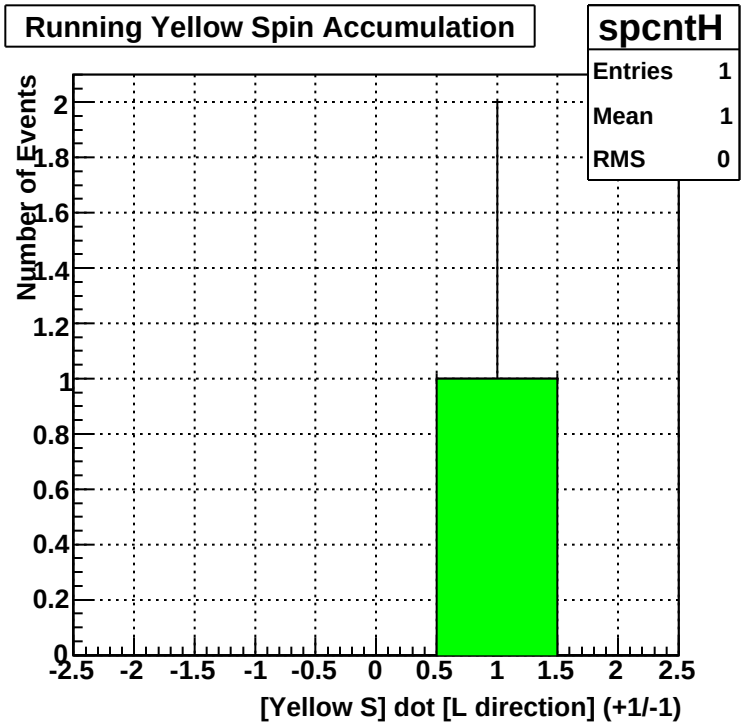
1) Rnum=7117050 EventN=3600804 (1 Yu-N[+])

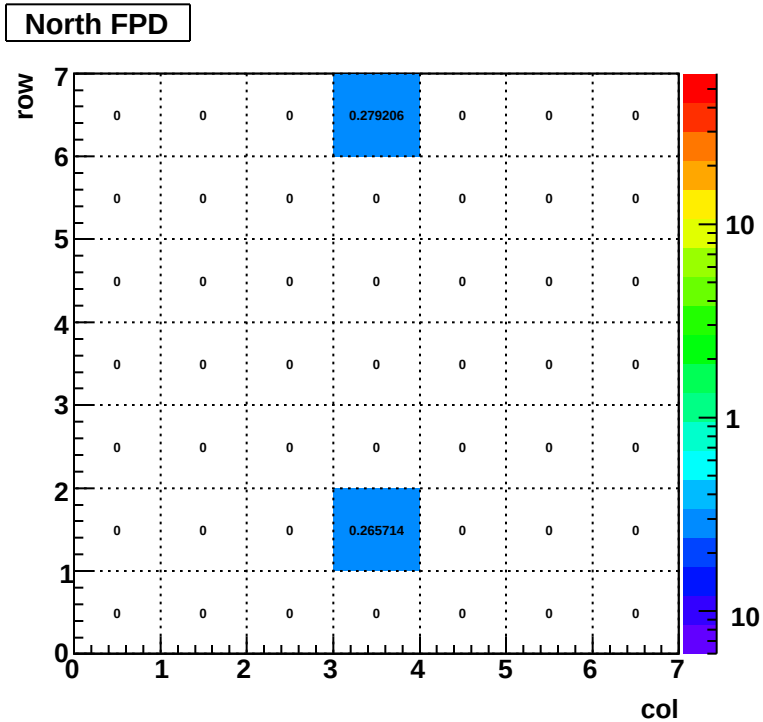
(1) Energy=48.681541 Y=-3.840682 Phi=0.032257

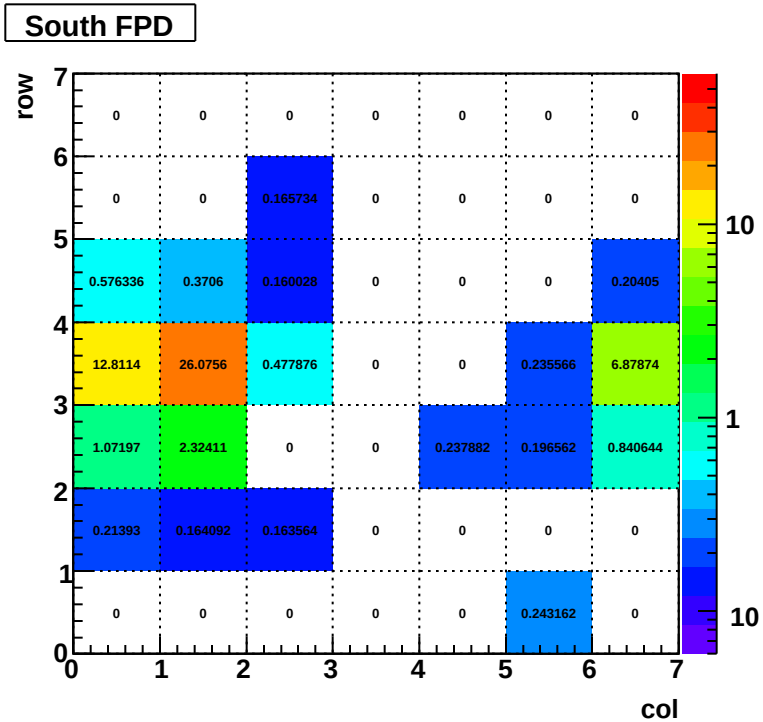
(2) Energy=8.566535 Y=-3.371268 Phi=0.016602

M12=0.526 Y12=-3.755 Phi12=0.029 E12=57.248

SumN(-) = 0 SumN(+)= 1 AN/.6=1.667







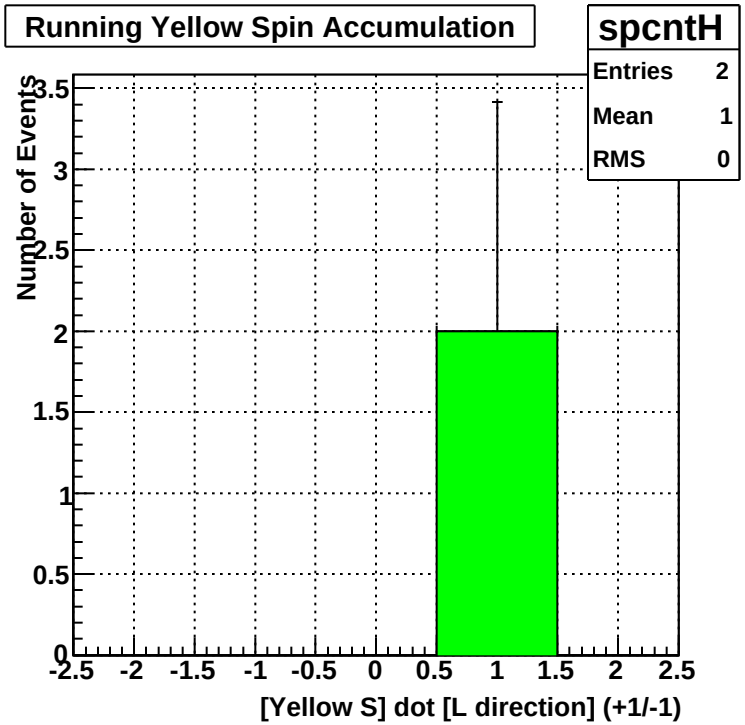
2) Rnum=7117050 EventN=4506139 (0 Yd-S[+])

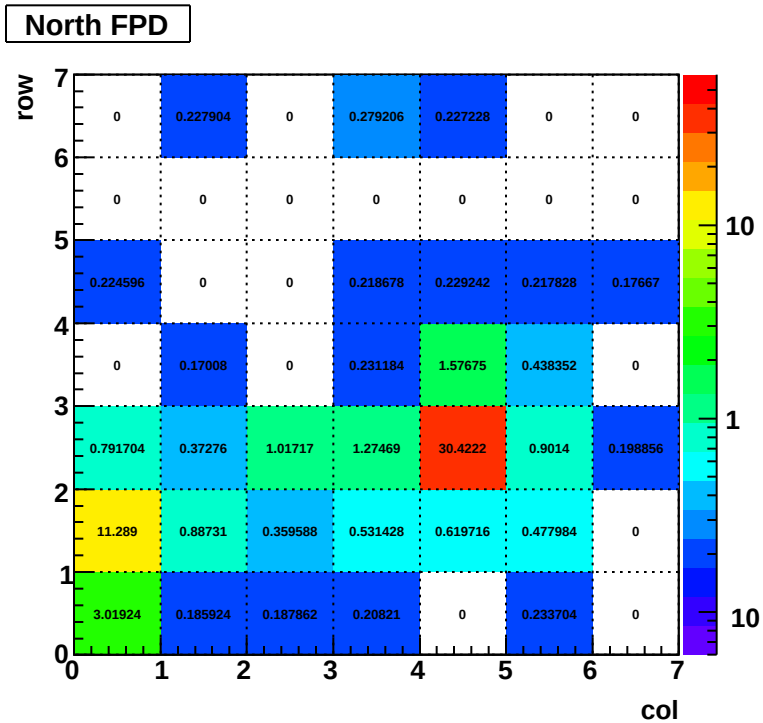
(1) Energy=37.775589 Y=-3.520769 Phi=3.056243

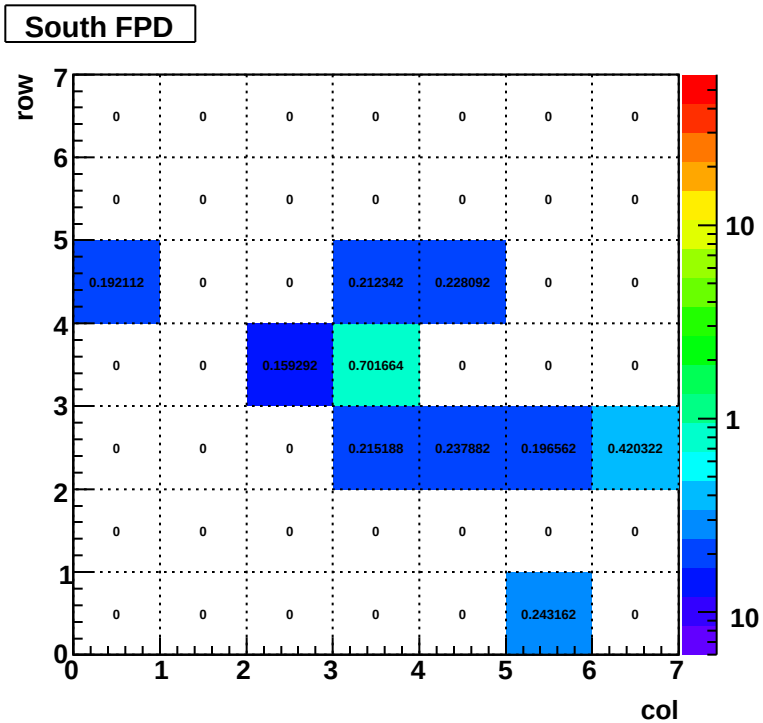
(2) Energy=17.283014 Y=-3.855571 Phi=2.859156

M12=0.498 Y12=-3.618 Phi12=3.008 E12=55.059

SumN(-) = 0 SumN(+)= 2 AN/.6=1.667







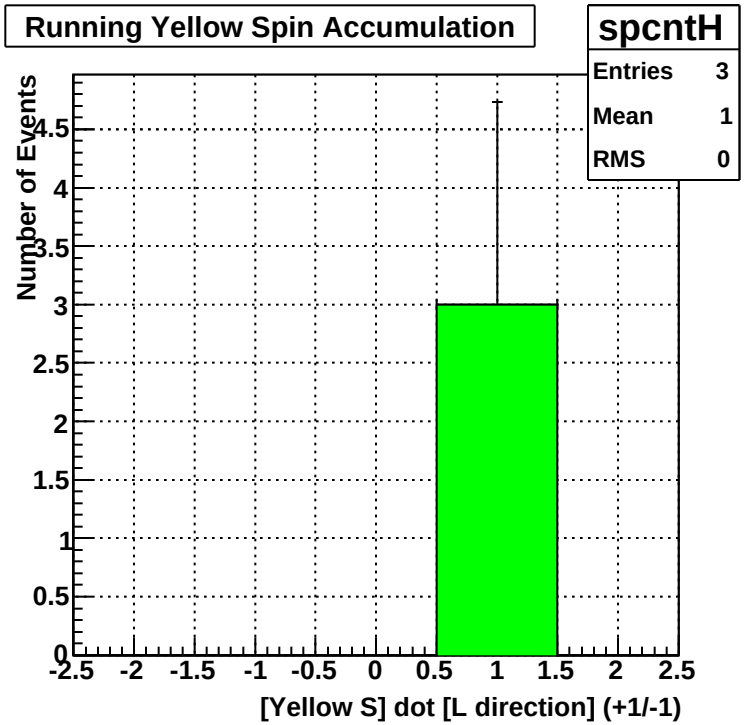
3) Rnum=7117050 EventN=5001277 (2 Yd-S[+])

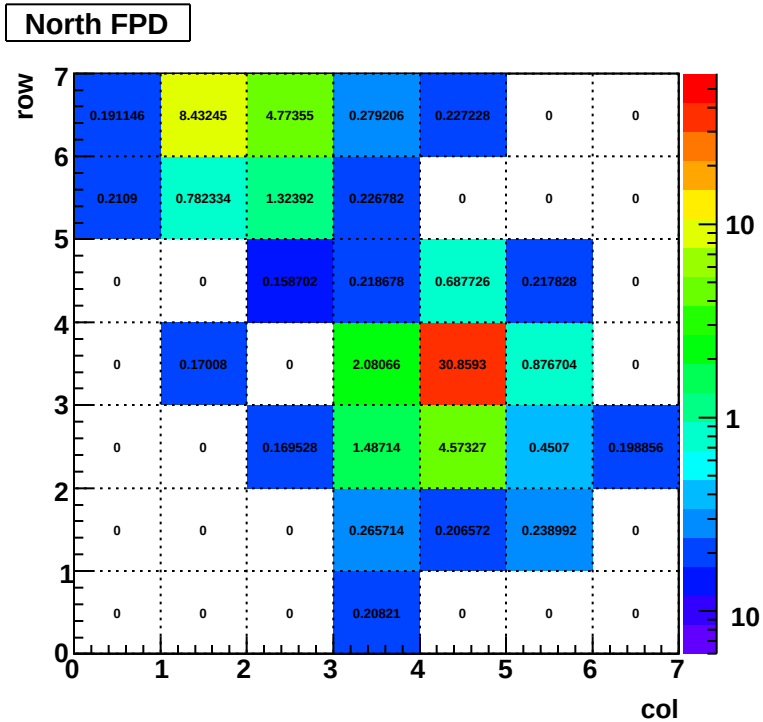
(1) Energy=41.852097 Y=-3.532219 Phi=3.107286

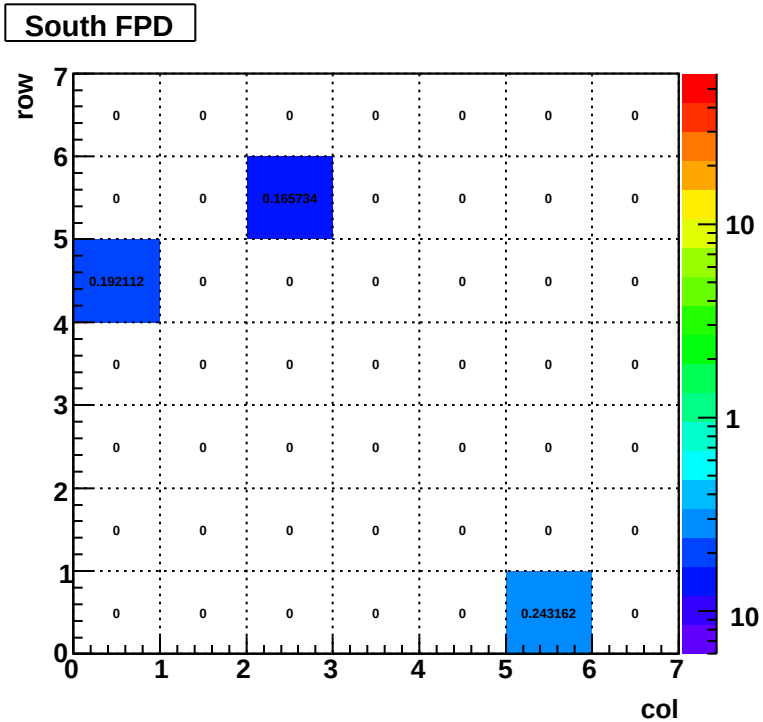
(2) Energy=16.394211 Y=-3.714294 Phi=-2.885134

M12=0.478 Y12=-3.588 Phi12=-3.105 E12=58.246

SumN(-) = 0 SumN(+)= 3 AN/.6=1.667







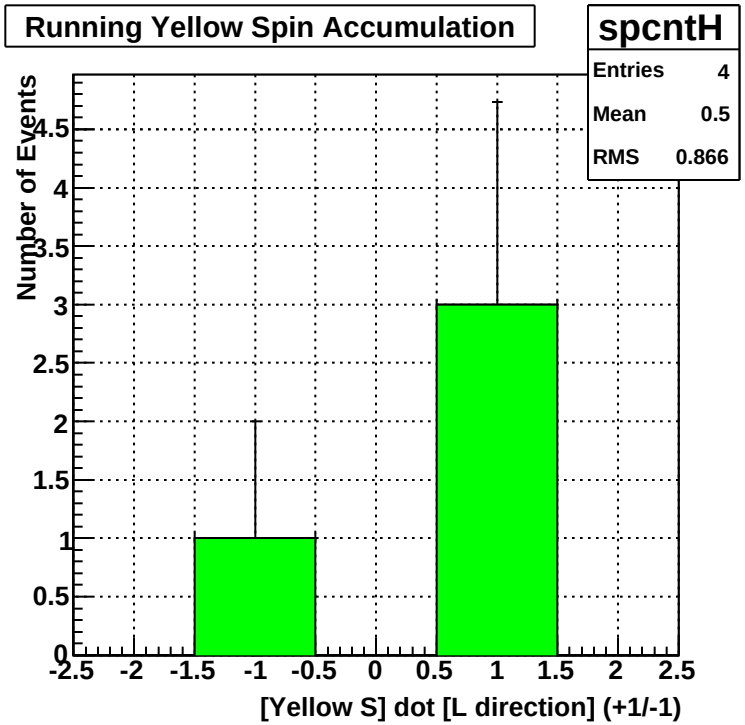
4) Rnum=7117050 EventN=5807199 (2 Yd-N[-])

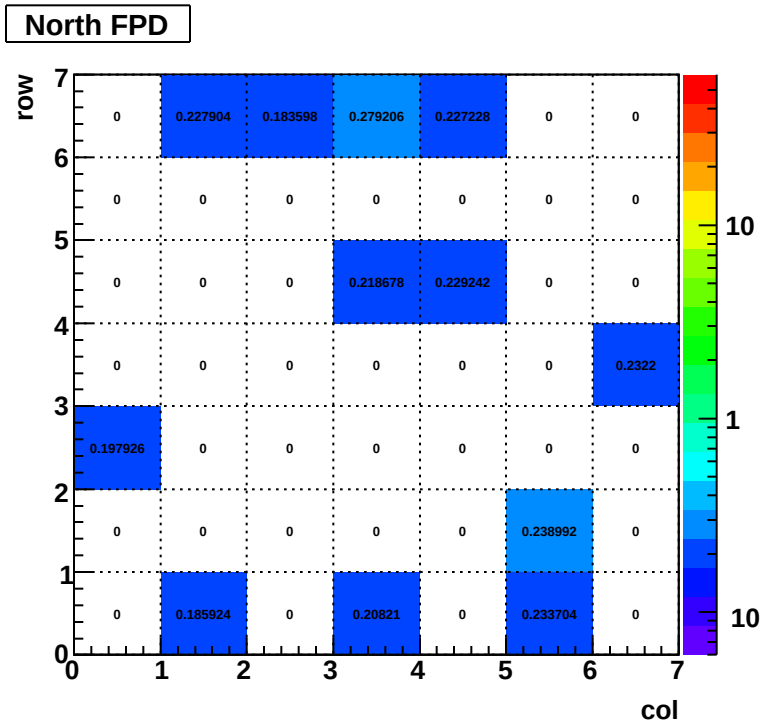
(1) Energy=47.131084 Y=-3.872430 Phi=0.011124

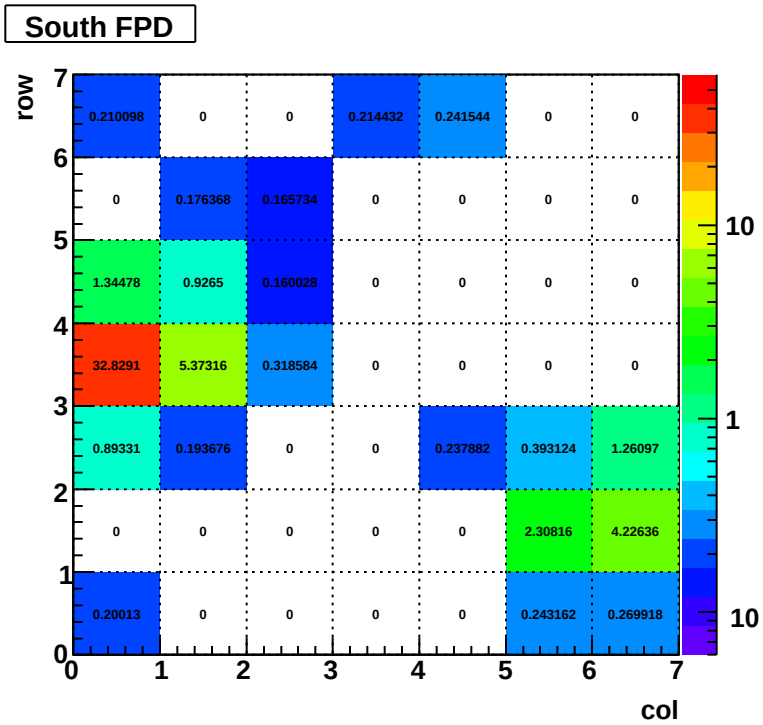
(2) Energy=9.647015 Y=-3.394291 Phi=0.133739

M12=0.561 Y12=-3.775 Phi12=0.042 E12=56.778

SumN(-) = 1 SumN(+)= 3 AN/.6=0.833







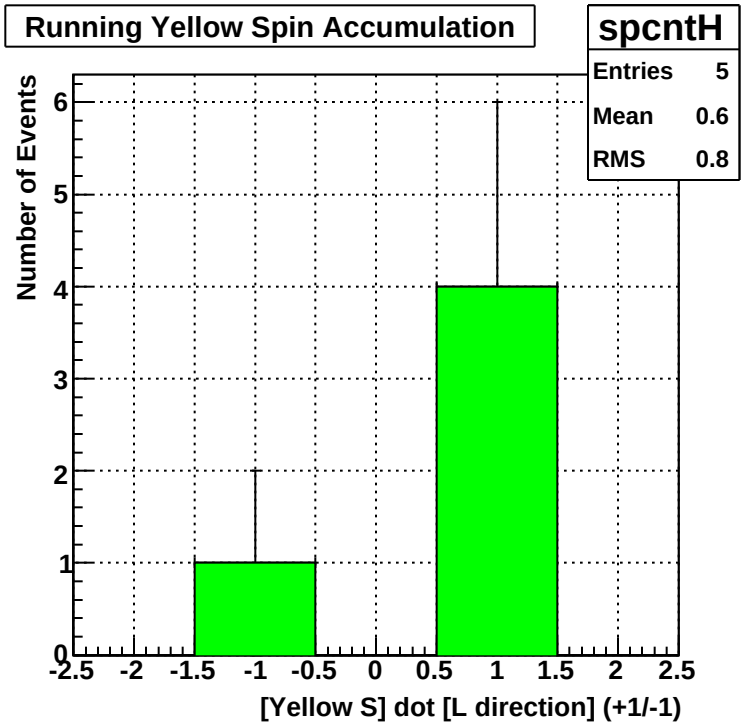
5) Rnum=7117050 EventN=6601178 (2 Yd-S[+])

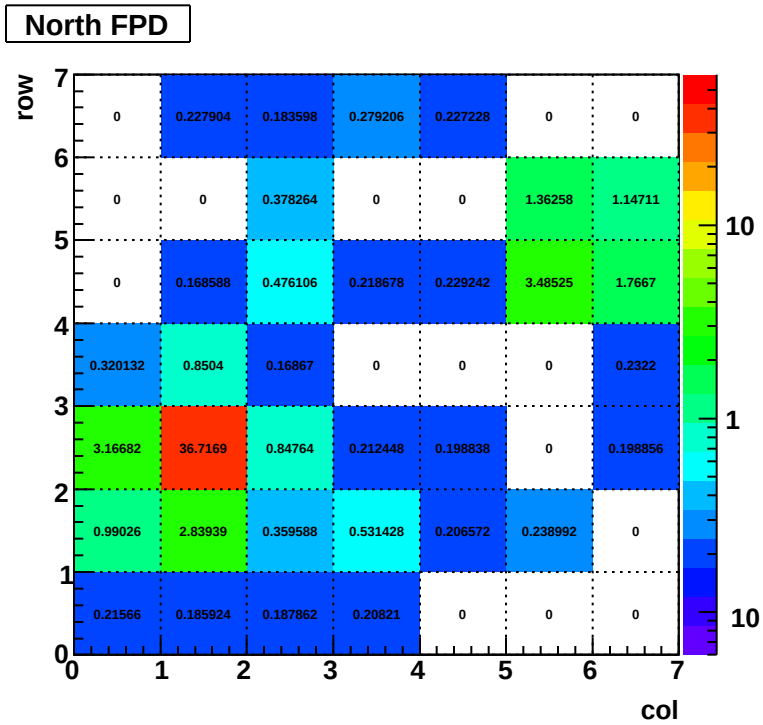
(1) Energy=48.358326 Y=-3.801434 Phi=3.003607

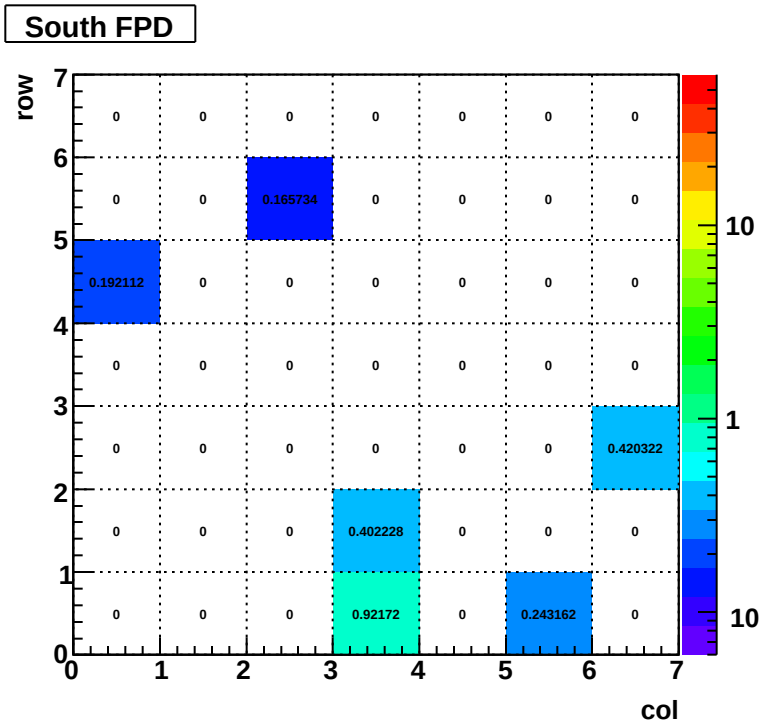
(2) Energy=8.171199 Y=-3.408665 Phi=-3.051702

M12=0.493 Y12=-3.738 Phi12=3.049 E12=56.530

SumN(-) = 1 SumN(+)= 4 AN/.6=1.000







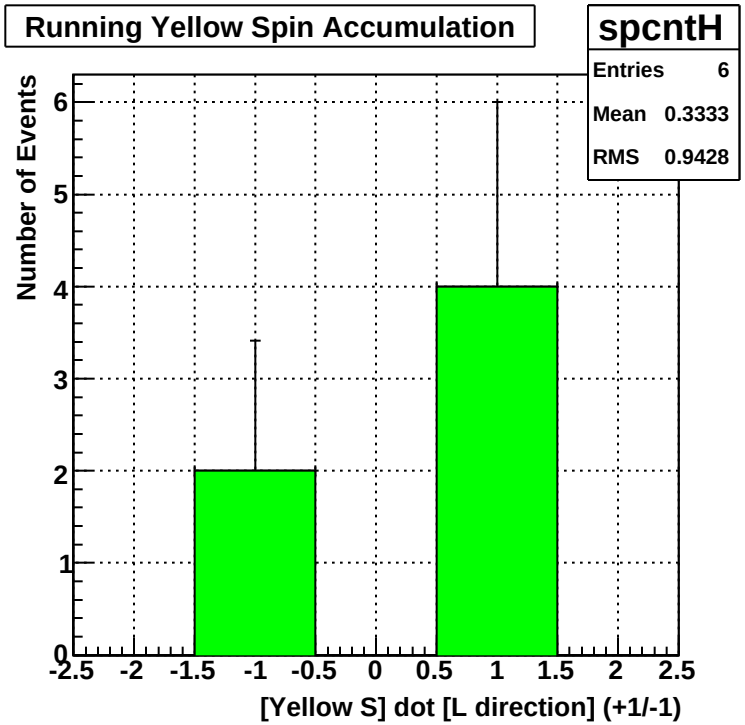
6) Rnum=7117050 EventN=1501679 (0 Yd-N[-])

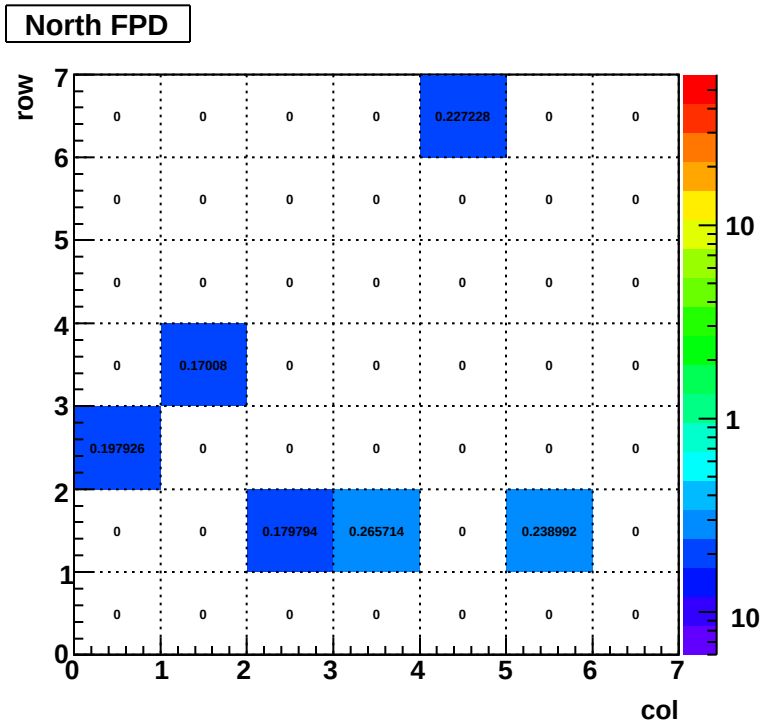
(1) Energy=31.655828 Y=-3.612964 Phi=-0.105582

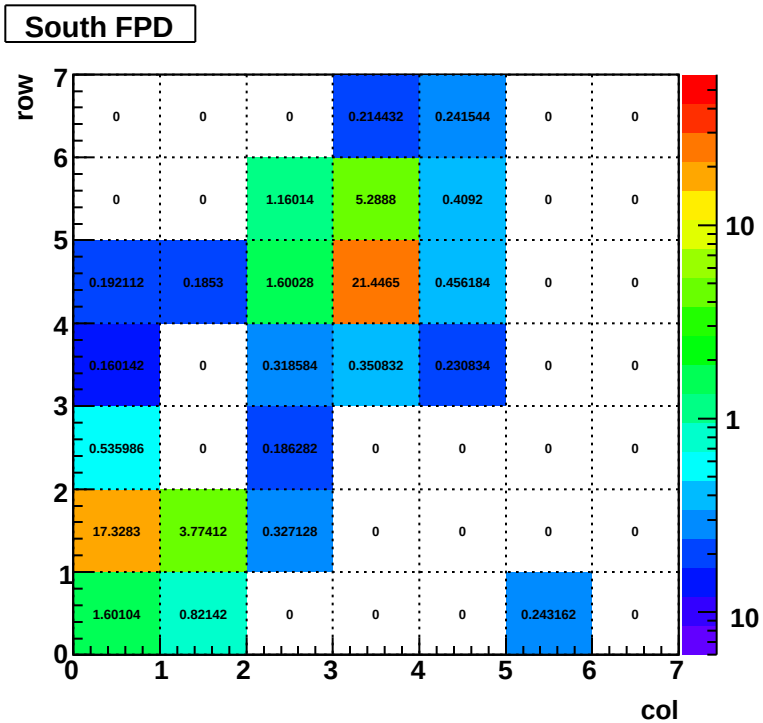
(2) Energy=26.240622 Y=-3.832843 Phi=0.256364

M12=0.588 Y12=-3.722 Phi12=0.039 E12=57.896

SumN(-) = 2 SumN(+)= 4 AN/.6=0.556







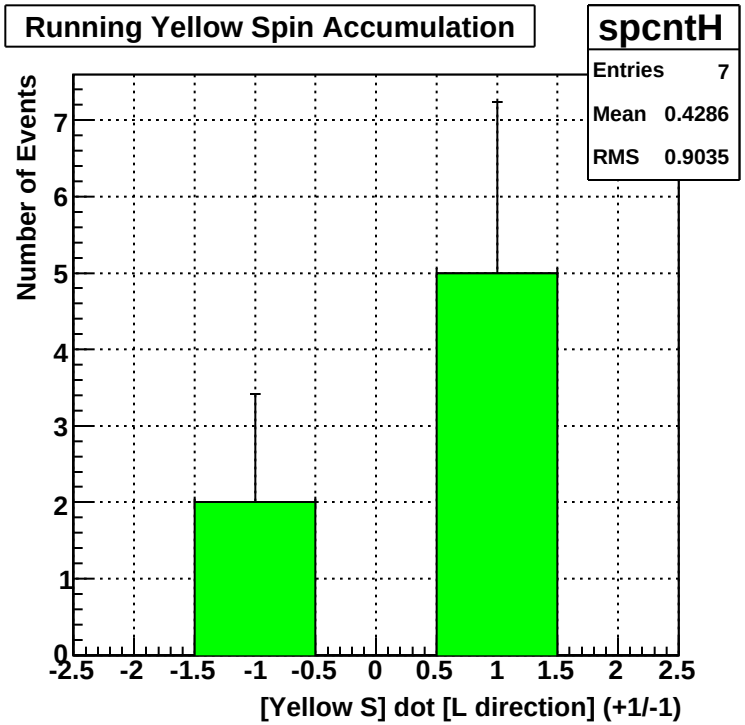
7) Rnum=7117051 EventN=503546 (1 Yu-N[+])

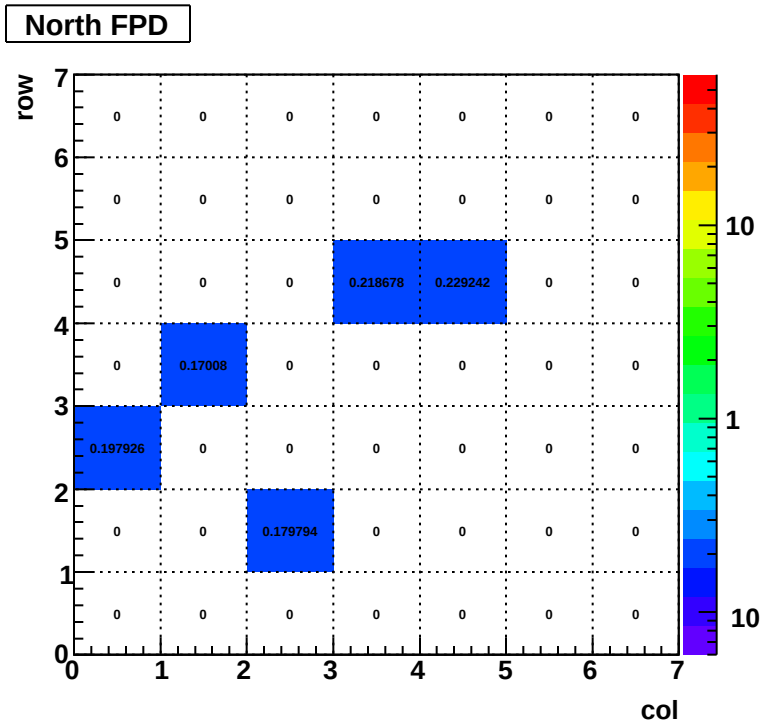
(1) Energy=29.321480 Y=-3.492464 Phi=-0.131714

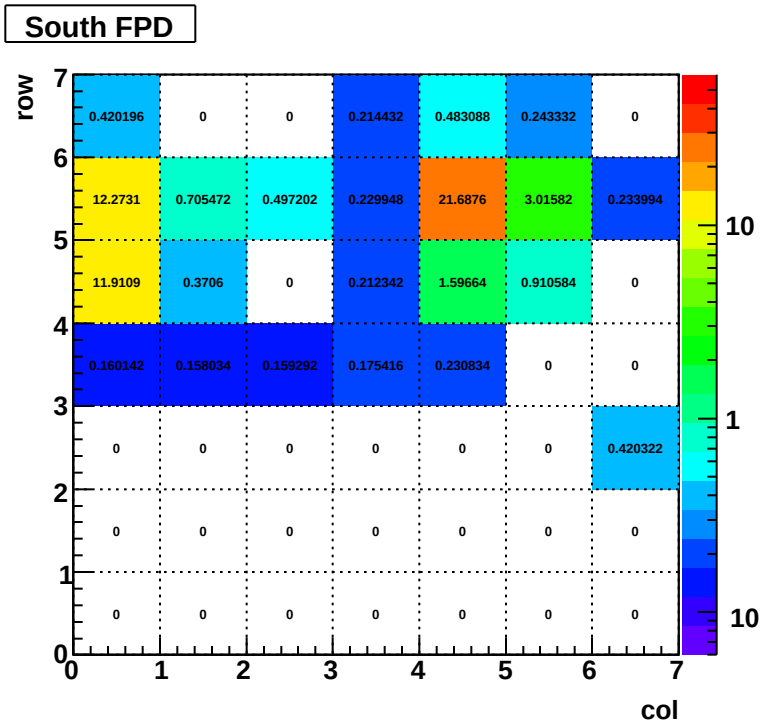
(2) Energy=29.022350 Y=-3.903878 Phi=-0.158784

M12=0.600 Y12=-3.676 Phi12=-0.142 E12=58.344

SumN(-) = 2 SumN(+)= 5 AN/.6=0.714







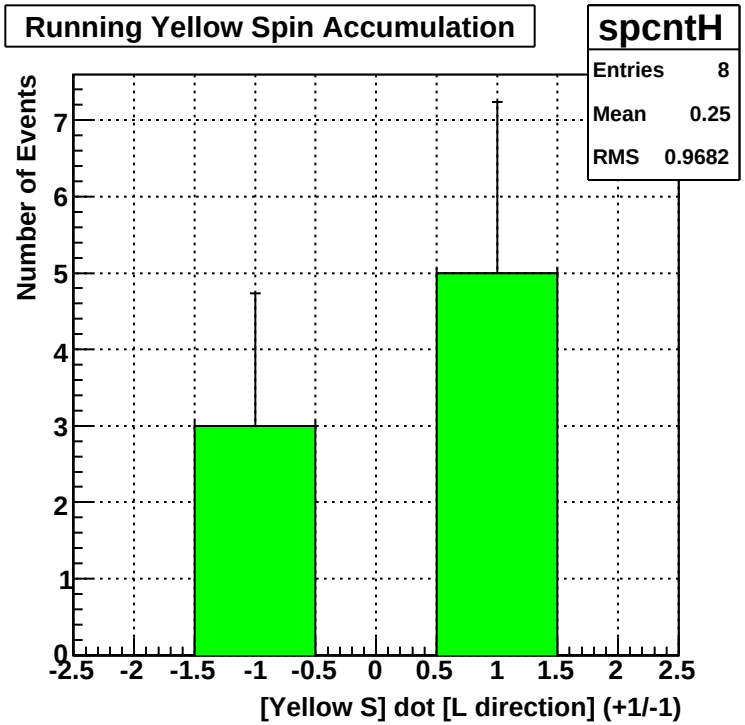
8) Rnum=7117051 EventN=603082 (0 Yd-N[-])

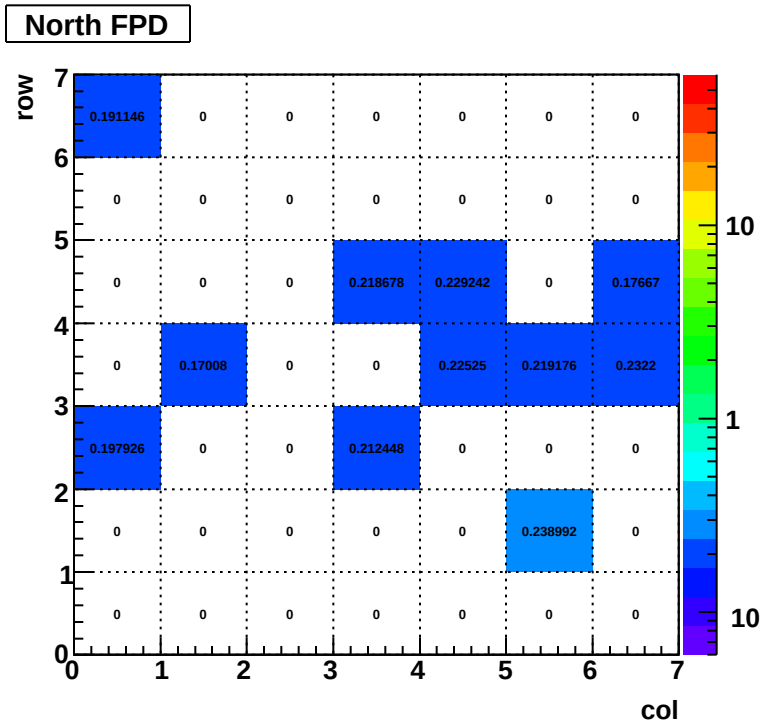
(1) Energy=35.000290 Y=-3.748060 Phi=-0.126357

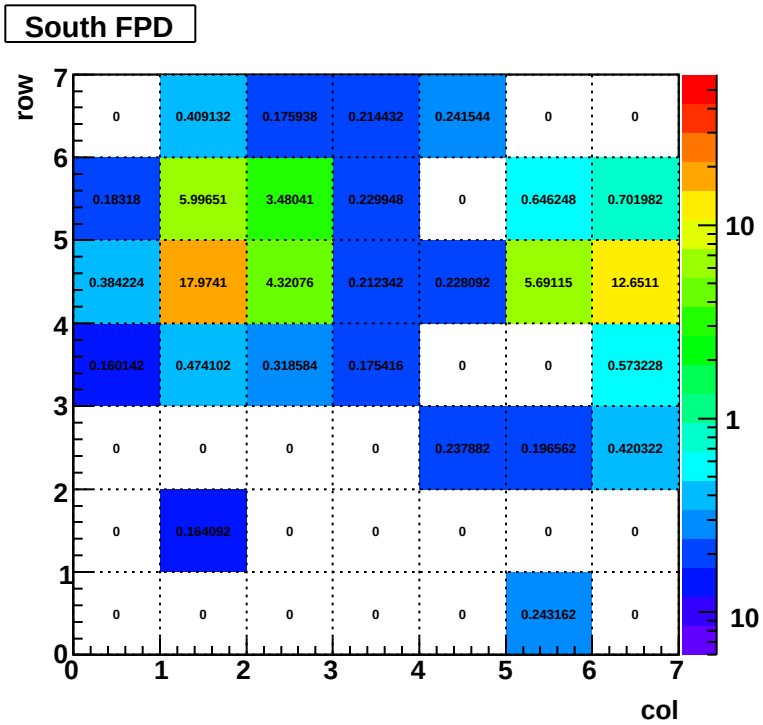
(2) Energy=22.409670 Y=-3.401730 Phi=-0.063647

M12=0.554 Y12=-3.599 Phi12=-0.097 E12=57.410

SumN(-) = 3 SumN(+)= 5 AN/.6=0.417







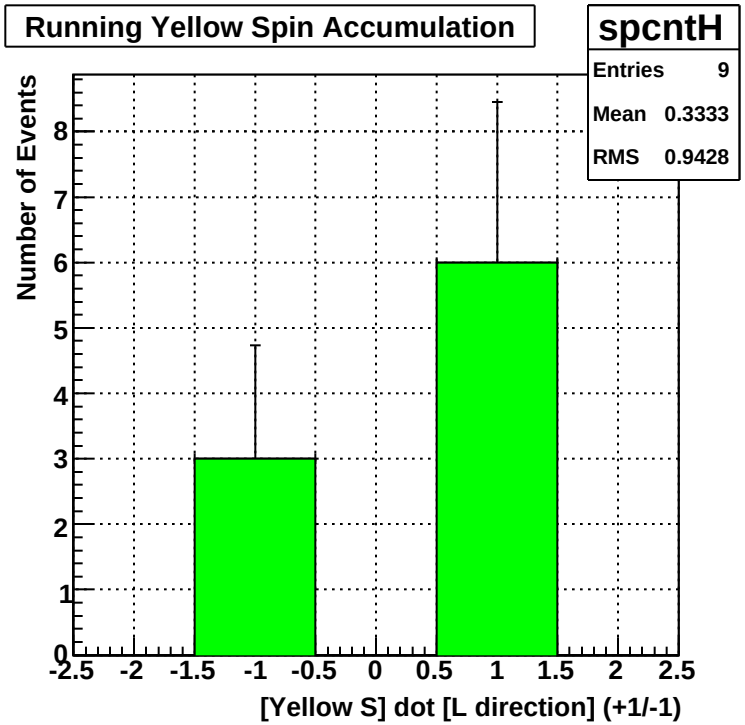
9) Rnum=7117056 EventN=2500058 (1 Yu-N[+])

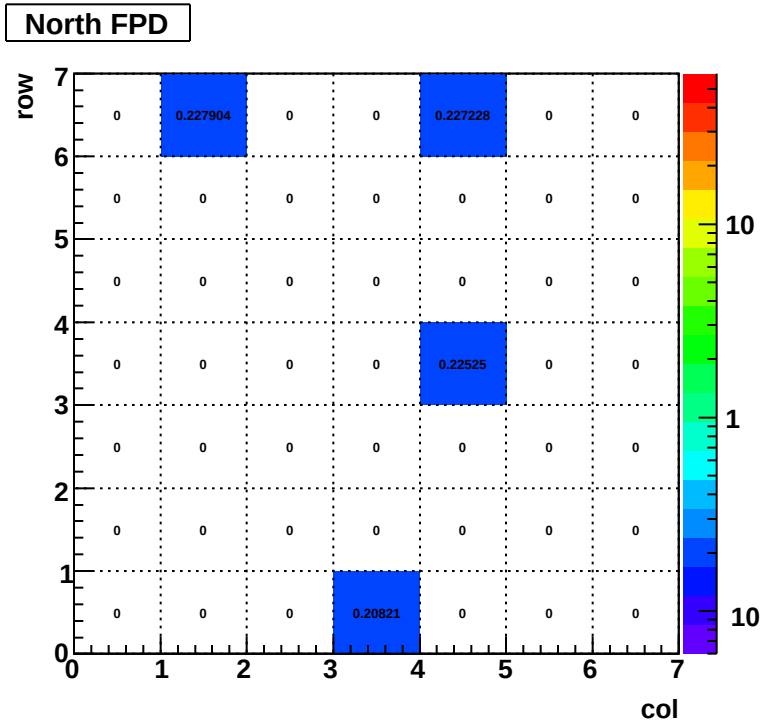
(1) Energy=45.450642 Y=-3.689115 Phi=0.211039

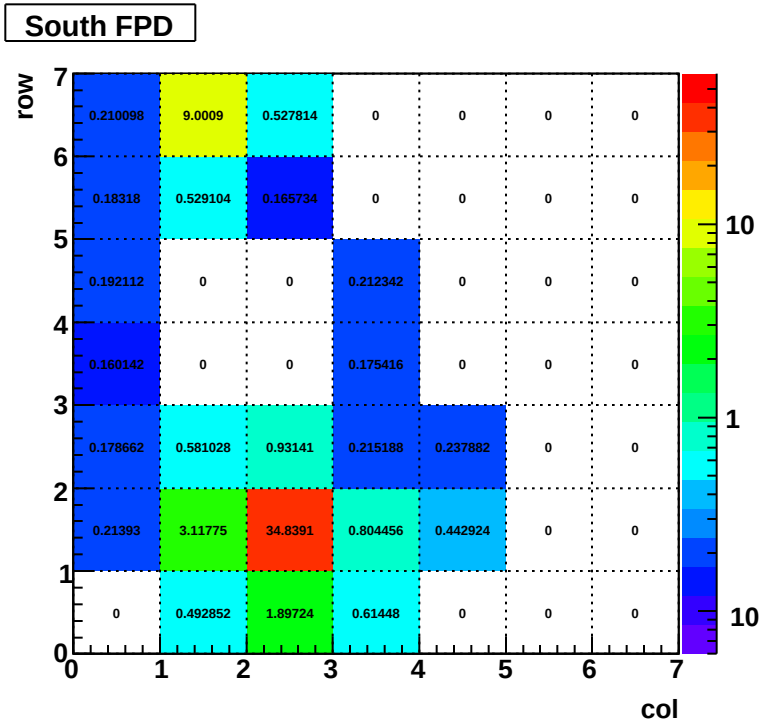
(2) Energy=11.610926 Y=-3.744619 Phi=-0.279362

M12=0.546 Y12=-3.719 Phi12=0.117 E12=57.062

SumN(-) = 3 SumN(+)= 6 AN/.6=0.556







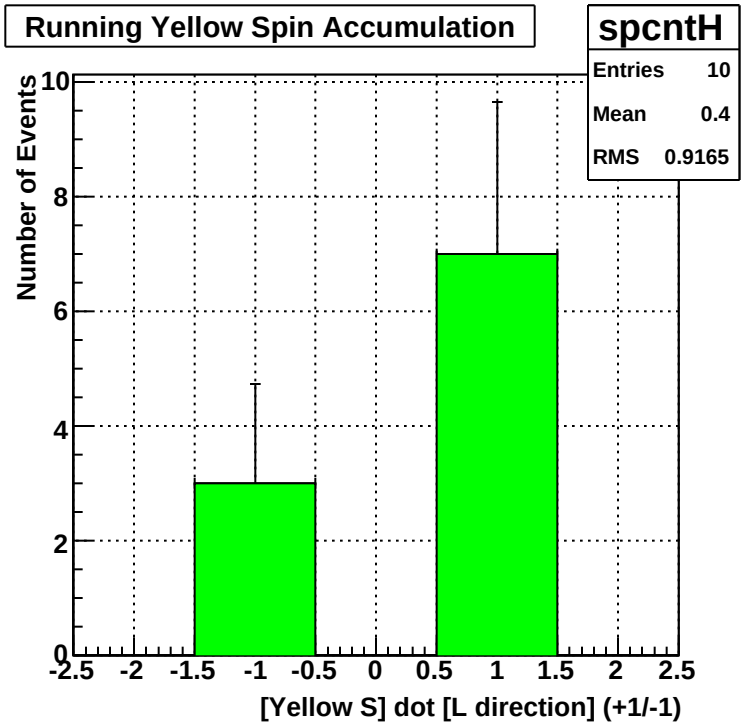
10) Rnum=7117057 EventN=303509 (3 Yu-N[+])

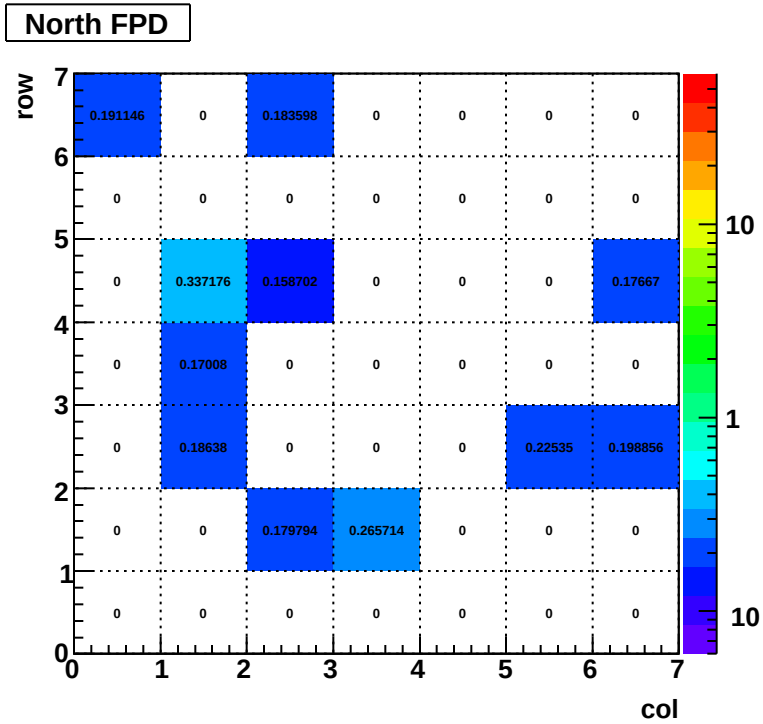
(1) Energy=27.363186 Y=-3.740800 Phi=0.224579

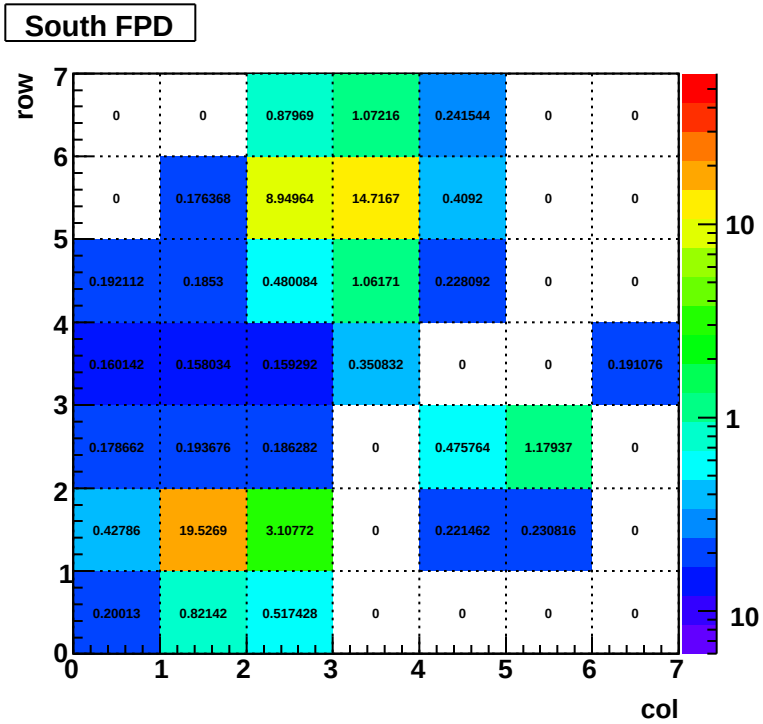
(2) Energy=28.459003 Y=-3.631017 Phi=-0.170872

M12=0.570 Y12=-3.703 Phi12=0.012 E12=55.822

SumN(-) = 3 SumN(+)= 7 AN/.6=0.667







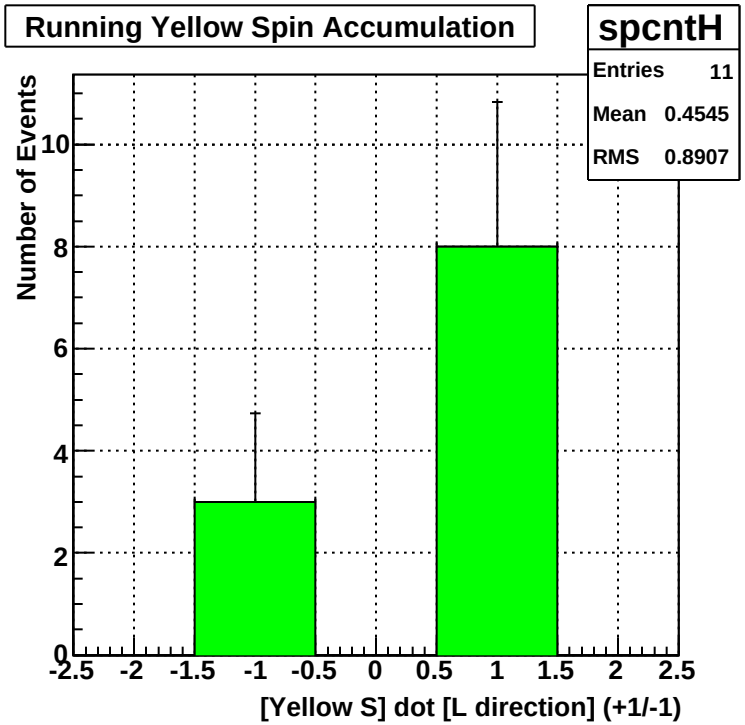
11) Rnum=7117058 EventN=3004976 (2 Yd-S[+])

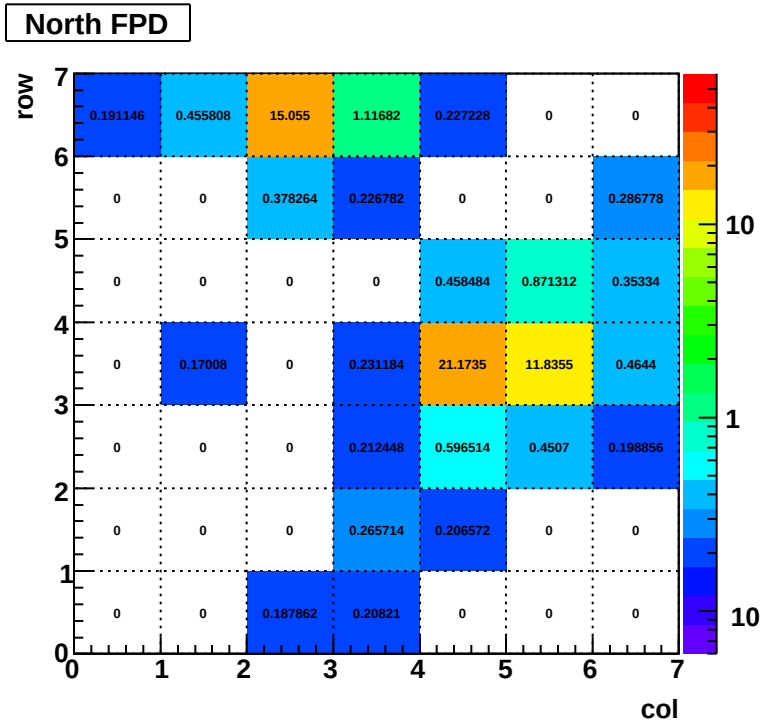
(1) Energy=37.460281 Y=-3.486226 Phi=3.131071

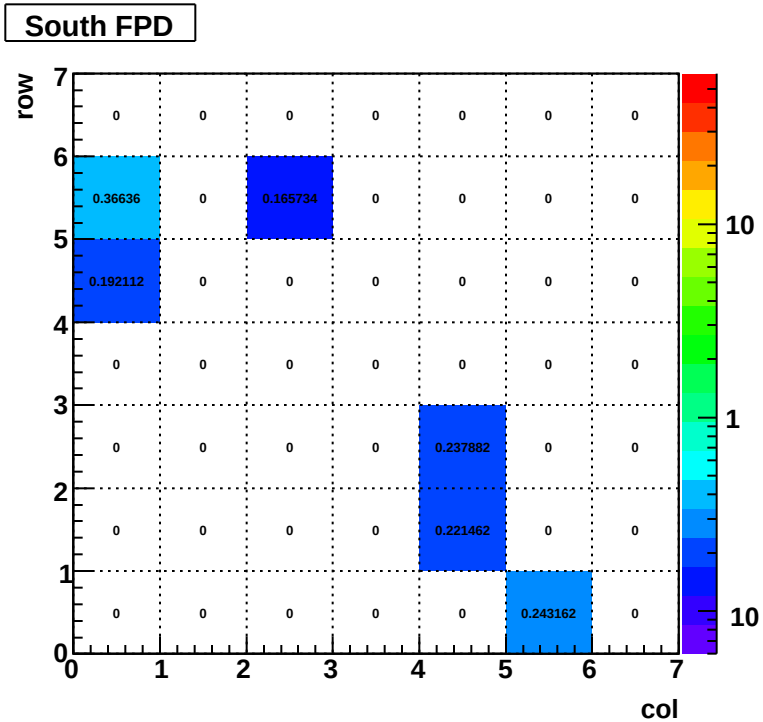
(2) Energy=20.034510 Y=-3.645768 Phi=-2.866156

M12=0.505 Y12=-3.548 Phi12=-3.063 E12=57.495

SumN(-) = 3 SumN(+)= 8 AN/.6=0.758







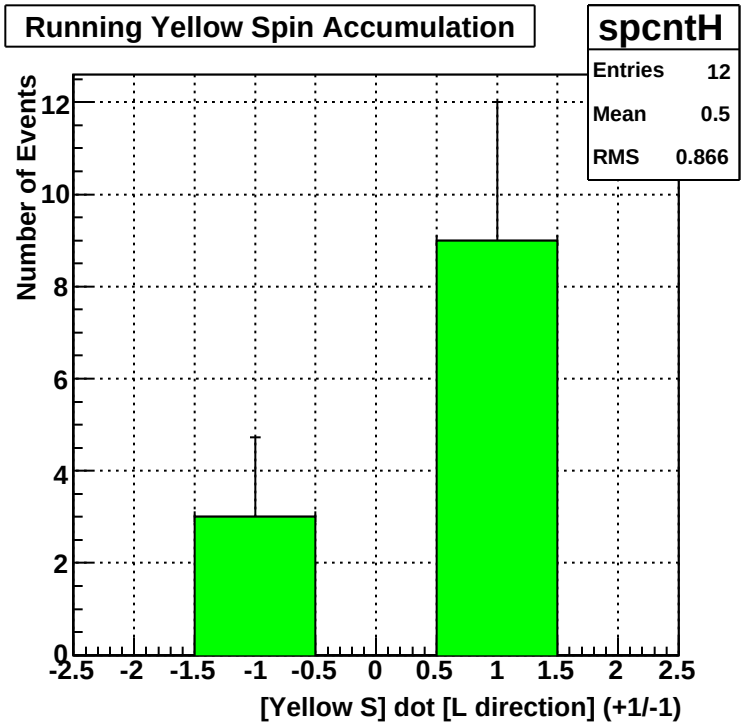
12) Rnum=7117058 EventN=4503277 (3 Yu-N[+])

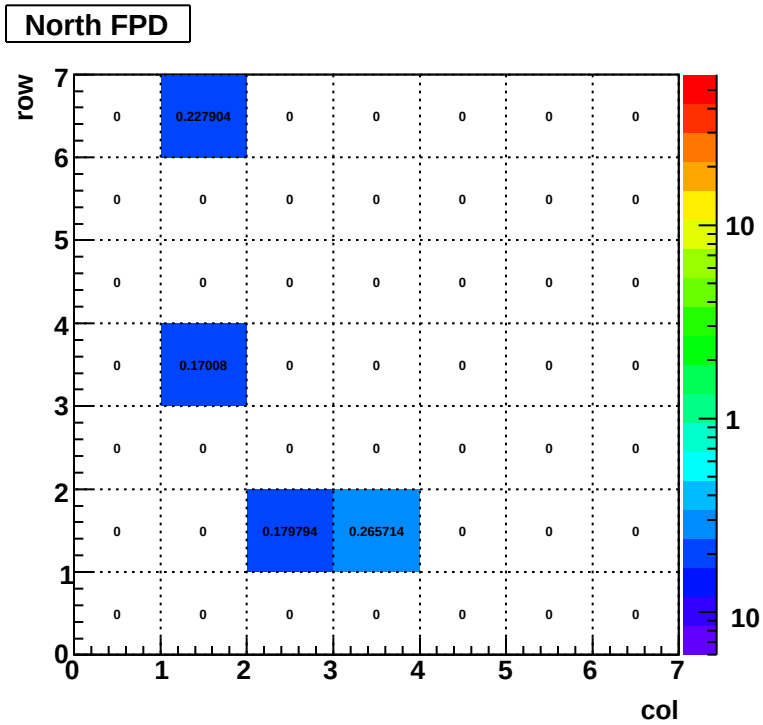
(1) Energy=43.907921 Y=-3.789318 Phi=-0.090162

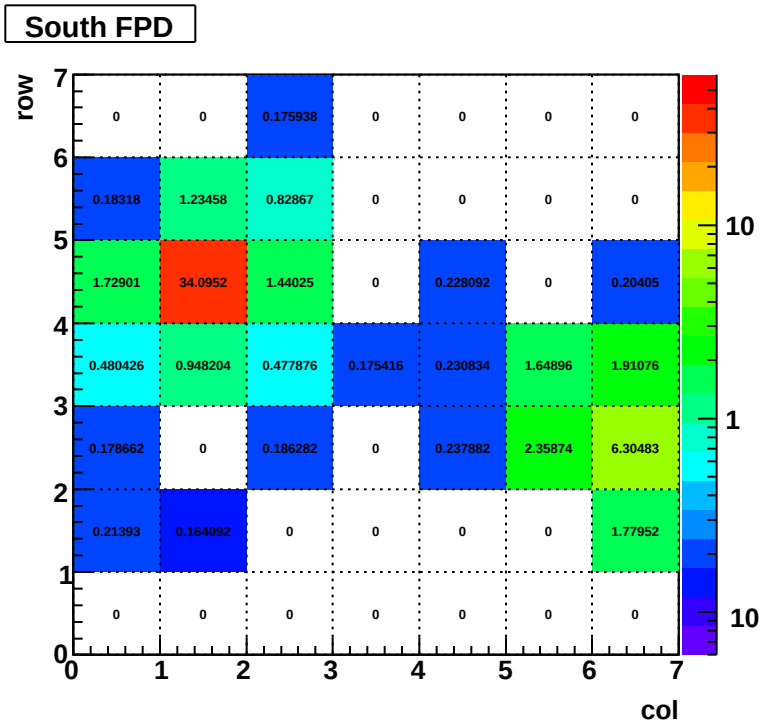
(2) Energy=12.975361 Y=-3.402627 Phi=0.052726

M12=0.542 Y12=-3.689 Phi12=-0.047 E12=56.883

SumN(-) = 3 SumN(+)= 9 AN/.6=0.833







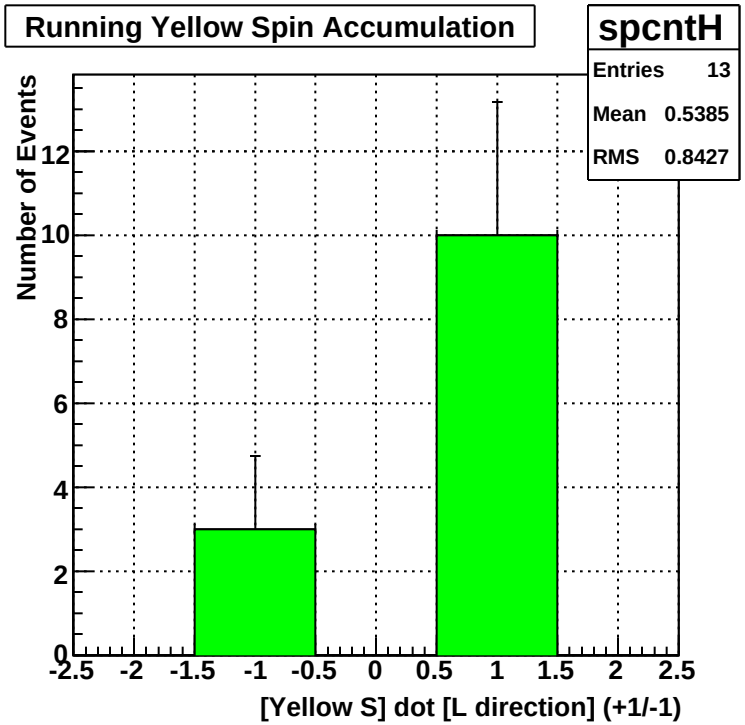
13) Rnum=7117058 EventN=7906834 (1 Yu-N[+])

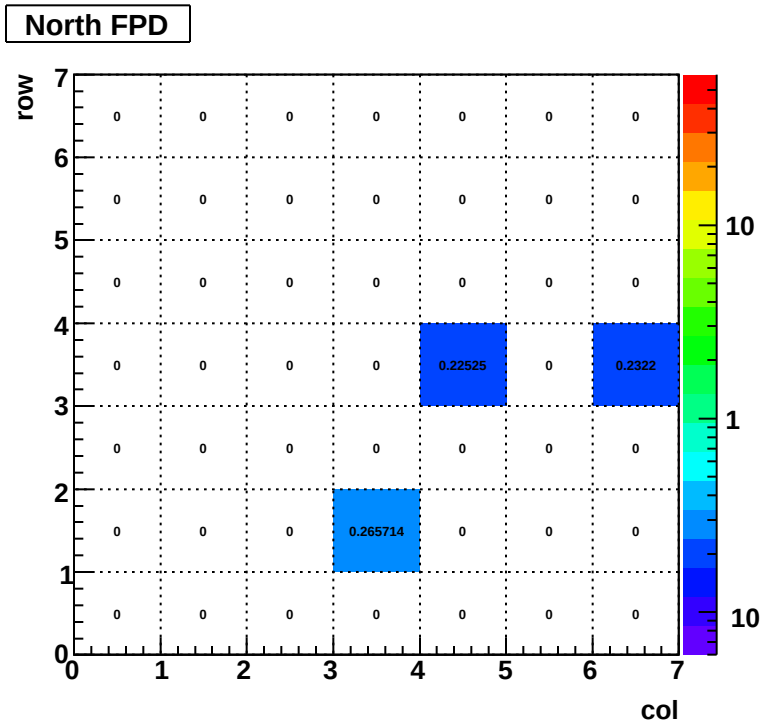
(1) Energy=24.429588 Y=-3.663549 Phi=-0.092350

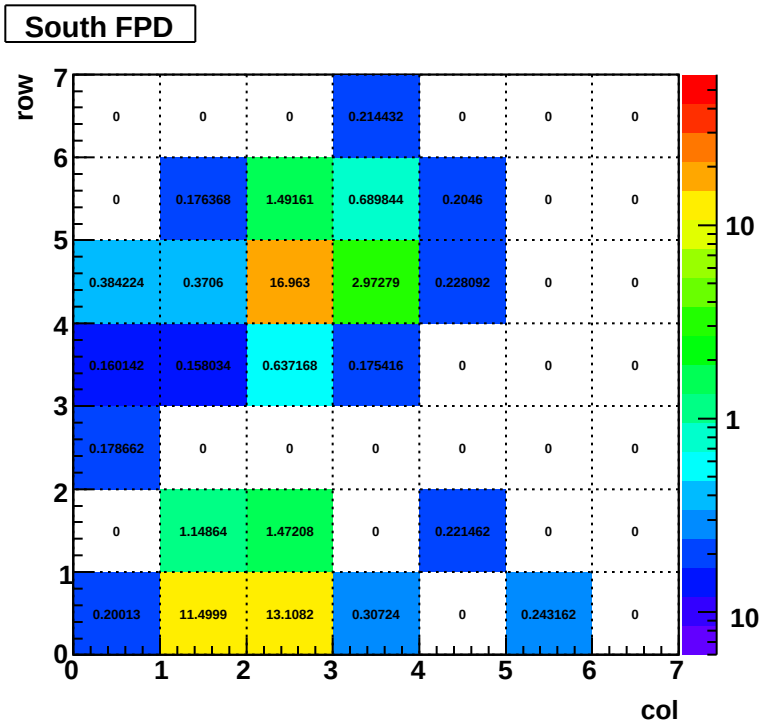
(2) Energy=31.477007 Y=-3.700155 Phi=0.289605

M12=0.532 Y12=-3.702 Phi12=0.120 E12=55.907

SumN(-) = 3 SumN(+)= 10 AN/.6=0.897







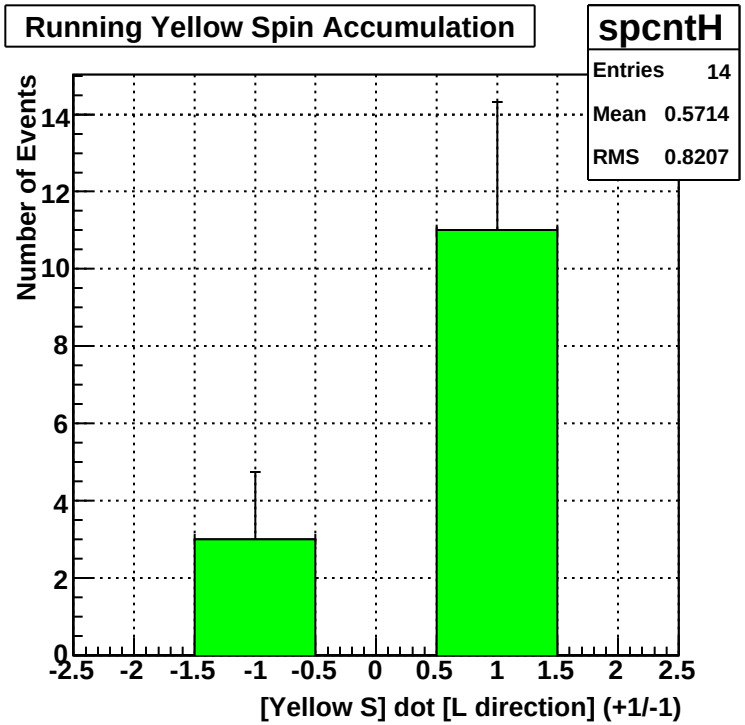
14) Rnum=7117063 EventN=3302455 (0 Yd-S[+])

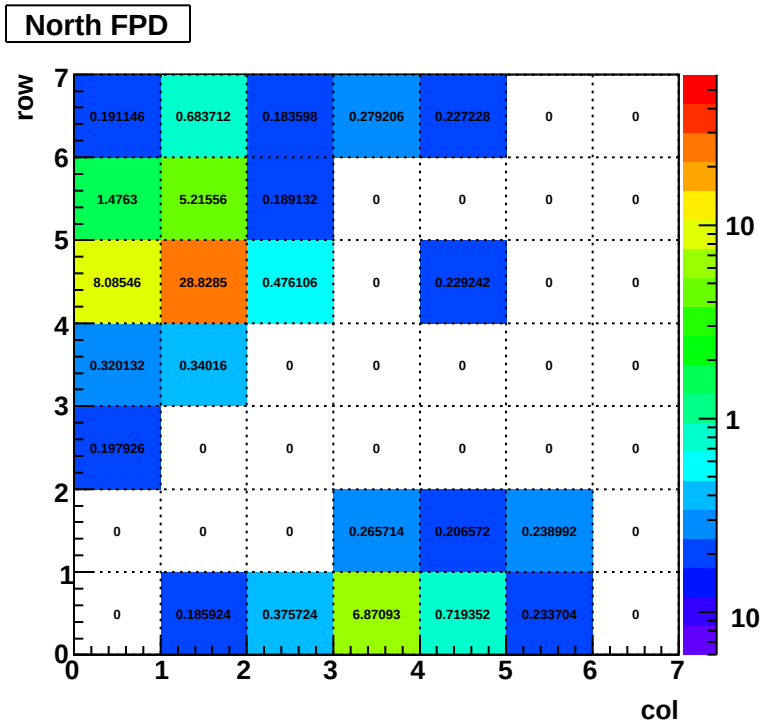
(1) Energy=47.256325 Y=-3.825021 Phi=-3.019838

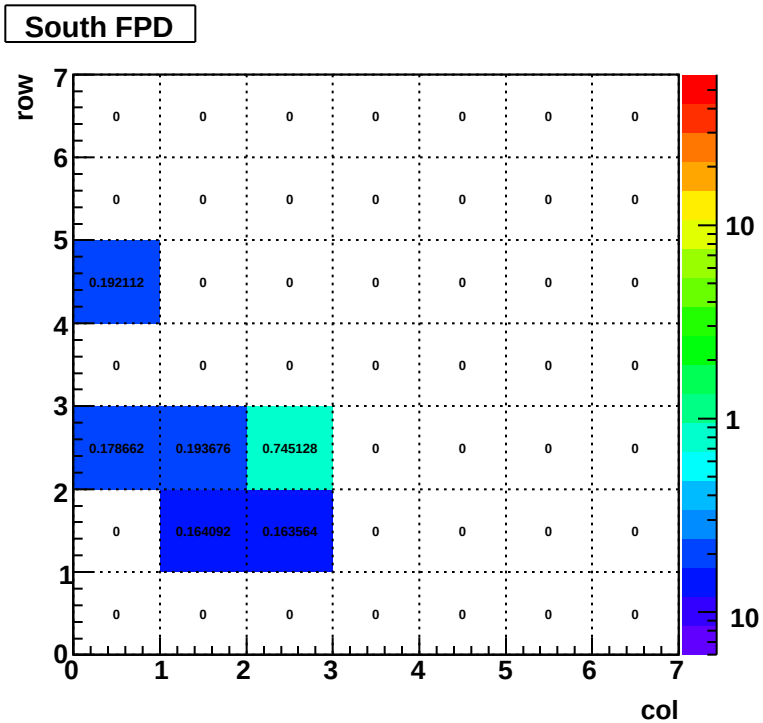
(2) Energy=9.022385 Y=-3.552098 Phi=2.876820

M12=0.487 Y12=-3.788 Phi12=-3.096 E12=56.279

SumN(-) = 3 SumN(+)= 11 AN/.6=0.952







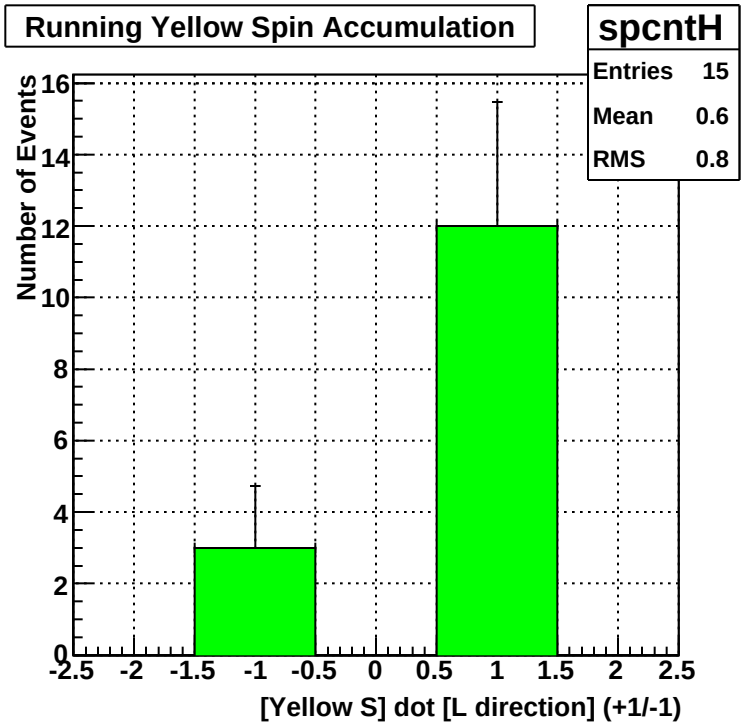
15) Rnum=7117064 EventN=3108987 (1 Yu-N[+])

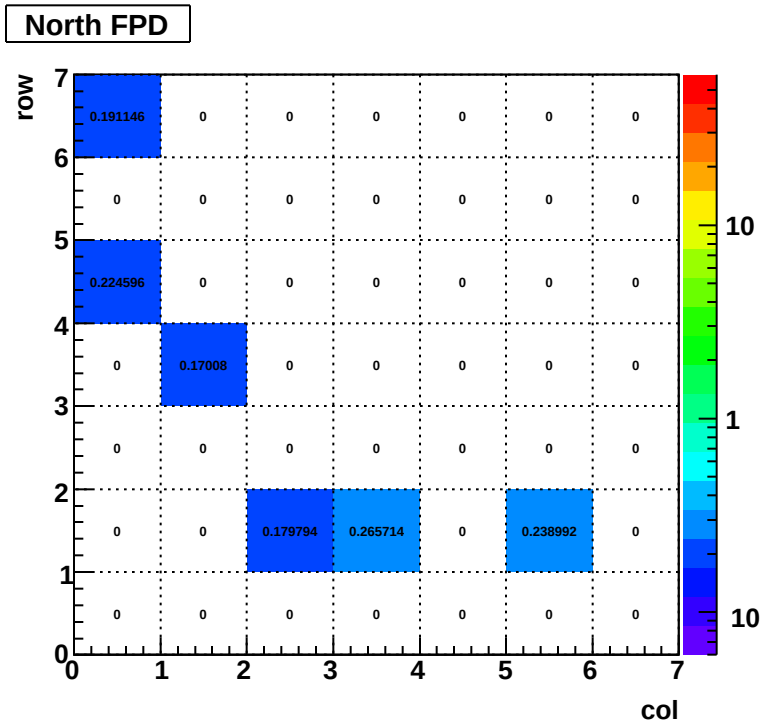
(1) Energy=36.391472 Y=-3.636586 Phi=-0.168907

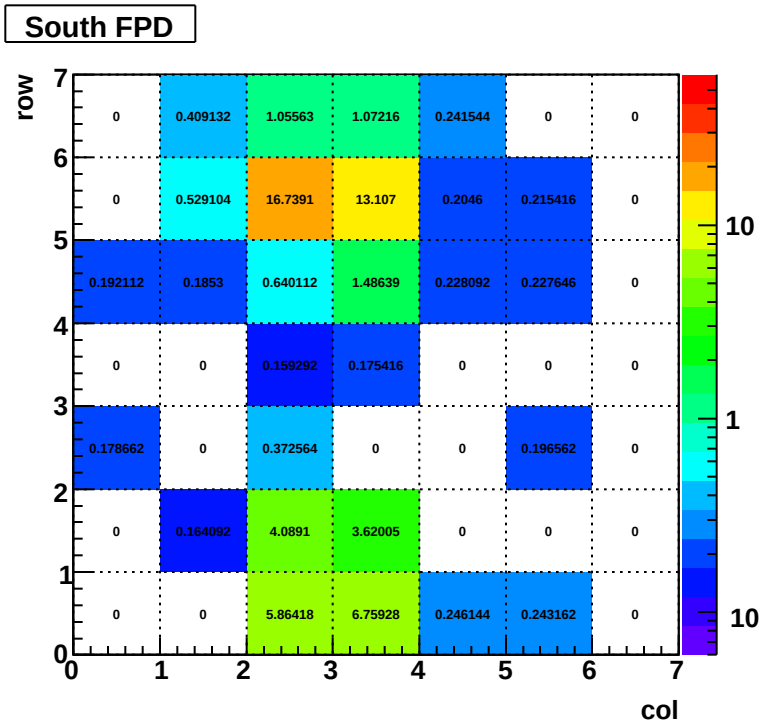
(2) Energy=21.213192 Y=-3.620695 Phi=0.238632

M12=0.597 Y12=-3.650 Phi12=-0.018 E12=57.605

SumN(-) = 3 SumN(+)= 12 AN/.6=1.000







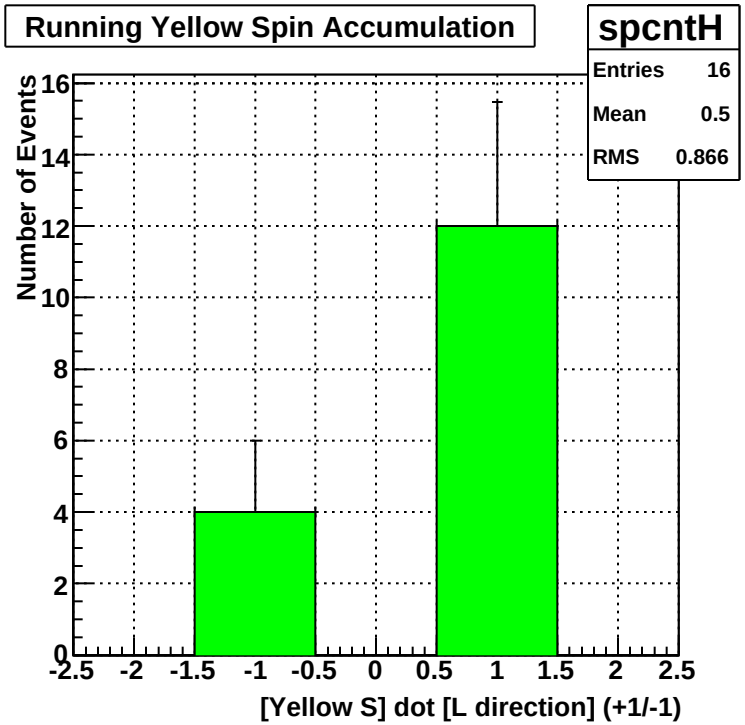
16) Rnum=7117064 EventN=203636 (3 Yu-S[-])

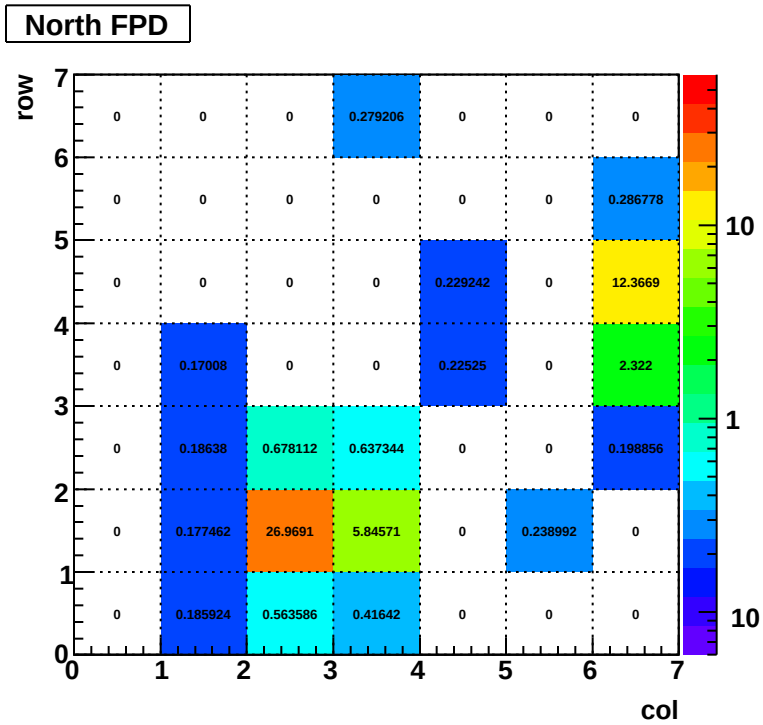
(1) Energy=38.147270 Y=-3.647579 Phi=2.947886

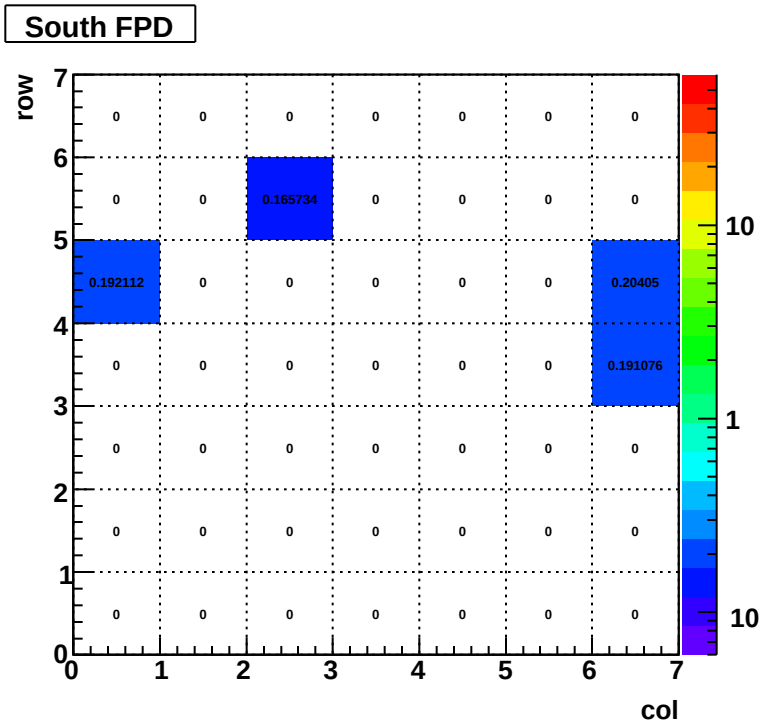
(2) Energy=17.702393 Y=-3.373701 Phi=-3.105049

M12=0.555 Y12=-3.559 Phi12=3.035 E12=55.850

SumN(-) = 4 SumN(+)= 12 AN/.6=0.833







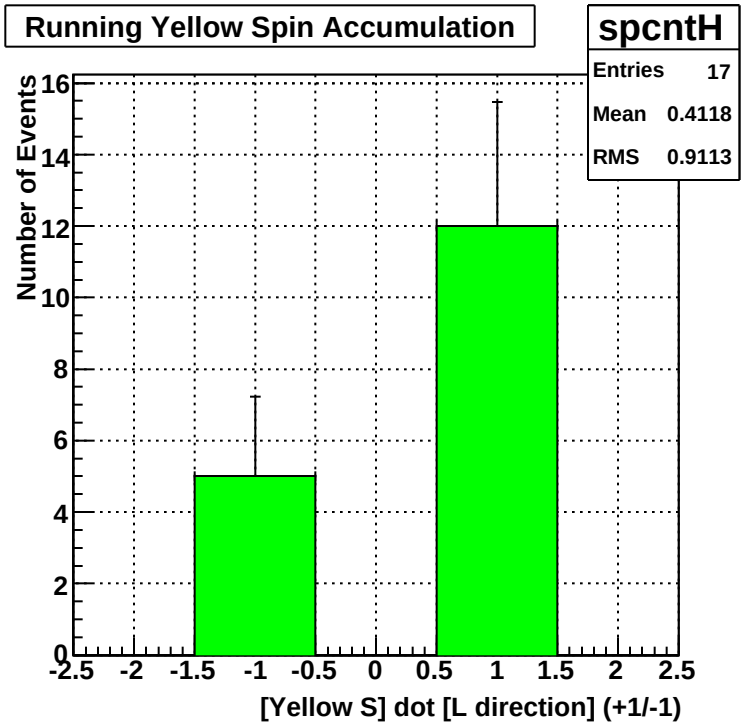
17) Rnum=7117064 EventN=1900938 (0 Yd-N[-])

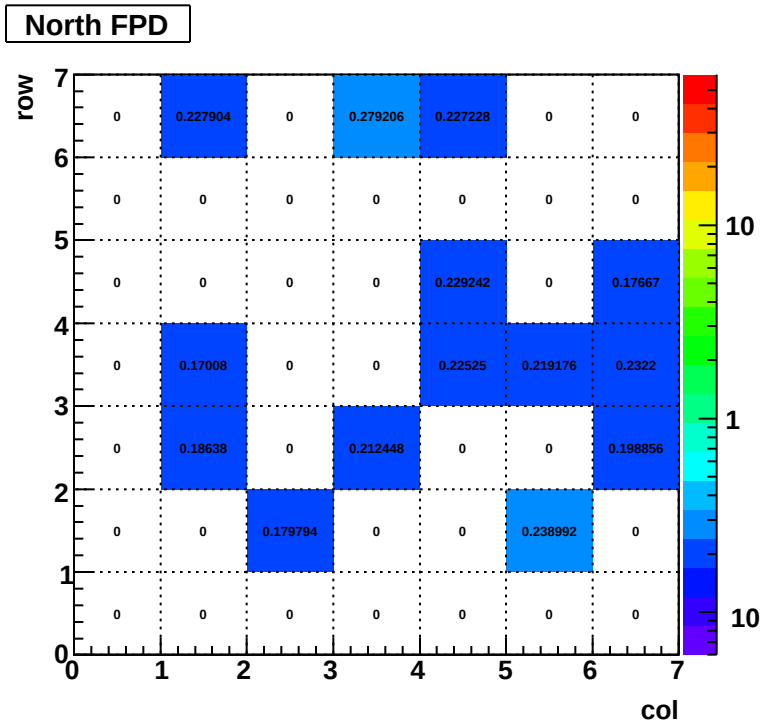
(1) Energy=34.476604 Y=-3.514030 Phi=-0.120811

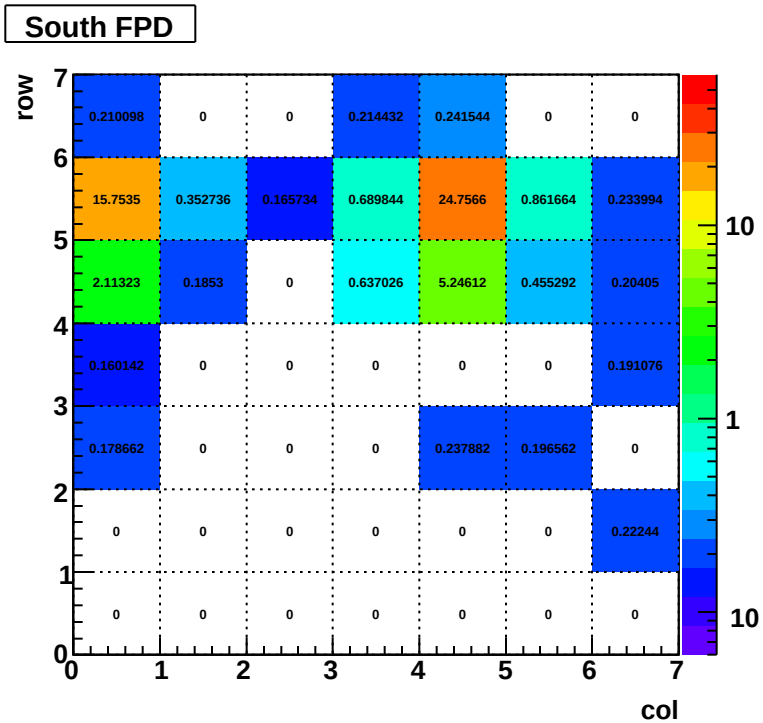
(2) Energy=21.725229 Y=-3.907466 Phi=-0.190025

M12=0.538 Y12=-3.649 Phi12=-0.141 E12=56.202

SumN(-) = 5 SumN(+)= 12 AN/.6=0.686







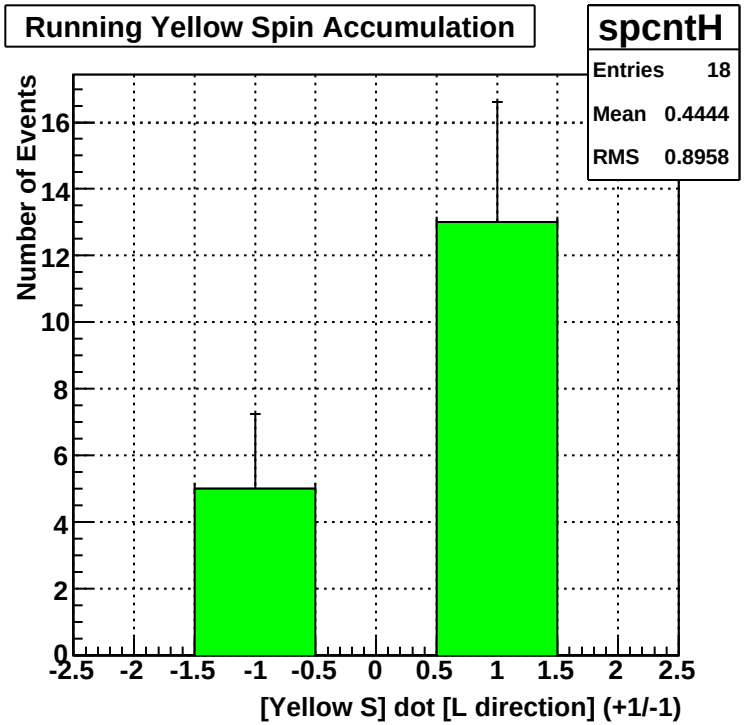
18) Rnum=7117064 EventN=2100733 (1 Yu-N[+])

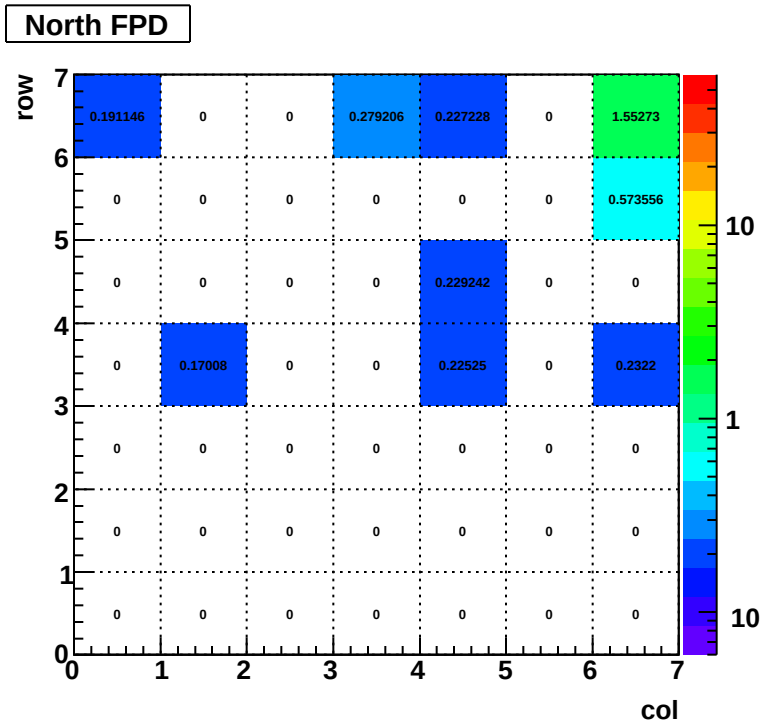
(1) Energy=39.671173 Y=-3.661860 Phi=-0.173439

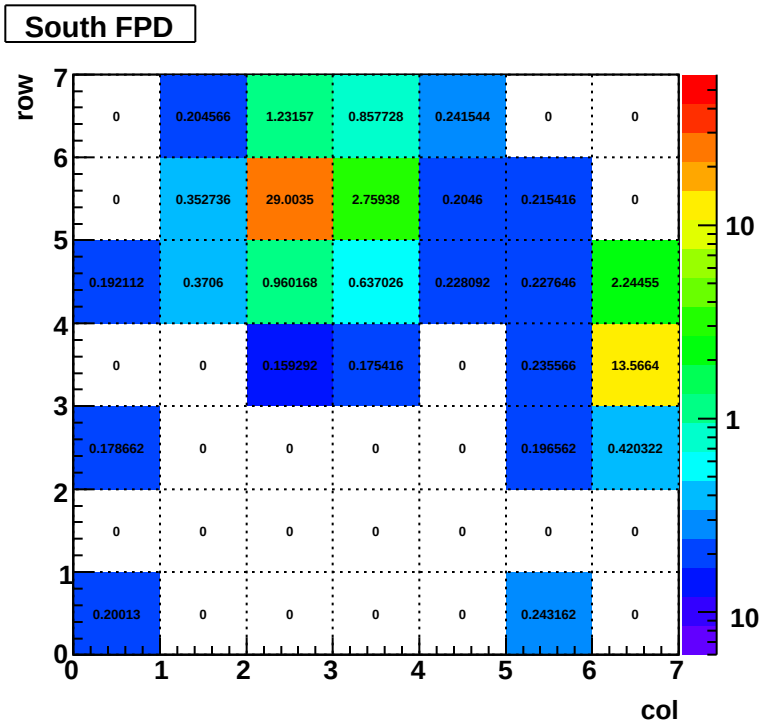
(2) Energy=19.546944 Y=-3.357790 Phi=-0.010669

M12=0.575 Y12=-3.554 Phi12=-0.108 E12=59.218

SumN(-) = 5 SumN(+)= 13 AN/.6=0.741







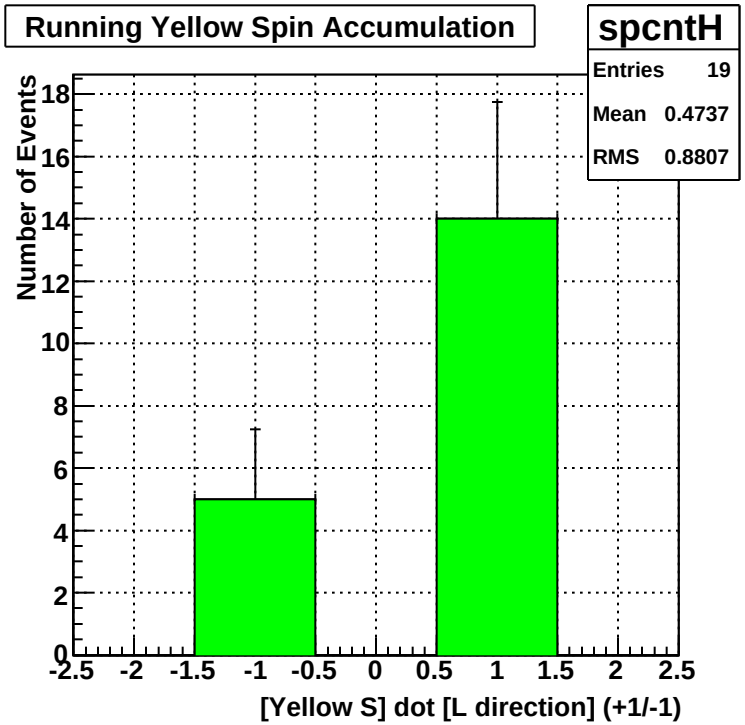
19) Rnum=7117067 EventN=904247 (3 Yu-N[+])

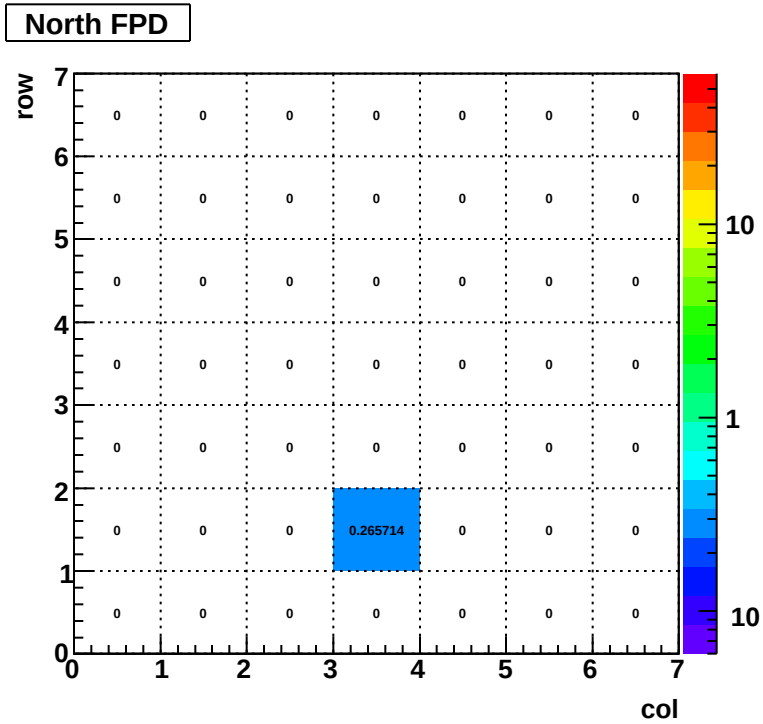
(1) Energy=44.359085 Y=-3.786128 Phi=0.125025

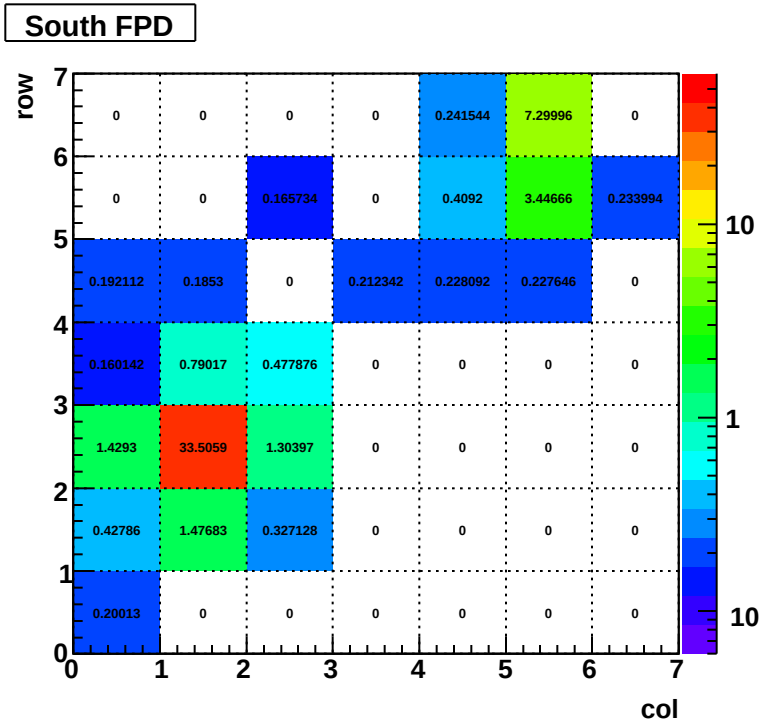
(2) Energy=11.985825 Y=-3.430591 Phi=-0.176120

M12=0.583 Y12=-3.708 Phi12=0.042 E12=56.345

SumN(-) = 5 SumN(+)= 14 AN/.6=0.789







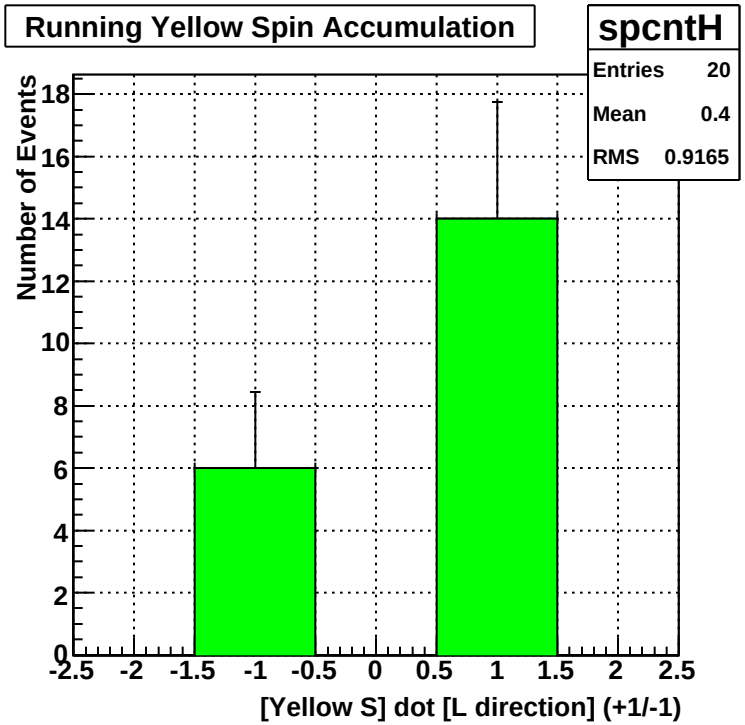
20) Rnum=7117072 EventN=602239 (3 Yu-S[-])

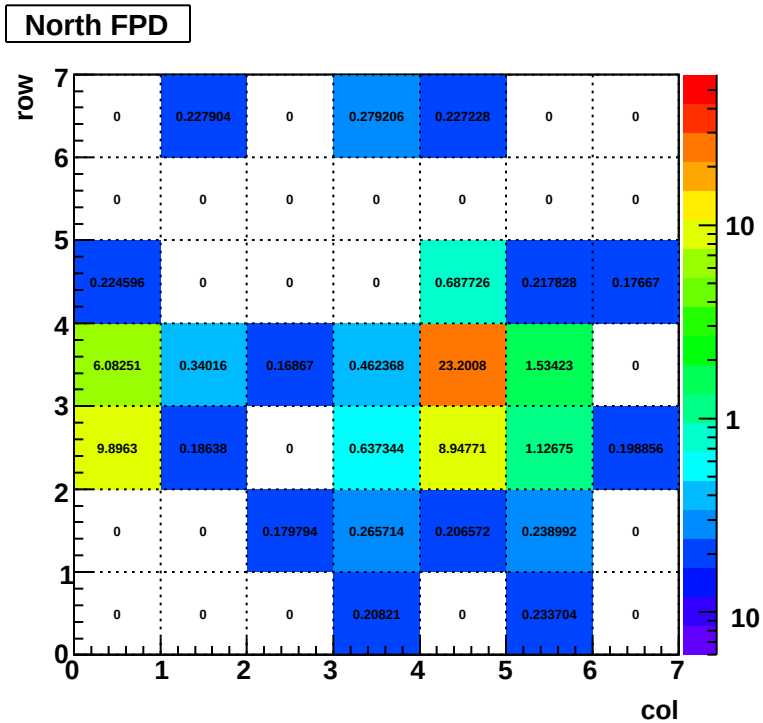
(1) Energy=37.441910 Y=-3.511485 Phi=3.097261

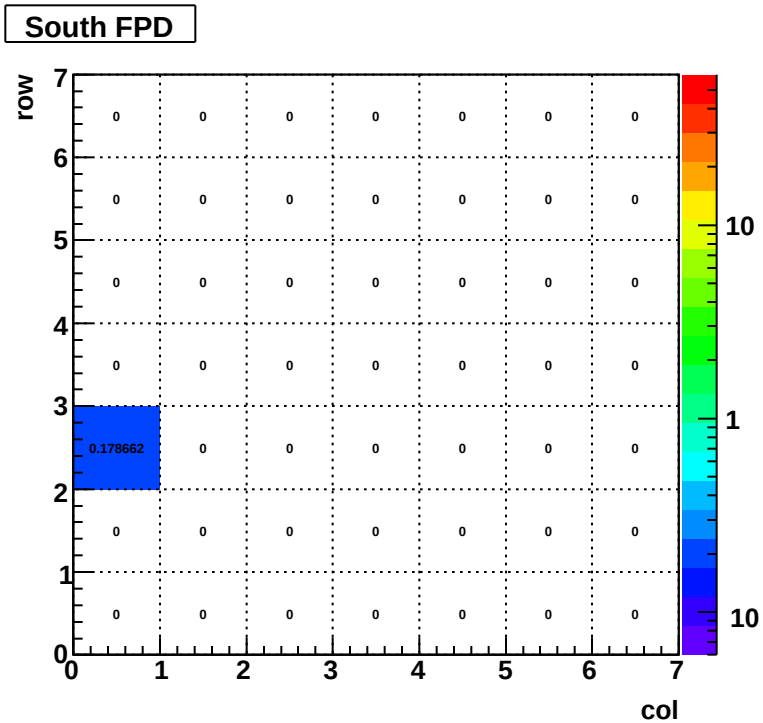
(2) Energy=19.634003 Y=-3.922033 Phi=3.060320

M12=0.547 Y12=-3.635 Phi12=3.088 E12=57.076

SumN(-) = 6 SumN(+)= 14 AN/.6=0.667







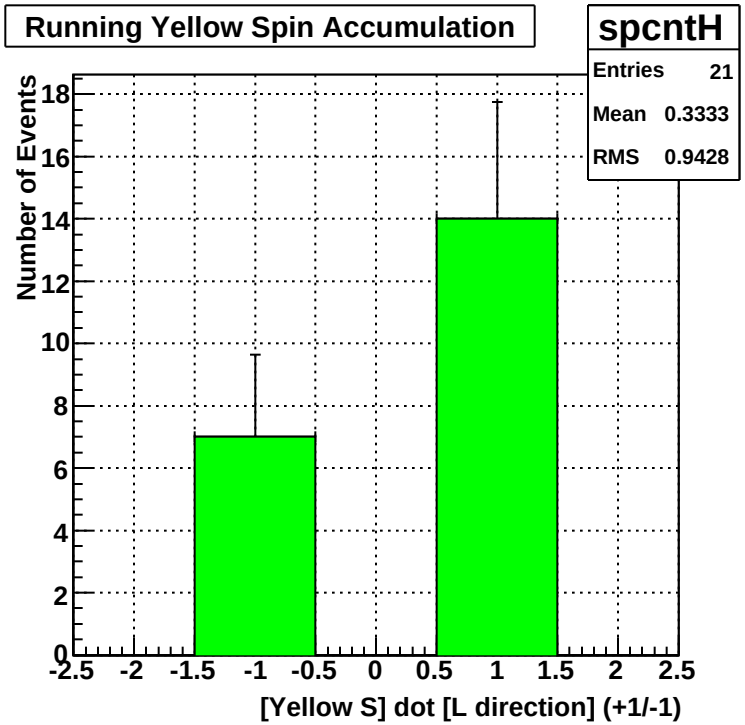
21) Rnum=7117072 EventN=802793 (2 Yd-N[-])

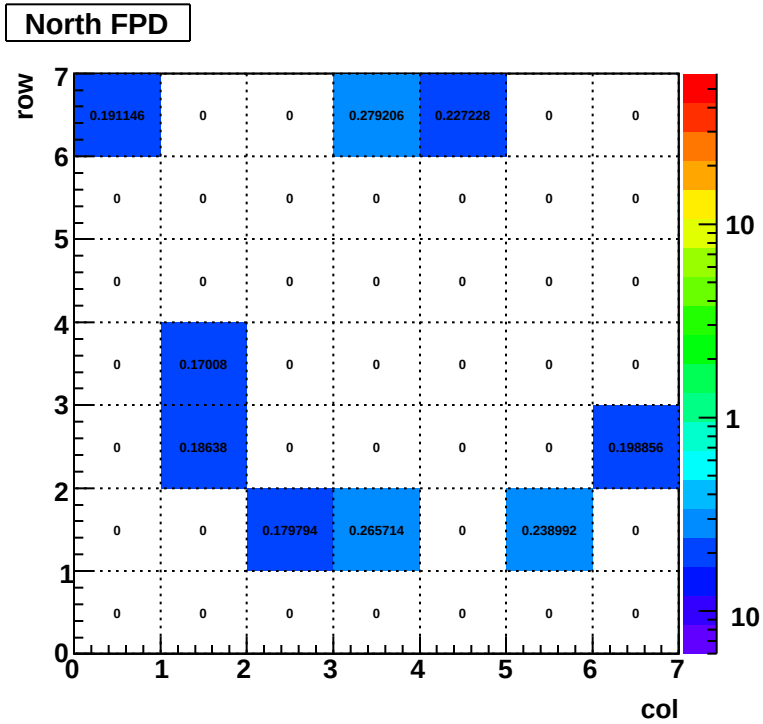
(1) Energy=47.685833 Y=-3.861563 Phi=-0.028344

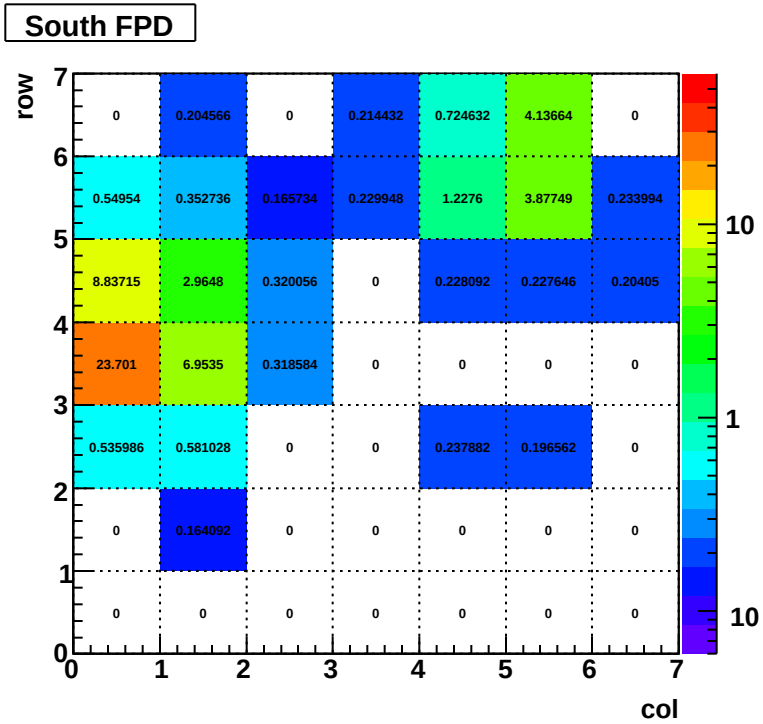
(2) Energy=10.284223 Y=-3.454566 Phi=-0.175957

M12=0.497 Y12=-3.778 Phi12=-0.064 E12=57.970

SumN(-) = 7 SumN(+)= 14 AN/.6=0.556







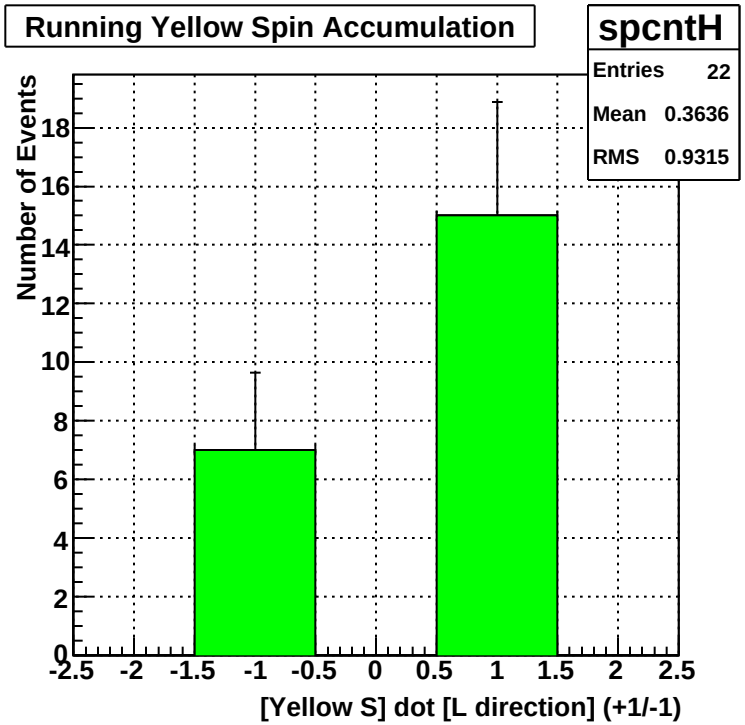
22) Rnum=7118003 EventN=3207486 (1 Yu-N[+])

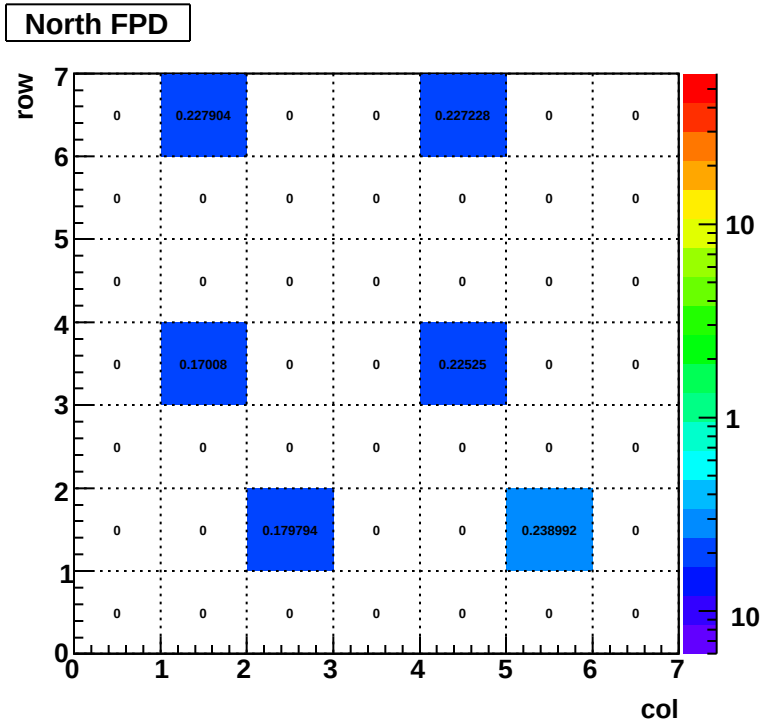
(1) Energy=41.152023 Y=-3.654213 Phi=0.176725

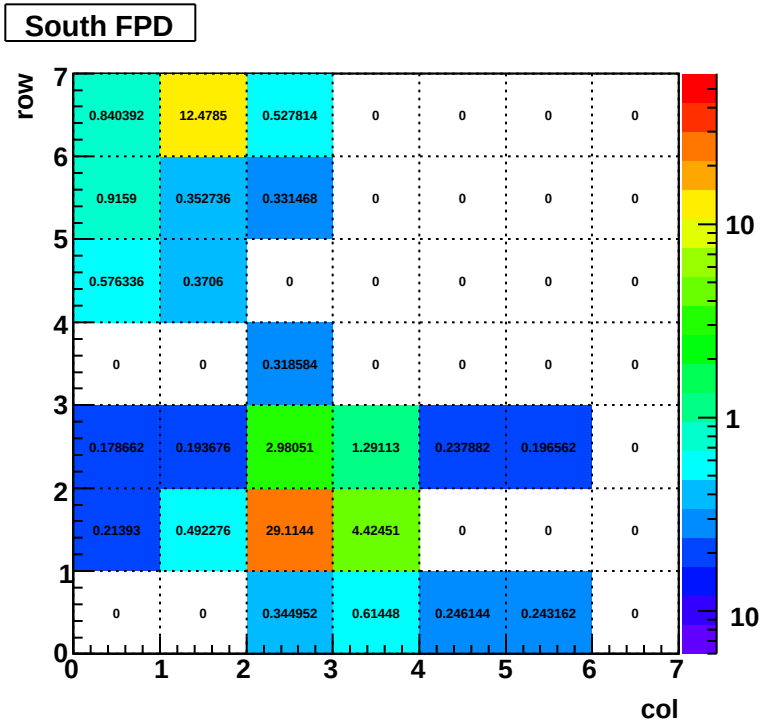
(2) Energy=16.093899 Y=-3.760337 Phi=-0.296553

M12=0.607 Y12=-3.705 Phi12=0.055 E12=57.246

SumN(-) = 7 SumN(+)= 15 AN/.6=0.606







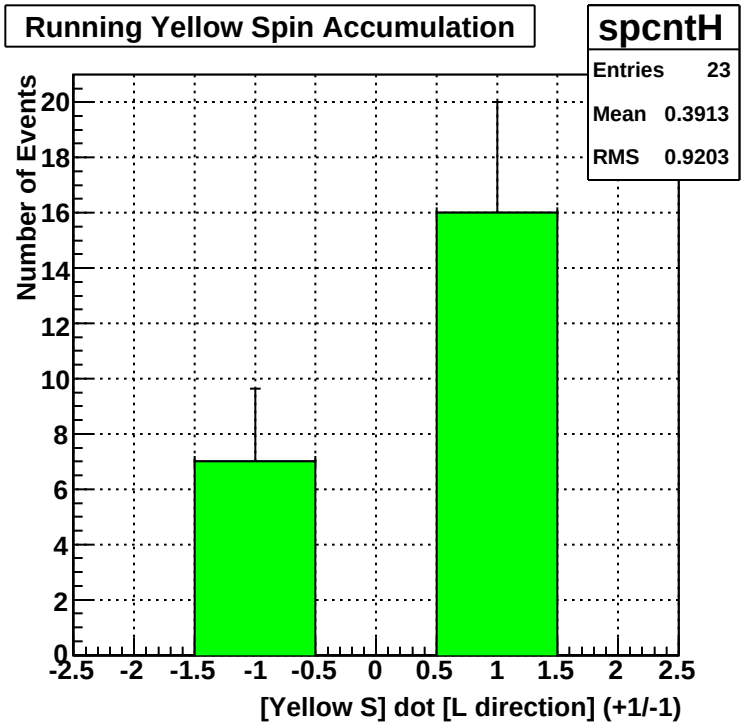
23) Rnum=7118003 EventN=6603011 (3 Yu-N[+])

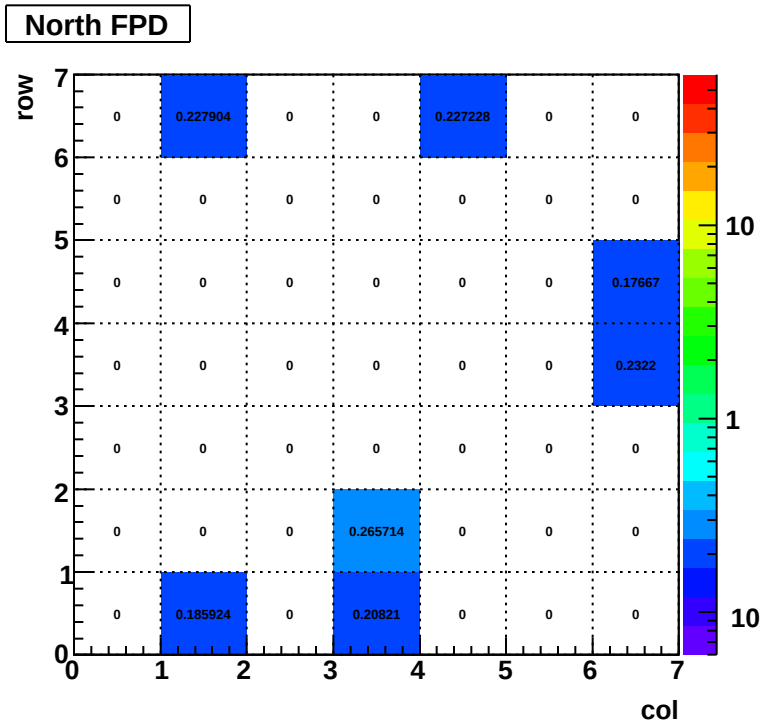
(1) Energy=51.964550 Y=-3.678399 Phi=0.190381

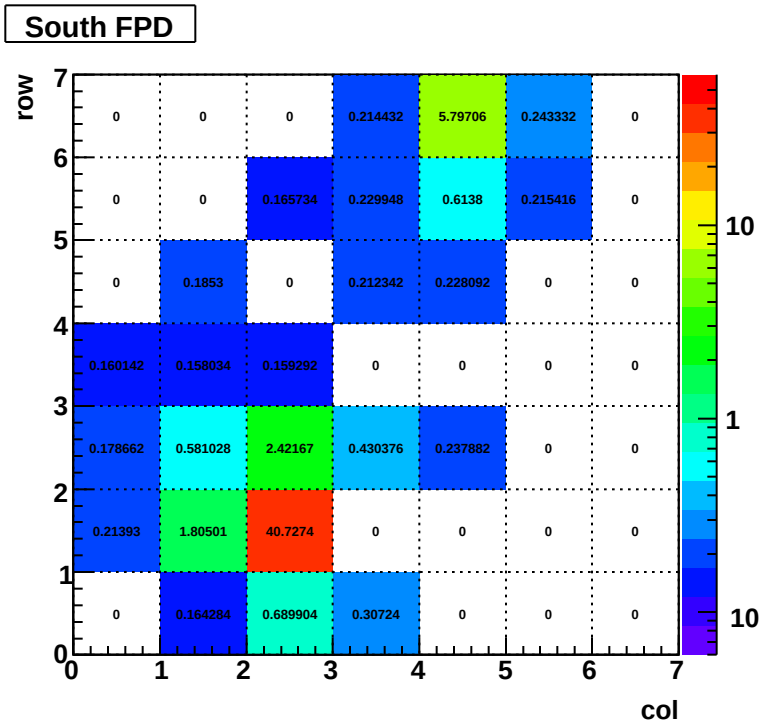
(2) Energy=7.505751 Y=-3.500058 Phi=-0.206663

M12=0.472 Y12=-3.664 Phi12=0.133 E12=59.470

SumN(-) = 7 SumN(+)= 16 AN/.6=0.652







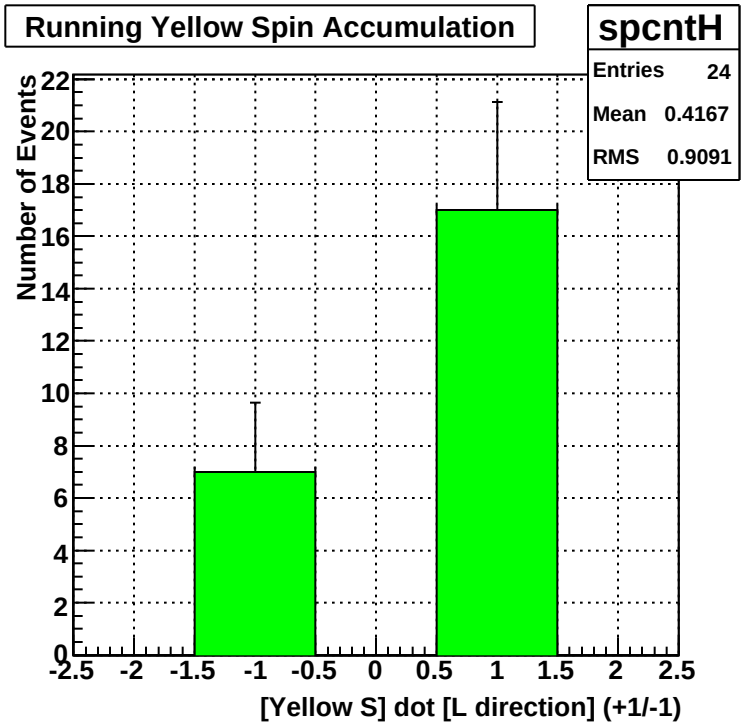
24) Rnum=7118003 EventN=1003614 (3 Yu-N[+])

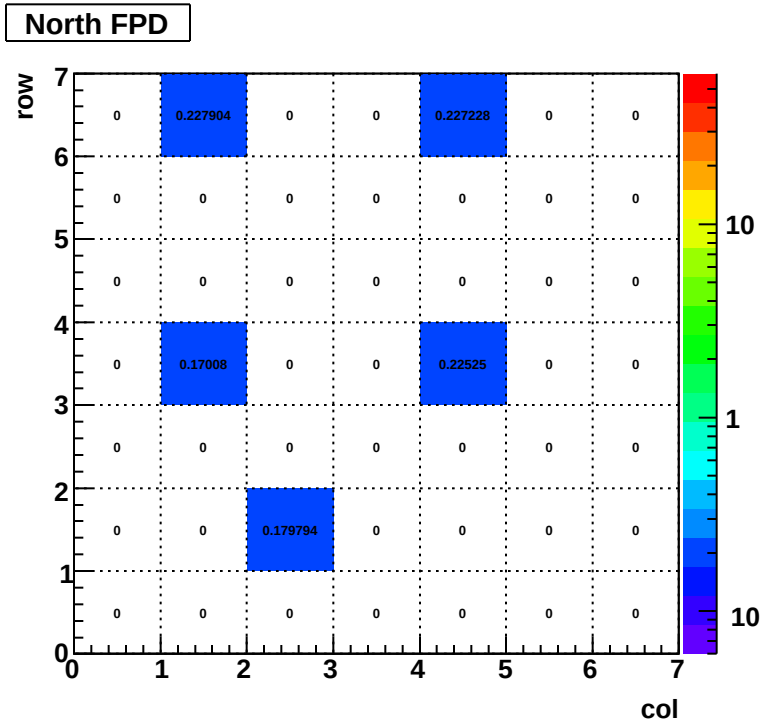
(1) Energy=45.266815 Y=-3.519970 Phi=-0.100649

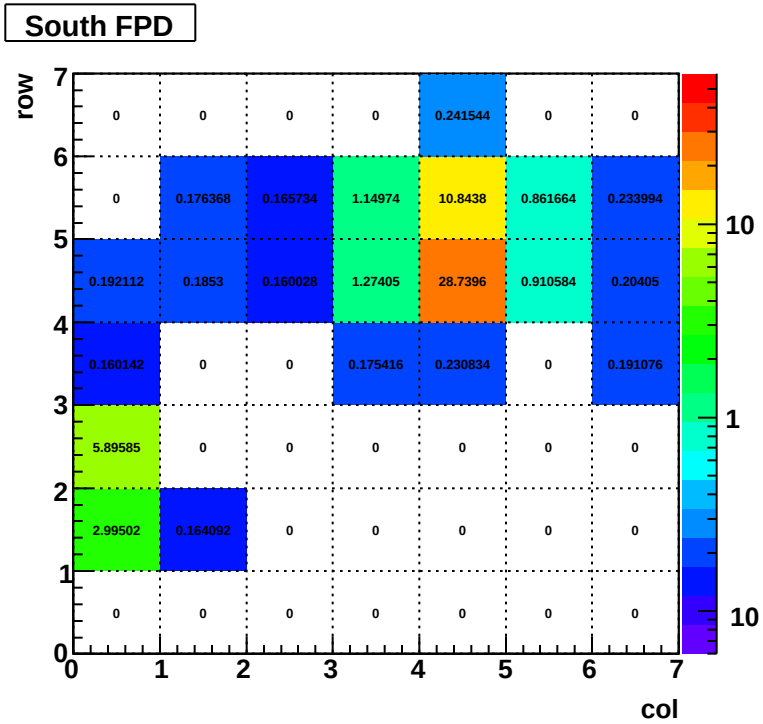
(2) Energy=10.827338 Y=-3.900166 Phi=0.186025

M12=0.517 Y12=-3.588 Phi12=-0.061 E12=56.094

SumN(-) = 7 SumN(+)= 17 AN/.6=0.694







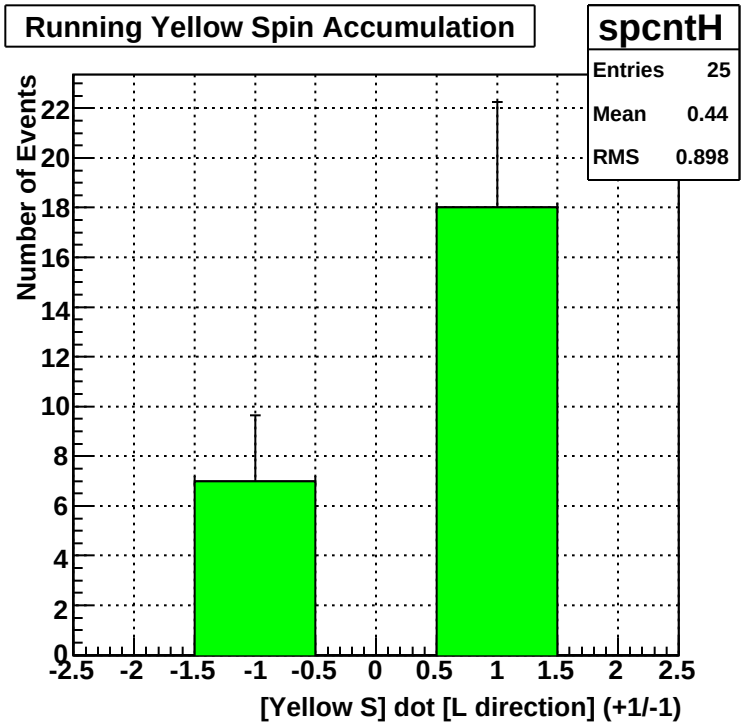
25) Rnum=7118008 EventN=5904337 (3 Yu-N[+])

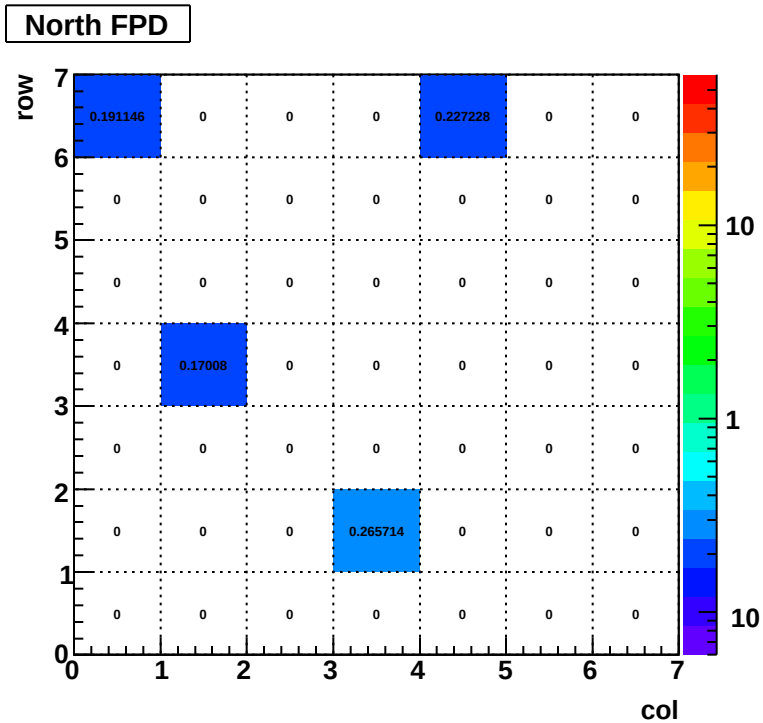
(1) Energy=42.405880 Y=-3.720245 Phi=0.144477

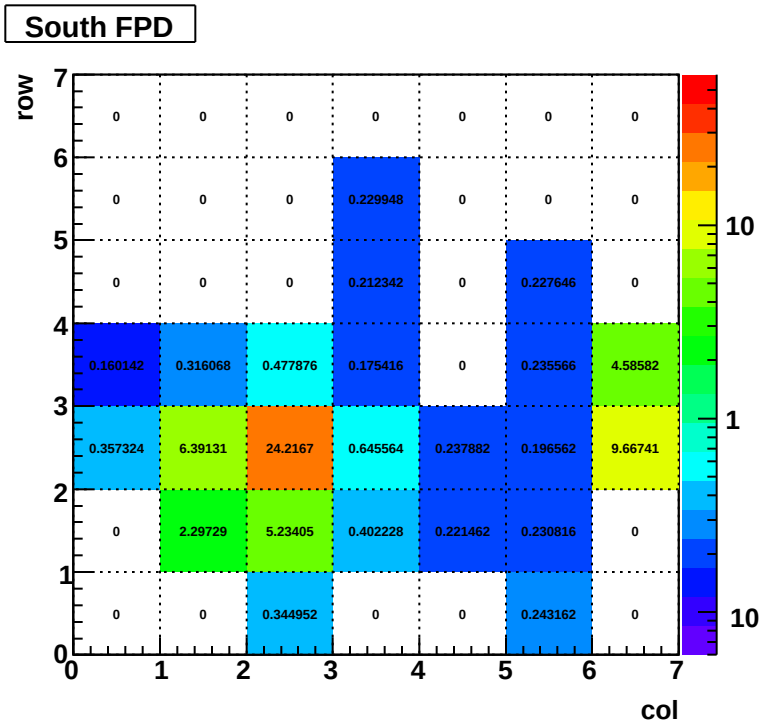
(2) Energy=17.271675 Y=-3.358194 Phi=0.048060

M12=0.591 Y12=-3.602 Phi12=0.109 E12=59.678

SumN(-) = 7 SumN(+)= 18 AN/.6=0.733







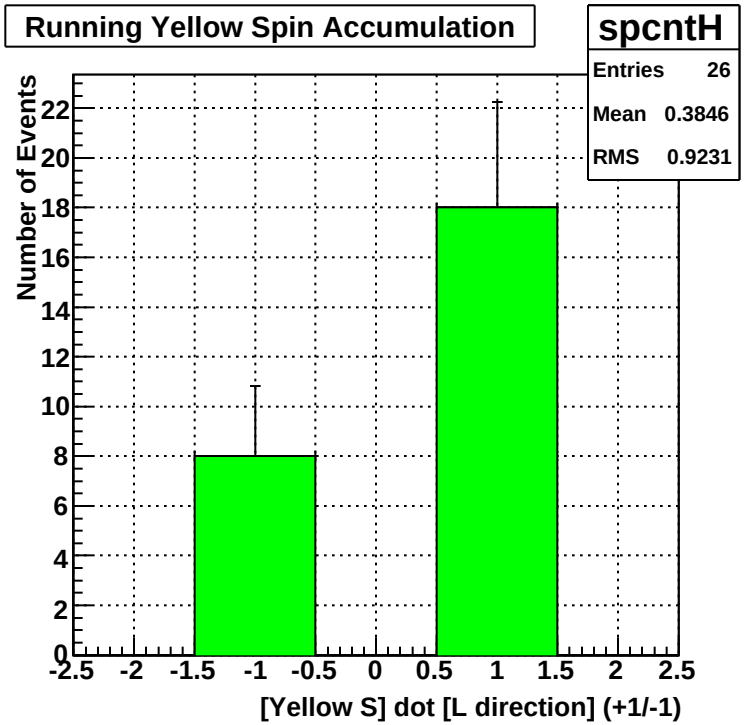
26) Rnum=7118008 EventN=6406100 (1 Yu-S[-])

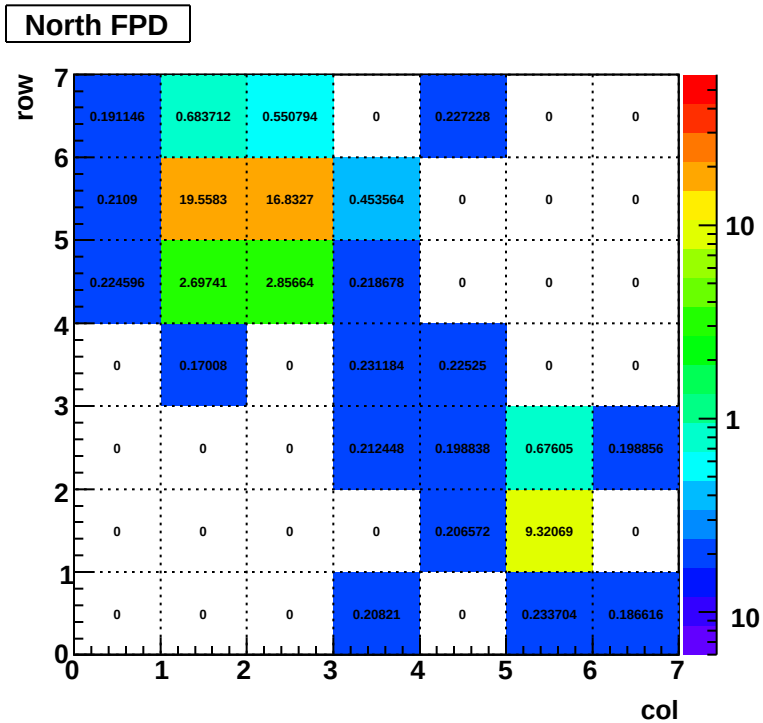
(1) Energy=44.509686 Y=-3.731551 Phi=-2.984558

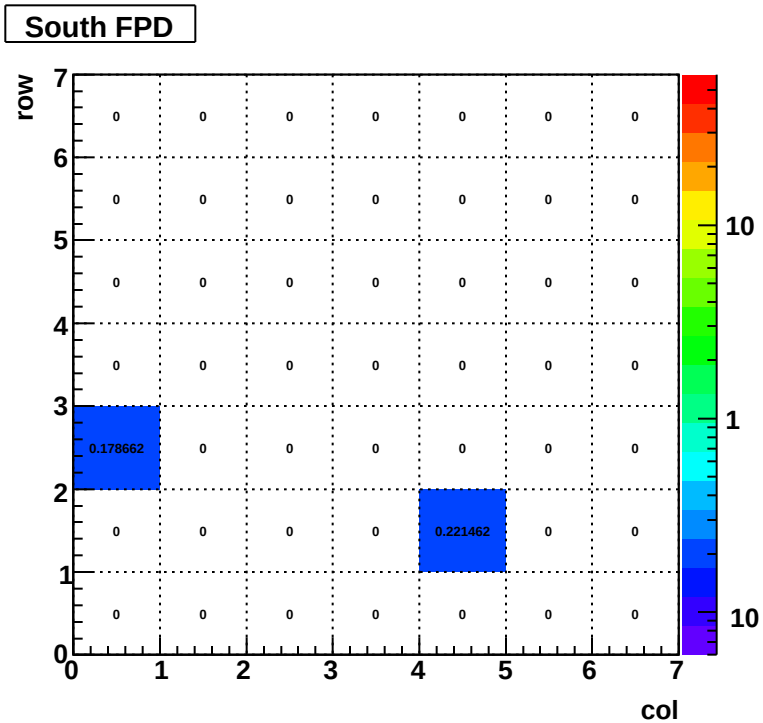
(2) Energy=11.254932 Y=-3.421750 Phi=2.996519

M12=0.541 Y12=-3.670 Phi12=-3.062 E12=55.765

SumN(-) = 8 SumN(+)= 18 AN/.6=0.641







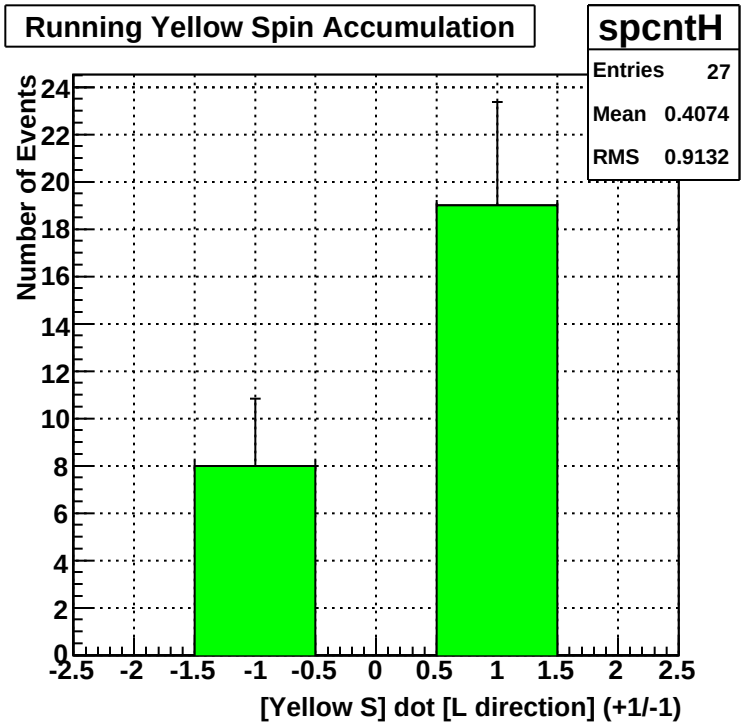
27) Rnum=7118008 EventN=6802546 (0 Yd-S[+])

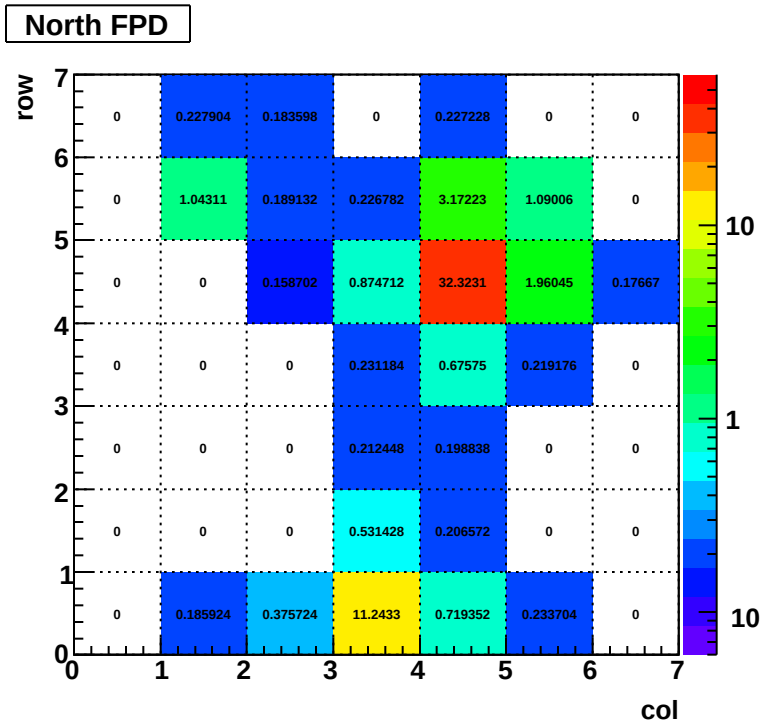
(1) Energy=41.404190 Y=-3.509001 Phi=-3.058585

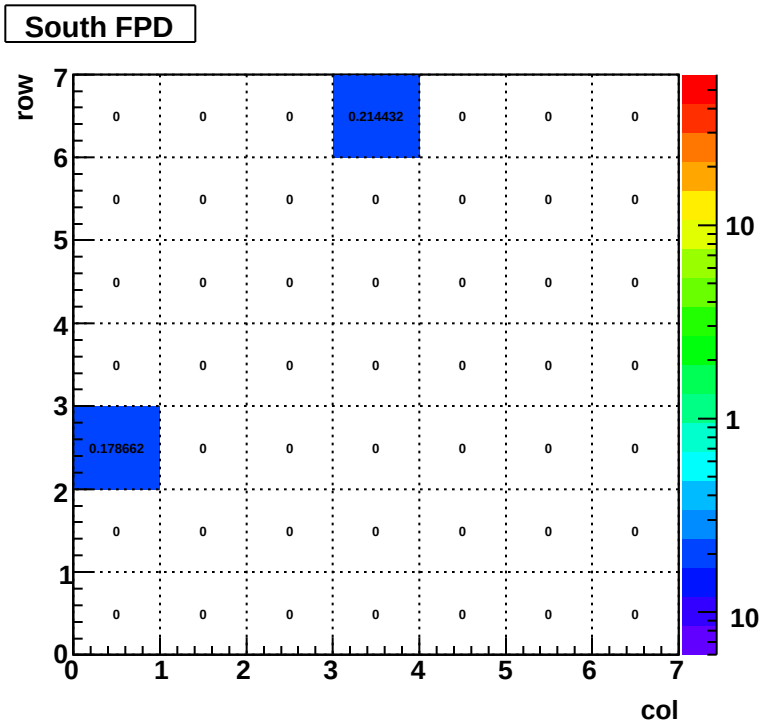
(2) Energy=14.799859 Y=-3.556525 Phi=2.862192

M12=0.525 Y12=-3.534 Phi12=3.133 E12=56.204

SumN(-) = 8 SumN(+)= 19 AN/.6=0.679







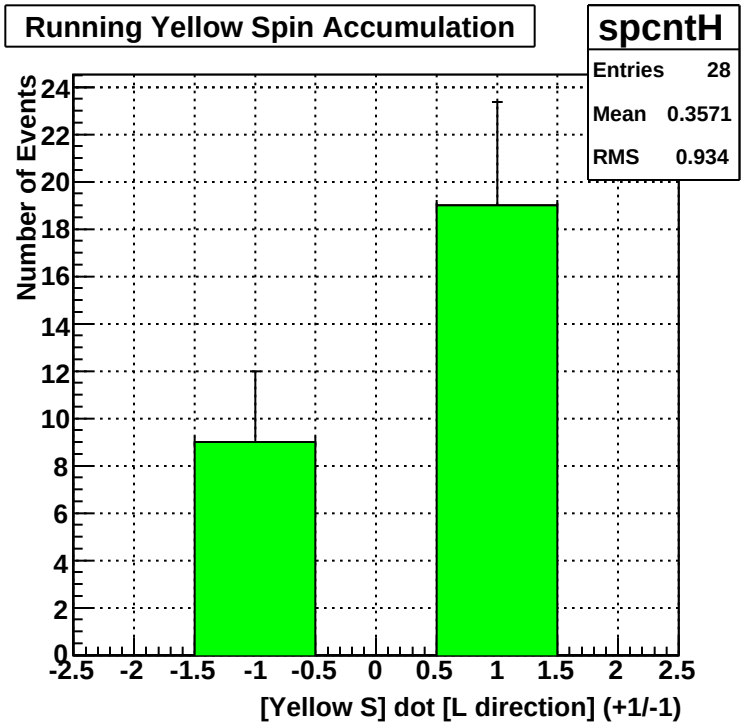
28) Rnum=7118009 EventN=2706155 (1 Yu-S[-])

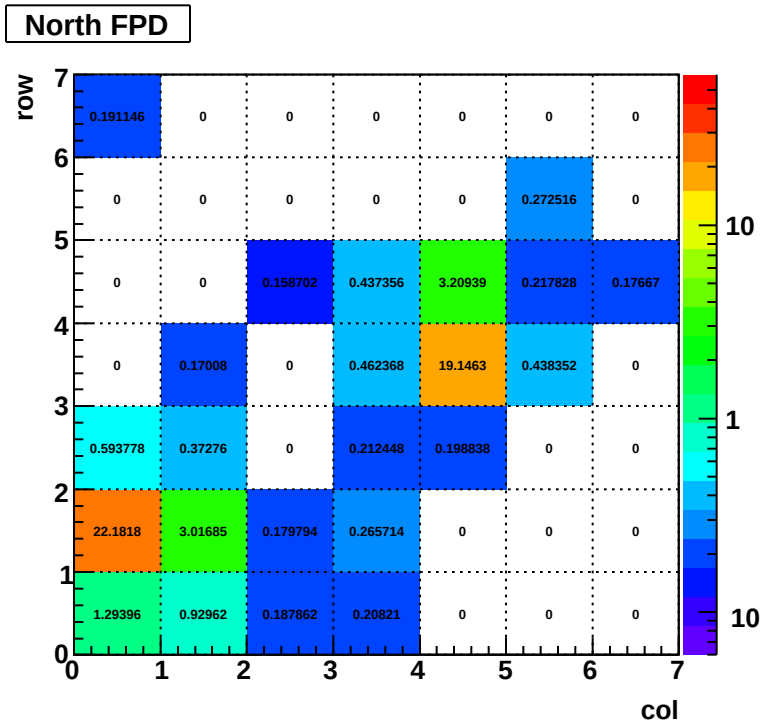
(1) Energy=30.885006 Y=-3.843199 Phi=2.891196

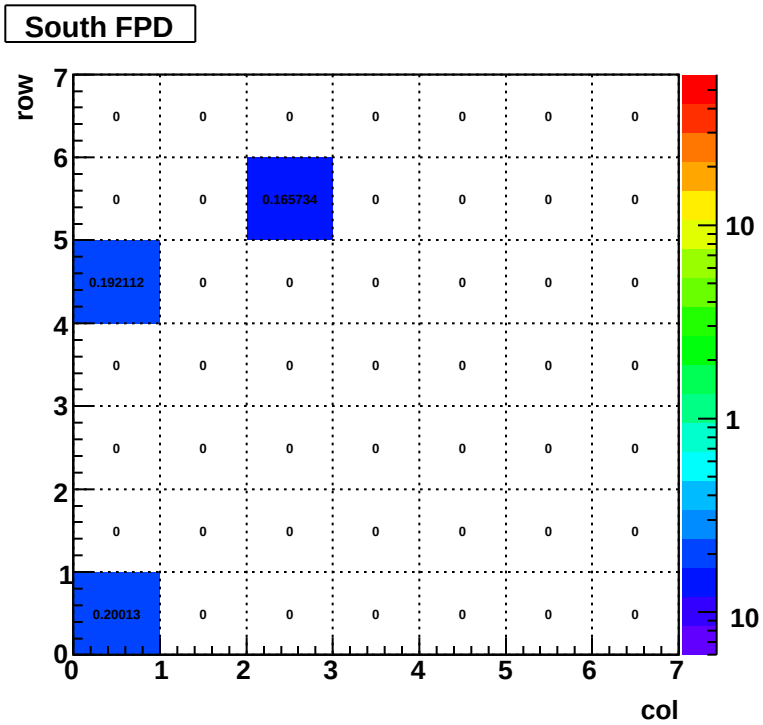
(2) Energy=25.512230 Y=-3.522874 Phi=-3.130433

M12=0.584 Y12=-3.694 Phi12=3.030 E12=56.397

SumN(-) = 9 SumN(+)= 19 AN/.6=0.595







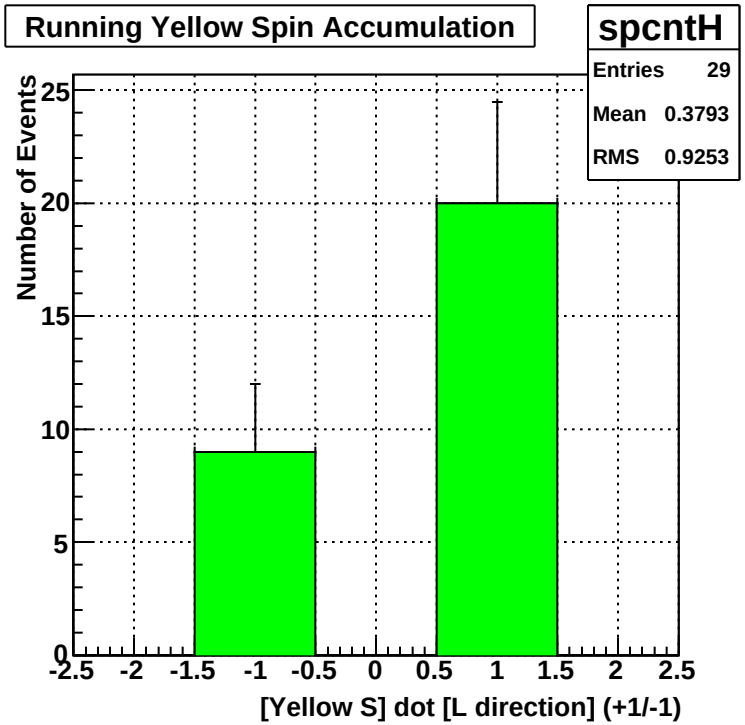
29) Rnum=7118014 EventN=307380 (0 Yd-S[+])

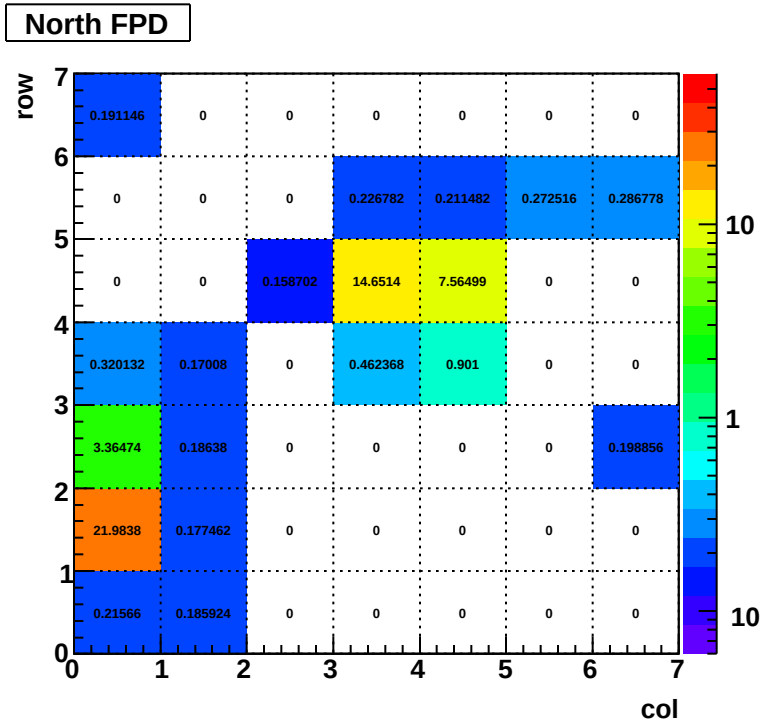
(1) Energy=31.067390 Y=-3.905018 Phi=2.920269

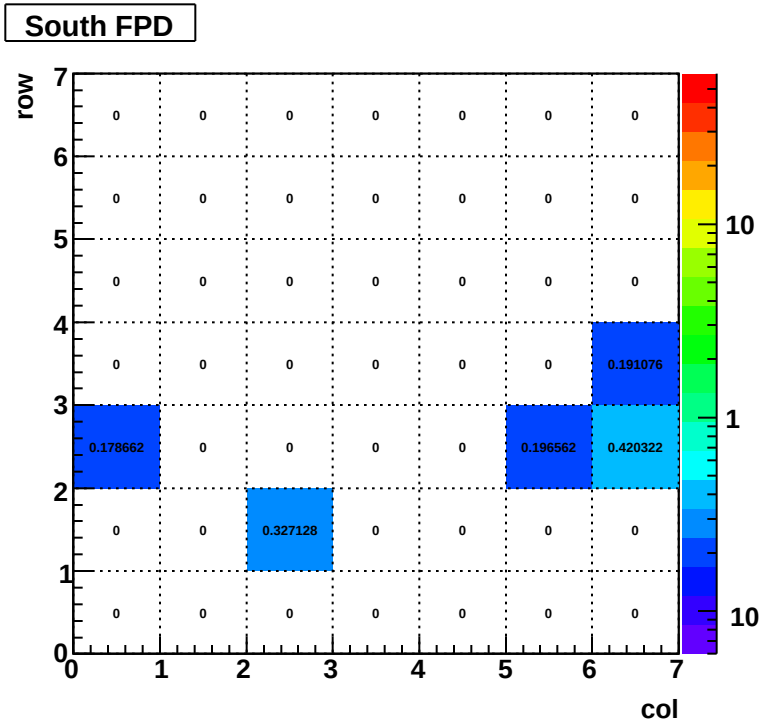
(2) Energy=25.158354 Y=-3.564973 Phi=-3.076983

M12=0.594 Y12=-3.749 Phi12=3.072 E12=56.226

SumN(-) = 9 SumN(+)= 20 AN/.6=0.632







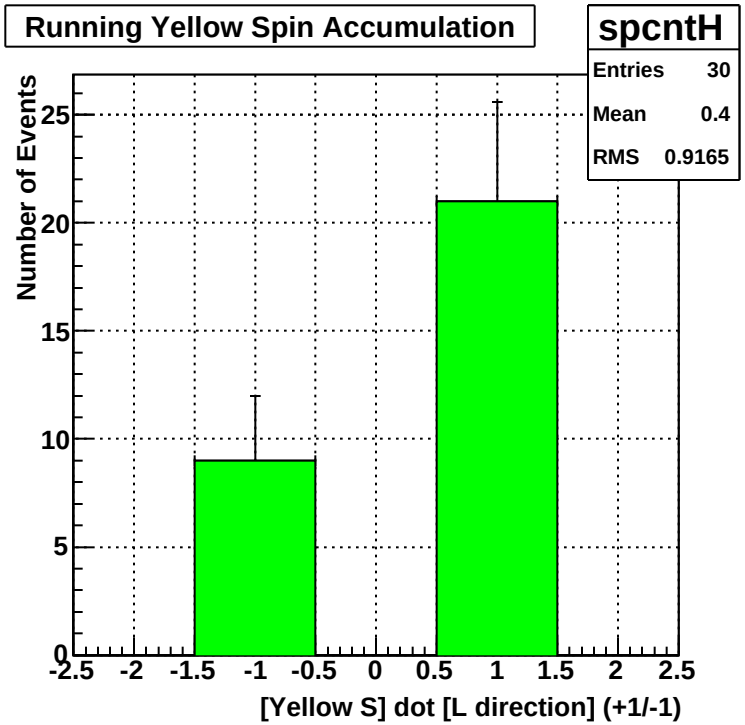
30) Rnum=7118017 EventN=209659 (3 Yu-N[+])

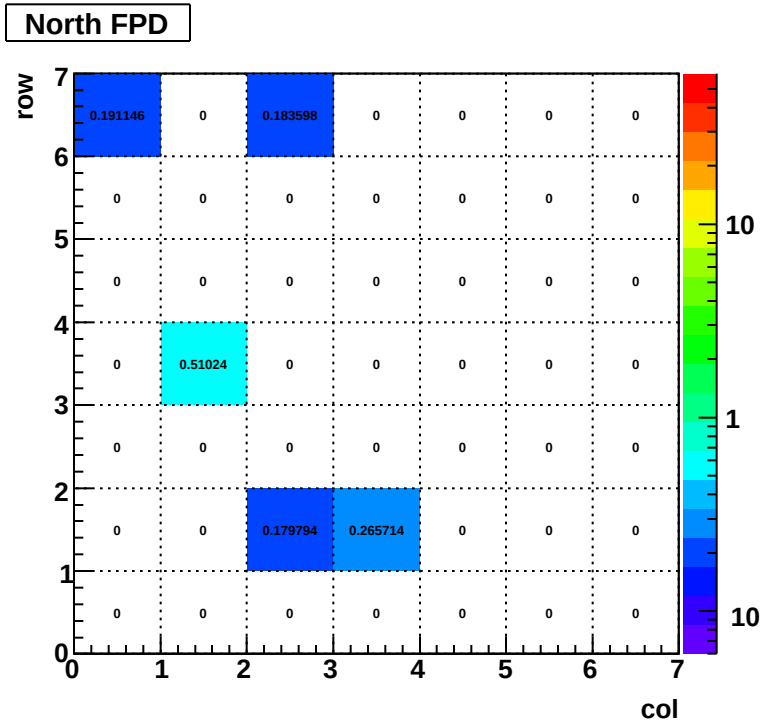
(1) Energy=45.577049 Y=-3.808712 Phi=-0.077290

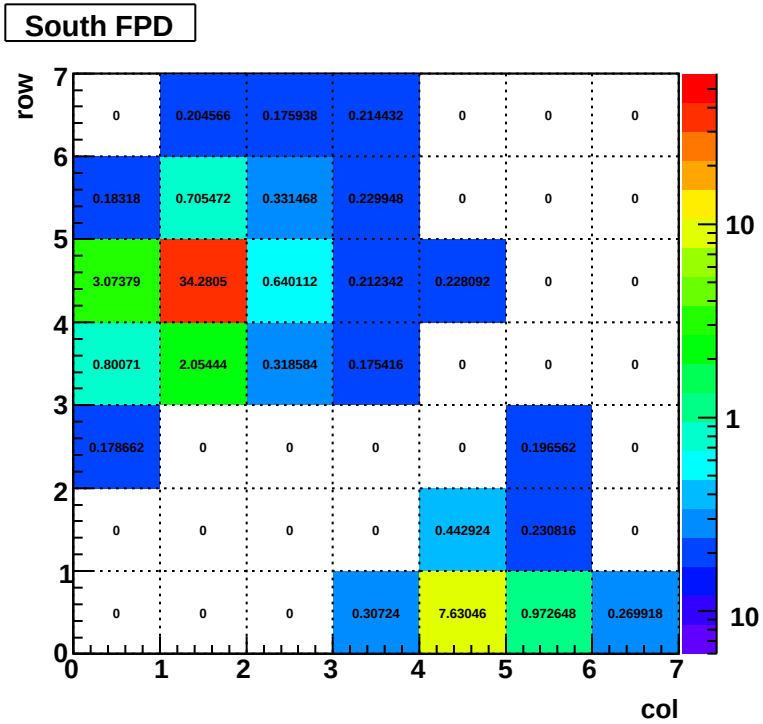
(2) Energy=11.360598 Y=-3.472559 Phi=0.249798

M12=0.560 Y12=-3.742 Phi12=0.007 E12=56.938

SumN(-) = 9 SumN(+)= 21 AN/.6=0.667







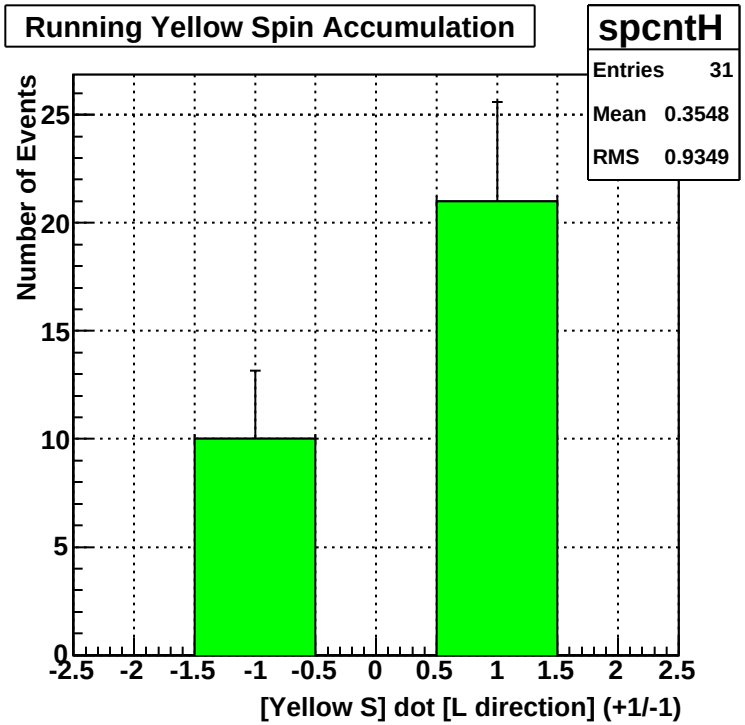
31) Rnum=7118017 EventN=1102234 (2 Yd-N[-])

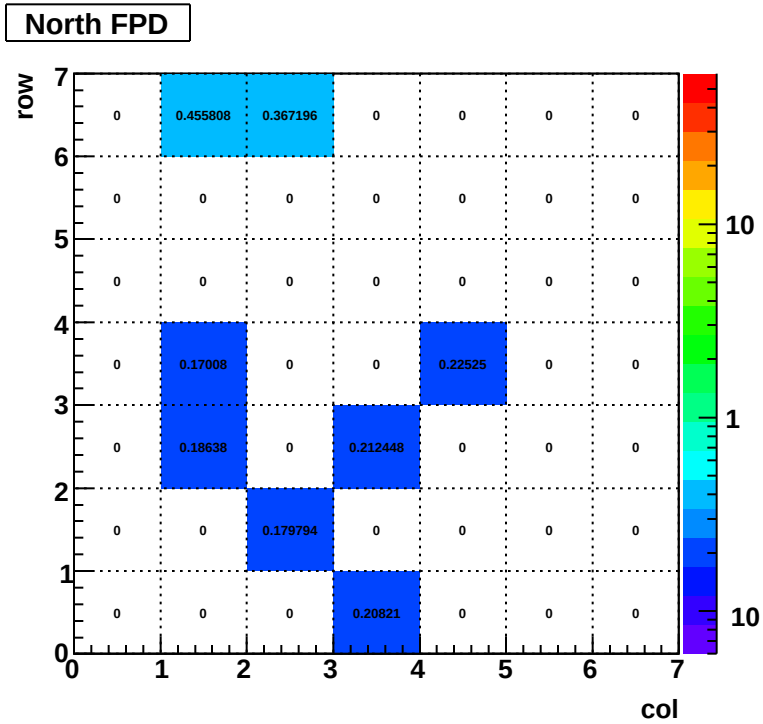
(1) Energy=33.015564 Y=-3.783507 Phi=-0.006465

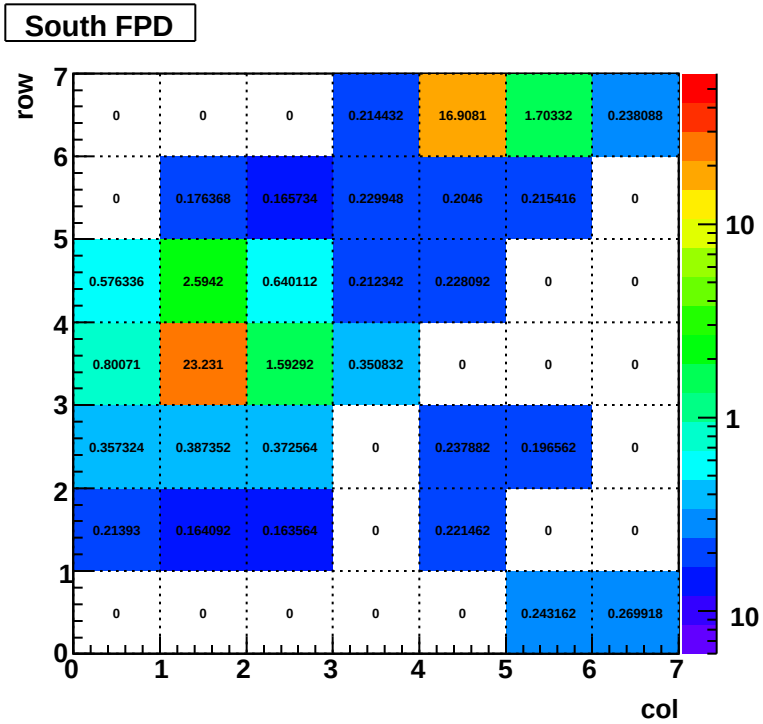
(2) Energy=22.253532 Y=-3.478631 Phi=-0.235286

M12=0.548 Y12=-3.656 Phi12=-0.116 E12=55.269

SumN(-) = 10 SumN(+)= 21 AN/.6=0.591







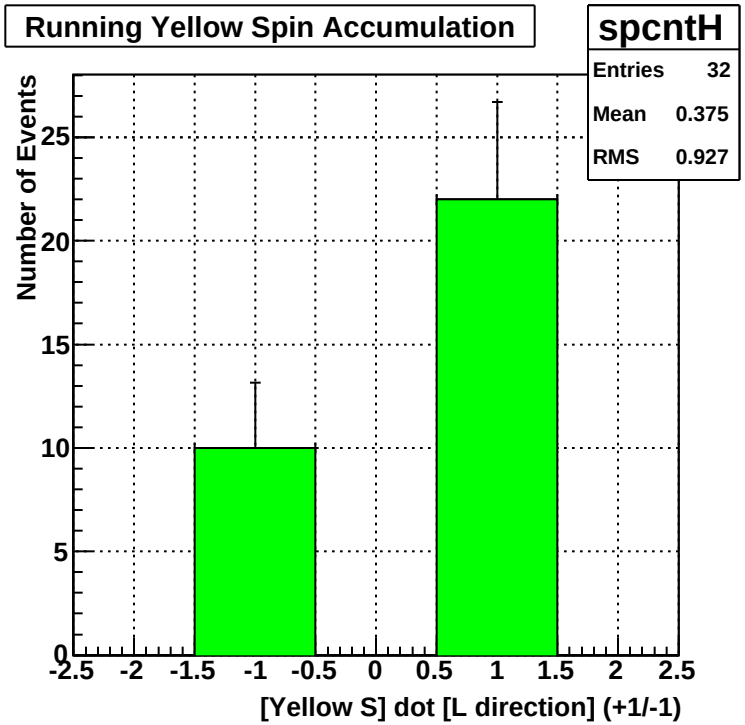
32) Rnum=7118024 EventN=4500543 (2 Yd-S[+])

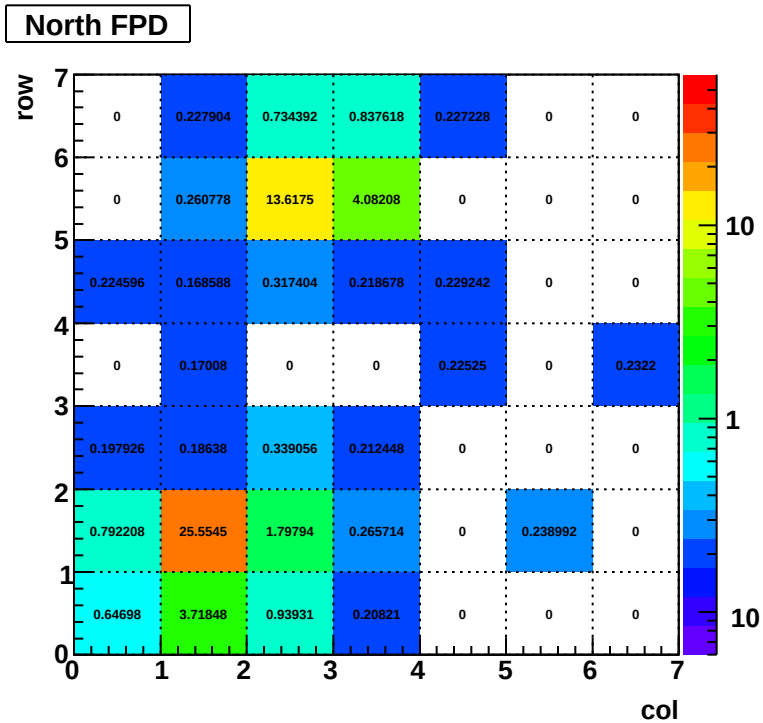
(1) Energy=36.393627 Y=-3.750987 Phi=2.896271

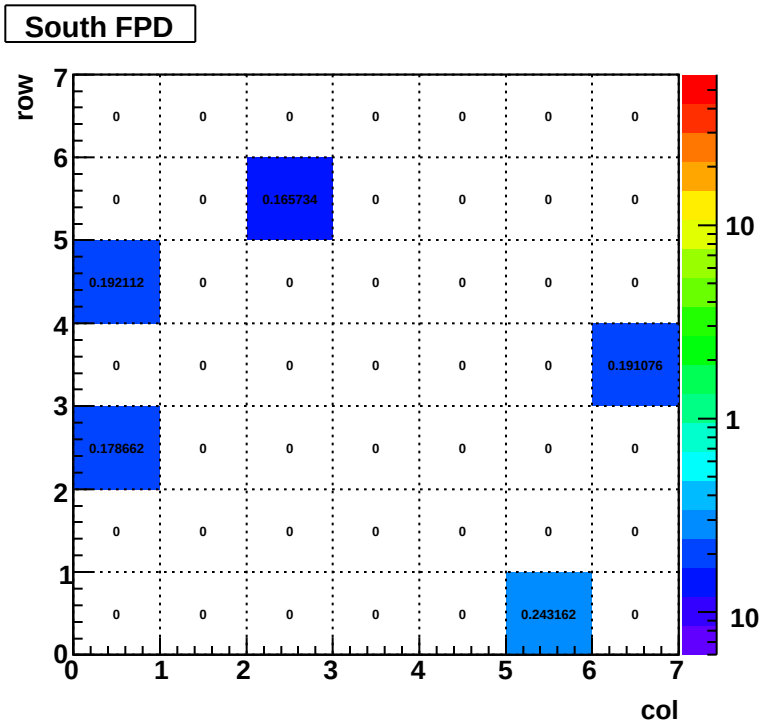
(2) Energy=21.094236 Y=-3.644591 Phi=-2.965903

M12=0.592 Y12=-3.732 Phi12=3.061 E12=57.488

SumN(-) = 10 SumN(+)= 22 AN/.6=0.625







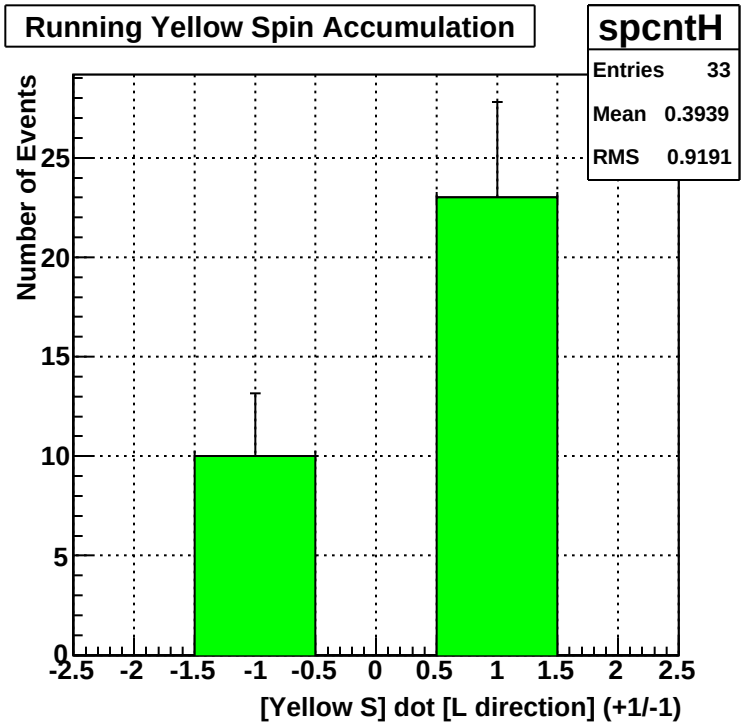
33) Rnum=7118024 EventN=4503527 (0 Yd-S[+])

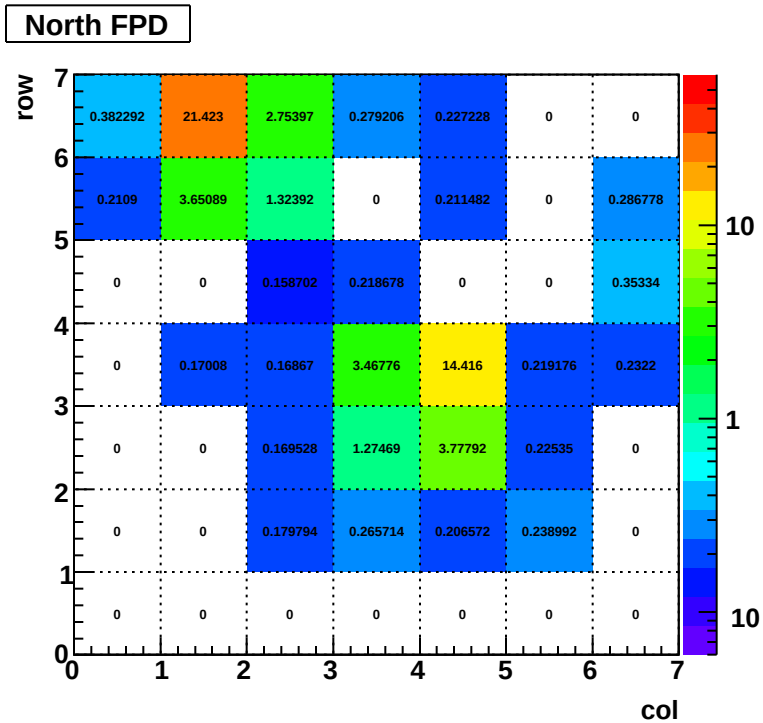
(1) Energy=31.205853 Y=-3.734576 Phi=-2.886615

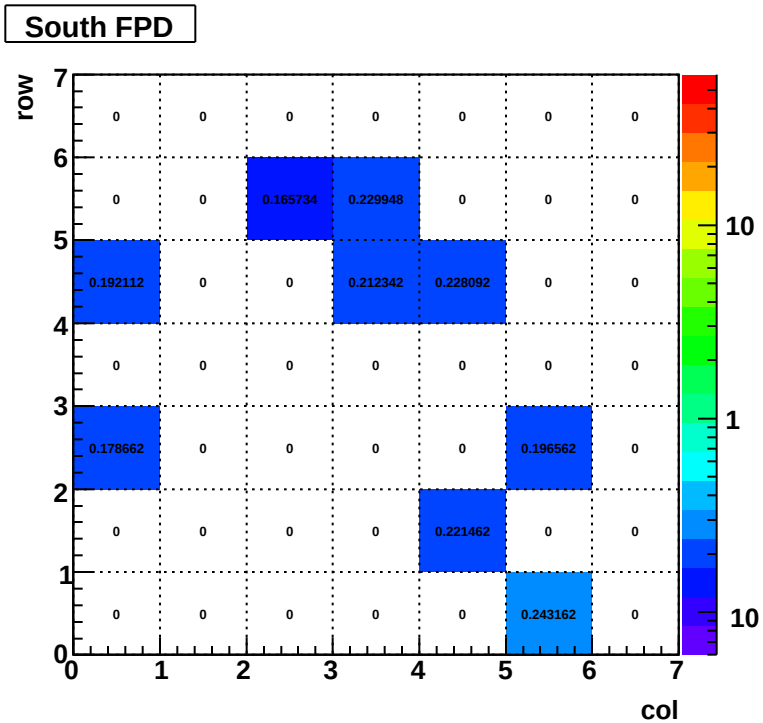
(2) Energy=24.296543 Y=-3.549175 Phi=3.099725

M12=0.503 Y12=-3.660 Phi12=-3.030 E12=55.502

SumN(-) = 10 SumN(+)= 23 AN/.6=0.657







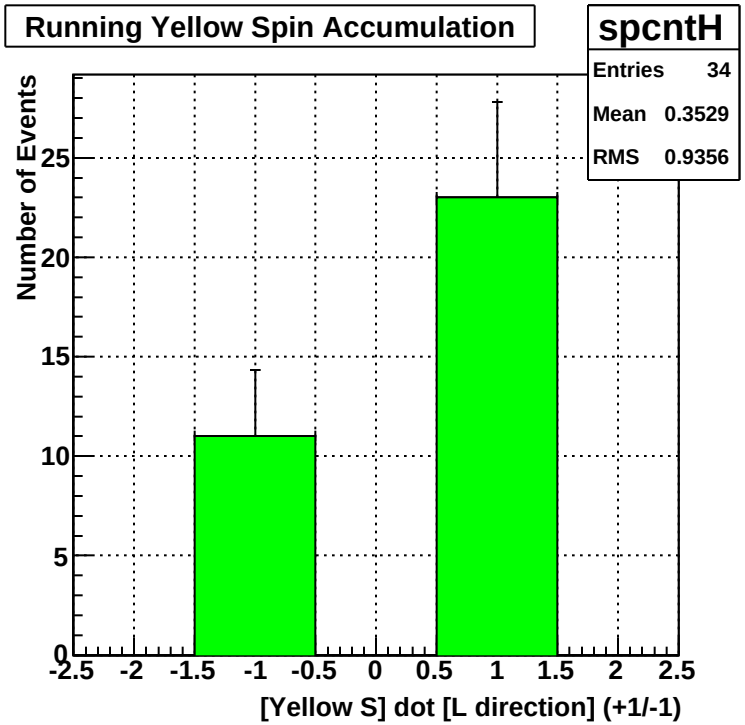
34) Rnum=7118024 EventN=602754 (2 Yd-N[-])

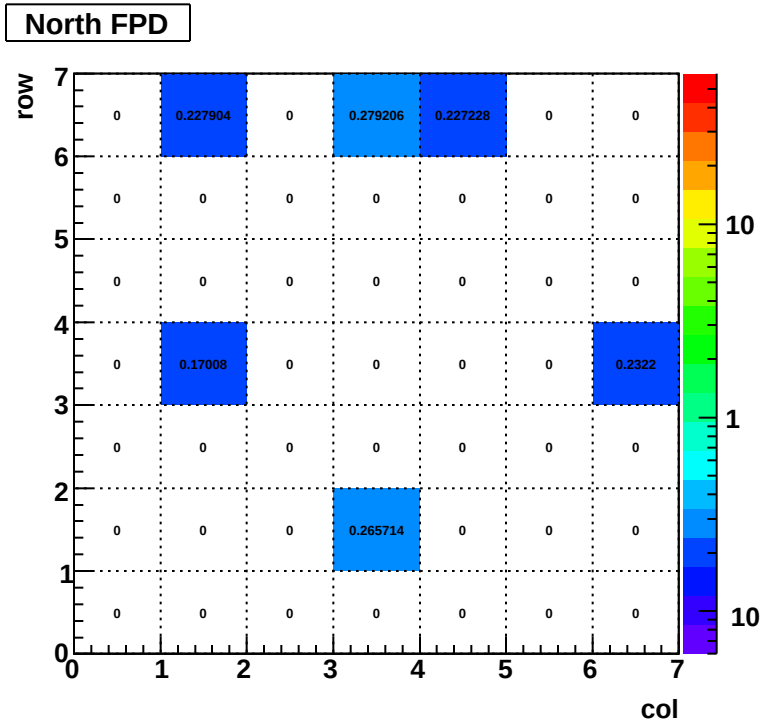
(1) Energy=43.426334 Y=-3.722432 Phi=-0.188565

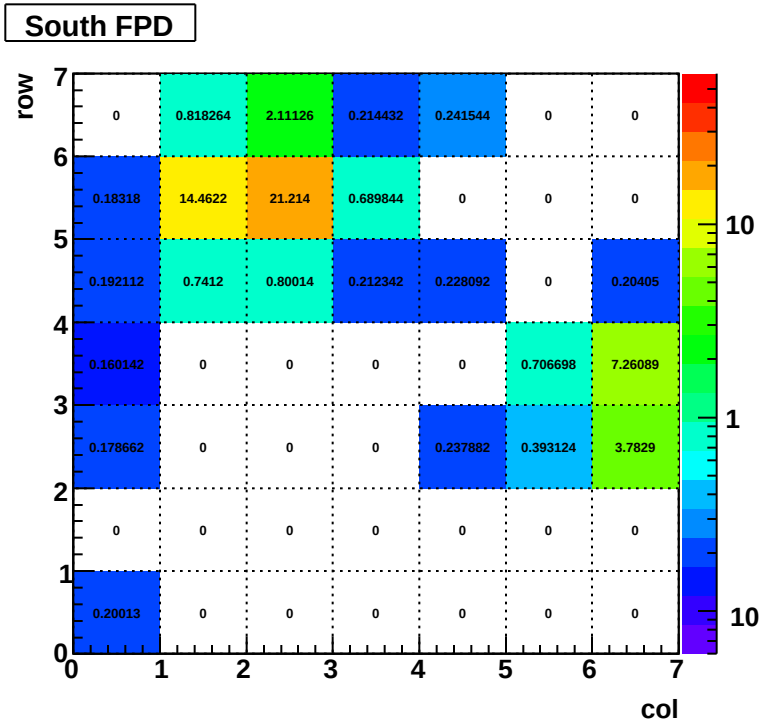
(2) Energy=12.978583 Y=-3.383457 Phi=0.041295

M12=0.558 Y12=-3.639 Phi12=-0.121 E12=56.405

SumN(-) = 11 SumN(+)= 23 AN/.6=0.588







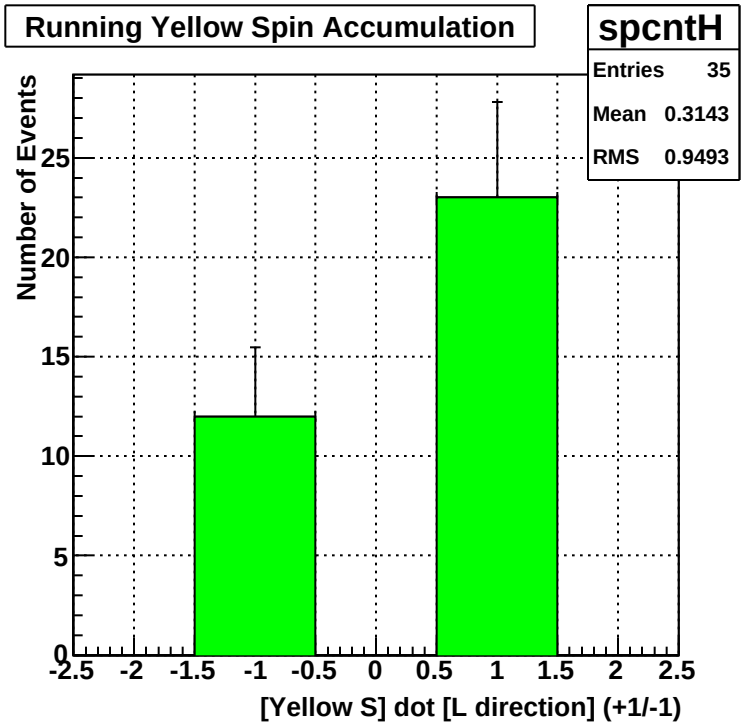
35) Rnum=7118025 EventN=3807925 (1 Yu-S[-])

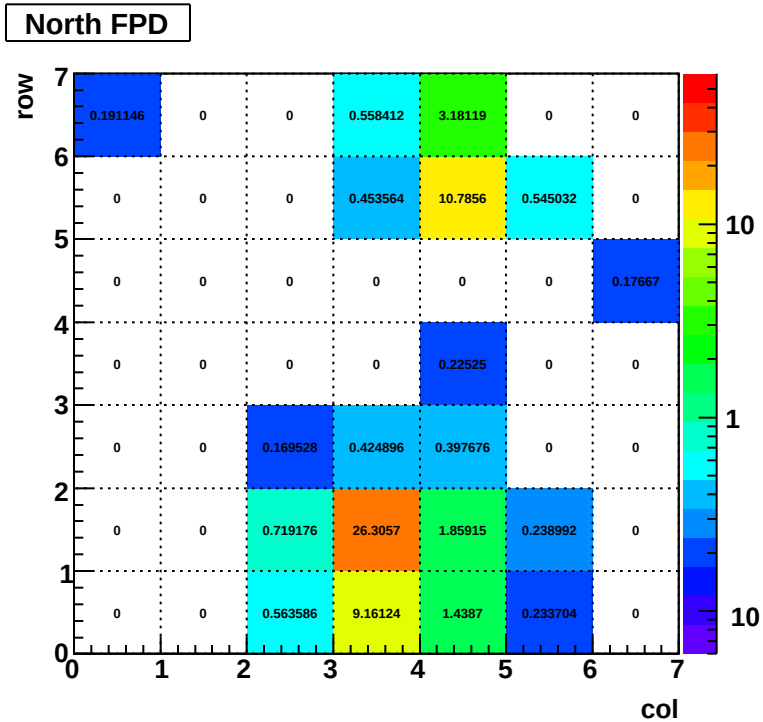
(1) Energy=38.513268 Y=-3.567821 Phi=2.925836

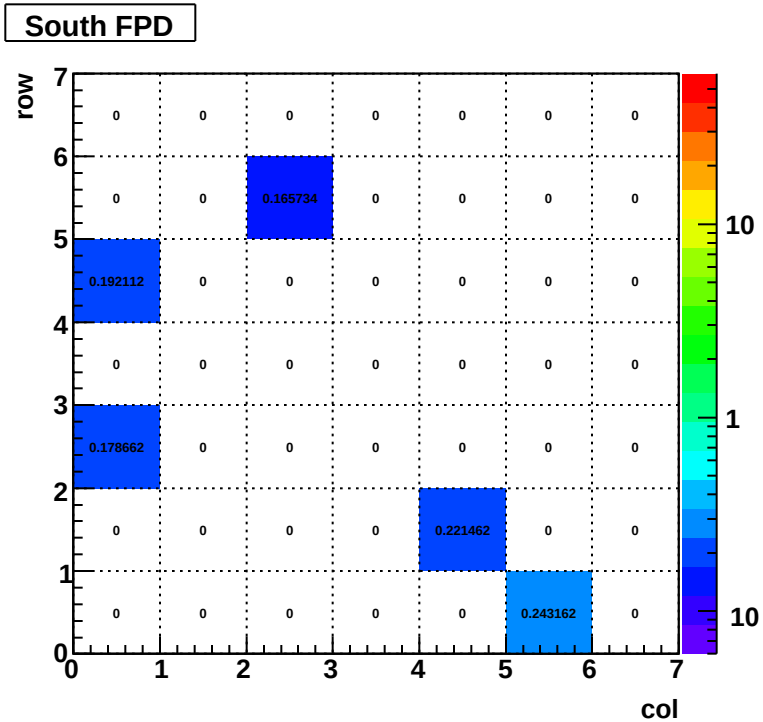
(2) Energy=16.695908 Y=-3.504845 Phi=-2.966593

M12=0.580 Y12=-3.565 Phi12=3.048 E12=55.209

SumN(-) = 12 SumN(+)= 23 AN/.6=0.524







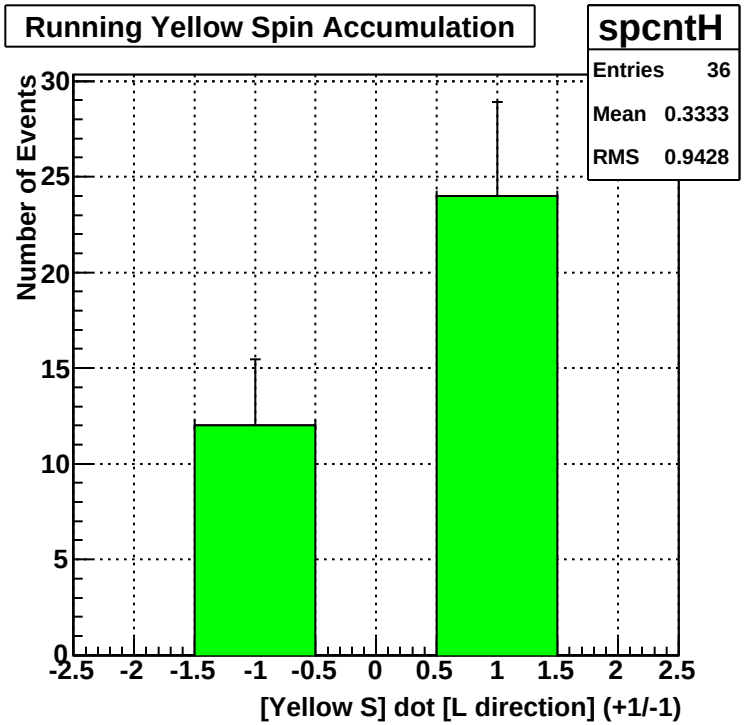
36) Rnum=7118025 EventN=1109359 (1 Yu-N[+])

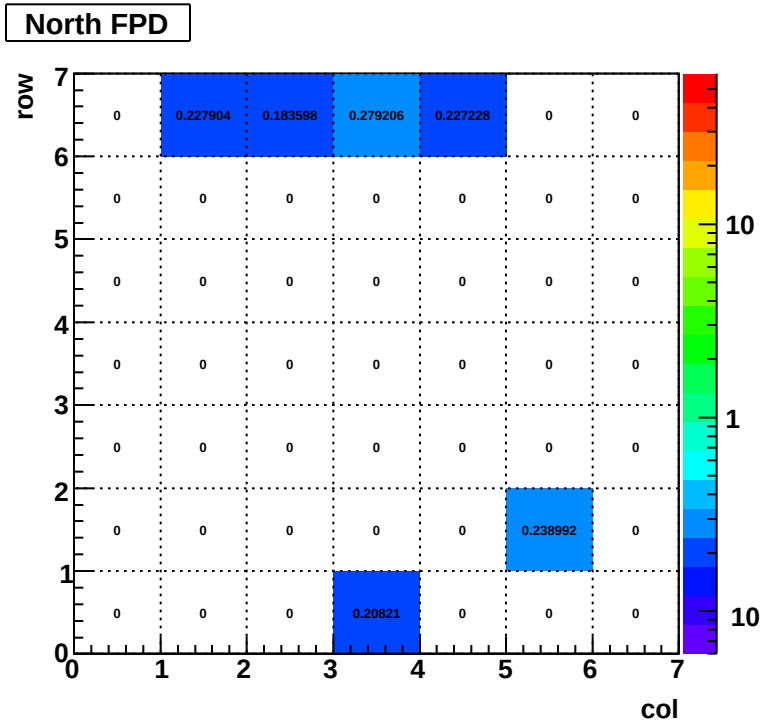
(1) Energy=37.121002 Y=-3.722291 Phi=0.198560

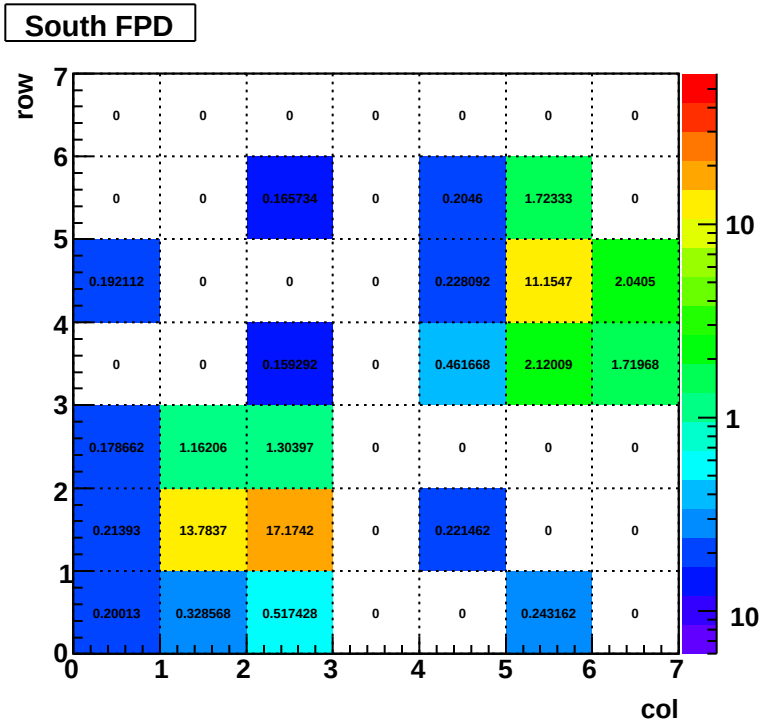
(2) Energy=17.992029 Y=-3.419766 Phi=-0.037153

M12=0.558 Y12=-3.620 Phi12=0.105 E12=55.113

SumN(-) = 12 SumN(+)= 24 AN/.6=0.556







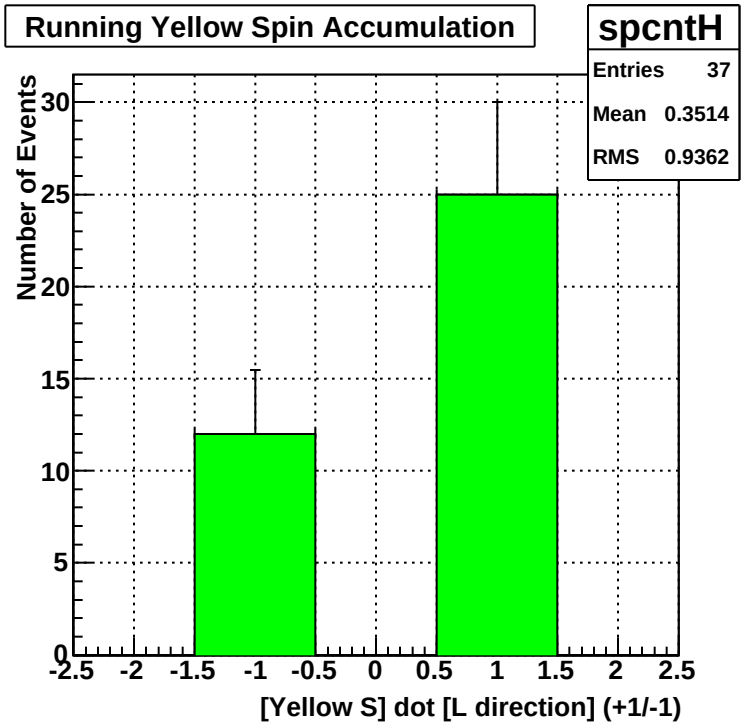
37) Rnum=7118027 EventN=108498 (0 Yd-S[+])

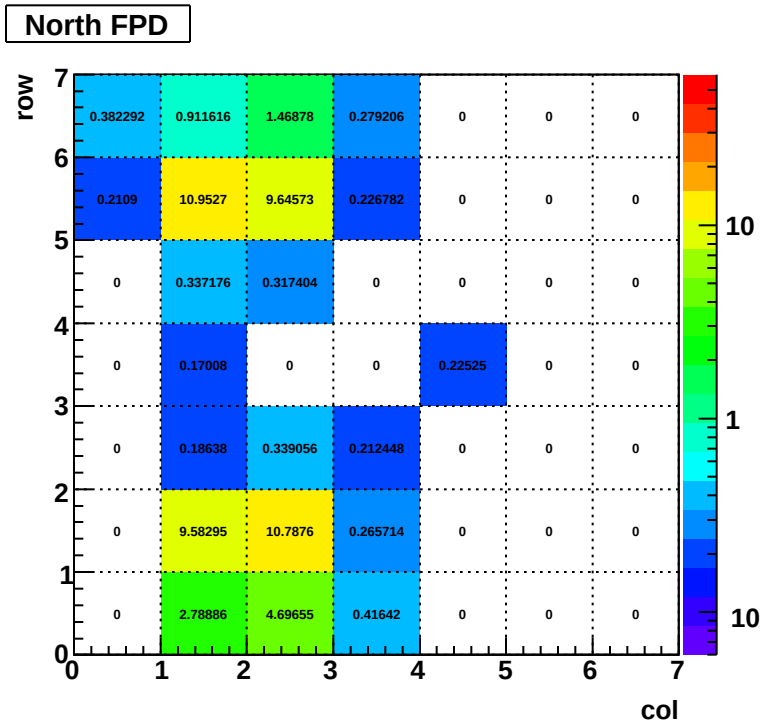
(1) Energy=30.769283 Y=-3.711493 Phi=2.894090

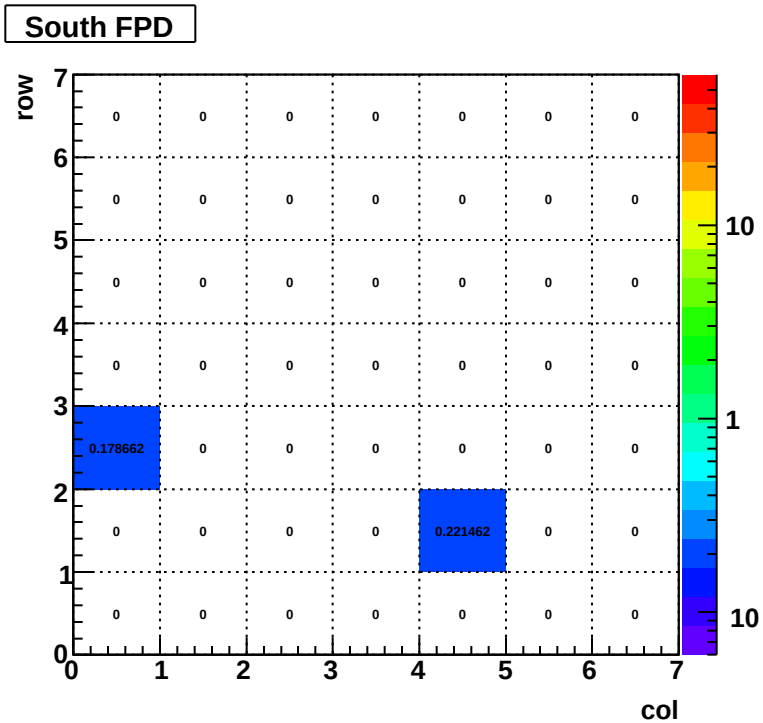
(2) Energy=24.236799 Y=-3.723742 Phi=-2.942132

M12=0.588 Y12=-3.742 Phi12=3.089 E12=55.006

SumN(-) = 12 SumN(+)= 25 AN/.6=0.586







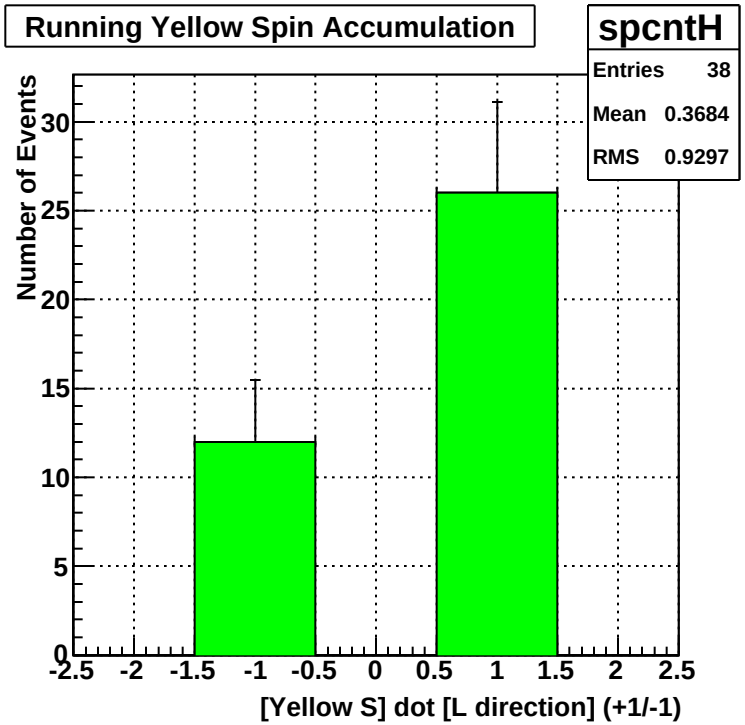
38) Rnum=7118027 EventN=808318 (1 Yu-N[+])

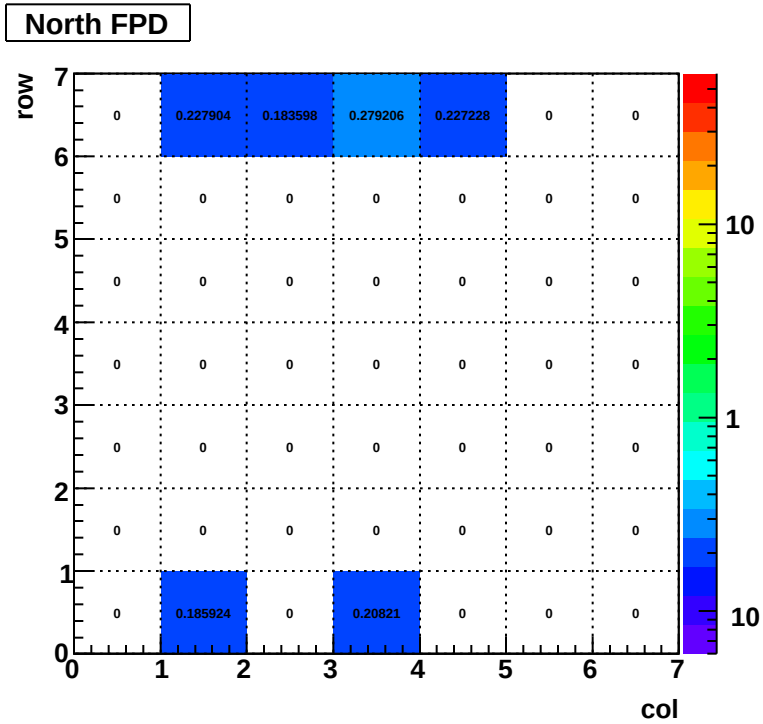
(1) Energy=46.455627 Y=-3.451730 Phi=0.012889

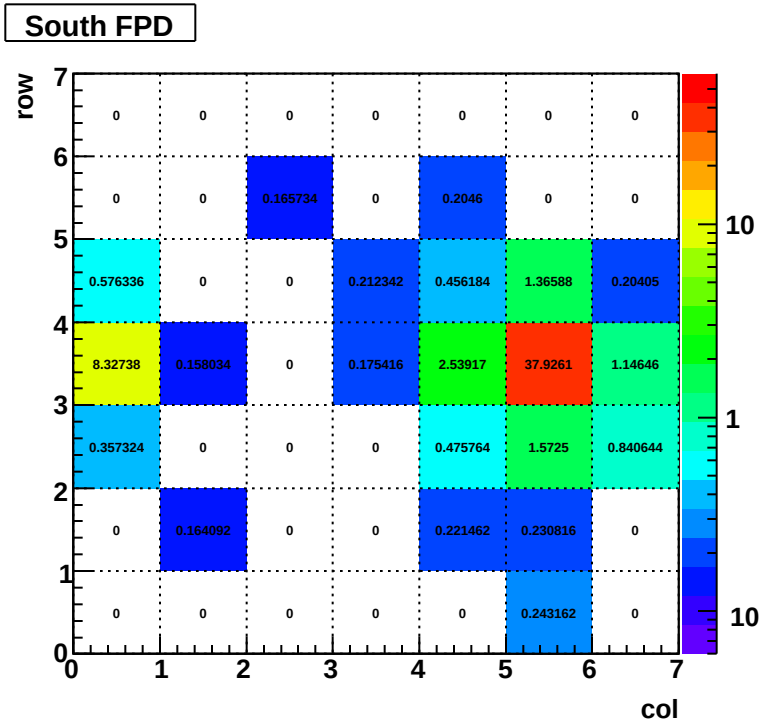
(2) Energy=10.899131 Y=-3.914531 Phi=0.011910

M12=0.528 Y12=-3.525 Phi12=0.013 E12=57.355

SumN(-) = 12 SumN(+)= 26 AN/.6=0.614







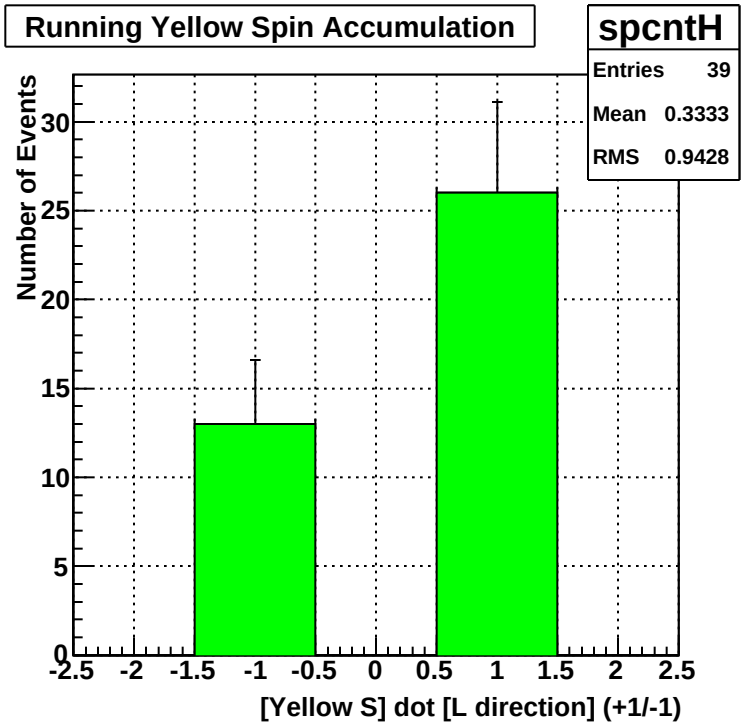
39) Rnum=7118027 EventN=2006492 (1 Yu-S[-])

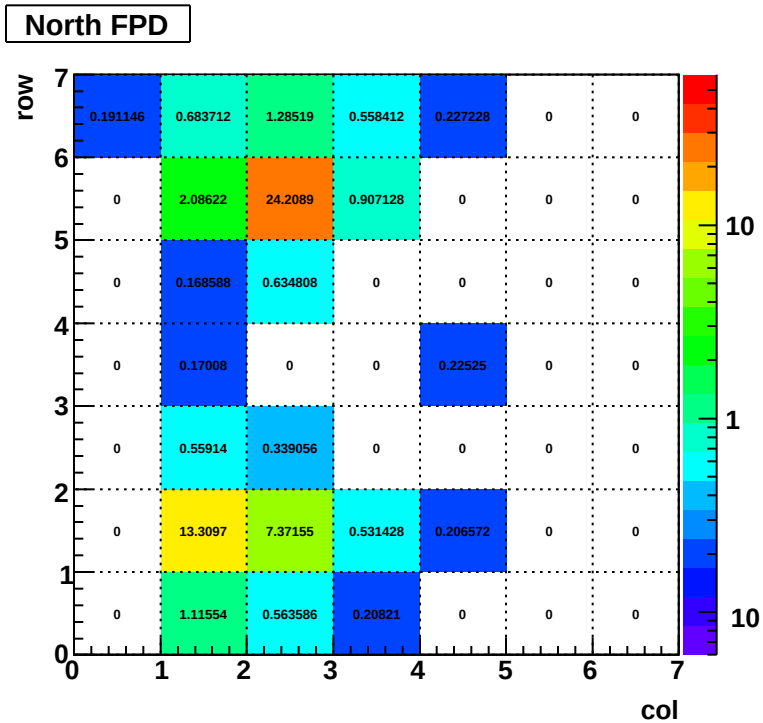
(1) Energy=31.675797 Y=-3.690788 Phi=-2.957933

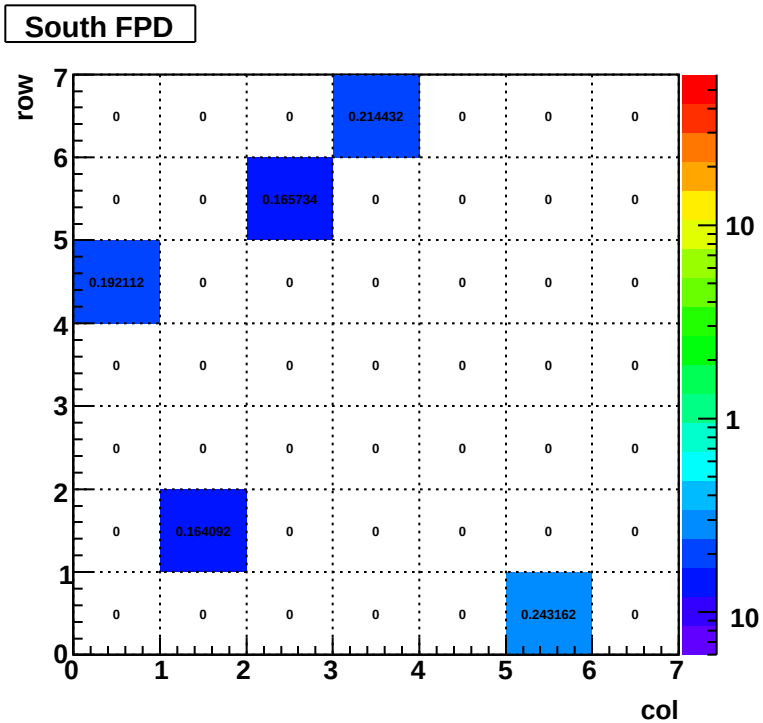
(2) Energy=25.304966 Y=-3.723910 Phi=2.921222

M12=0.559 Y12=-3.726 Phi12=-3.134 E12=56.981

SumN(-) = 13 SumN(+)= 26 AN/.6=0.556







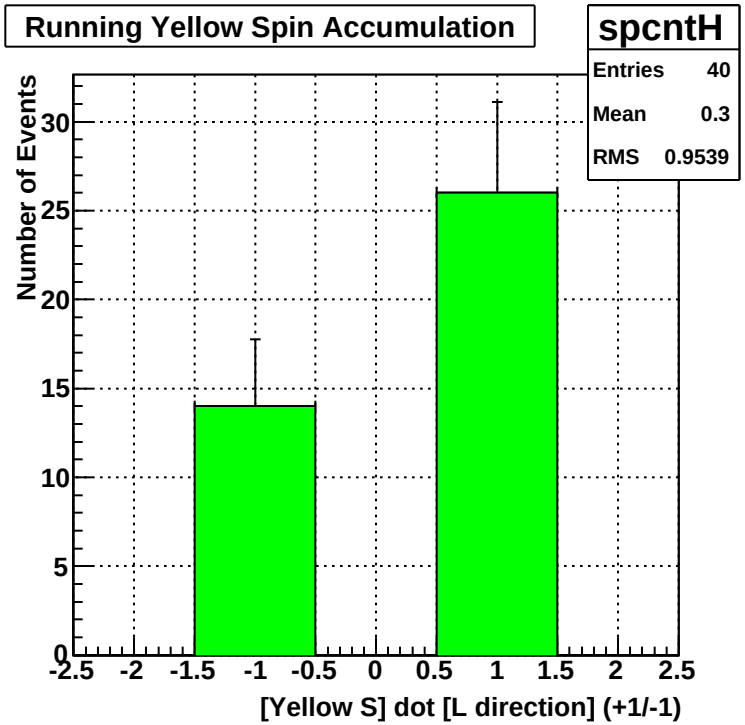
40) Rnum=7118027 EventN=2101509 (3 Yu-S[-])

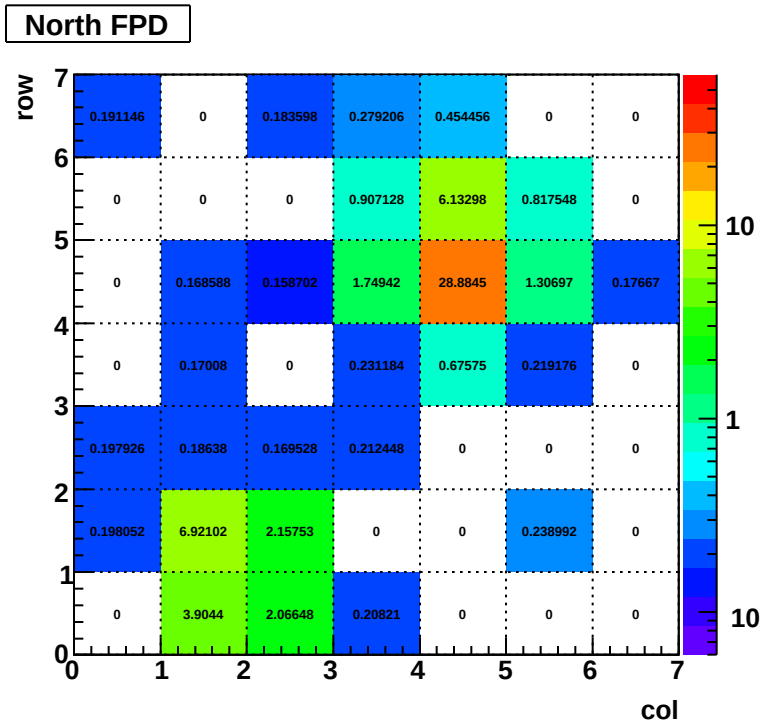
(1) Energy=40.735142 Y=-3.521245 Phi=-3.046843

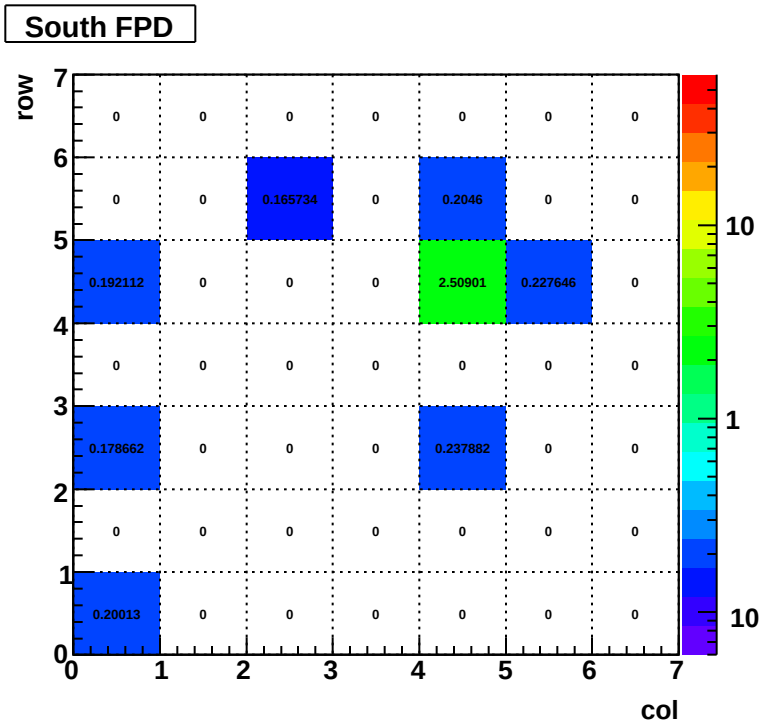
(2) Energy=16.816401 Y=-3.719983 Phi=2.885301

M12=0.563 Y12=-3.587 Phi12=-3.135 E12=57.552

SumN(-) = 14 SumN(+)= 26 AN/.6=0.500







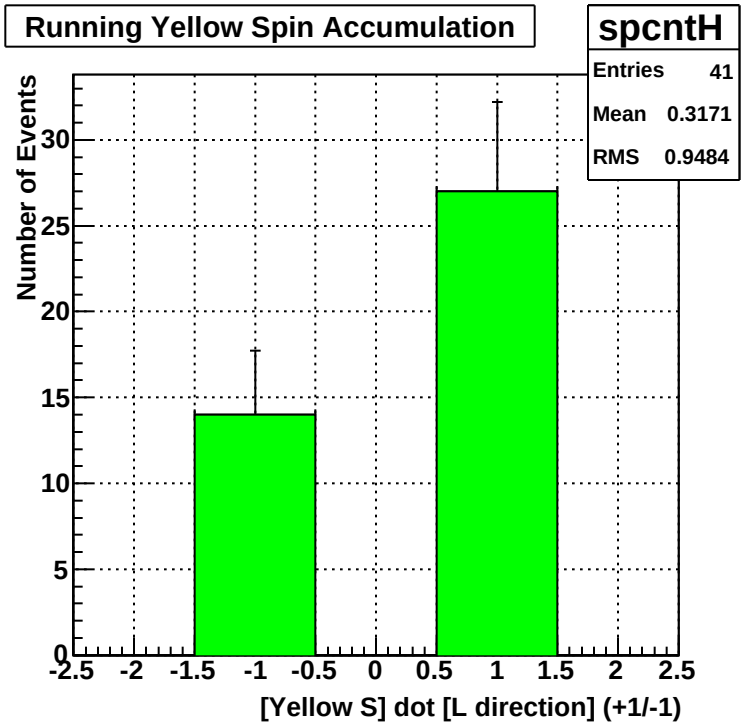
41) Rnum=7118031 EventN=2108747 (2 Yd-S[+])

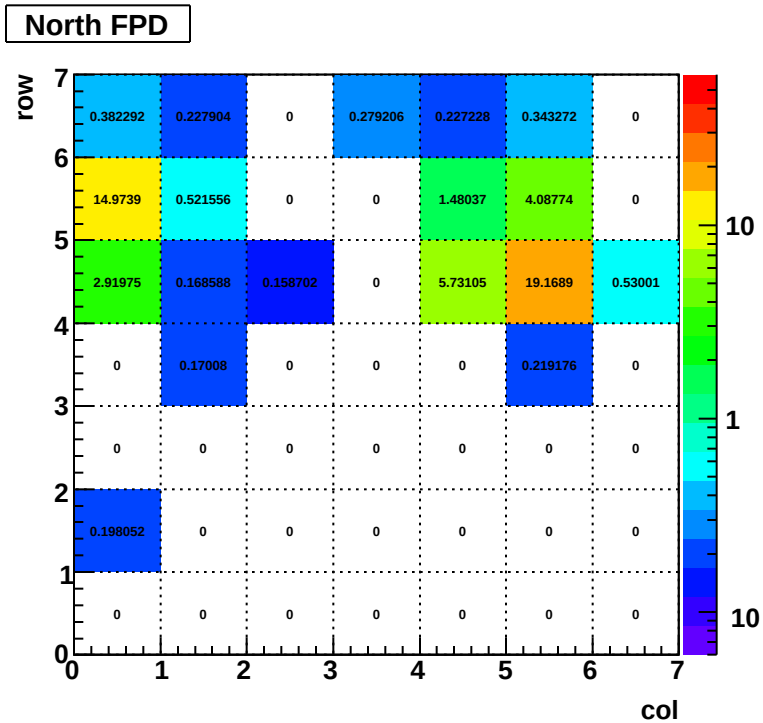
(1) Energy=32.714279 Y=-3.469404 Phi=-3.054018

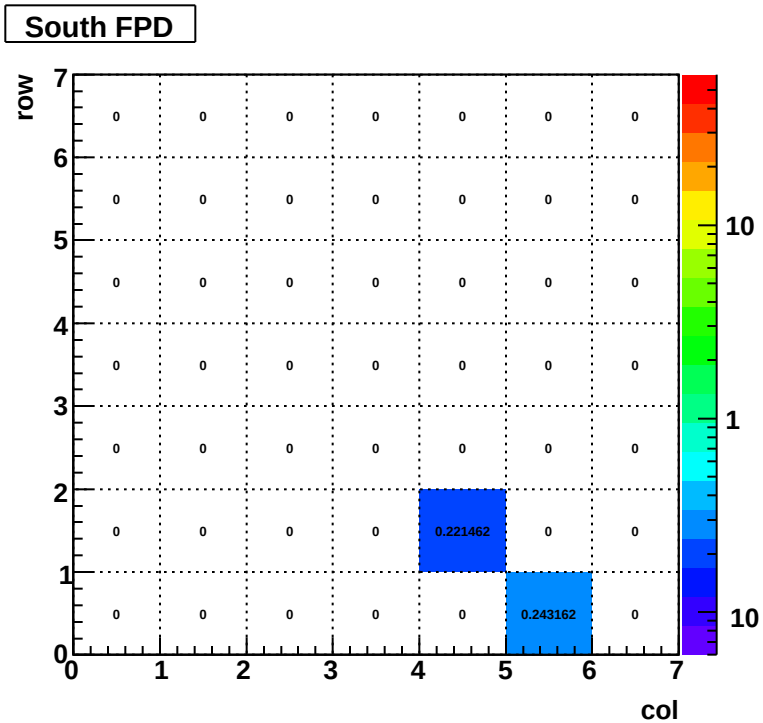
(2) Energy=22.587580 Y=-3.905481 Phi=-2.958922

M12=0.612 Y12=-3.626 Phi12=-3.025 E12=55.302

SumN(-) = 14 SumN(+)= 27 AN/.6=0.528







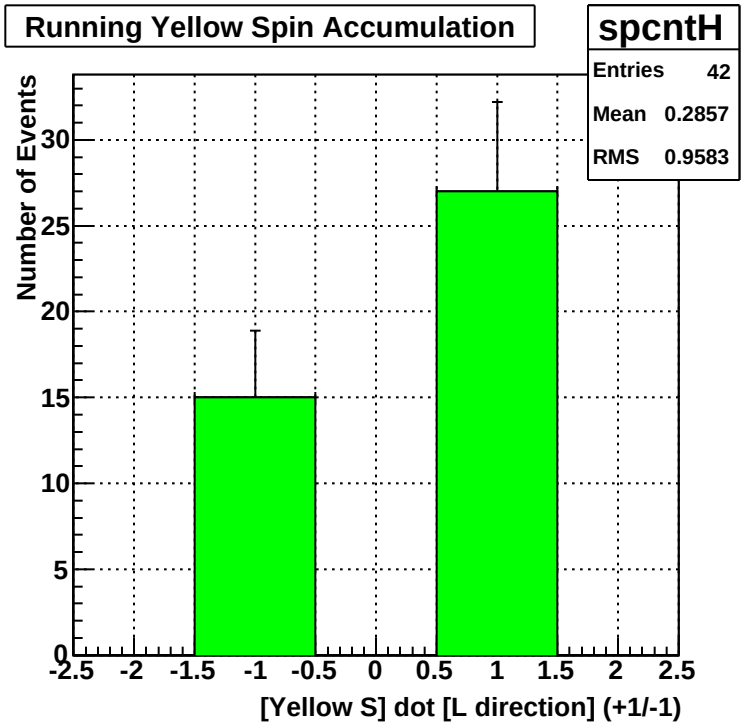
42) Rnum=7118032 EventN=2008894 (1 Yu-S[-])

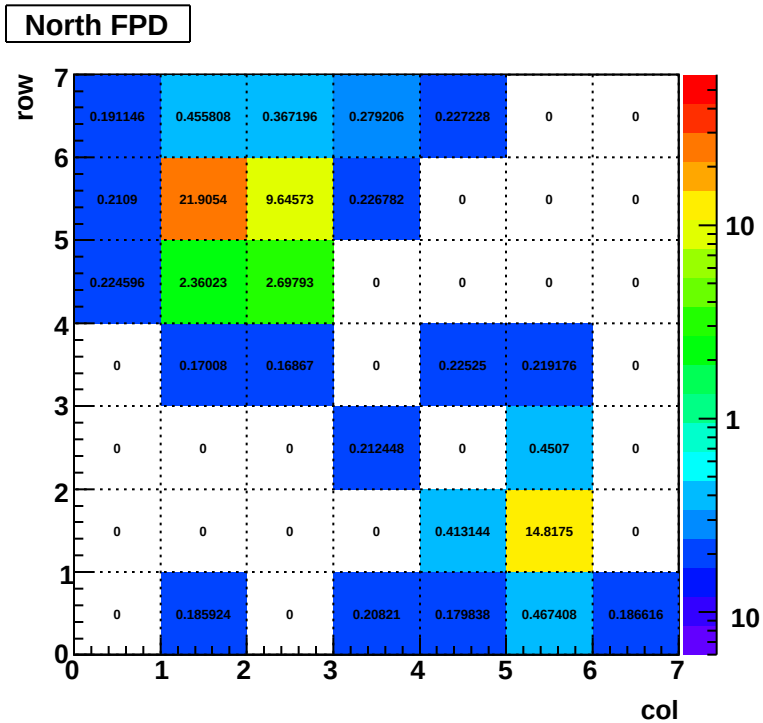
(1) Energy=38.132210 Y=-3.736777 Phi=-2.984262

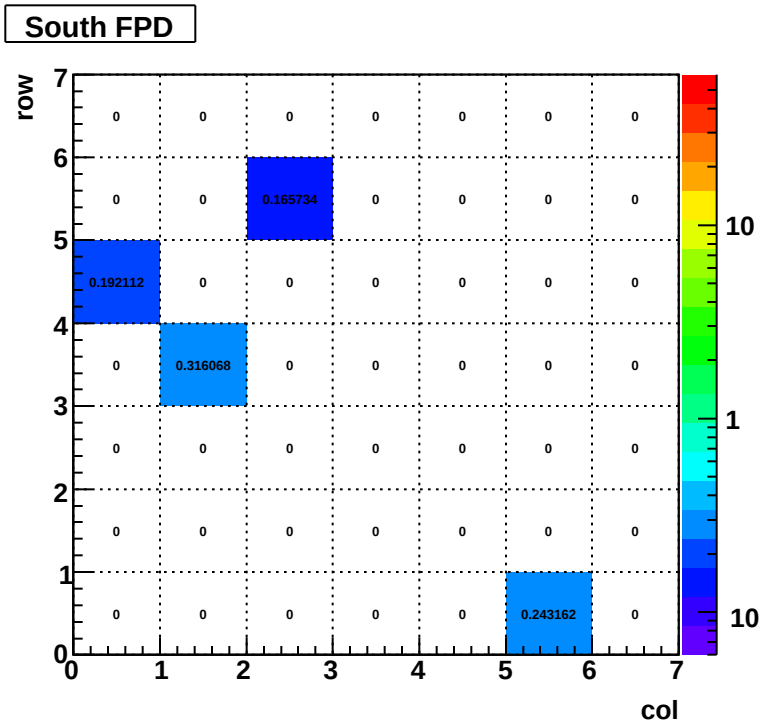
(2) Energy=17.191385 Y=-3.426193 Phi=2.985763

M12=0.628 Y12=-3.641 Phi12=-3.103 E12=55.324

SumN(-) = 15 SumN(+)= 27 AN/.6=0.476







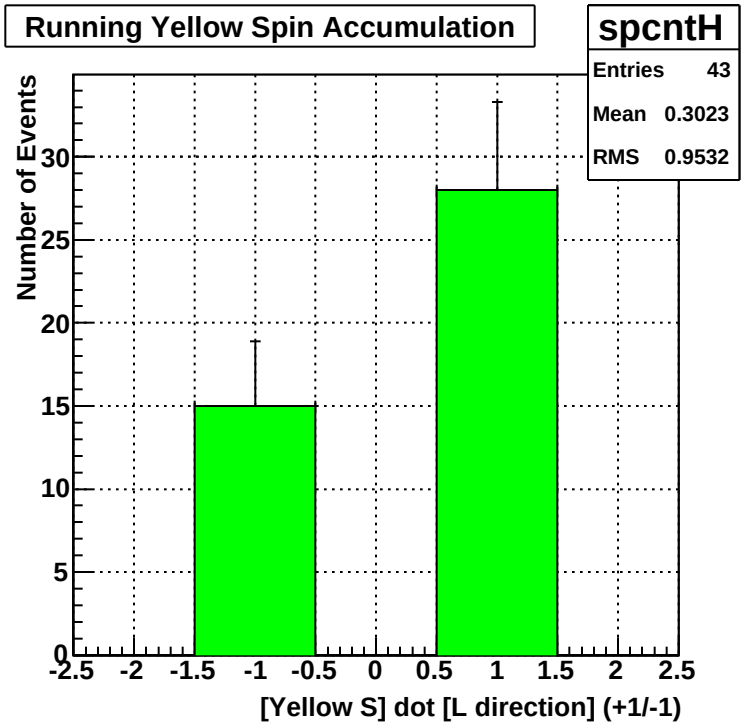
43) Rnum=7118032 EventN=2104660 (3 Yu-N[+])

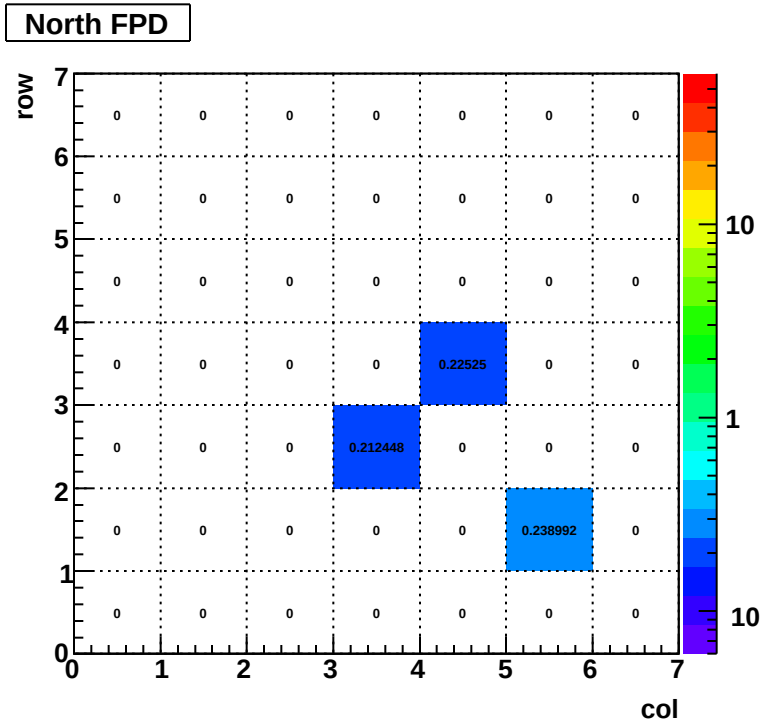
(1) Energy=33.592747 Y=-3.822303 Phi=0.284311

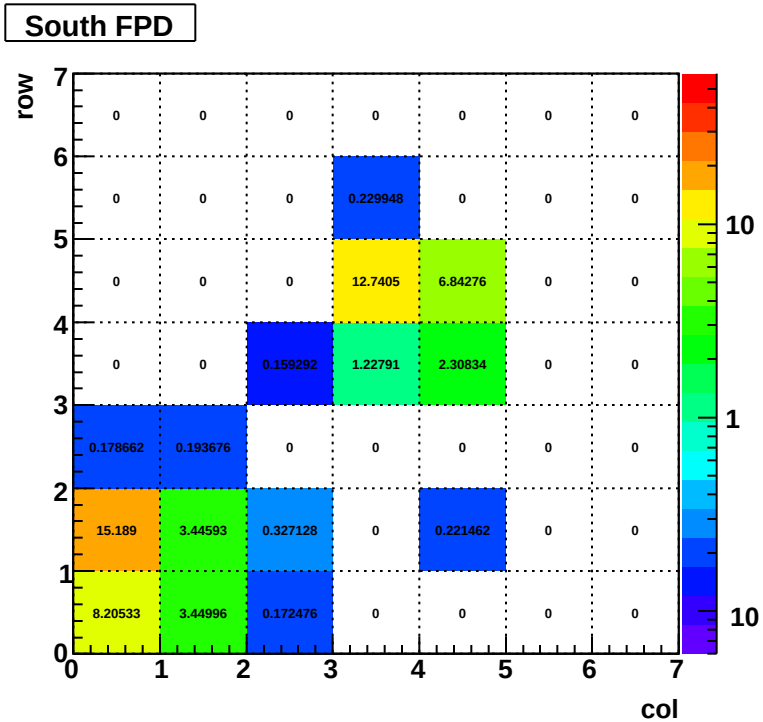
(2) Energy=23.948153 Y=-3.565055 Phi=-0.050487

M12=0.595 Y12=-3.721 Phi12=0.124 E12=57.541

SumN(-) = 15 SumN(+)= 28 AN/.6=0.504







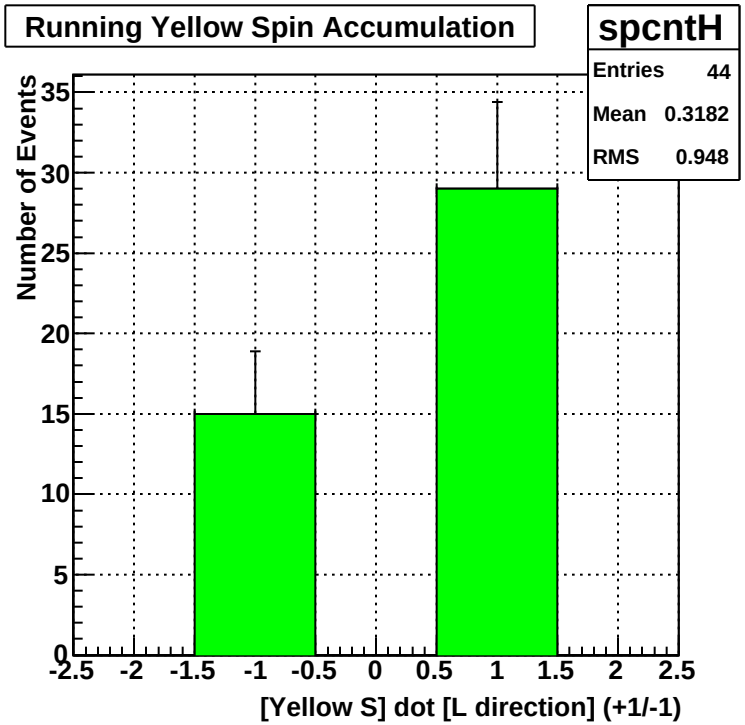
44) Rnum=7118033 EventN=300136 (3 Yu-N[+])

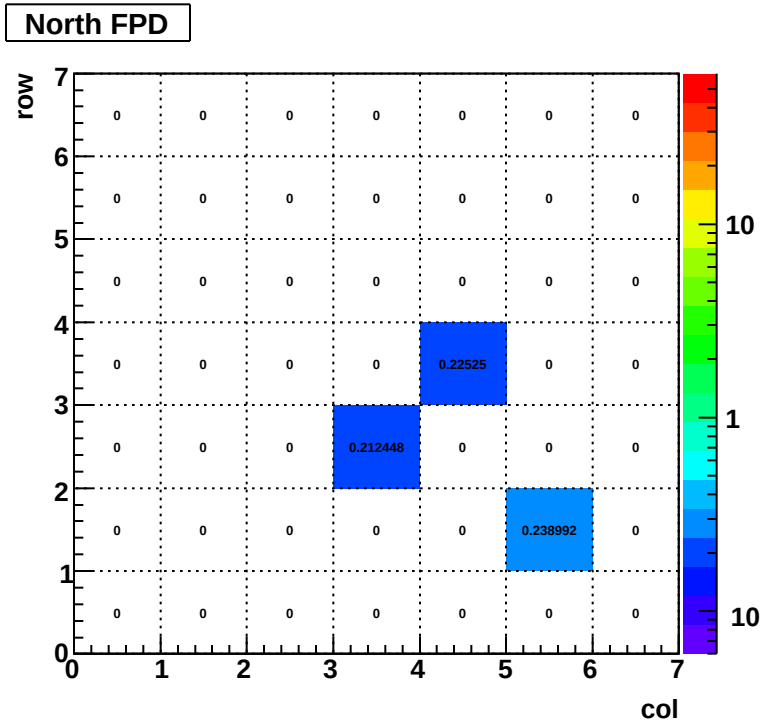
(1) Energy=37.546677 Y=-3.821115 Phi=0.214087

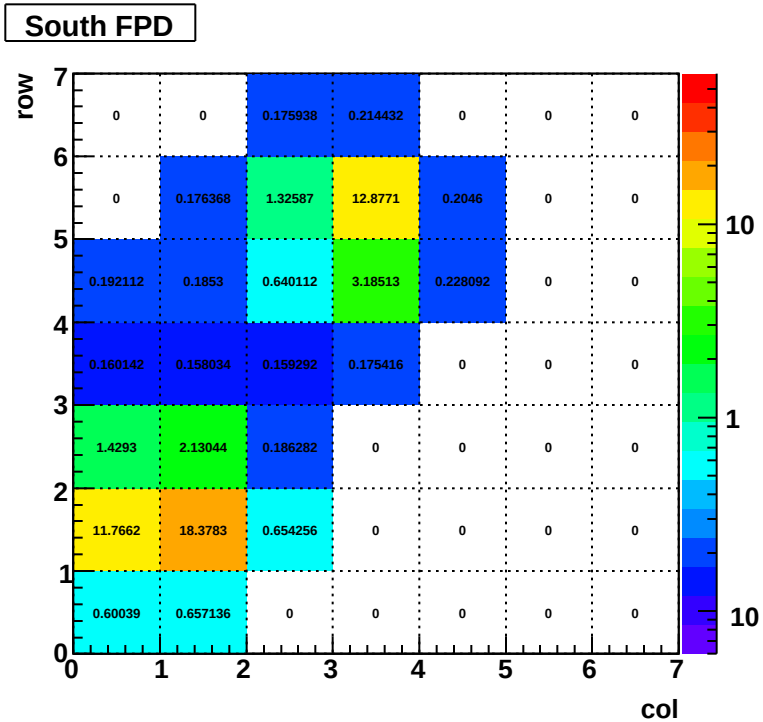
(2) Energy=19.389328 Y=-3.613384 Phi=-0.131101

M12=0.526 Y12=-3.760 Phi12=0.080 E12=56.936

SumN(-) = 15 SumN(+)= 29 AN/.6=0.530







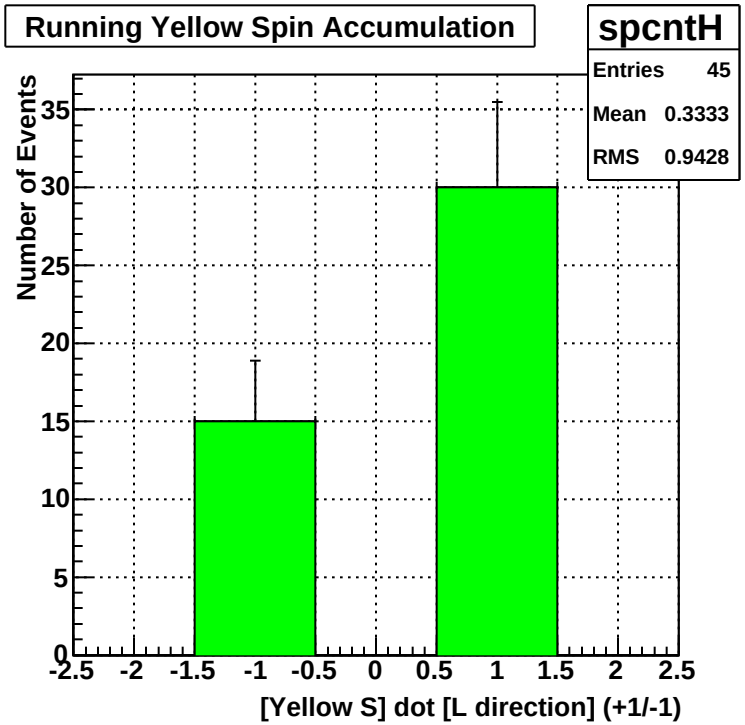
45) Rnum=7118033 EventN=406127 (3 Yu-N[+])

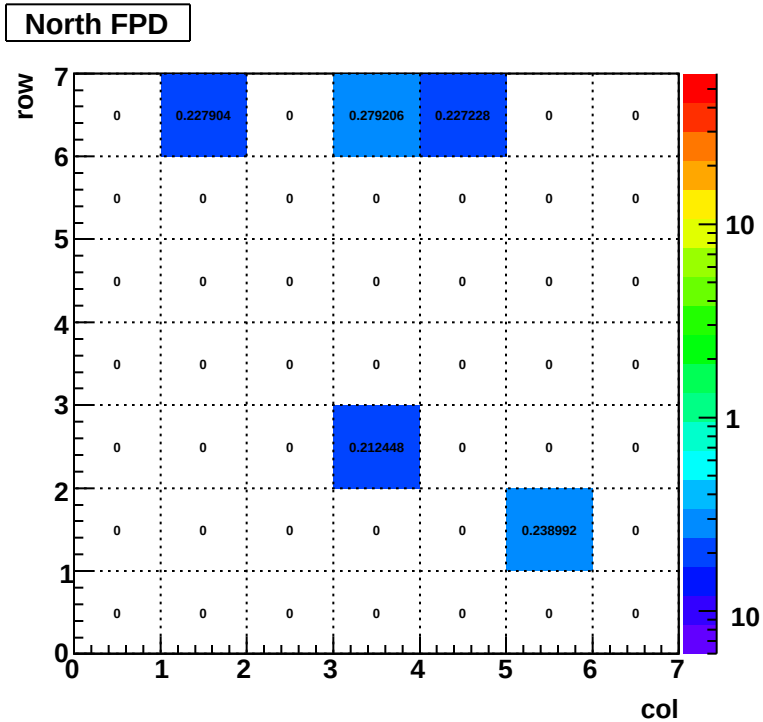
(1) Energy=36.198063 Y=-3.609732 Phi=-0.104283

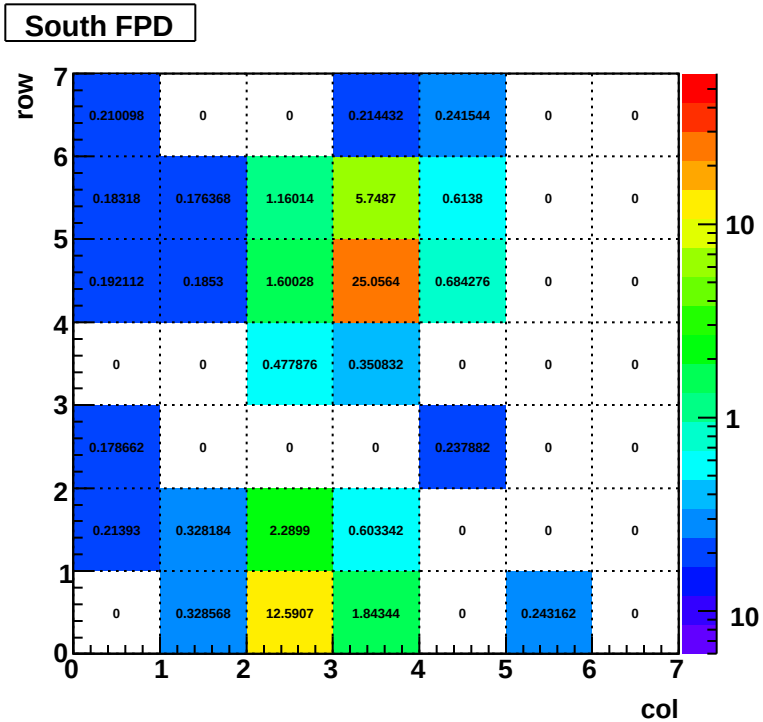
(2) Energy=19.427694 Y=-3.640165 Phi=0.258505

M12=0.512 Y12=-3.635 Phi12=0.019 E12=55.626

SumN(-) = 15 SumN(+)= 30 AN/.6=0.556







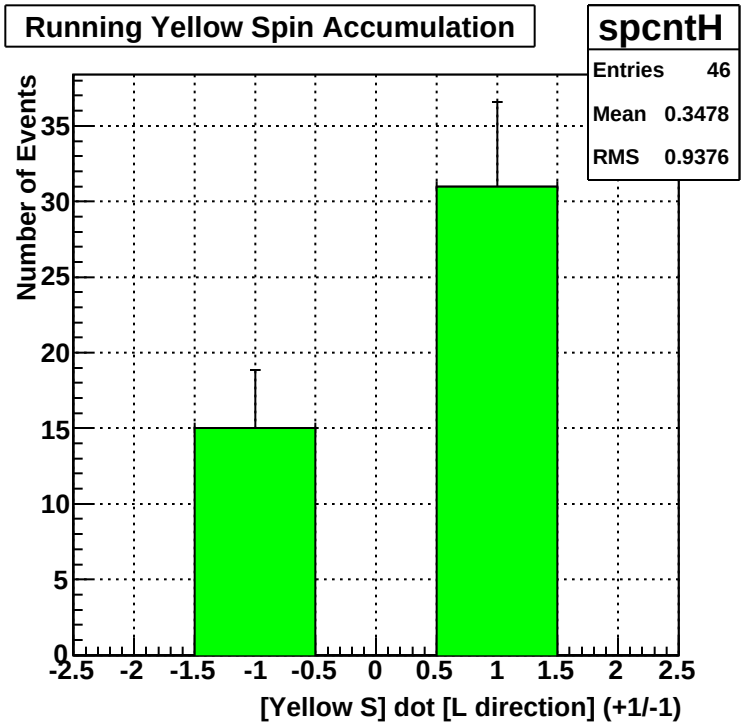
46) Rnum=7118035 EventN=3000035 (1 Yu-N[+])

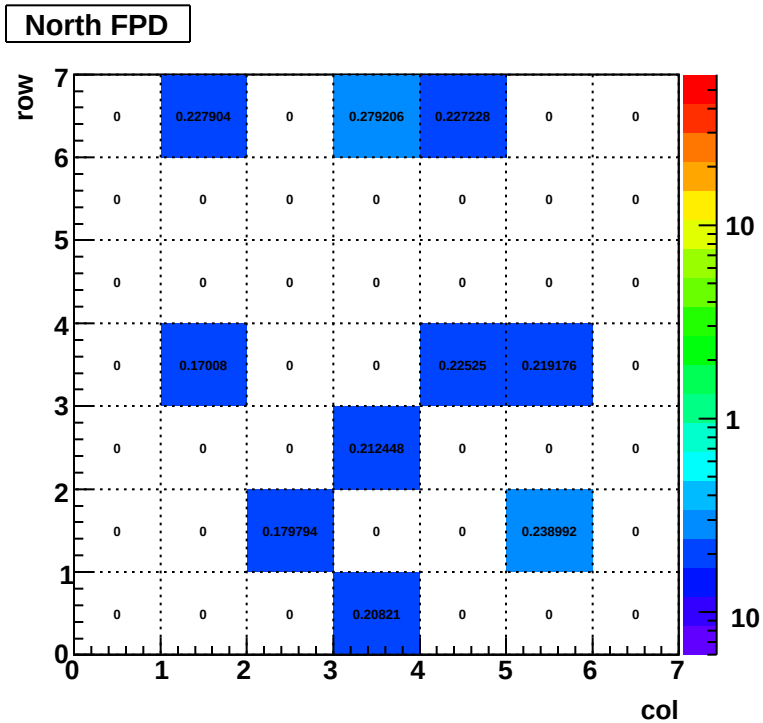
(1) Energy=41.021187 Y=-3.884732 Phi=0.004370

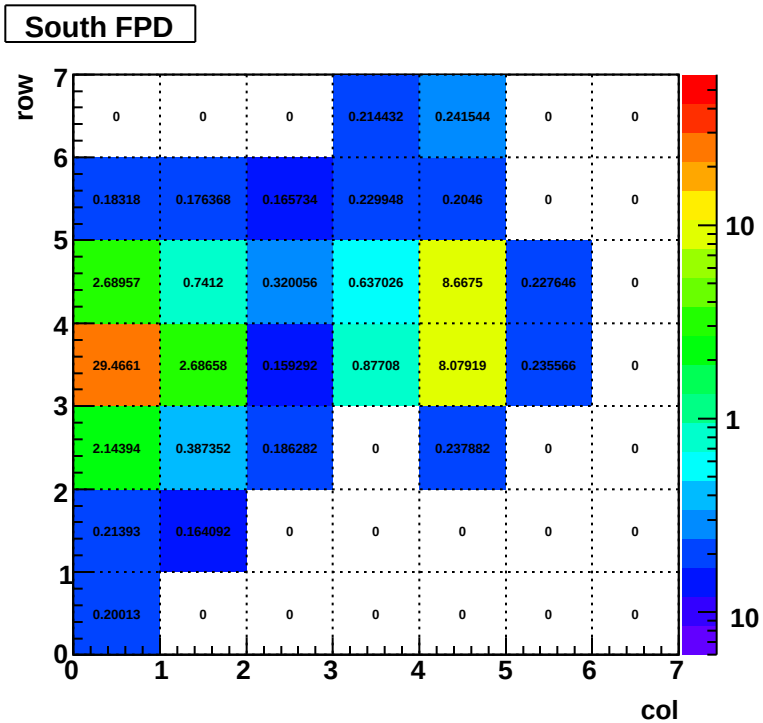
(2) Energy=18.848793 Y=-3.533021 Phi=-0.029112

M12=0.484 Y12=-3.760 Phi12=-0.009 E12=59.870

SumN(-) = 15 SumN(+)= 31 AN/.6=0.580







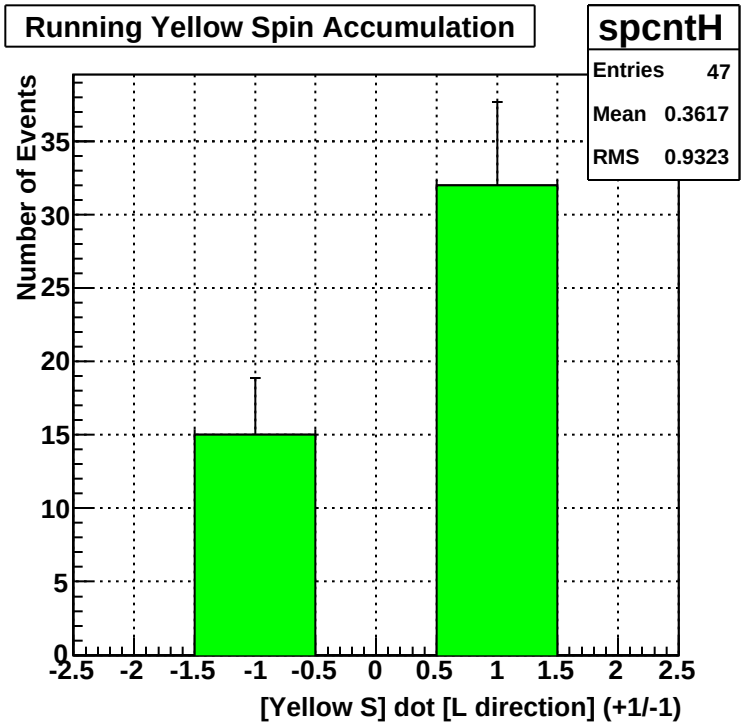
47) Rnum=7118035 EventN=4901796 (0 Yd-S[+])

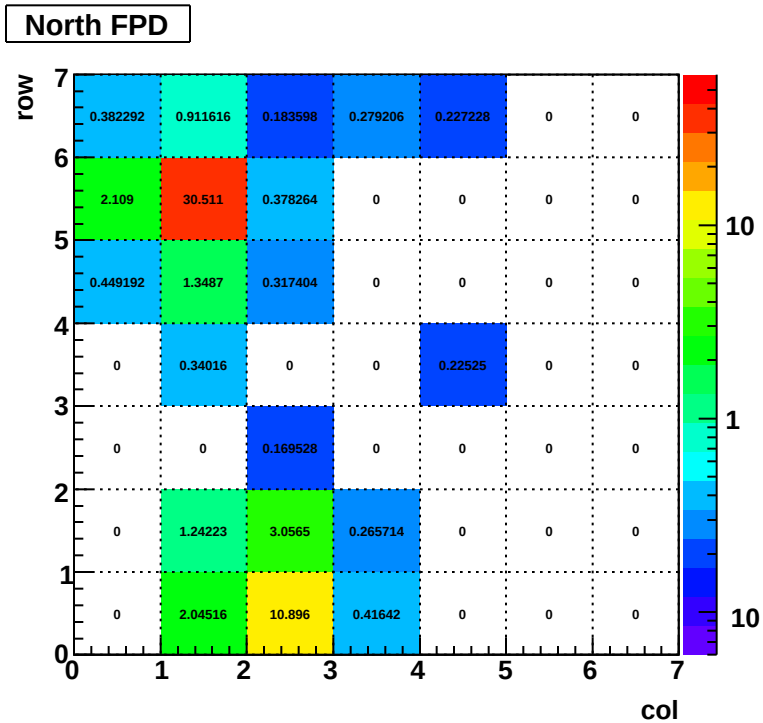
(1) Energy=36.417332 Y=-3.793385 Phi=-2.952159

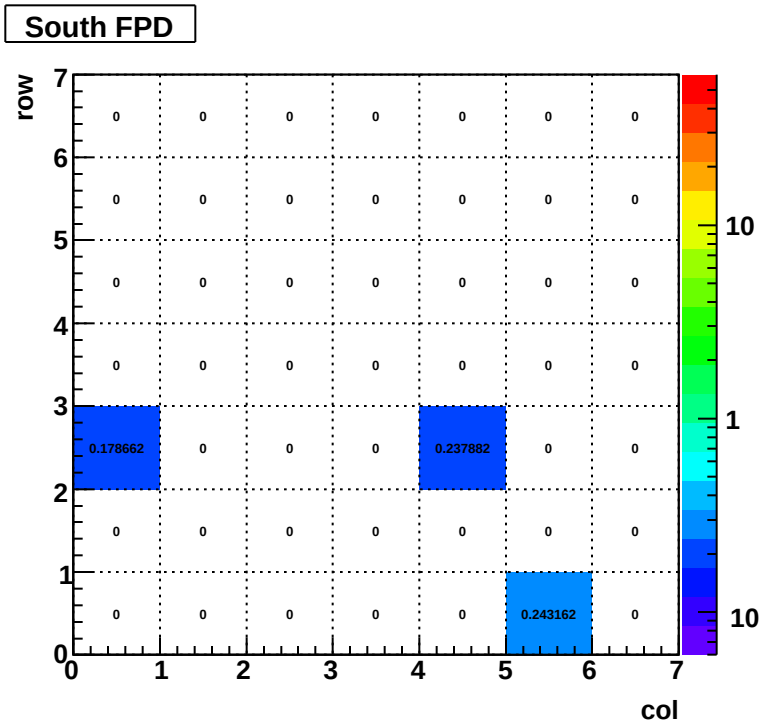
(2) Energy=19.644159 Y=-3.690398 Phi=2.877174

M12=0.585 Y12=-3.780 Phi12=-3.121 E12=56.061

SumN(-) = 15 SumN(+)= 32 AN/.6=0.603







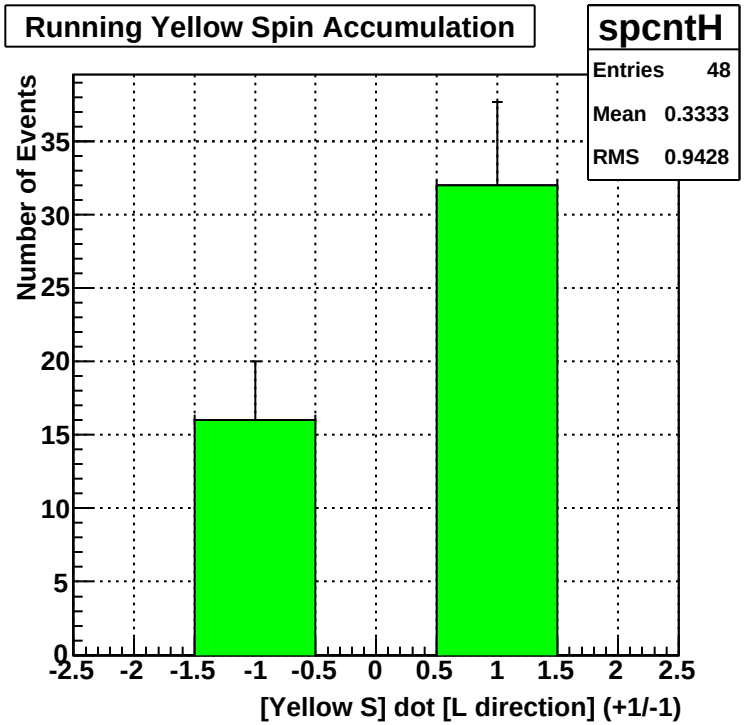
48) Rnum=7118035 EventN=7002054 (0 Yd-N[-])

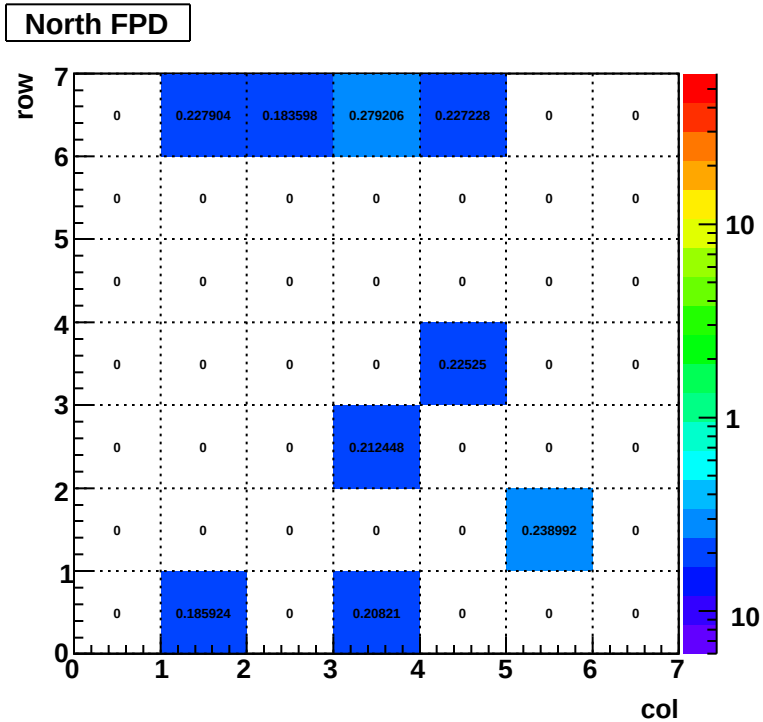
(1) Energy=31.324921 Y=-3.640824 Phi=0.114566

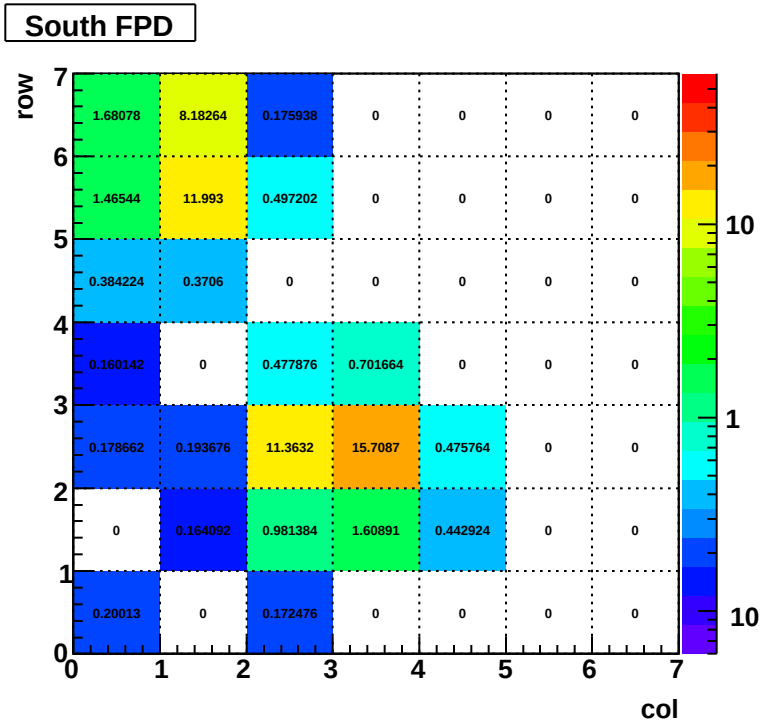
(2) Energy=25.496078 Y=-3.790211 Phi=-0.244476

M12=0.532 Y12=-3.721 Phi12=-0.033 E12=56.821

SumN(-) = 16 SumN(+)= 32 AN/.6=0.556







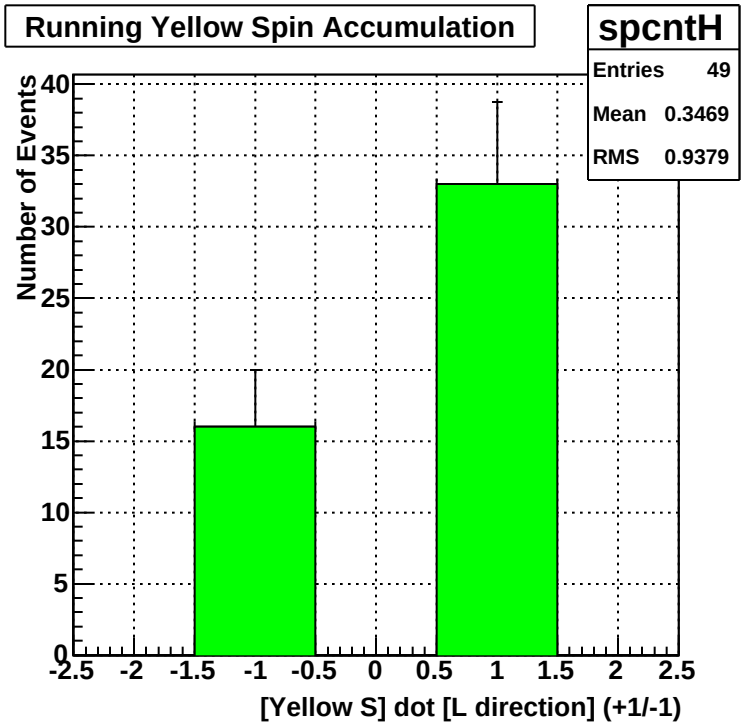
49) Rnum=7118035 EventN=401231 (1 Yu-N[+])

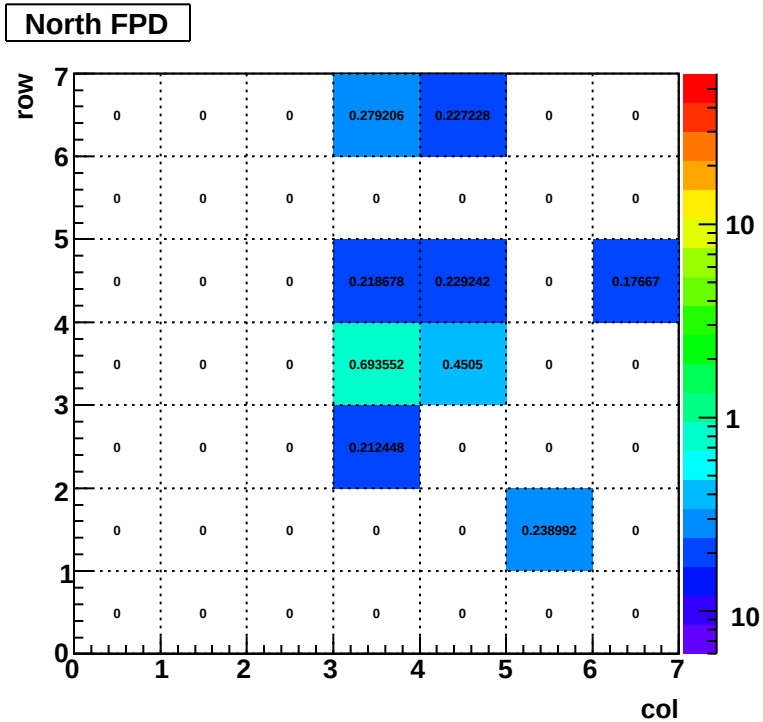
(1) Energy=40.550171 Y=-3.851485 Phi=0.081734

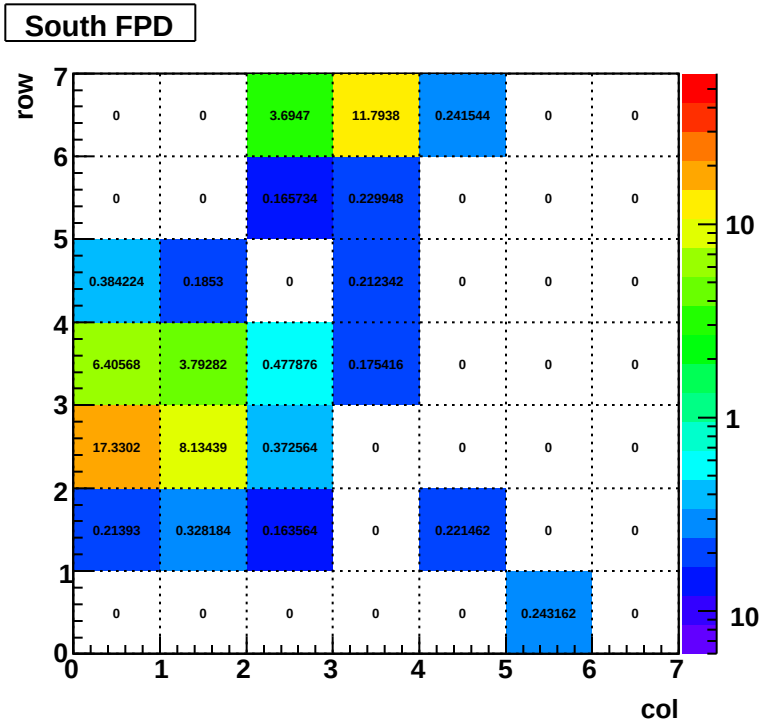
(2) Energy=18.632999 Y=-3.604033 Phi=-0.265435

M12=0.562 Y12=-3.781 Phi12=-0.046 E12=59.183

SumN(-) = 16 SumN(+)= 33 AN/.6=0.578







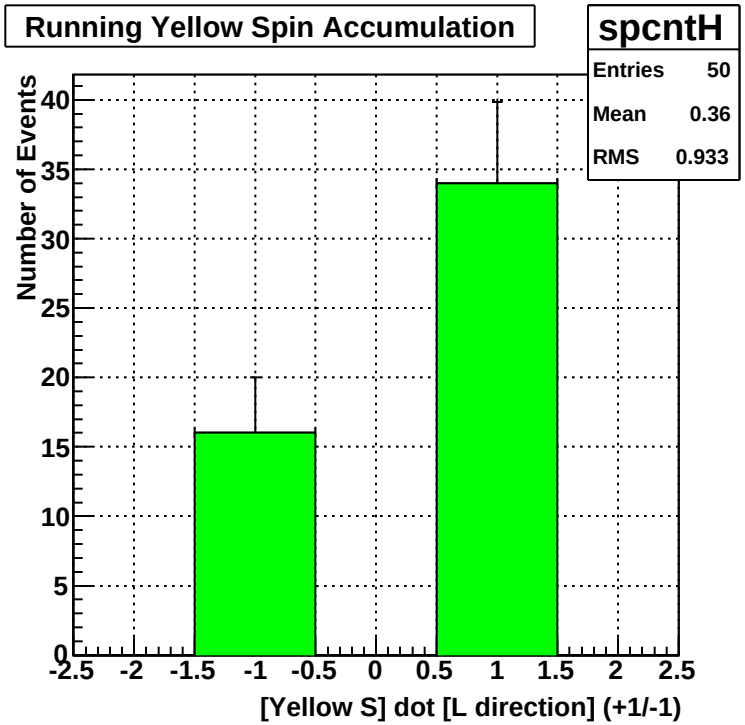
50) Rnum=7118035 EventN=1104969 (2 Yd-S[+])

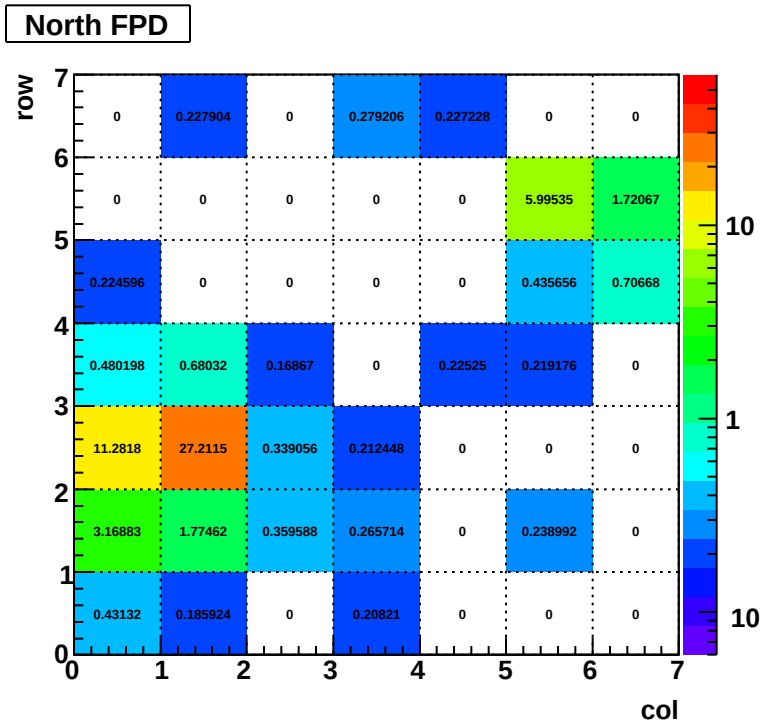
(1) Energy=46.950737 Y=-3.829666 Phi=2.996770

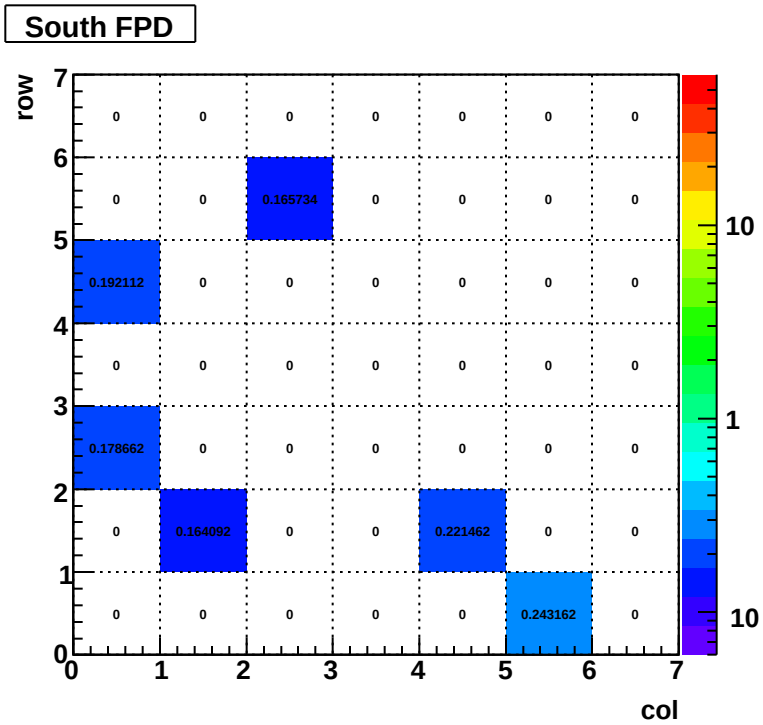
(2) Energy=8.519713 Y=-3.410546 Phi=-3.025545

M12=0.531 Y12=-3.759 Phi12=3.053 E12=55.470

SumN(-) = 16 SumN(+)= 34 AN/.6=0.600







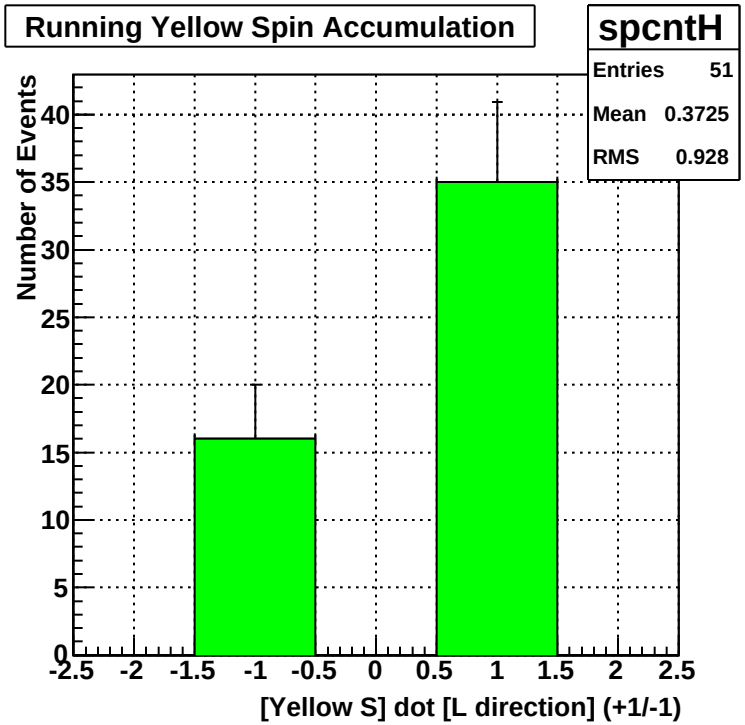
51) Rnum=7118035 EventN=1602227 (1 Yu-N[+])

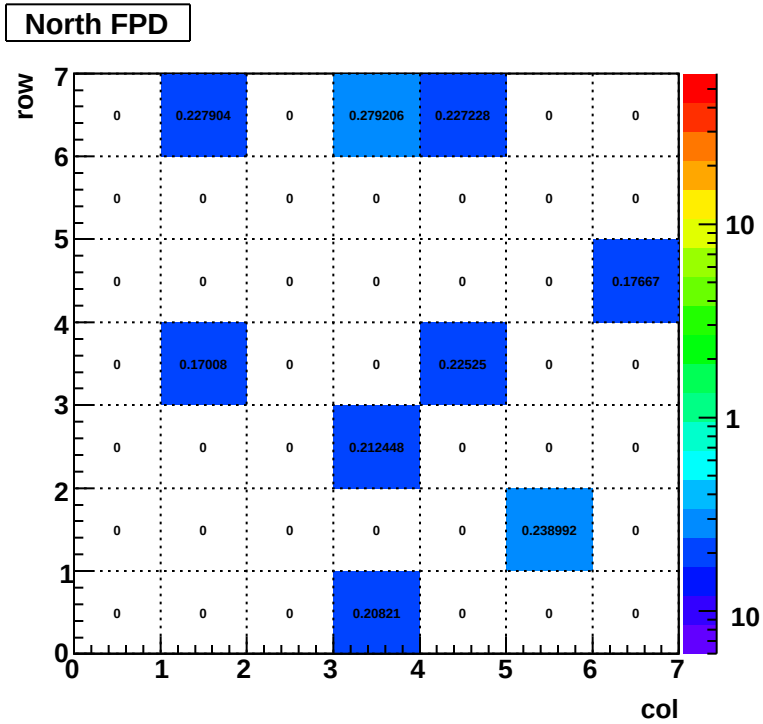
(1) Energy=24.622072 Y=-3.803584 Phi=0.050538

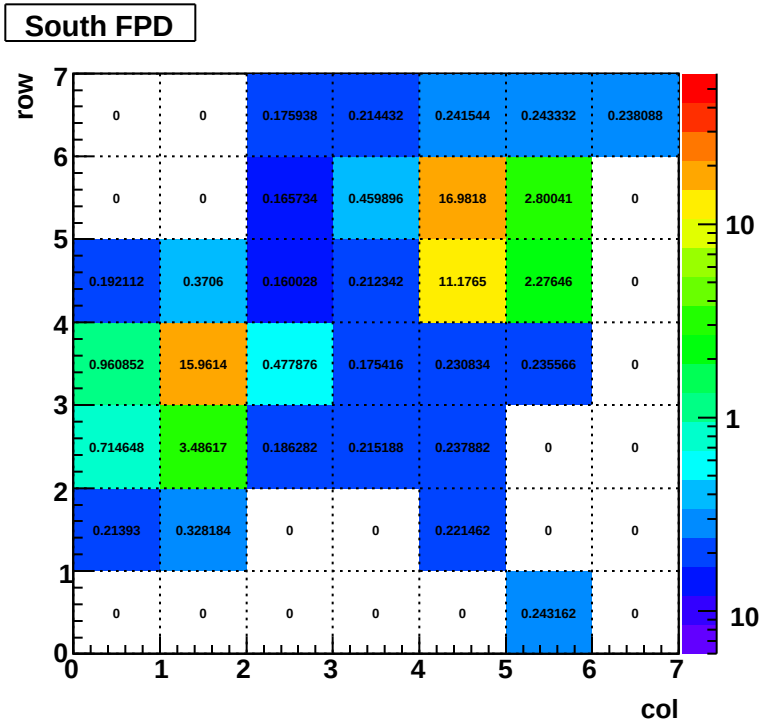
(2) Energy=35.141975 Y=-3.494177 Phi=-0.107392

M12=0.533 Y12=-3.613 Phi12=-0.054 E12=59.764

SumN(-) = 16 SumN(+)= 35 AN/.6=0.621







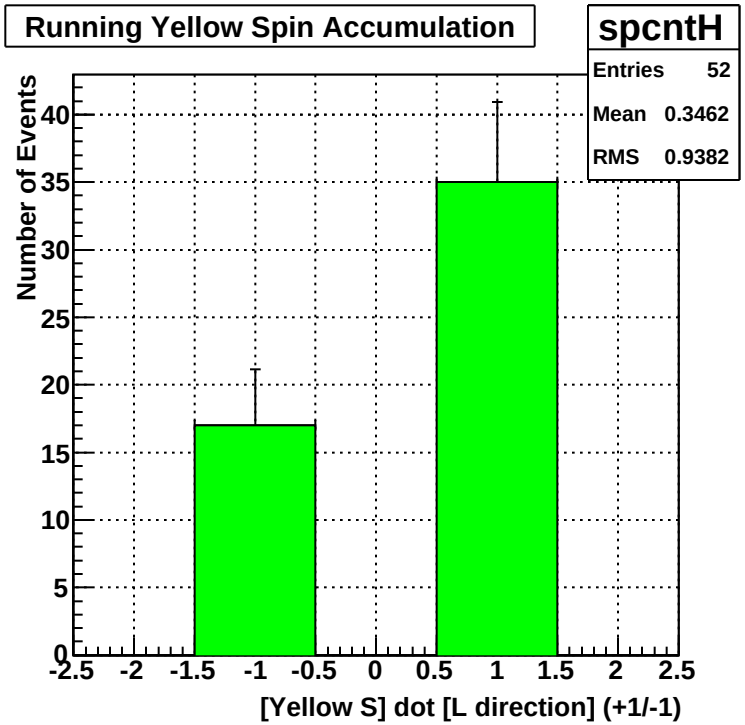
52) Rnum=7118035 EventN=2707663 (2 Yd-N[-])

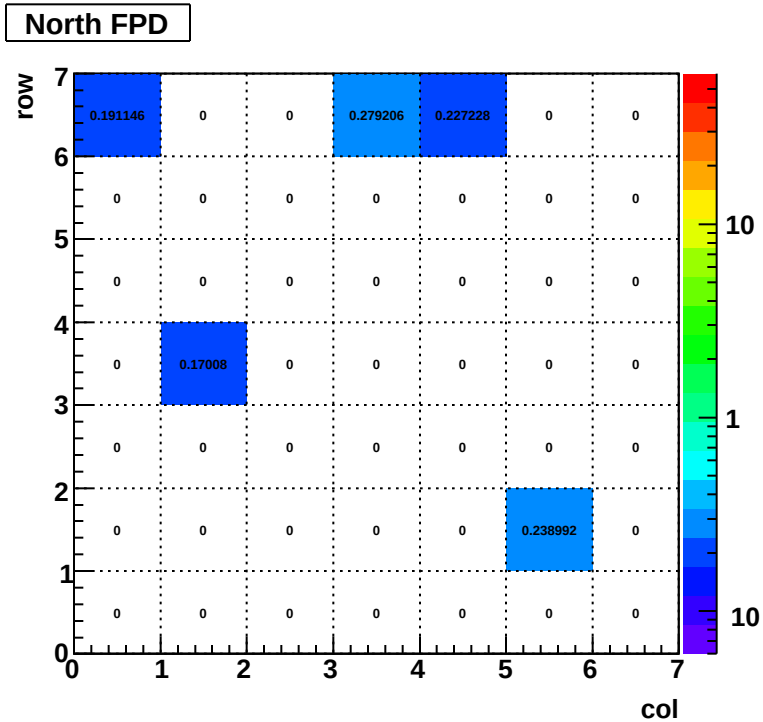
(1) Energy=39.407490 Y=-3.793932 Phi=-0.199813

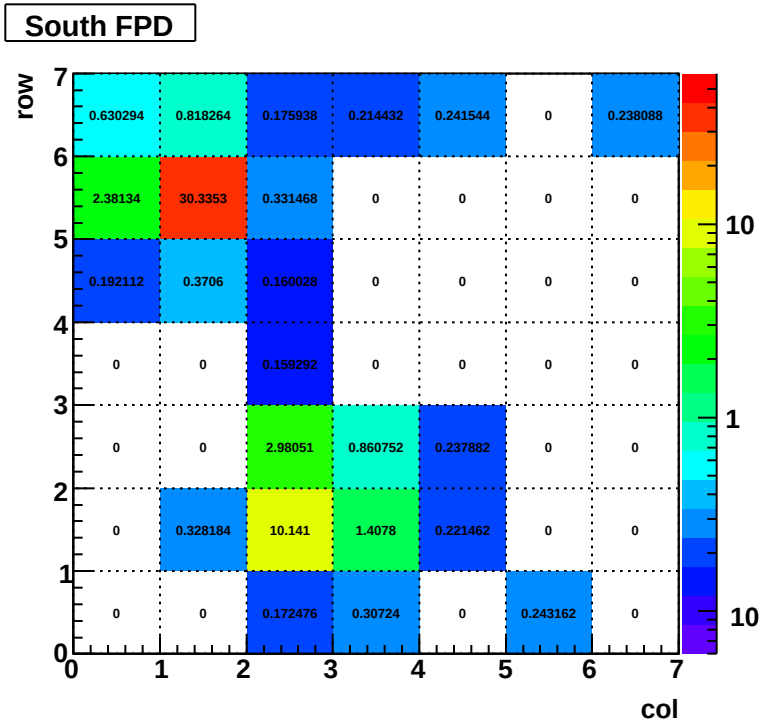
(2) Energy=16.703987 Y=-3.658198 Phi=0.161664

M12=0.475 Y12=-3.766 Phi12=-0.082 E12=56.111

SumN(-) = 17 SumN(+)= 35 AN/.6=0.577







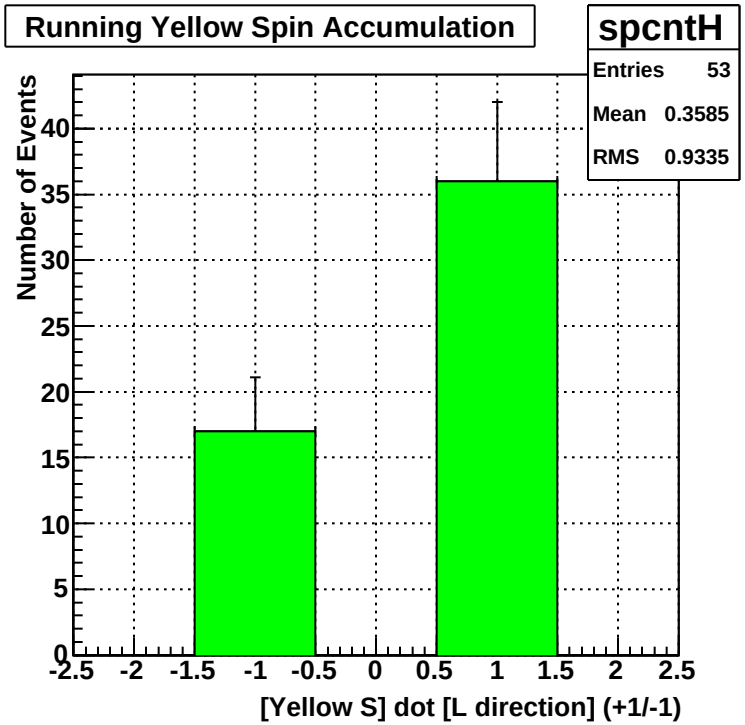
53) Rnum=7118038 EventN=3102940 (1 Yu-N[+])

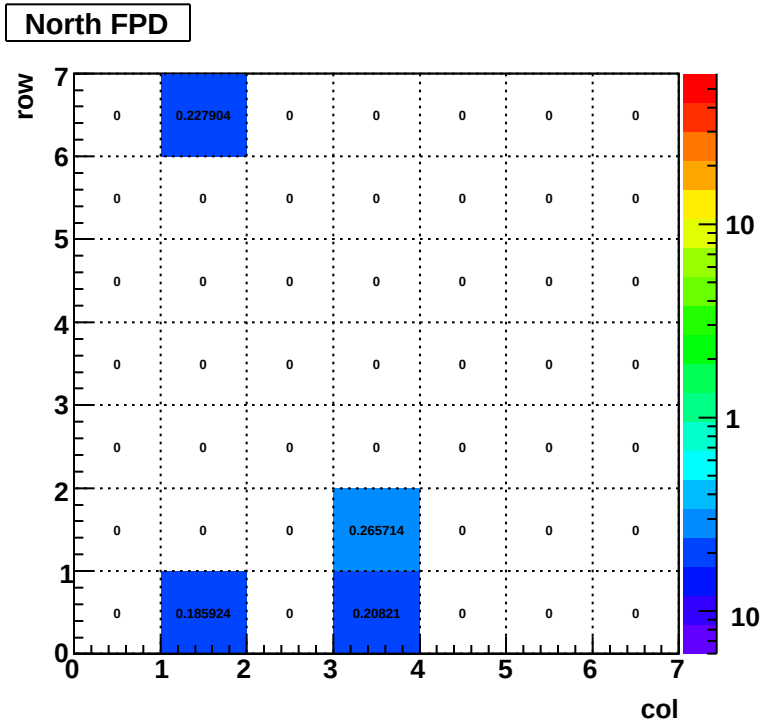
(1) Energy=36.816612 Y=-3.605711 Phi=-0.150070

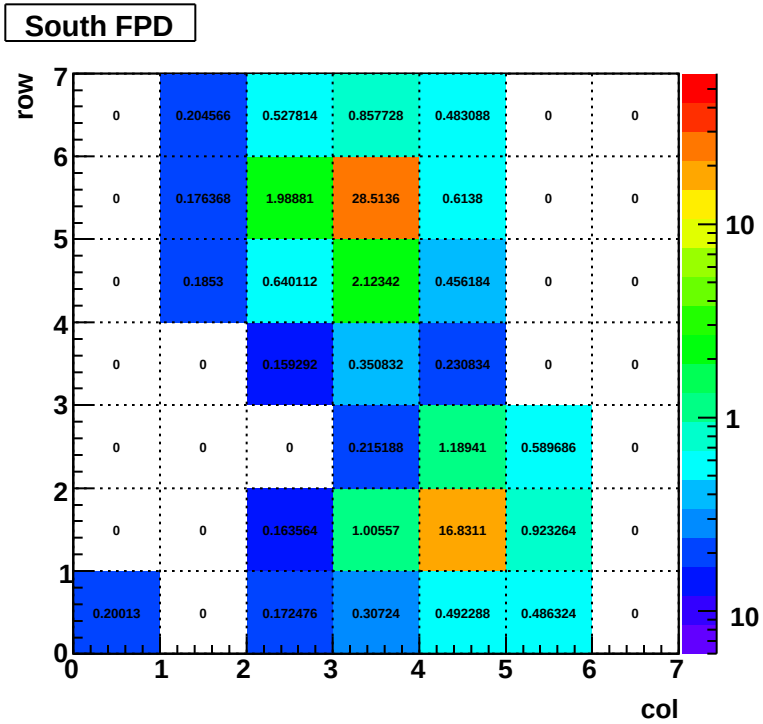
(2) Energy=21.179422 Y=-3.507602 Phi=0.160993

M12=0.518 Y12=-3.580 Phi12=-0.030 E12=57.996

SumN(-) = 17 SumN(+)= 36 AN/.6=0.597







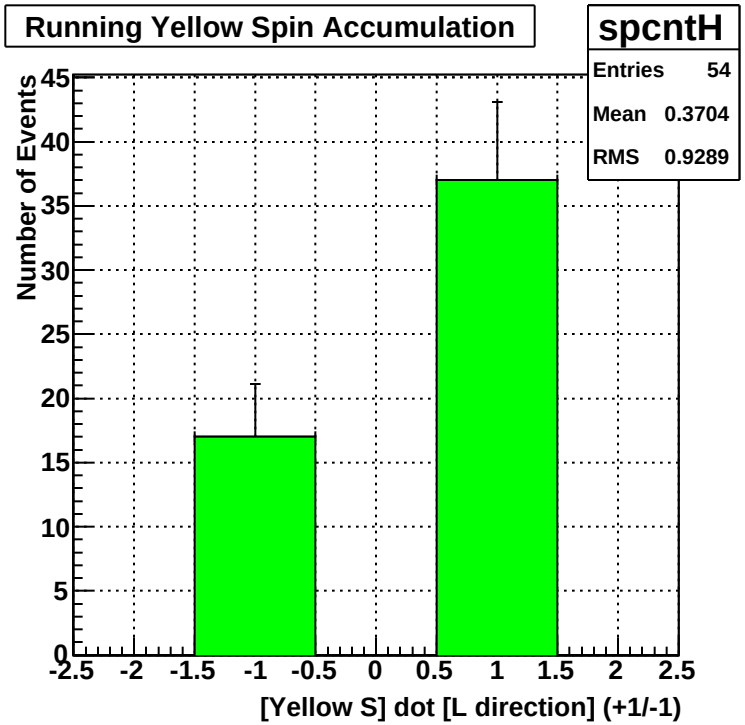
54) Rnum=7118038 EventN=3109584 (0 Yd-S[+])

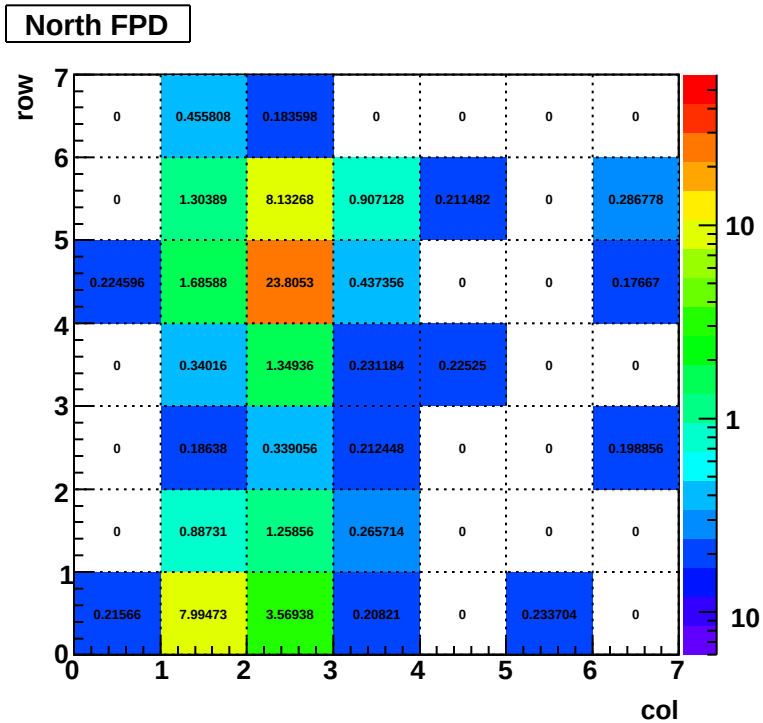
(1) Energy=40.758152 Y=-3.700228 Phi=-3.023152

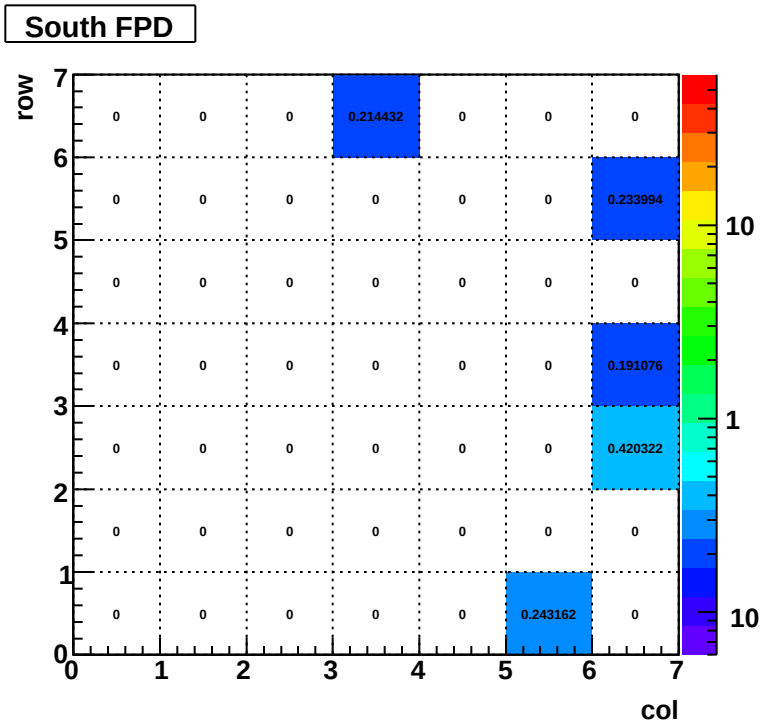
(2) Energy=15.376907 Y=-3.709619 Phi=2.860551

M12=0.489 Y12=-3.719 Phi12=-3.131 E12=56.135

SumN(-) = 17 SumN(+)= 37 AN/.6=0.617







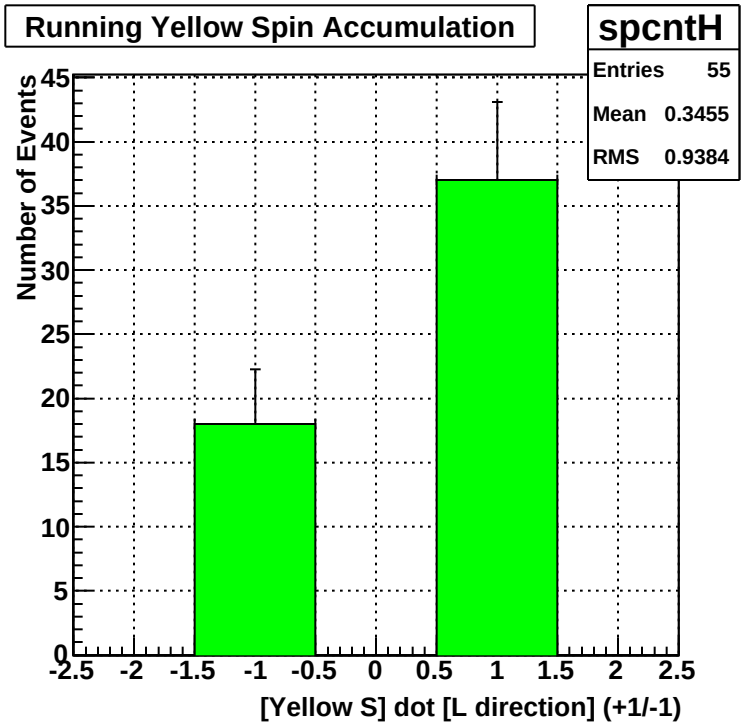
55) Rnum=7118038 EventN=3203395 (0 Yd-N[-])

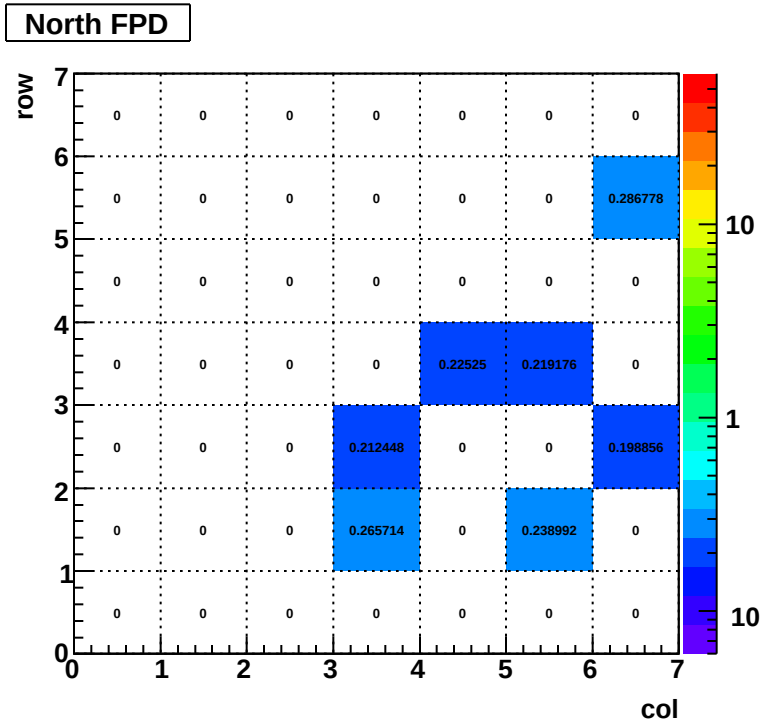
(1) Energy=37.008797 Y=-3.917425 Phi=-0.114960

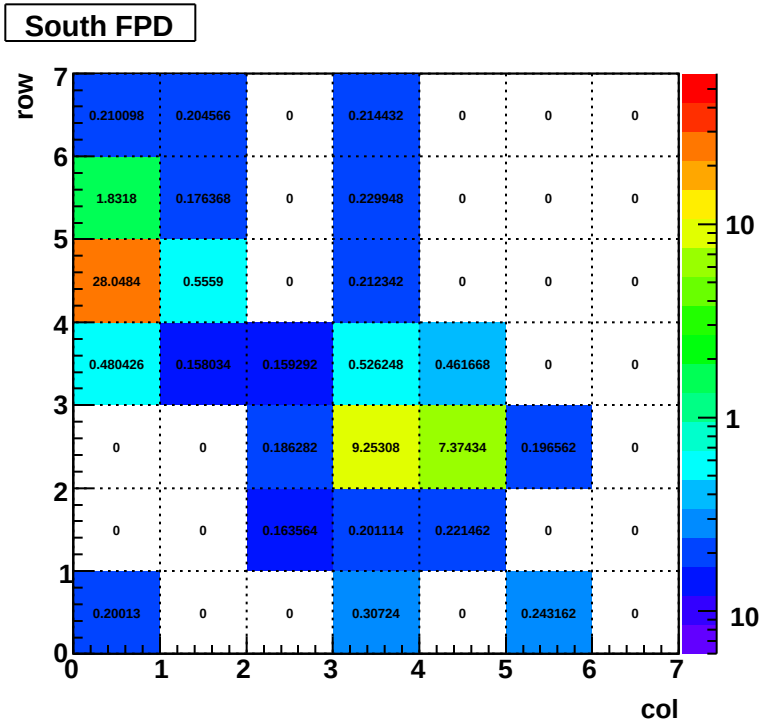
(2) Energy=18.282513 Y=-3.559585 Phi=0.088865

M12=0.511 Y12=-3.789 Phi12=-0.031 E12=55.291

SumN(-) = 18 SumN(+)= 37 AN/.6=0.576







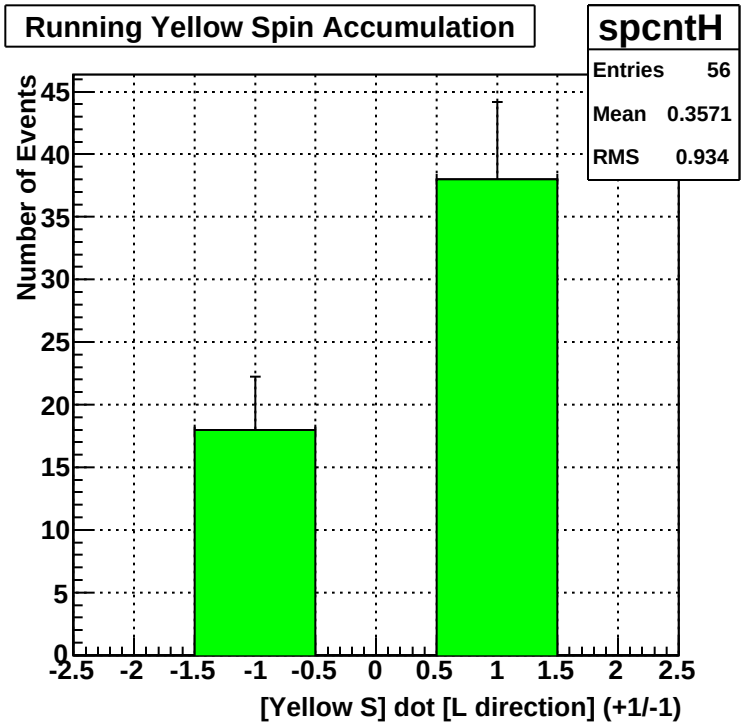
56) Rnum=7118038 EventN=401891 (2 Yd-S[+])

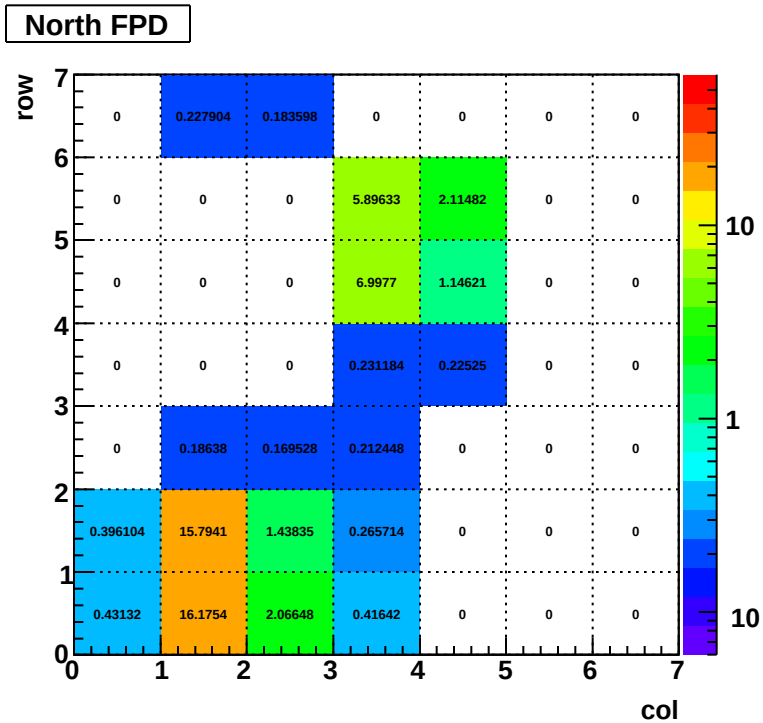
(1) Energy=39.787540 Y=-3.740115 Phi=2.875815

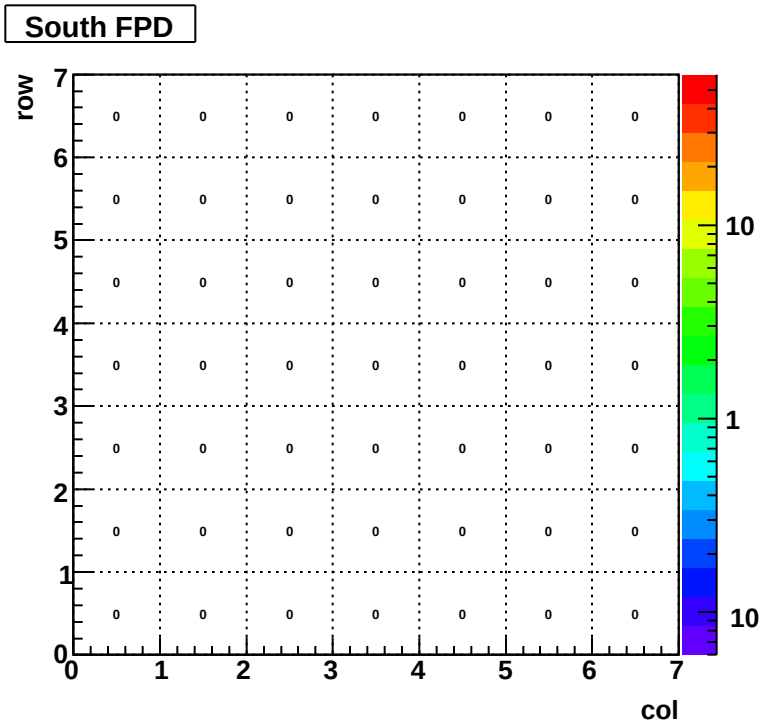
(2) Energy=16.985382 Y=-3.570586 Phi=-3.029061

M12=0.554 Y12=-3.702 Phi12=3.002 E12=56.773

SumN(-) = 18 SumN(+)= 38 AN/.6=0.595







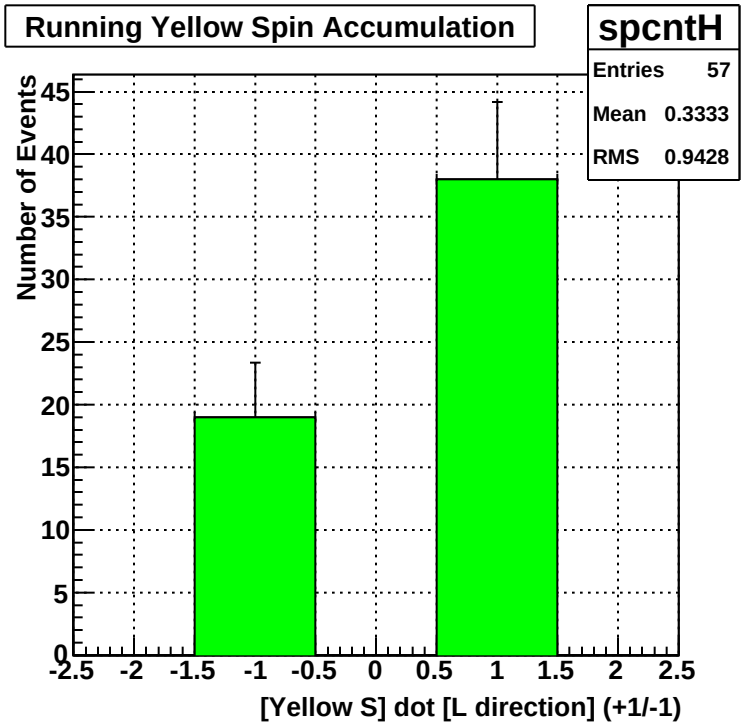
57) Rnum=7118038 EventN=1008604 (0 Yd-N[-])

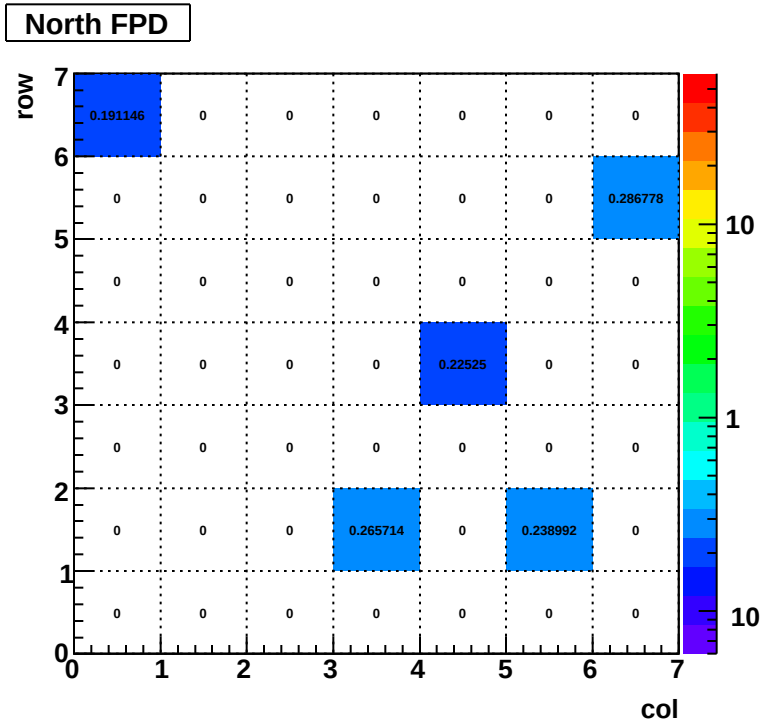
(1) Energy=47.145161 Y=-3.642365 Phi=0.176402

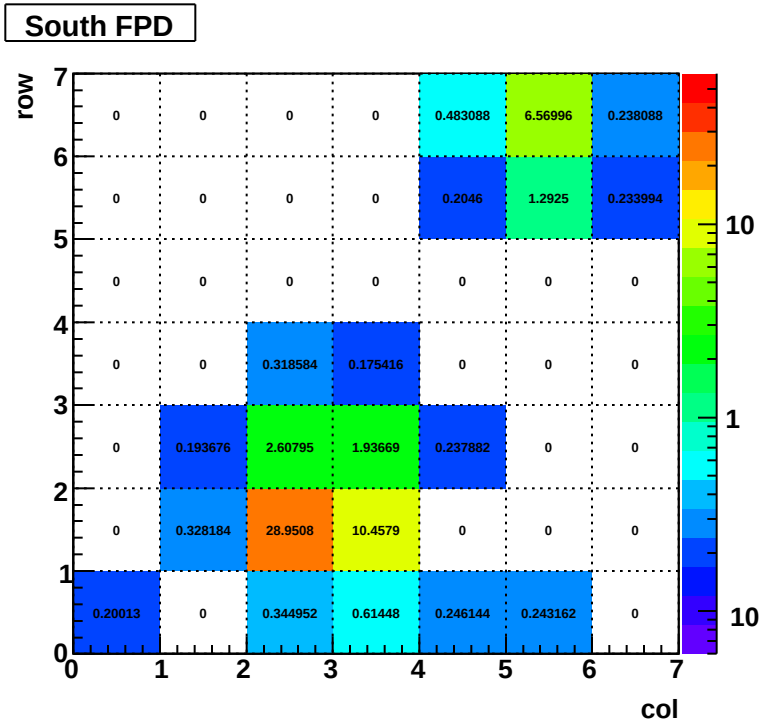
(2) Energy=8.839365 Y=-3.436007 Phi=-0.185751

M12=0.492 Y12=-3.617 Phi12=0.109 E12=55.985

SumN(-) = 19 SumN(+)= 38 AN/.6=0.556







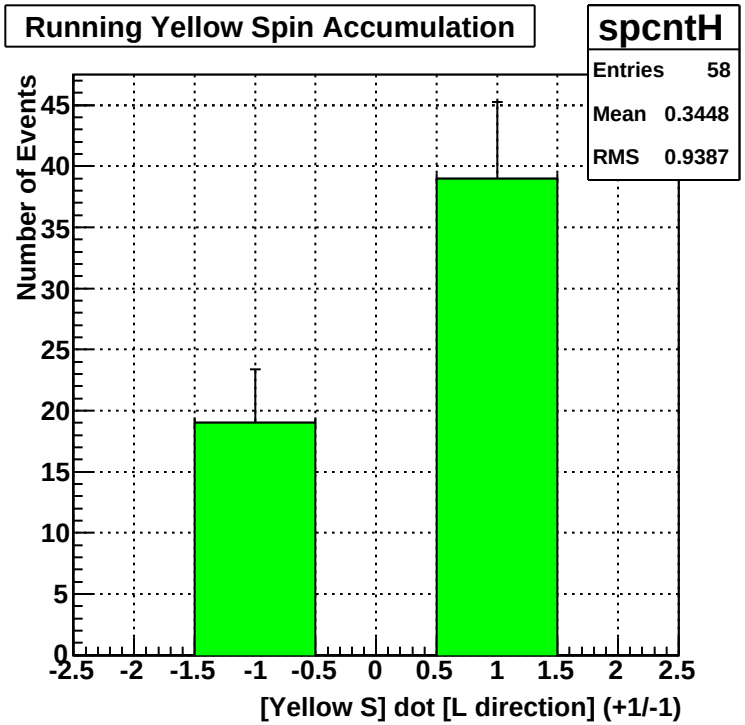
58) Rnum=7118041 EventN=3707806 (3 Yu-N[+])

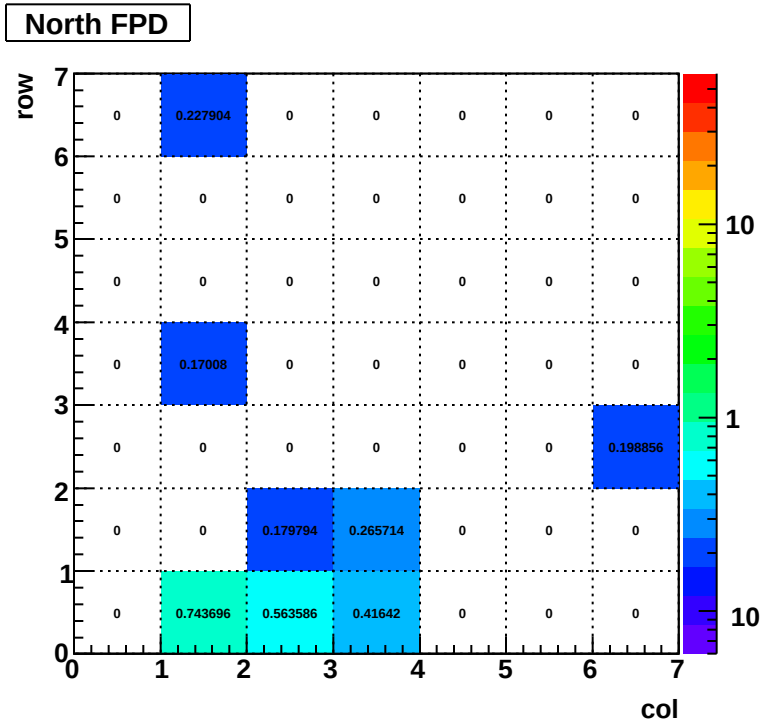
(1) Energy=41.552639 Y=-3.710627 Phi=0.187924

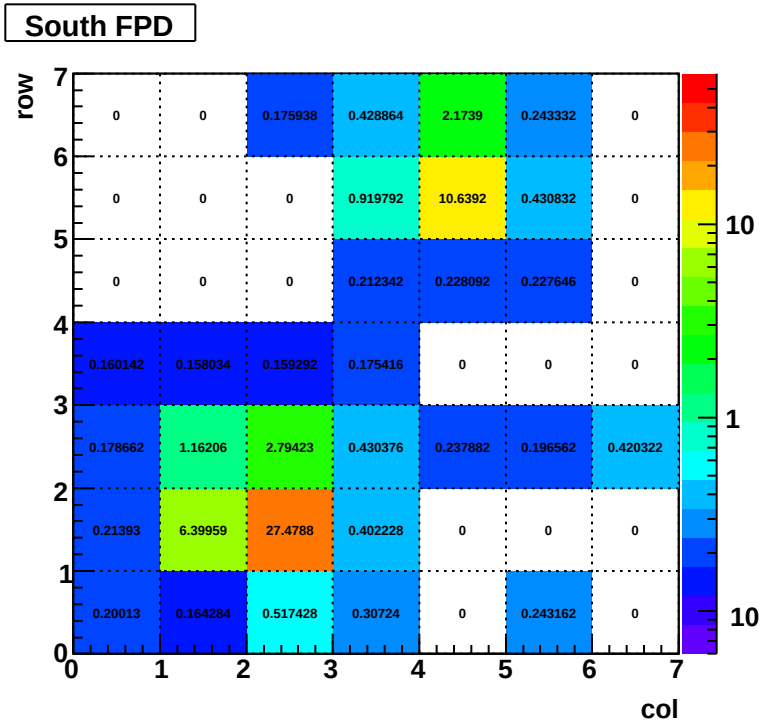
(2) Energy=15.260950 Y=-3.519094 Phi=-0.173550

M12=0.552 Y12=-3.669 Phi12=0.077 E12=56.814

SumN(-) = 19 SumN(+)= 39 AN/.6=0.575







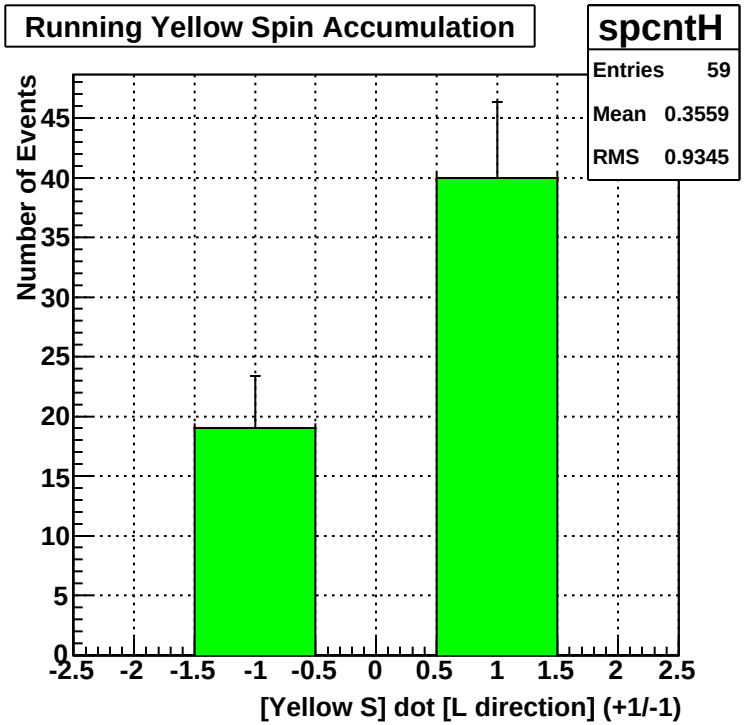
59) Rnum=7118041 EventN=2402058 (2 Yd-S[+])

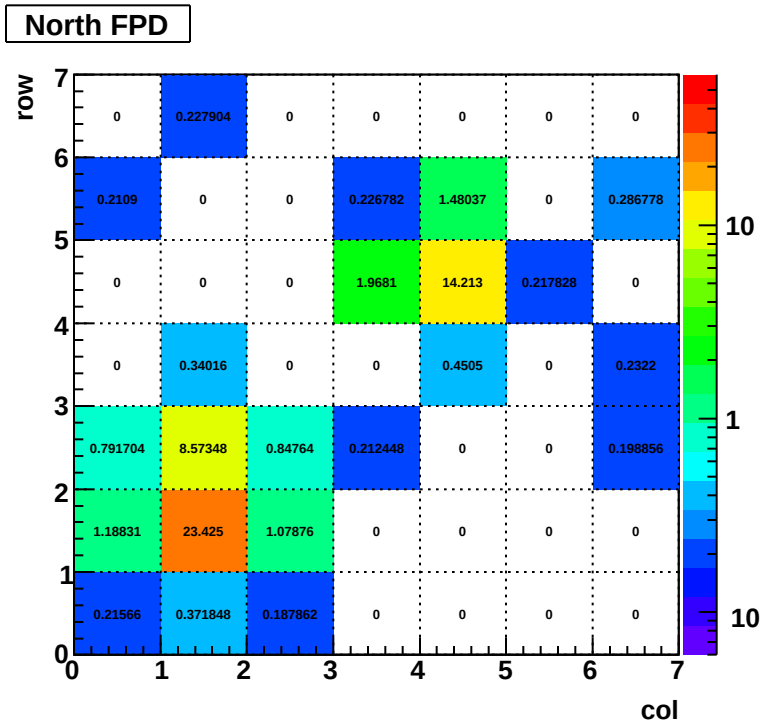
(1) Energy=38.680138 Y=-3.778377 Phi=2.960870

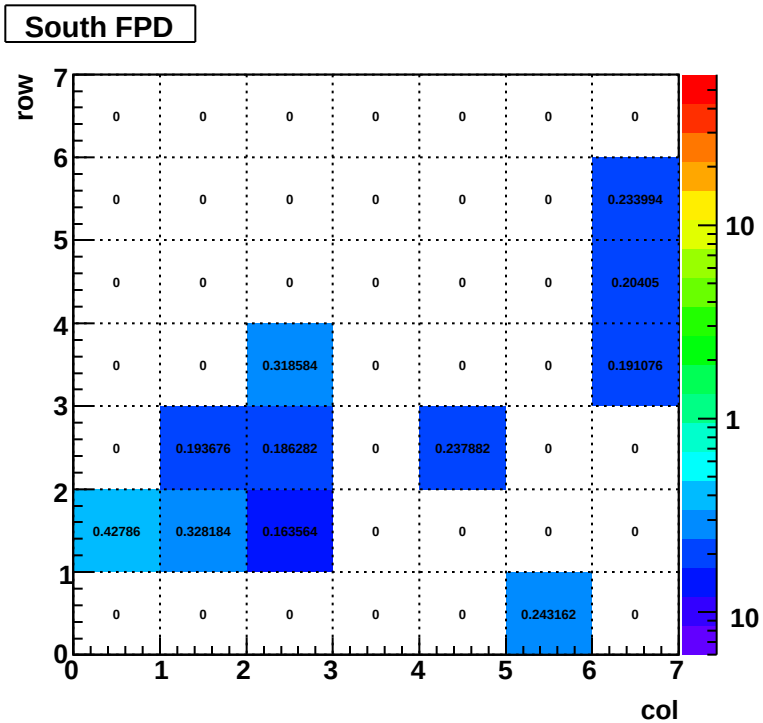
(2) Energy=18.965611 Y=-3.538129 Phi=-3.058179

M12=0.498 Y12=-3.701 Phi12=3.062 E12=57.646

SumN(-) = 19 SumN(+)= 40 AN/.6=0.593







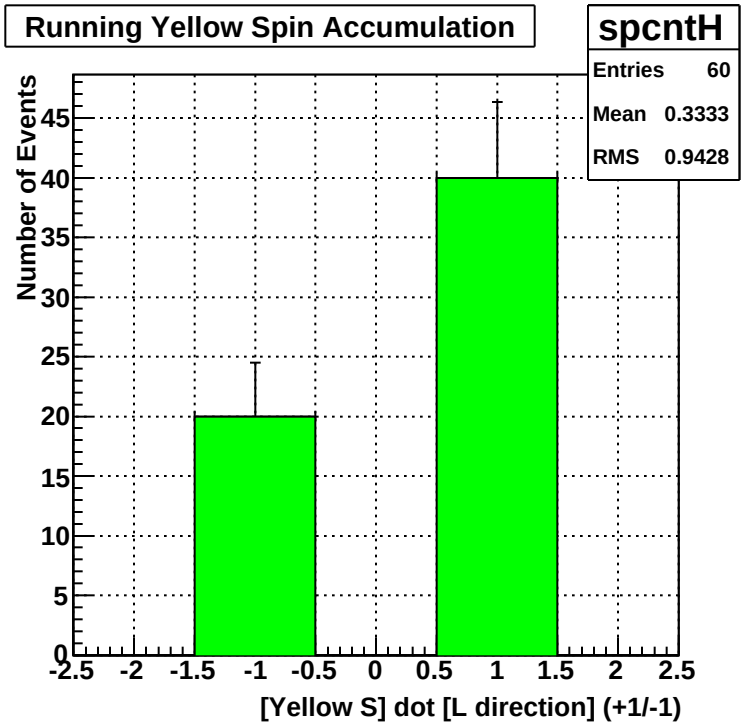
60) Rnum=7118045 EventN=4009584 (0 Yd-N[-])

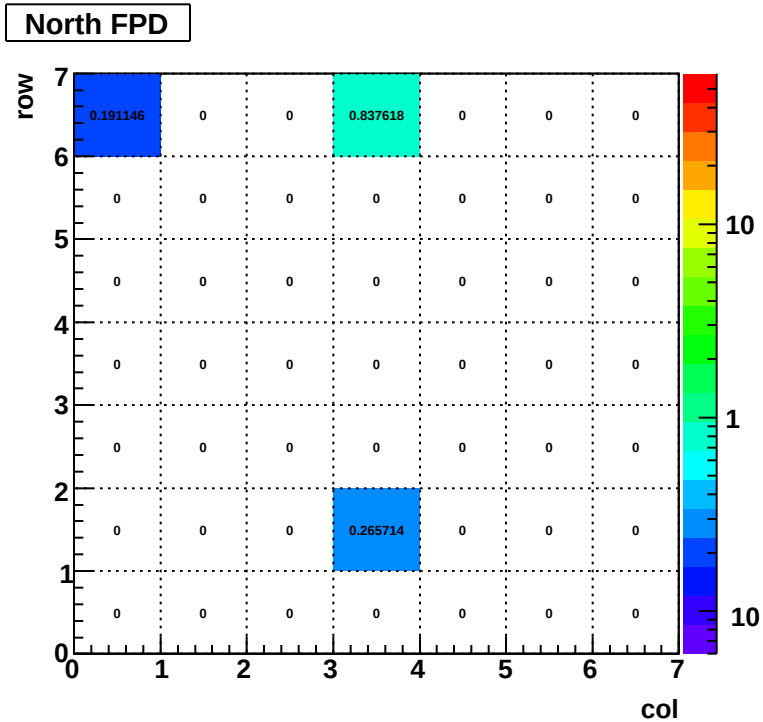
(1) Energy=44.802841 Y=-3.903573 Phi=0.051252

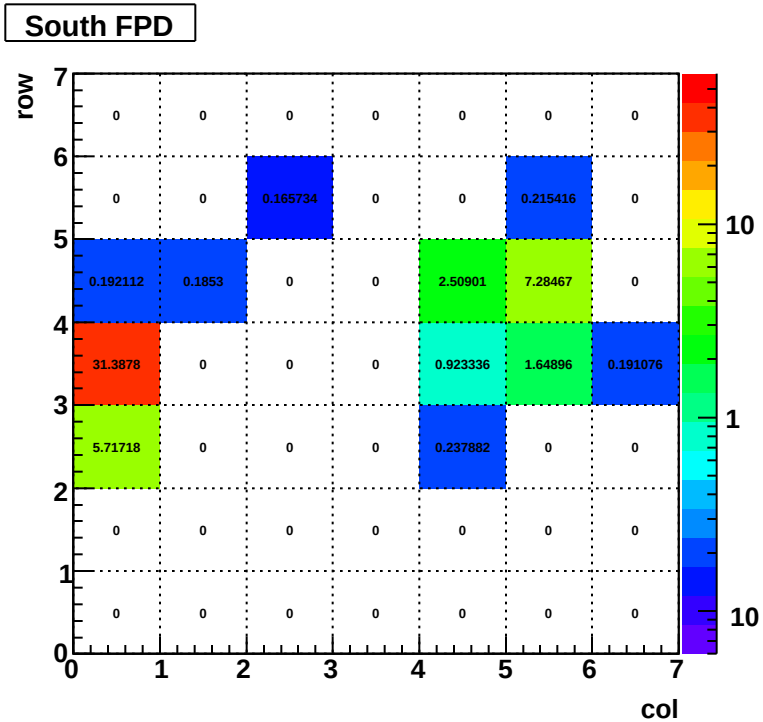
(2) Energy=12.973290 Y=-3.474724 Phi=-0.038707

M12=0.532 Y12=-3.791 Phi12=0.024 E12=57.776

SumN(-) = 20 SumN(+)= 40 AN/.6=0.556







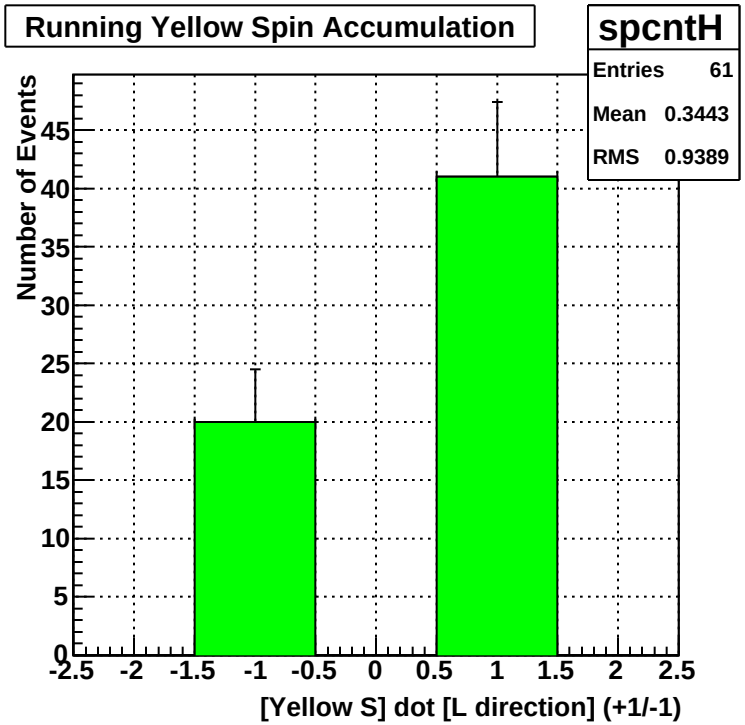
61) Rnum=7118045 EventN=4102111 (2 Yd-S[+])

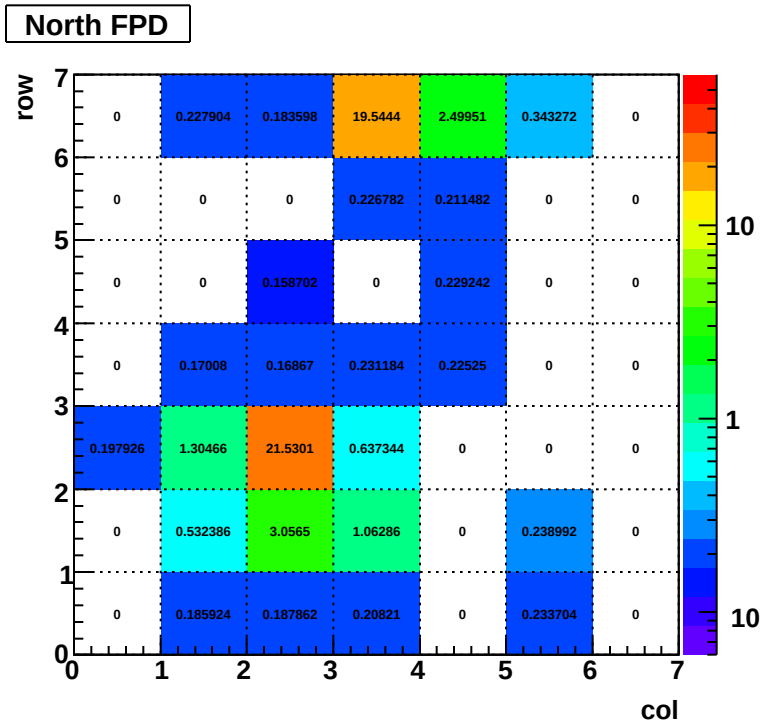
(1) Energy=30.105930 Y=-3.693120 Phi=3.007260

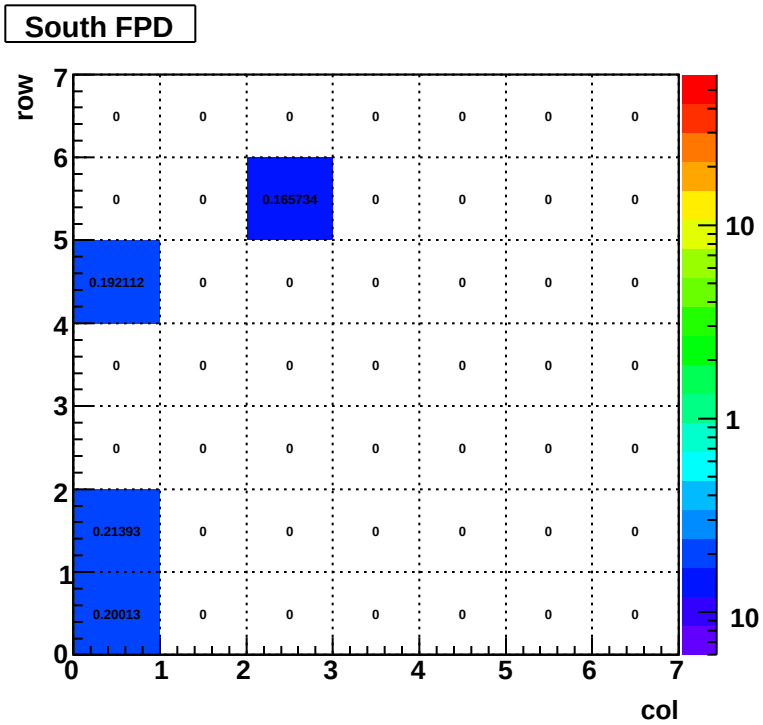
(2) Energy=25.605442 Y=-3.550029 Phi=-2.888999

M12=0.609 Y12=-3.644 Phi12=-3.084 E12=55.711

SumN(-) = 20 SumN(+)= 41 AN/.6=0.574







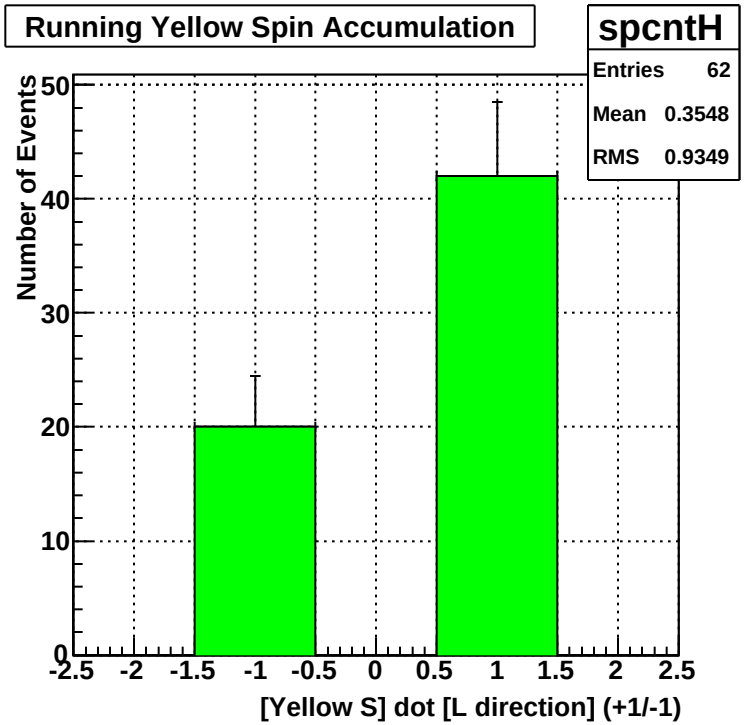
62) Rnum=7118045 EventN=5709131 (3 Yu-N[+])

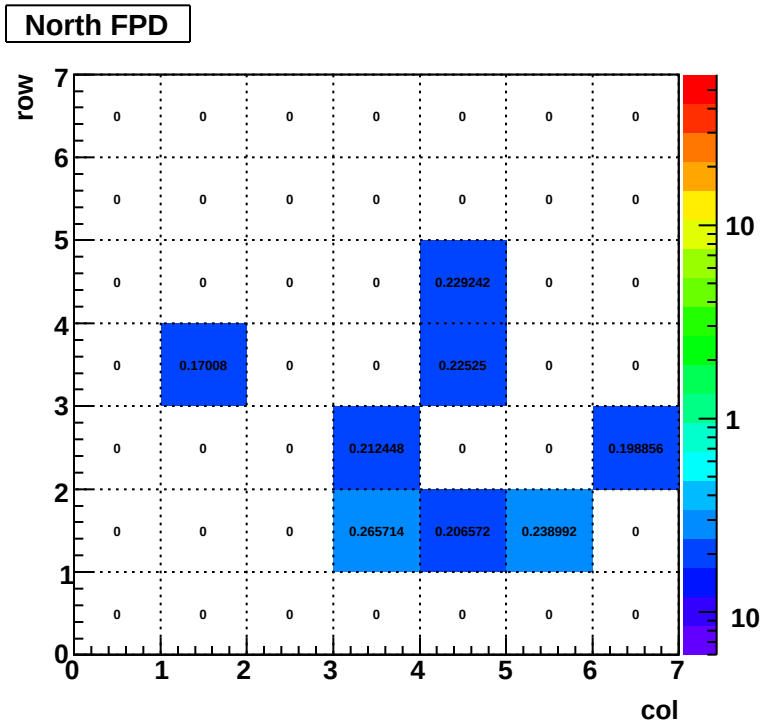
(1) Energy=41.584518 Y=-3.658638 Phi=0.150794

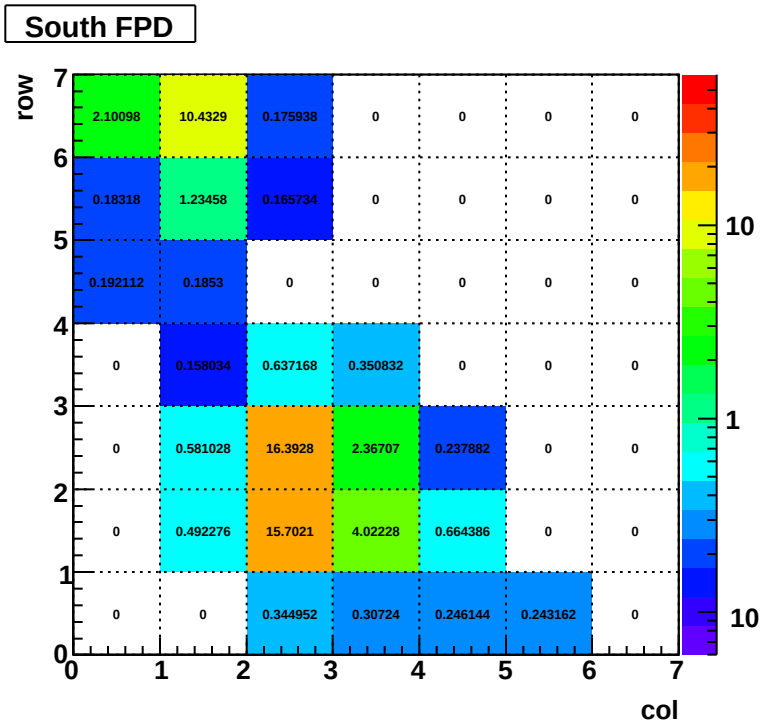
(2) Energy=15.150120 Y=-3.787104 Phi=-0.280840

M12=0.542 Y12=-3.708 Phi12=0.047 E12=56.735

SumN(-) = 20 SumN(+)= 42 AN/.6=0.591







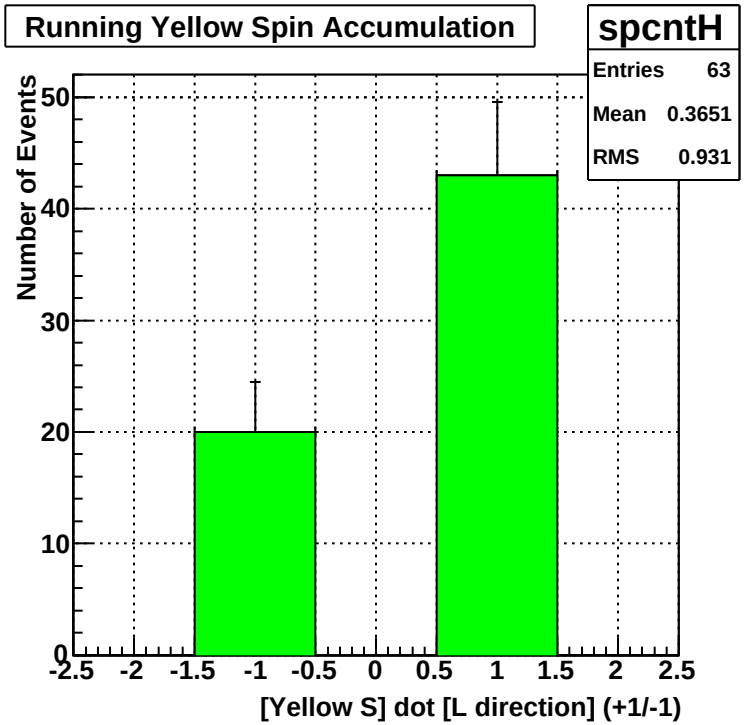
63) Rnum=7118049 EventN=1301494 (2 Yd-S[+])

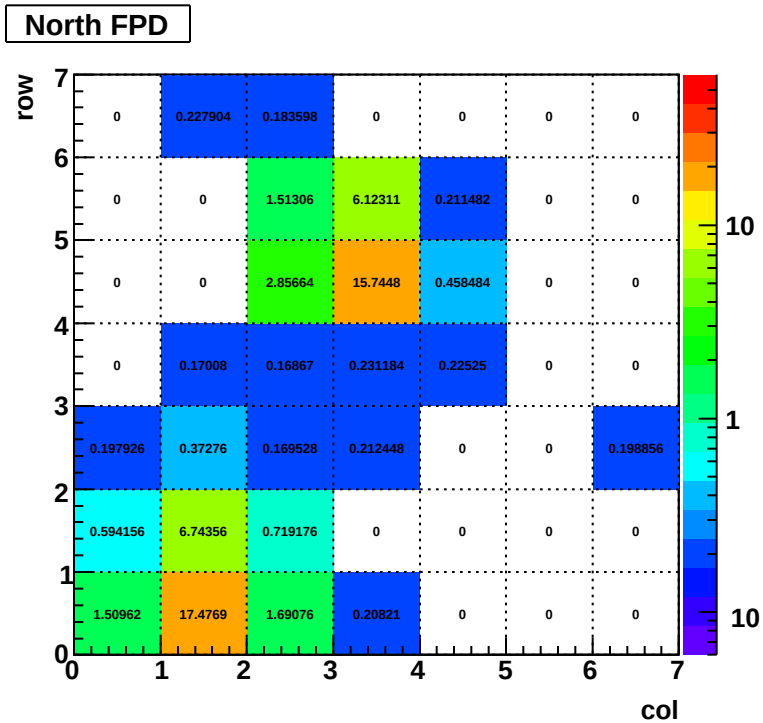
(1) Energy=30.154591 Y=-3.746862 Phi=2.865195

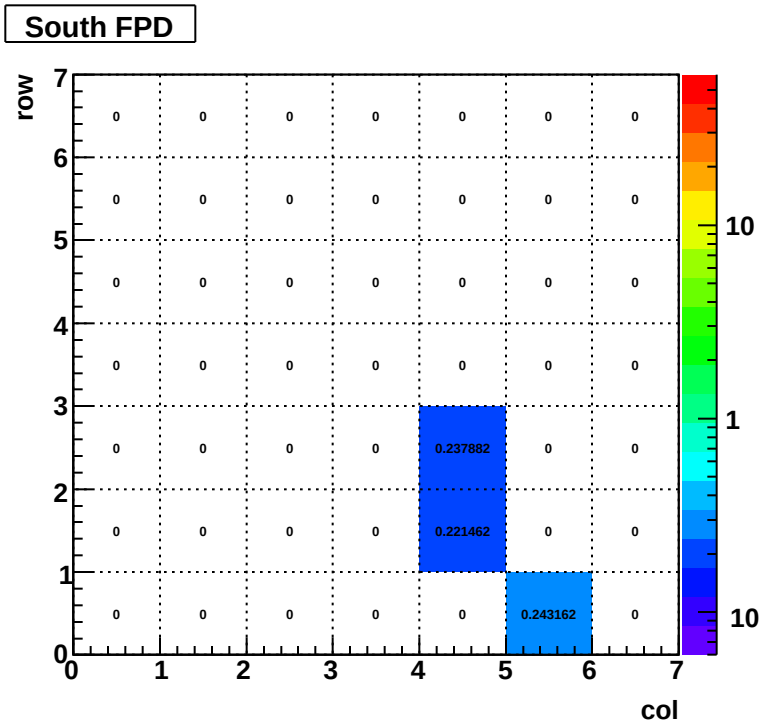
(2) Energy=28.166159 Y=-3.625876 Phi=-3.029259

M12=0.591 Y12=-3.706 Phi12=3.065 E12=58.321

SumN(-) = 20 SumN(+)= 43 AN/.6=0.608







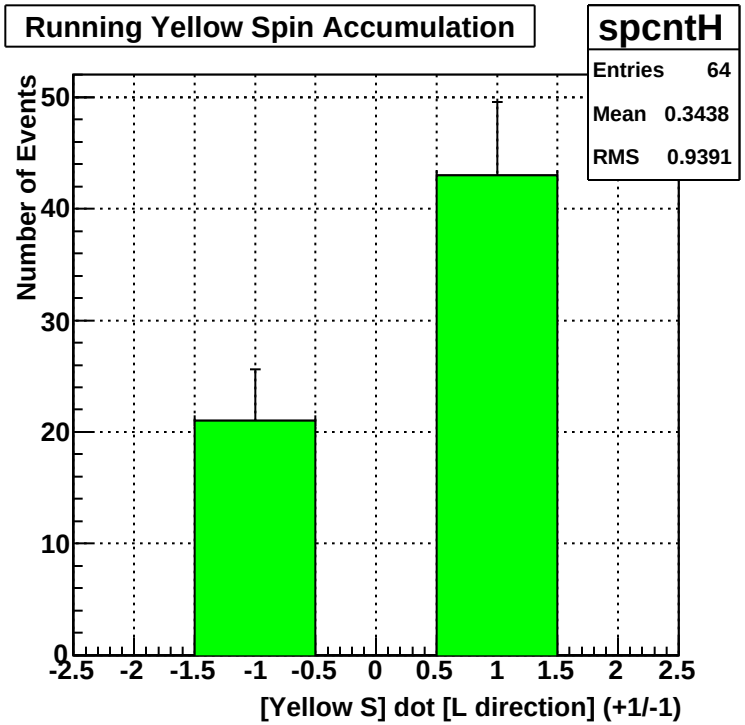
64) Rnum=7118050 EventN=5202686 (2 Yd-N[-])

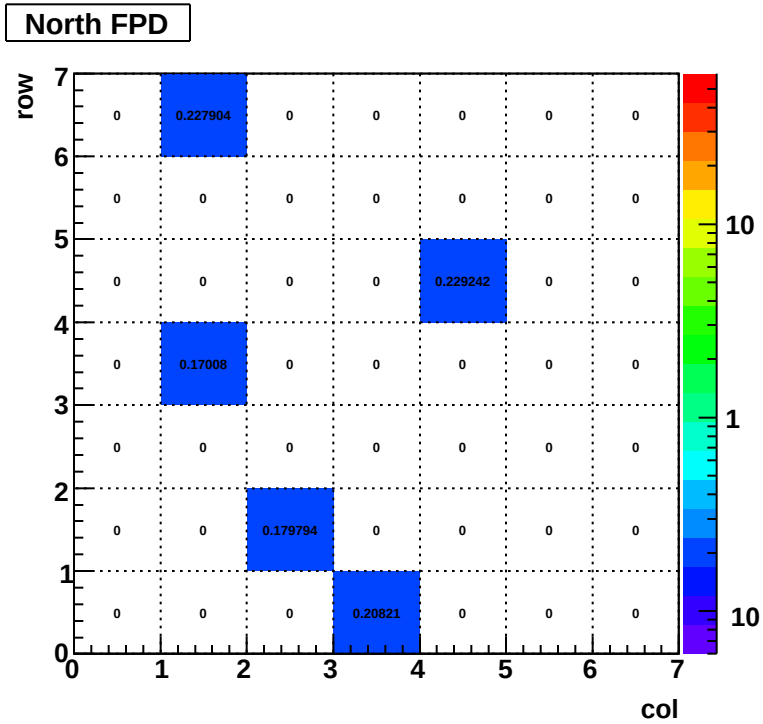
(1) Energy=39.208218 Y=-3.762635 Phi=0.151915

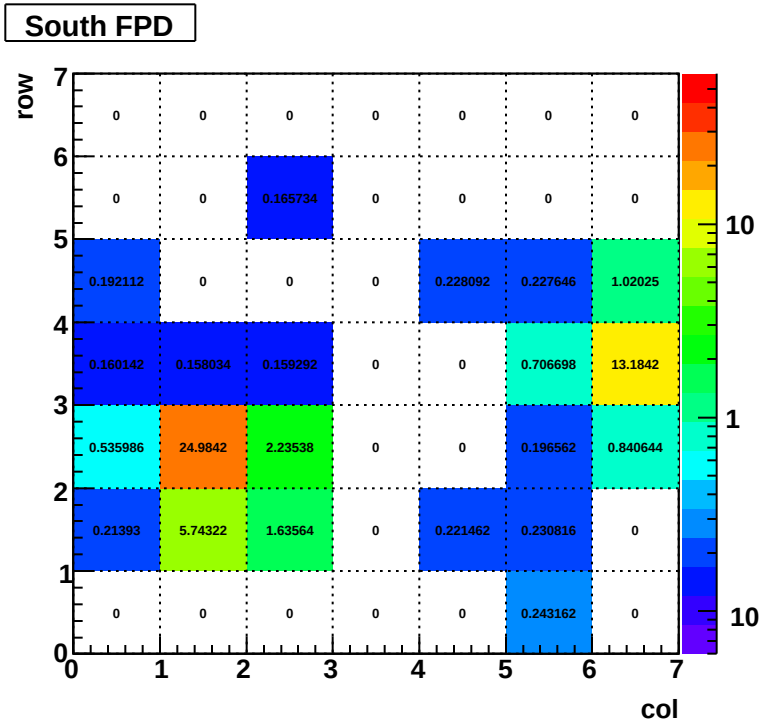
(2) Energy=16.562803 Y=-3.377677 Phi=0.002339

M12=0.595 Y12=-3.635 Phi12=0.095 E12=55.771

SumN(-) = 21 SumN(+)= 43 AN/.6=0.573







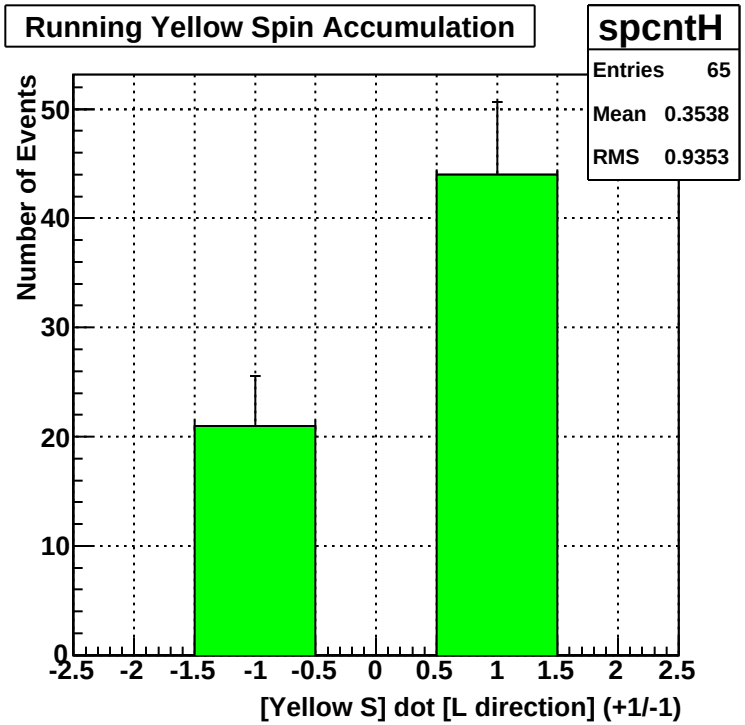
65) Rnum=7118050 EventN=7506956 (1 Yu-N[+])

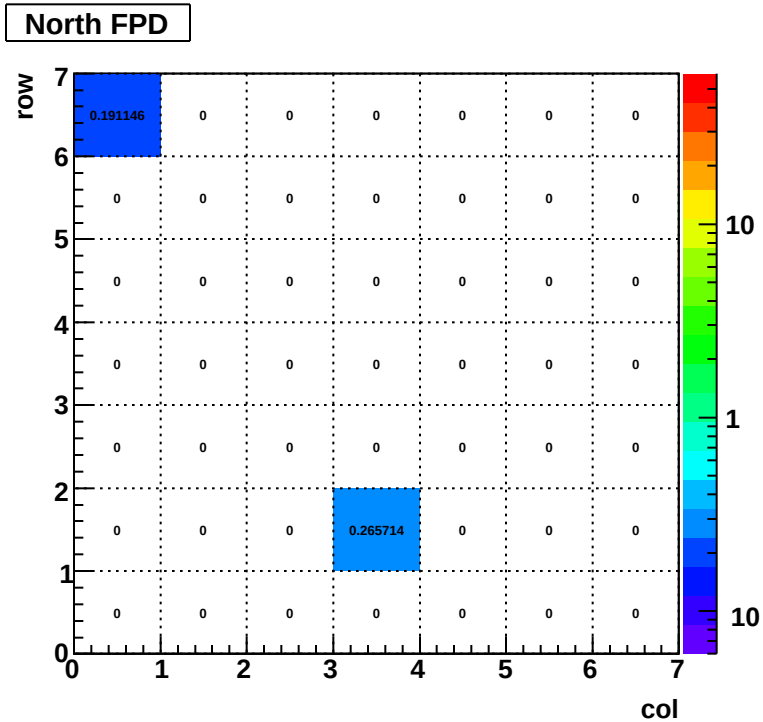
(1) Energy=34.229755 Y=-3.824904 Phi=-0.116364

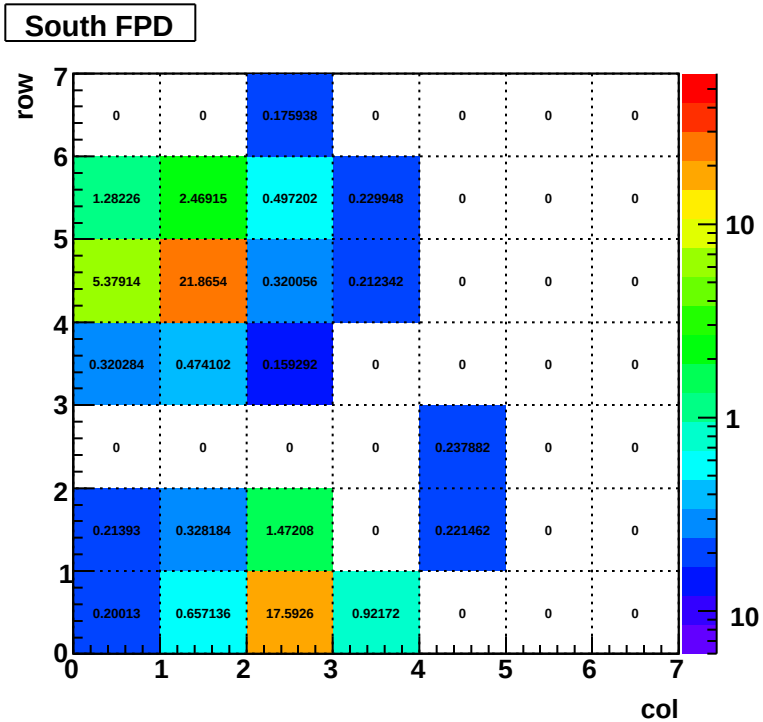
(2) Energy=24.007124 Y=-3.655090 Phi=0.276904

M12=0.580 Y12=-3.771 Phi12=0.062 E12=58.237

SumN(-) = 21 SumN(+)= 44 AN/.6=0.590







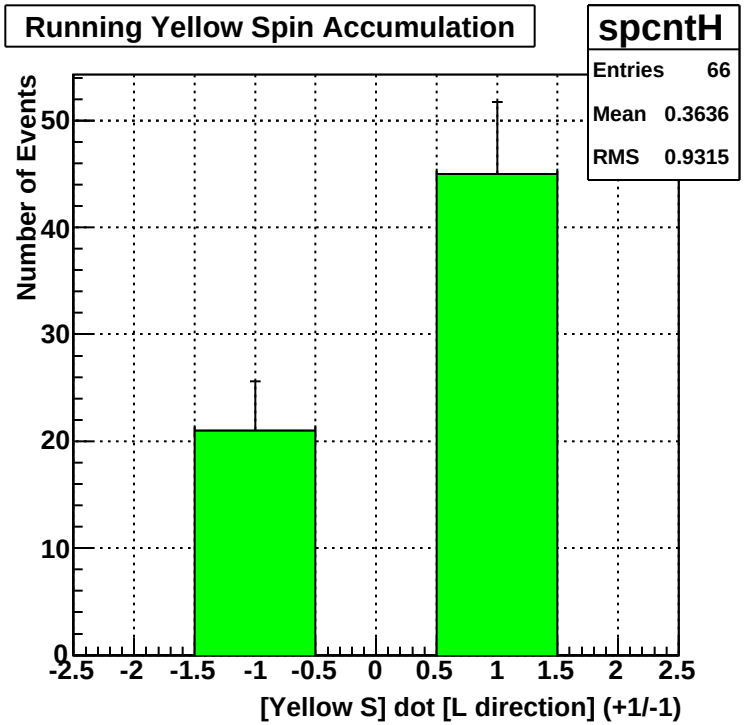
66) Rnum=7118050 EventN=1002974 (1 Yu-N[+])

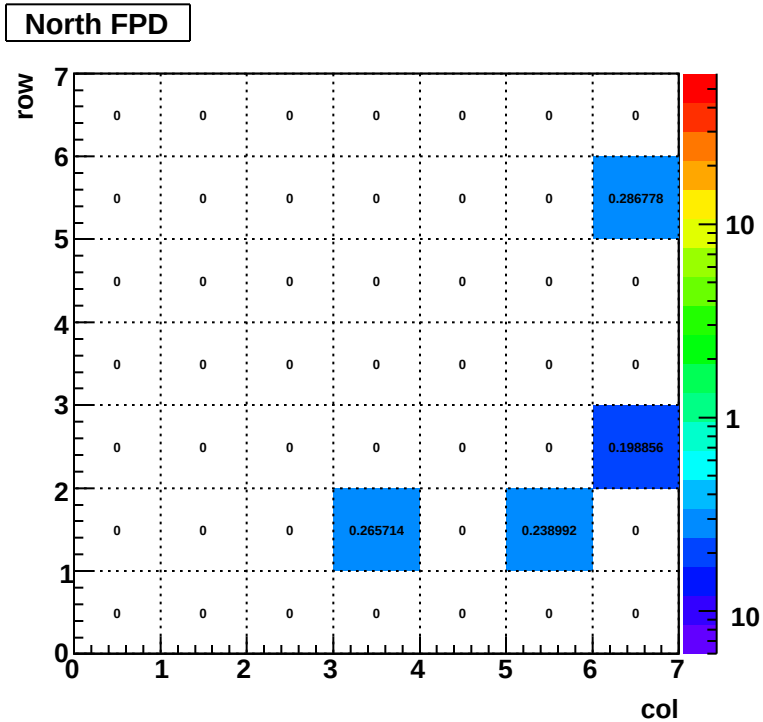
(1) Energy=35.007240 Y=-3.662229 Phi=0.011887

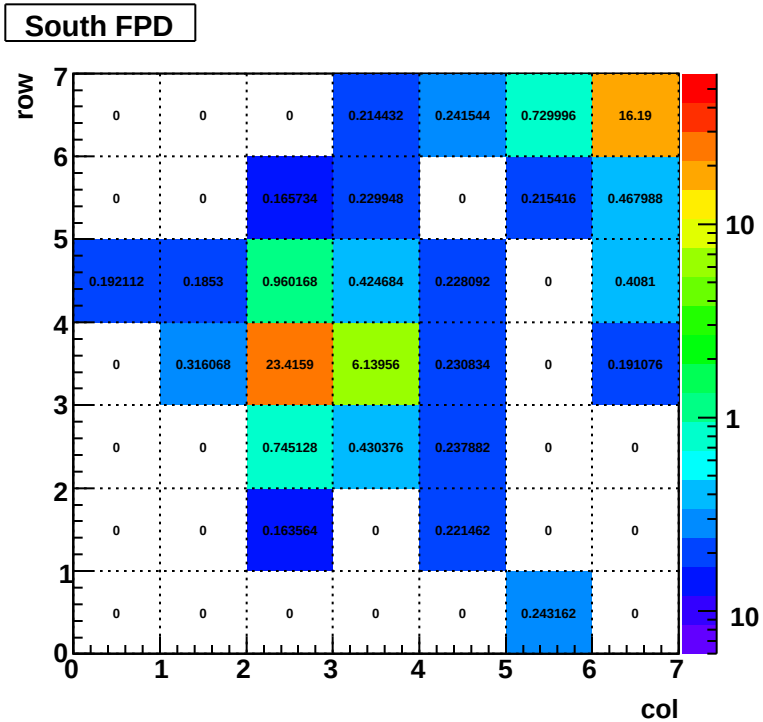
(2) Energy=20.400883 Y=-3.354125 Phi=-0.199756

M12=0.599 Y12=-3.543 Phi12=-0.082 E12=55.408

SumN(-) = 21 SumN(+)= 45 AN/.6=0.606







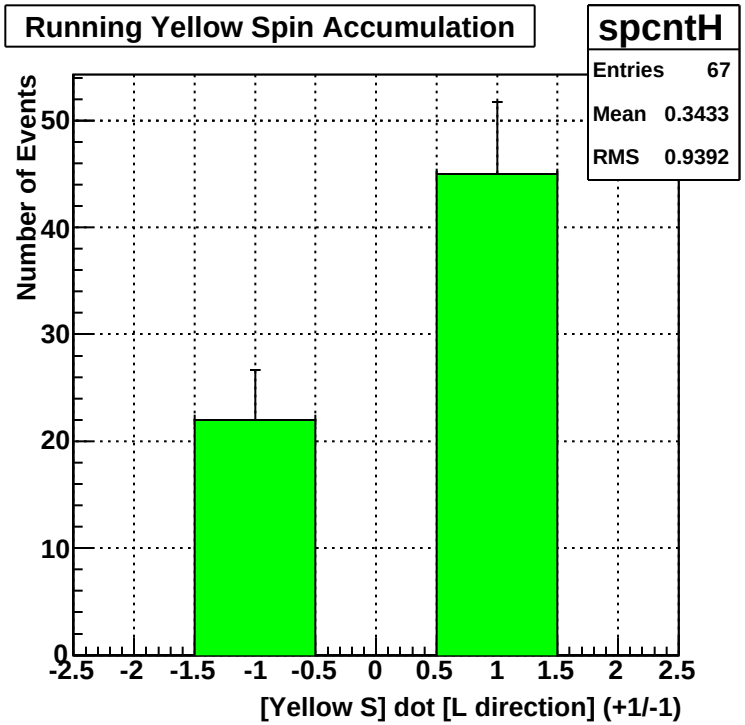
67) Rnum=7118050 EventN=2006410 (2 Yd-N[-])

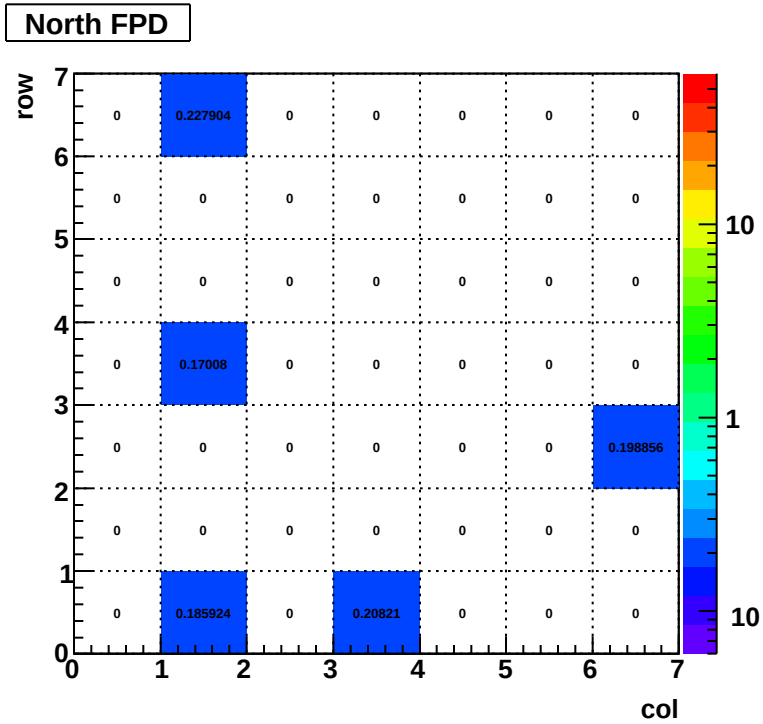
(1) Energy=42.959450 Y=-3.715094 Phi=-0.233783

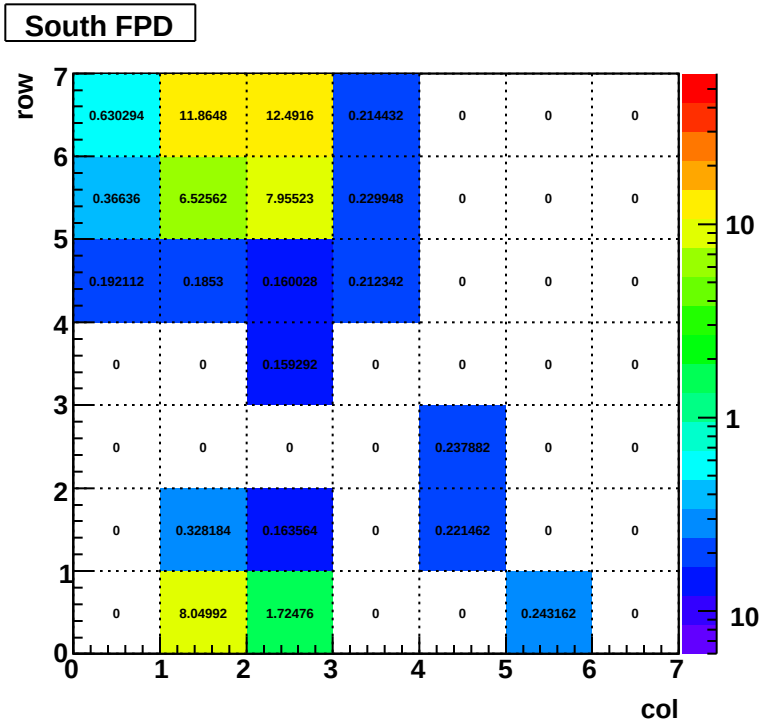
(2) Energy=12.364172 Y=-3.710749 Phi=0.313560

M12=0.608 Y12=-3.740 Phi12=-0.114 E12=55.324

SumN(-) = 22 SumN(+)= 45 AN/.6=0.572







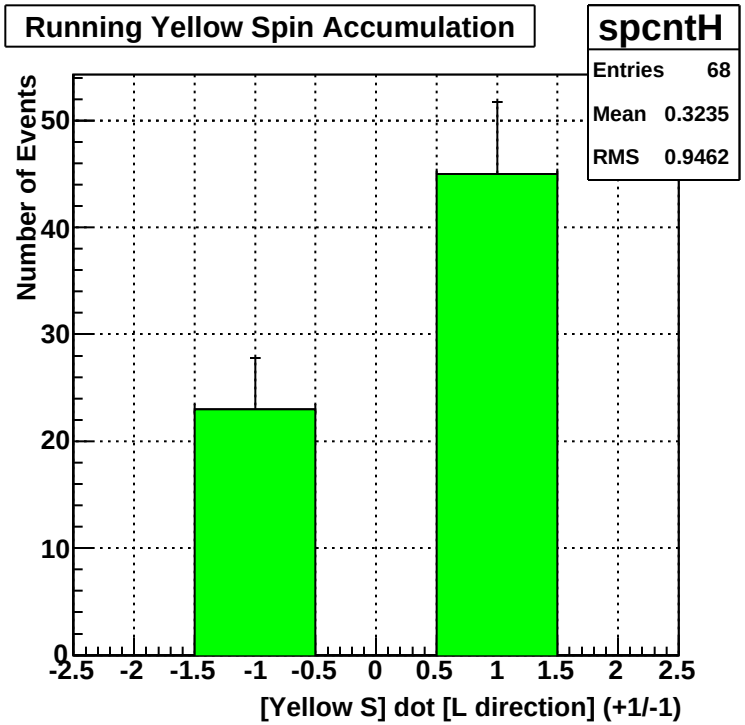
68) Rnum=7118053 EventN=902761 (0 Yd-N[-])

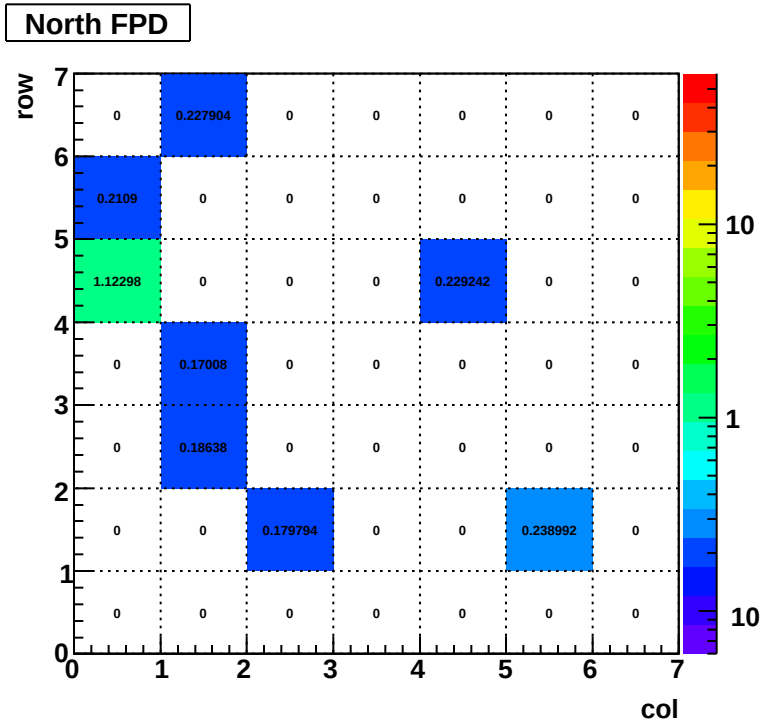
(1) Energy=44.188343 Y=-3.823480 Phi=-0.124258

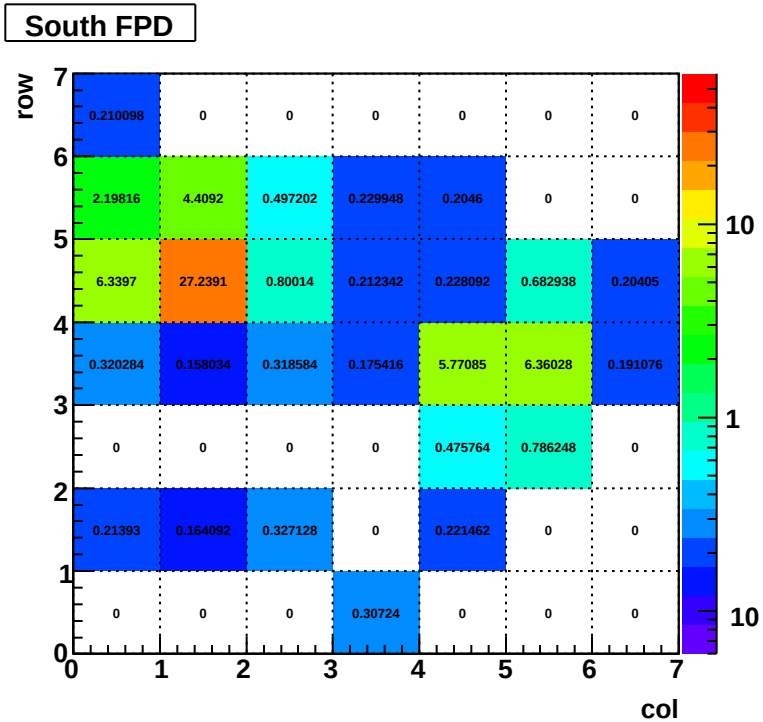
(2) Energy=13.755703 Y=-3.481753 Phi=0.020939

M12=0.476 Y12=-3.733 Phi12=-0.080 E12=57.944

SumN(-) = 23 SumN(+)= 45 AN/.6=0.539







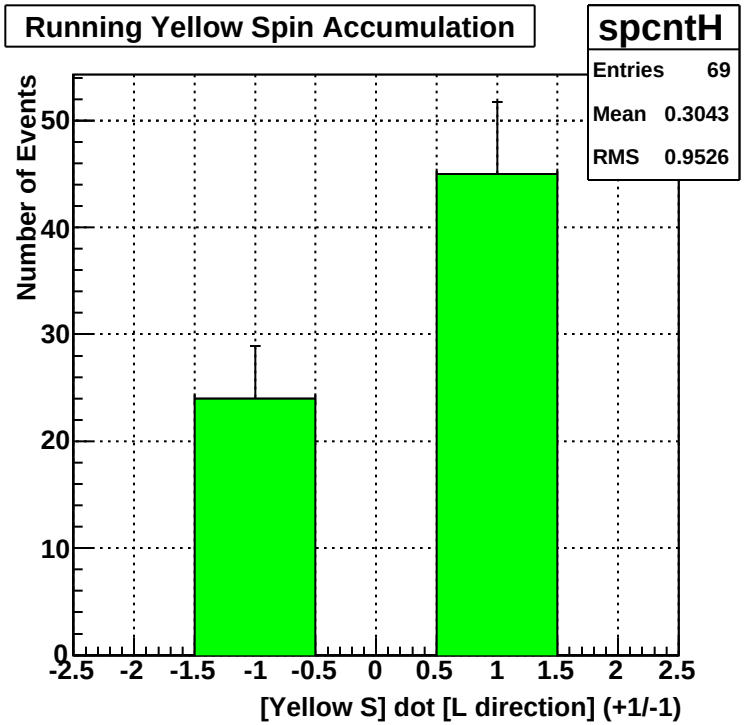
69) Rnum=7118058 EventN=300855 (2 Yd-N[-])

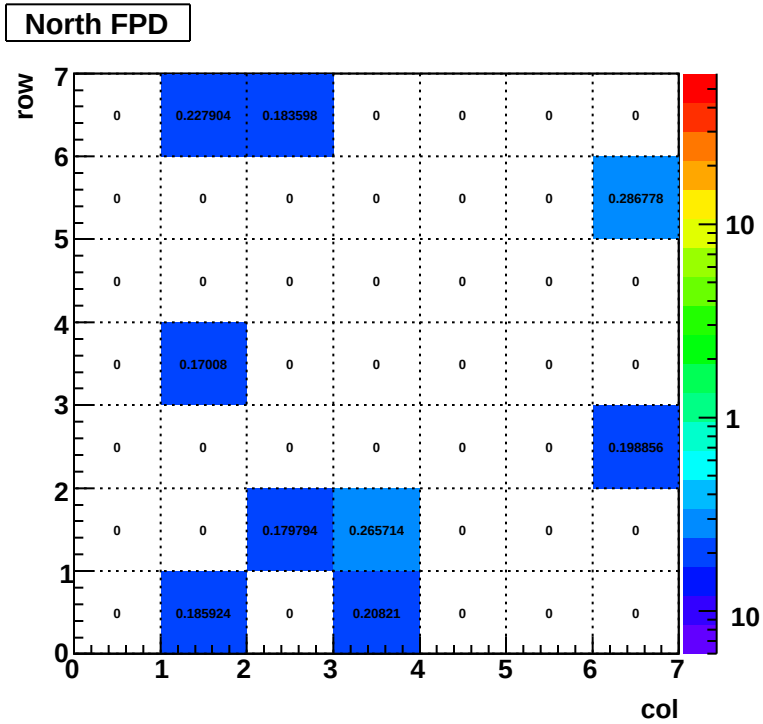
(1) Energy=44.502419 Y=-3.659838 Phi=0.244309

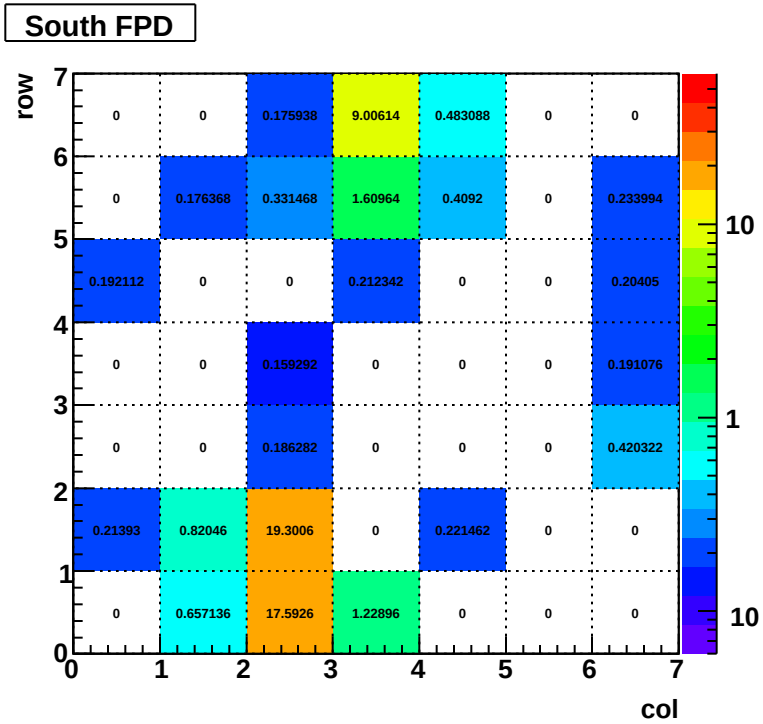
(2) Energy=12.419933 Y=-3.572738 Phi=-0.214828

M12=0.585 Y12=-3.659 Phi12=0.139 E12=56.922

SumN(-) = 24 SumN(+)= 45 AN/.6=0.507







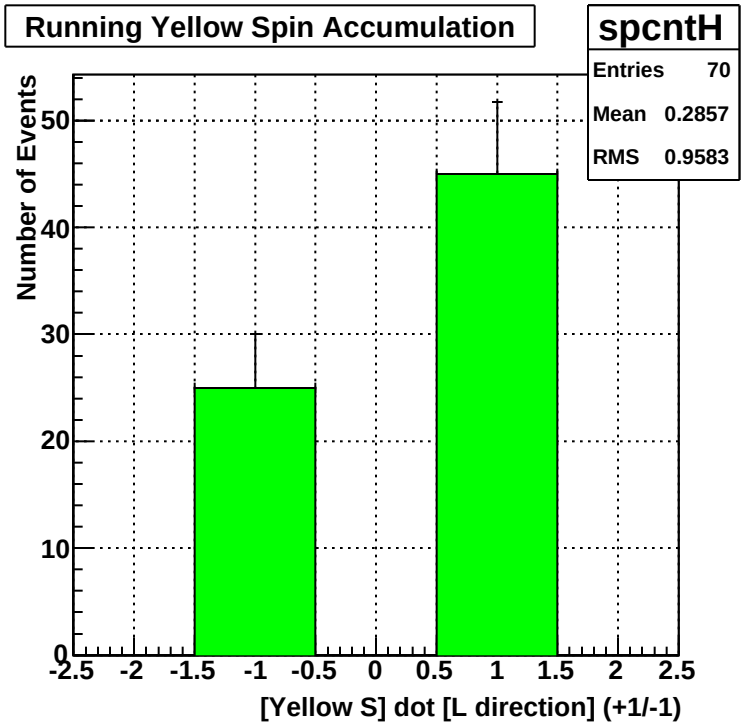
70) Rnum=7118058 EventN=303577 (3 Yu-S[-])

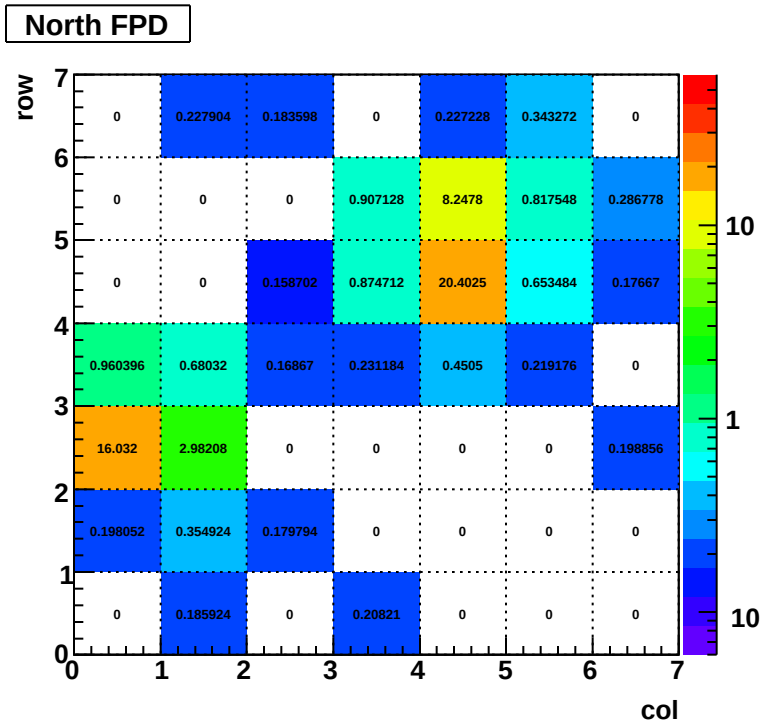
(1) Energy=33.018681 Y=-3.519134 Phi=-3.039885

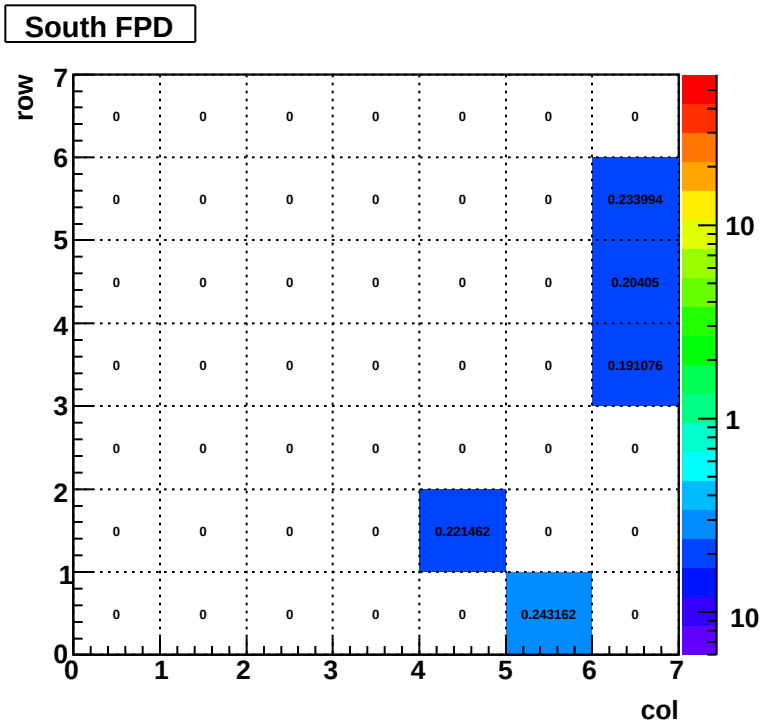
(2) Energy=23.021149 Y=-3.862802 Phi=3.027602

M12=0.560 Y12=-3.652 Phi12=-3.111 E12=56.040

SumN(-) = 25 SumN(+)= 45 AN/.6=0.476







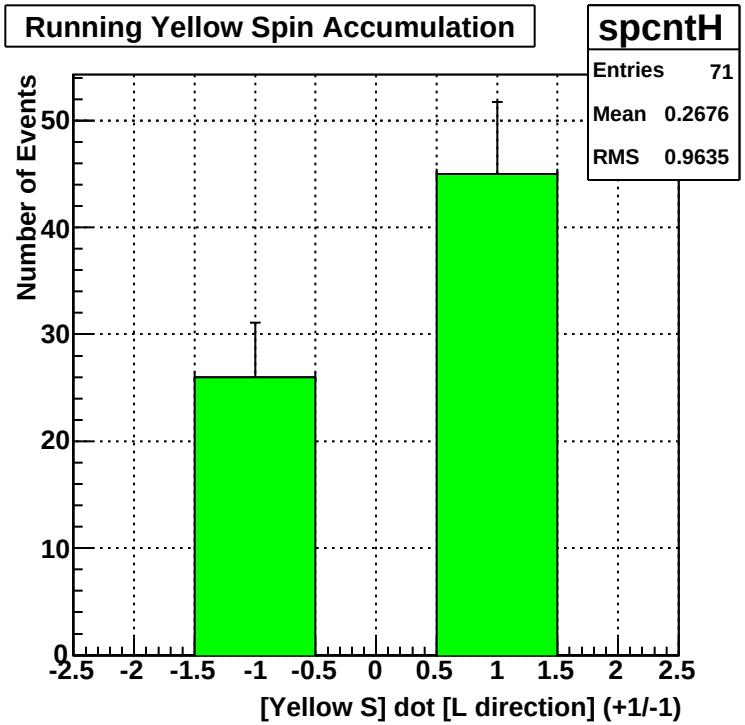
71) Rnum=7118075 EventN=3808236 (2 Yd-N[-])

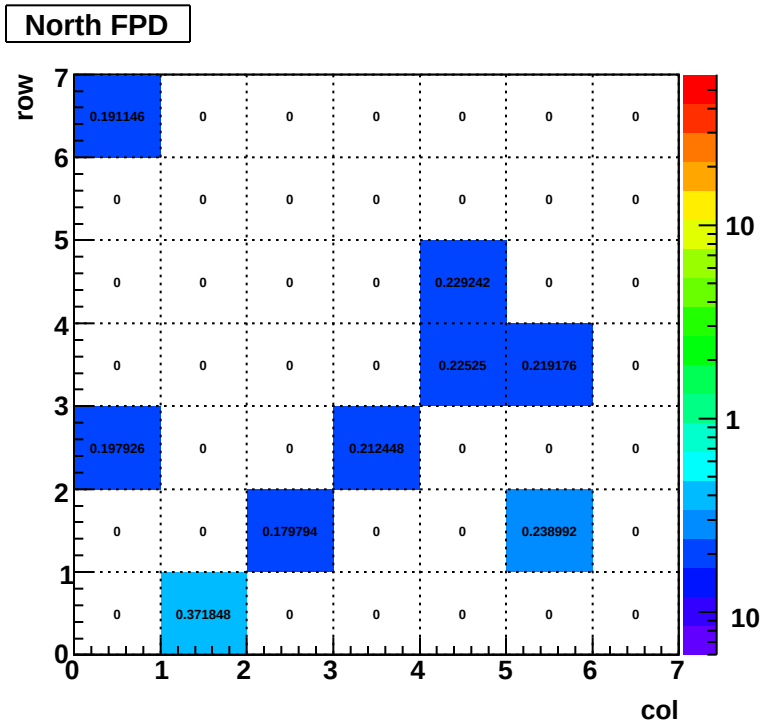
(1) Energy=38.816887 Y=-3.895876 Phi=-0.025456

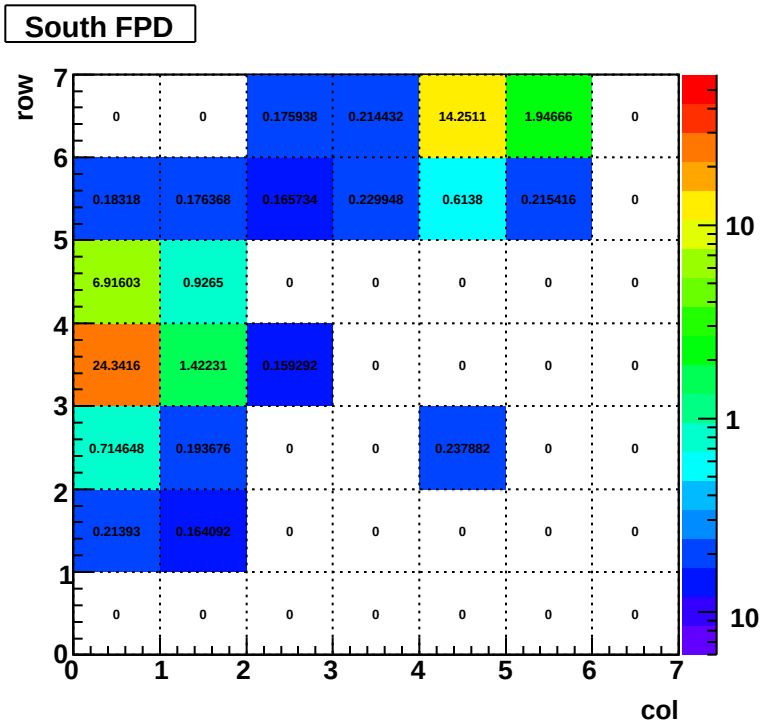
(2) Energy=18.691908 Y=-3.478156 Phi=-0.220750

M12=0.625 Y12=-3.745 Phi12=-0.108 E12=57.509

SumN(-) = 26 SumN(+)= 45 AN/.6=0.446







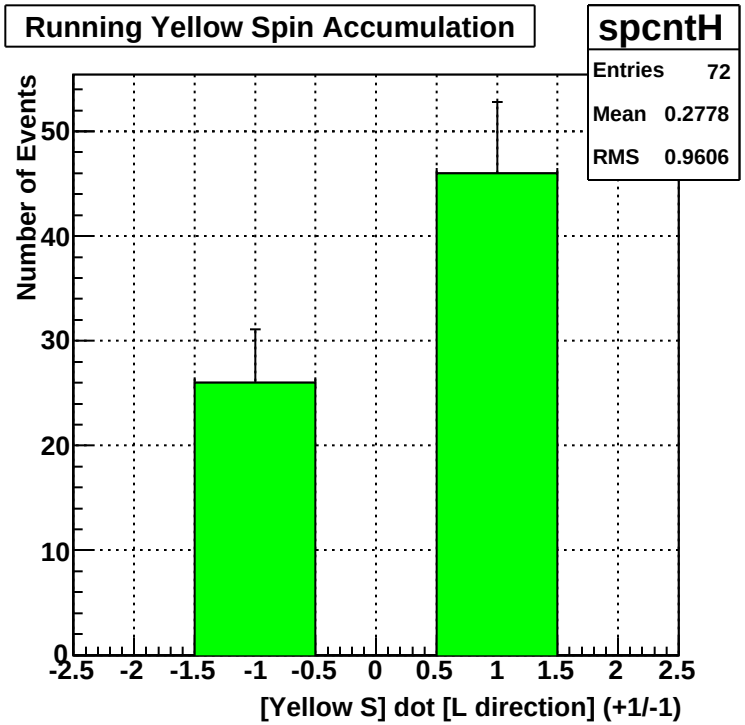
72) Rnum=7118075 EventN=209850 (1 Yu-N[+])

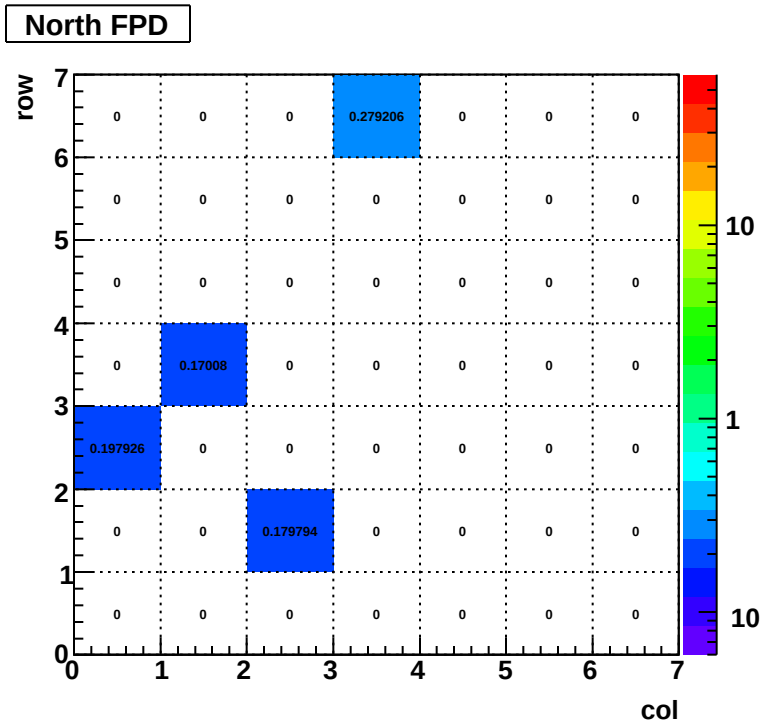
(1) Energy=40.635944 Y=-3.619559 Phi=-0.235733

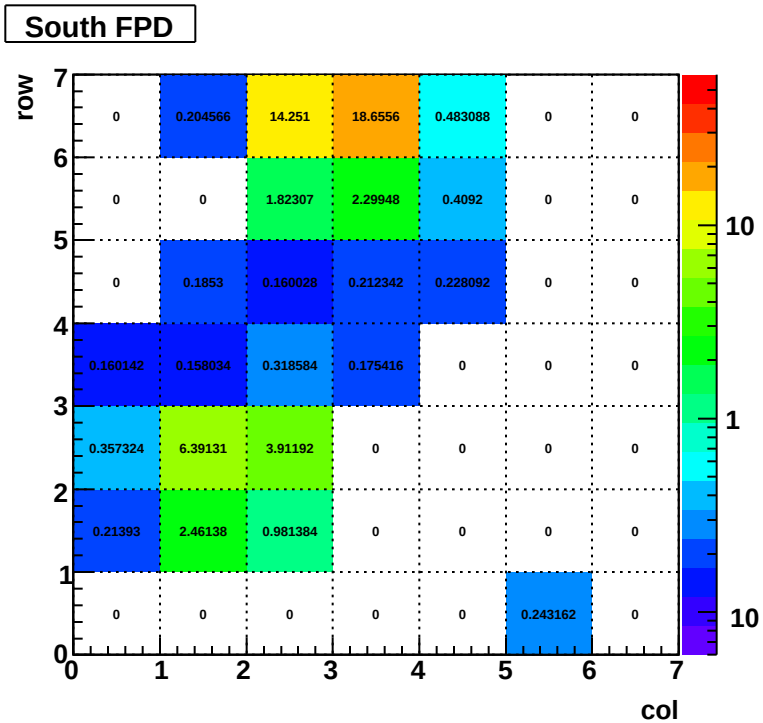
(2) Energy=15.155288 Y=-3.736555 Phi=0.150944

M12=0.504 Y12=-3.664 Phi12=-0.140 E12=55.791

SumN(-) = 26 SumN(+)= 46 AN/.6=0.463







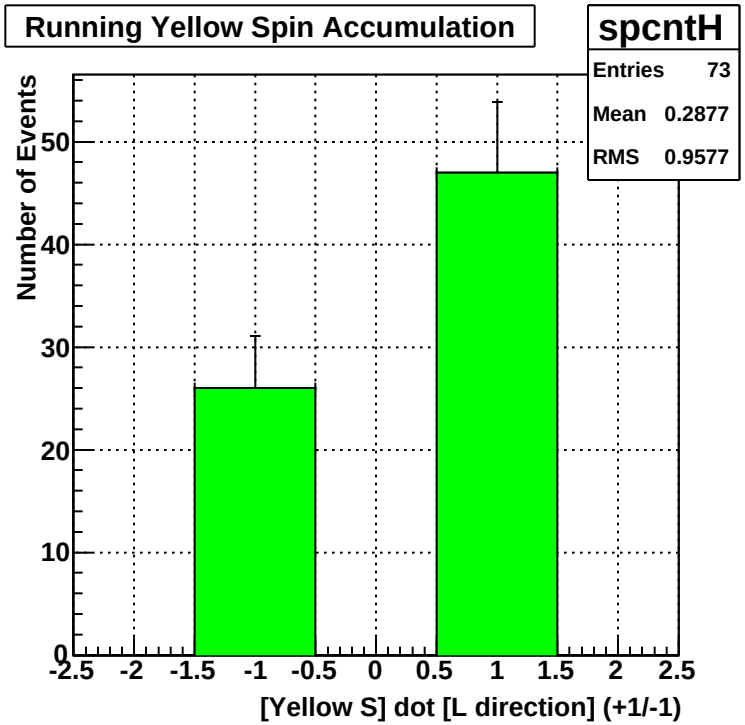
73) Rnum=7118075 EventN=506797 (1 Yu-N[+])

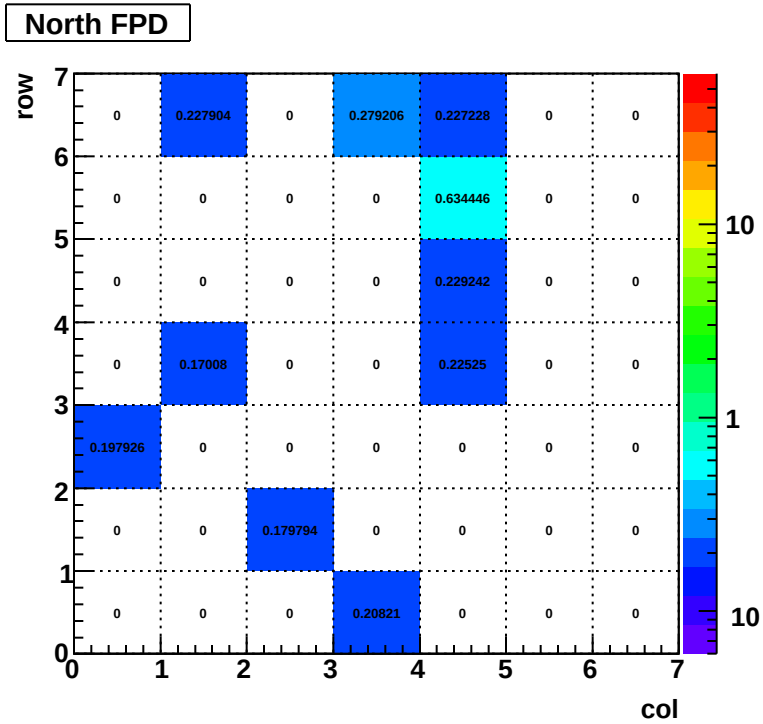
(1) Energy=32.640110 Y=-3.758519 Phi=-0.186617

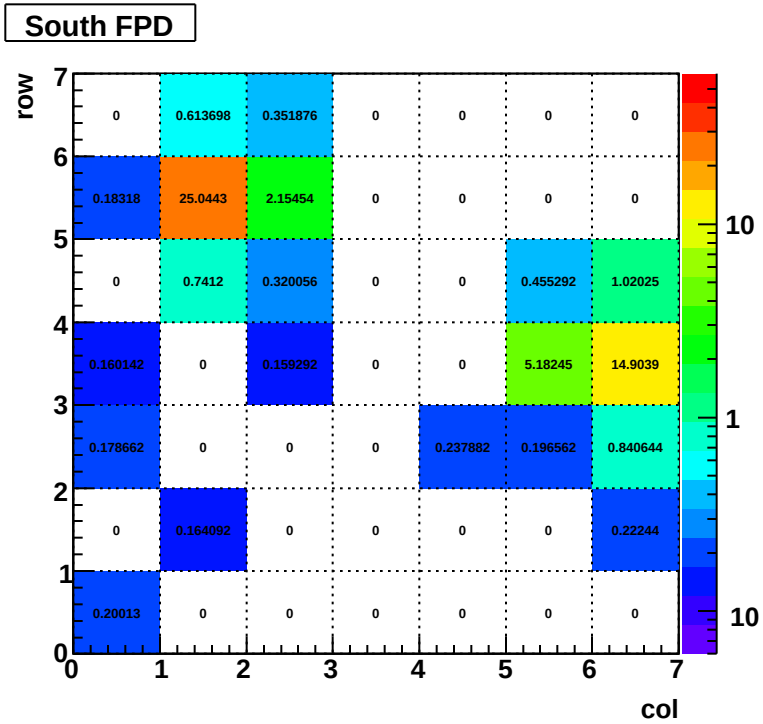
(2) Energy=23.096407 Y=-3.401889 Phi=0.005287

M12=0.622 Y12=-3.600 Phi12=-0.090 E12=55.737

SumN(-) = 26 SumN(+)= 47 AN/.6=0.479







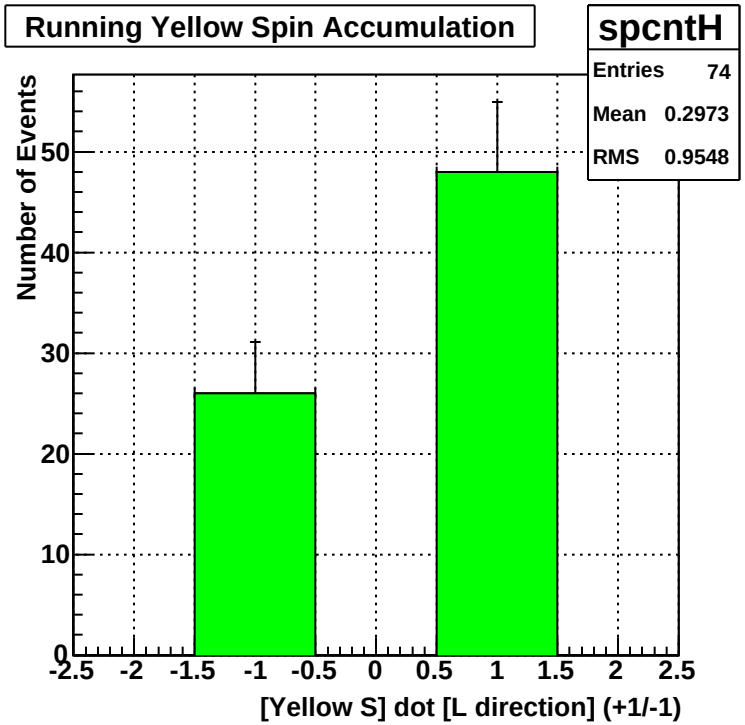
74) Rnum=7118075 EventN=702990 (2 Yd-S[+])

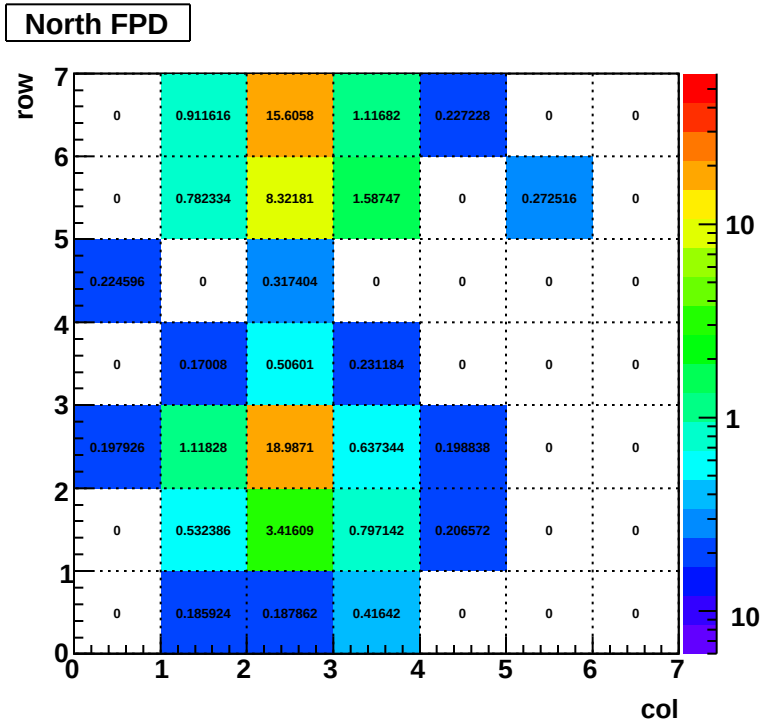
(1) Energy=27.419849 Y=-3.690693 Phi=3.004238

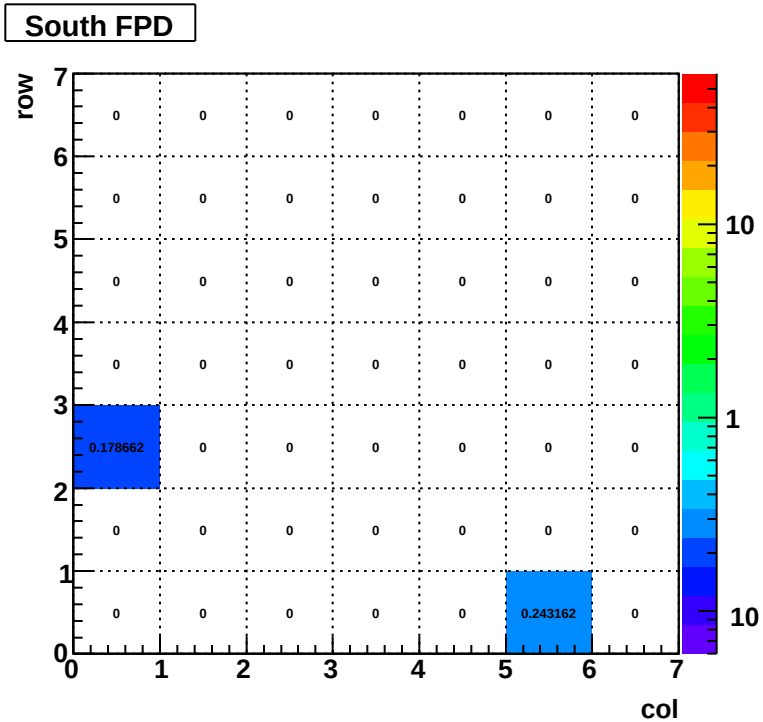
(2) Energy=29.065414 Y=-3.664689 Phi=-2.919084

M12=0.512 Y12=-3.693 Phi12=-3.091 E12=56.485

SumN(-) = 26 SumN(+)= 48 AN/.6=0.495







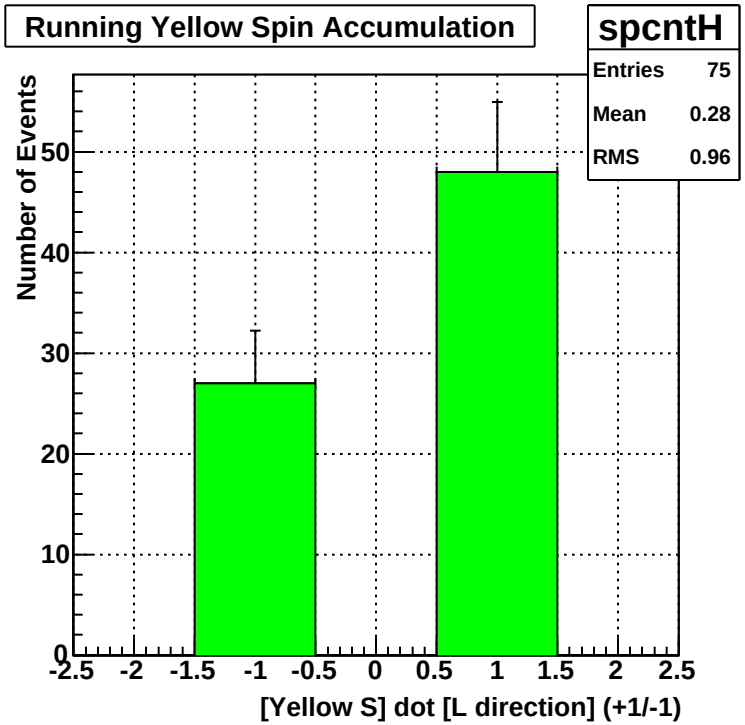
75) Rnum=7118077 EventN=507587 (3 Yu-S[-])

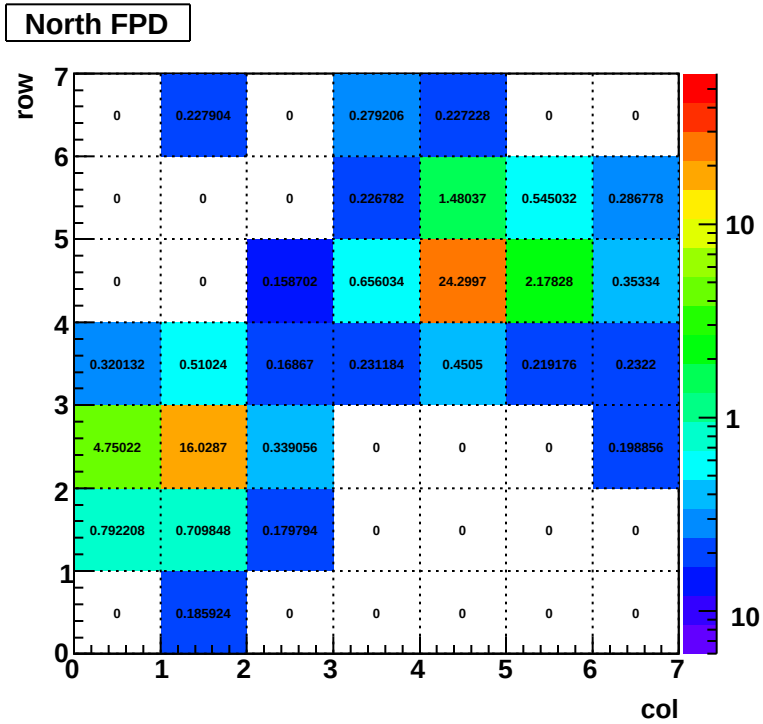
(1) Energy=30.585983 Y=-3.504721 Phi=-3.065416

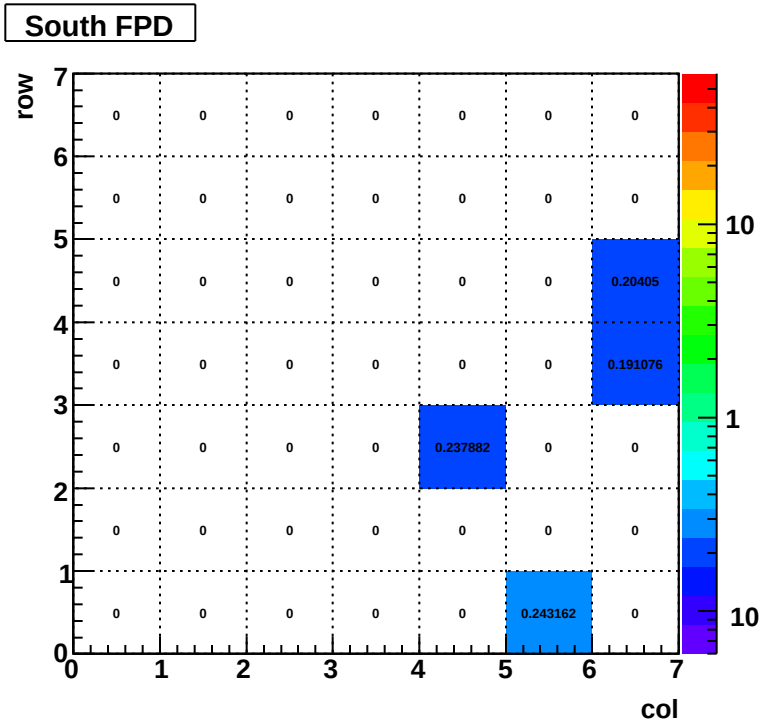
(2) Energy=24.435534 Y=-3.825555 Phi=3.007795

M12=0.538 Y12=-3.640 Phi12=3.141 E12=55.022

SumN(-) = 27 SumN(+)= 48 AN/.6=0.467







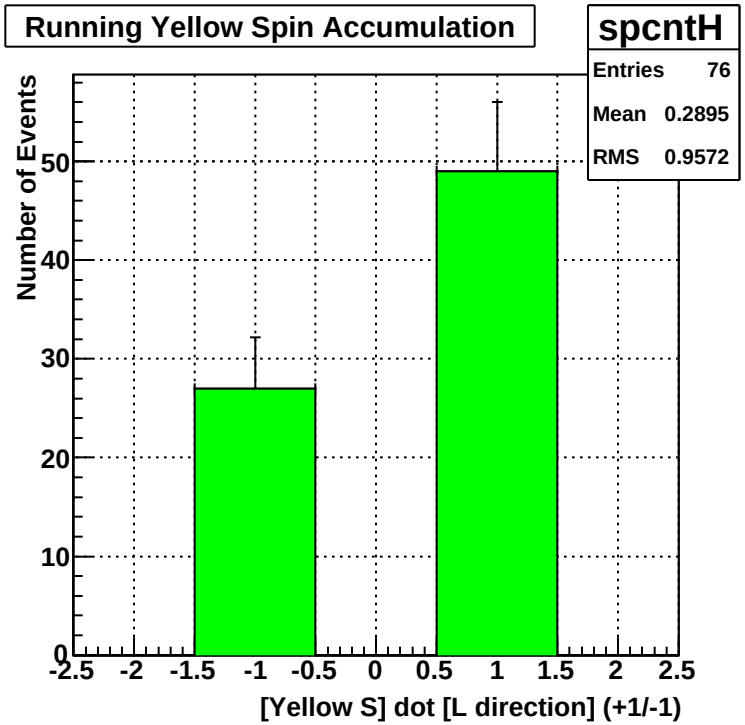
76) Rnum=7118077 EventN=800592 (3 Yu-N[+])

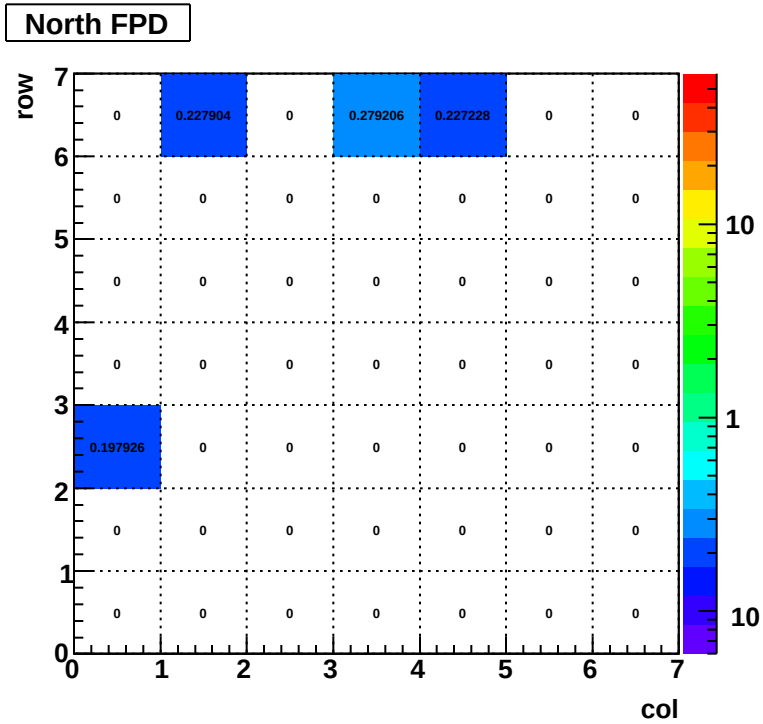
(1) Energy=29.440584 Y=-3.913937 Phi=0.179897

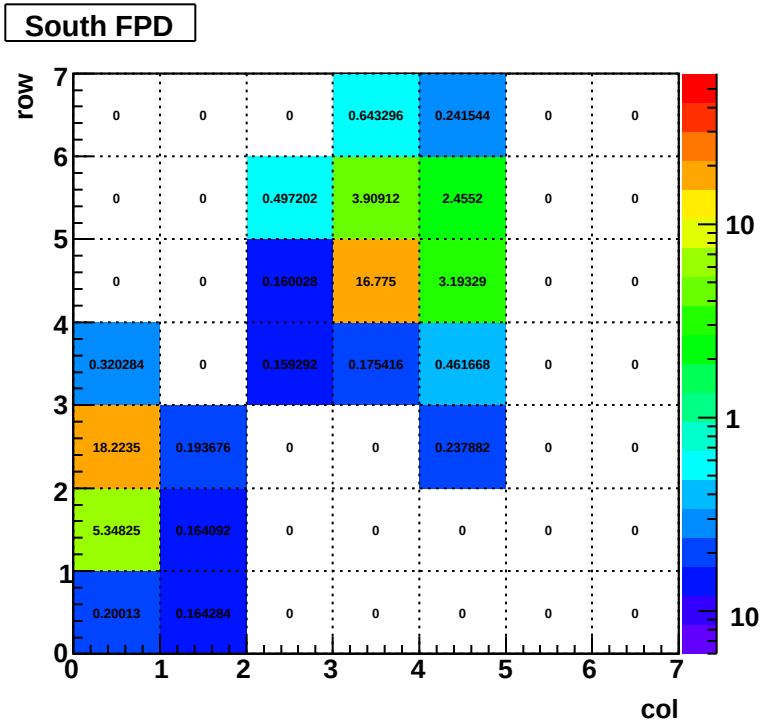
(2) Energy=27.790997 Y=-3.570605 Phi=-0.102108

M12=0.603 Y12=-3.742 Phi12=0.019 E12=57.232

SumN(-) = 27 SumN(+)= 49 AN/.6=0.482







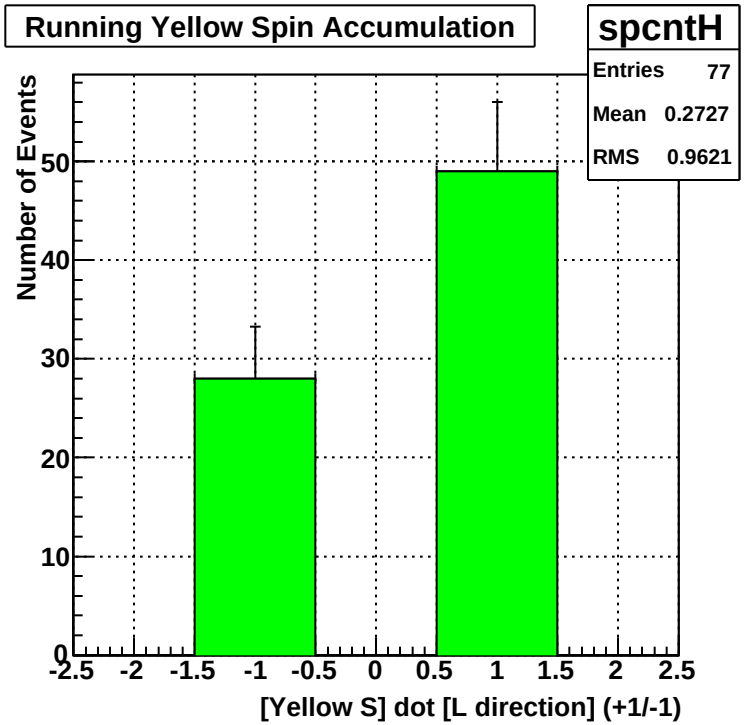
77) Rnum=7118078 EventN=4904827 (1 Yu-S[-])

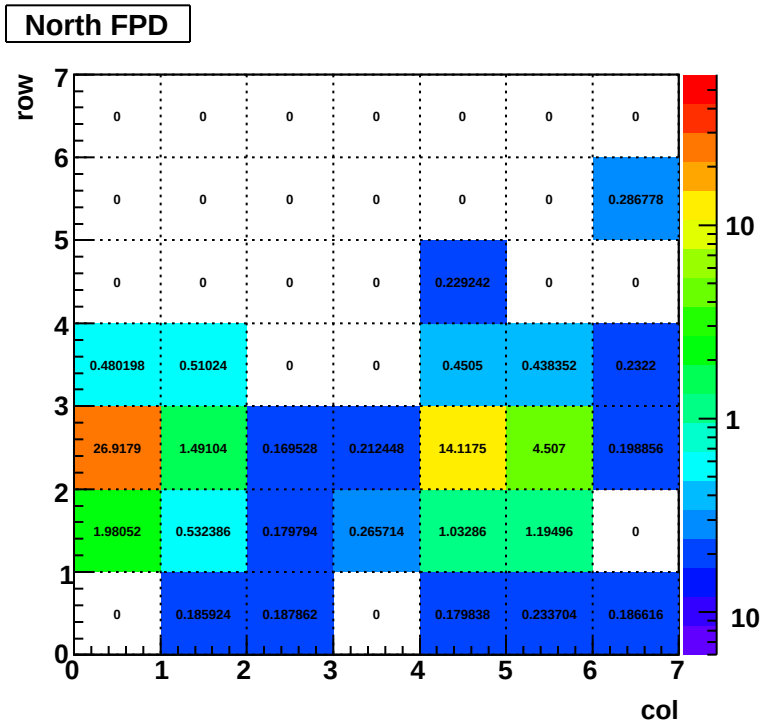
(1) Energy=34.948956 Y=-3.885738 Phi=2.992876

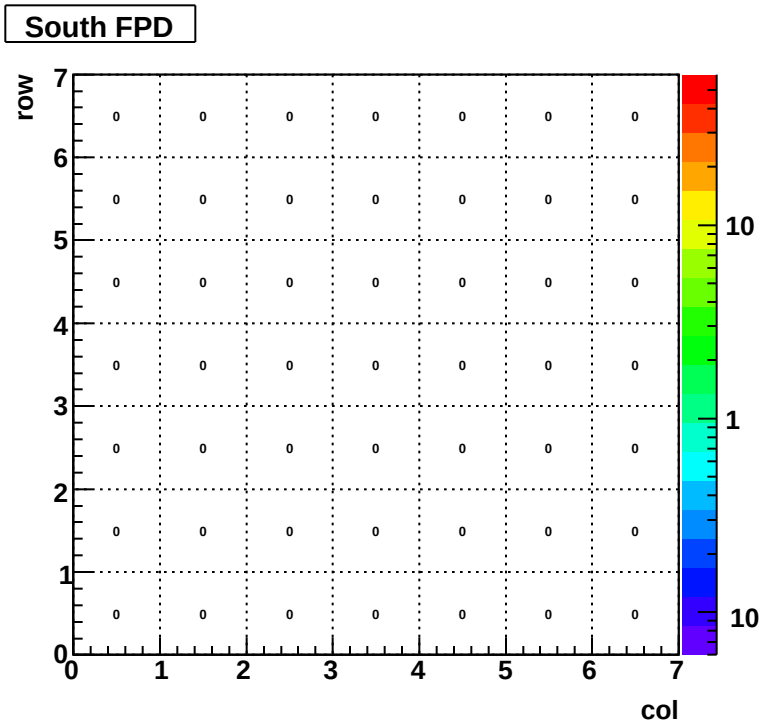
(2) Energy=22.012587 Y=-3.486520 Phi=3.041731

M12=0.563 Y12=-3.712 Phi12=3.017 E12=56.962

SumN(-) = 28 SumN(+)= 49 AN/.6=0.455







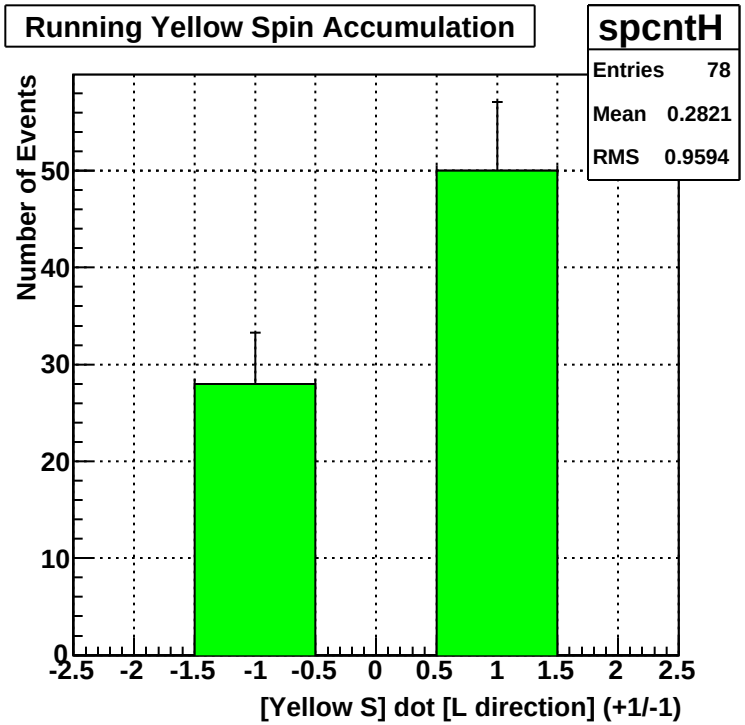
78) Rnum=7118078 EventN=8002294 (1 Yu-N[+])

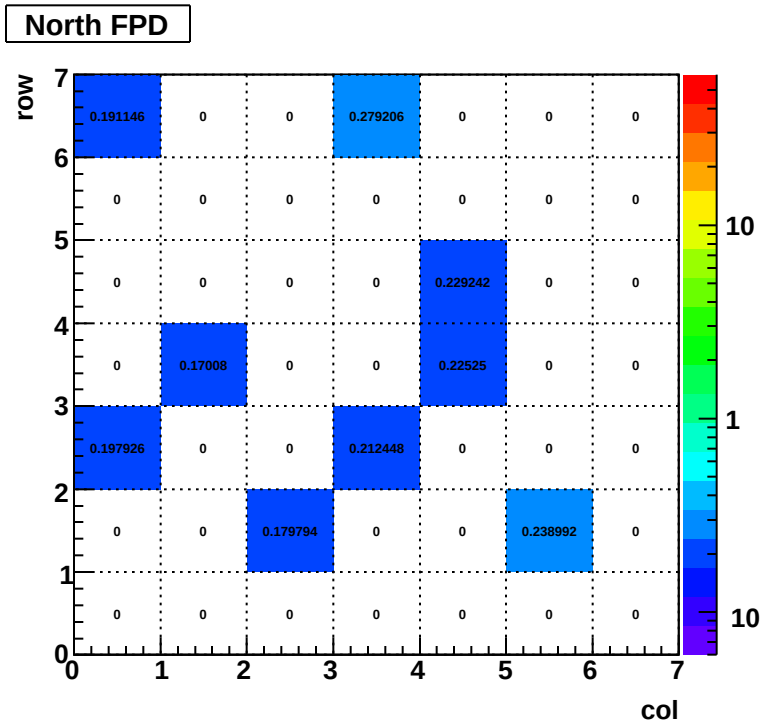
(1) Energy=30.690239 Y=-3.548167 Phi=-0.073597

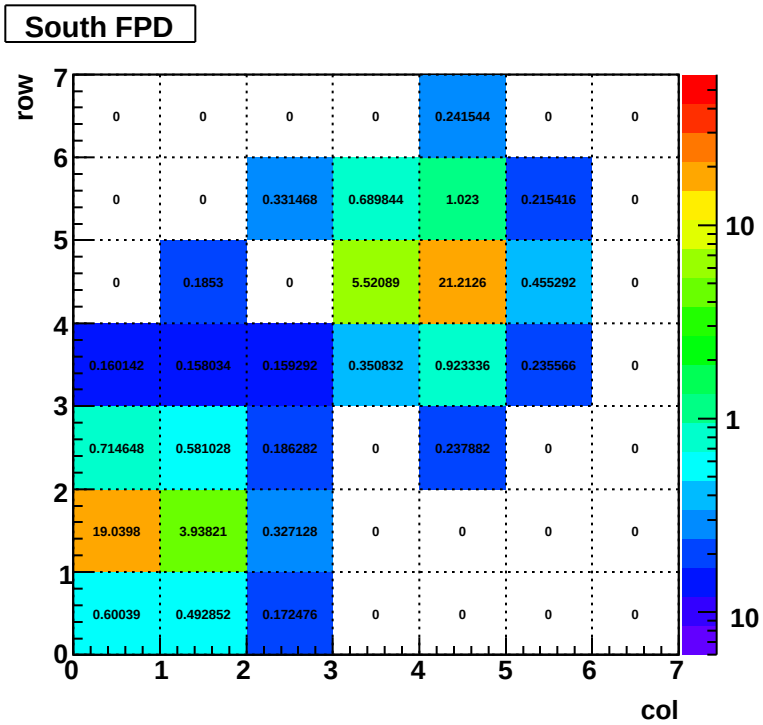
(2) Energy=27.560236 Y=-3.838680 Phi=0.237276

M12=0.615 Y12=-3.687 Phi12=0.051 E12=58.250

SumN(-) = 28 SumN(+)= 50 AN/.6=0.470







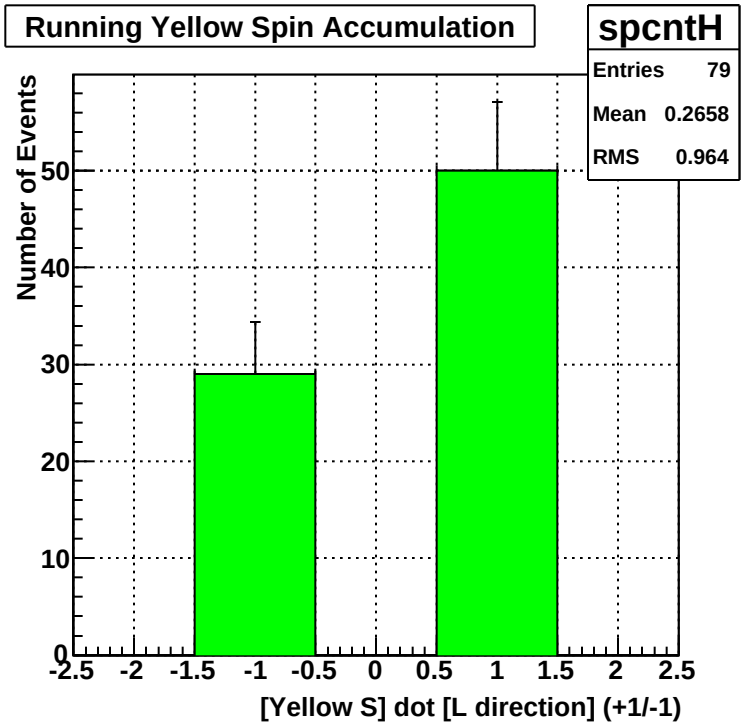
79) Rnum=7118081 EventN=206623 (0 Yd-N[-])

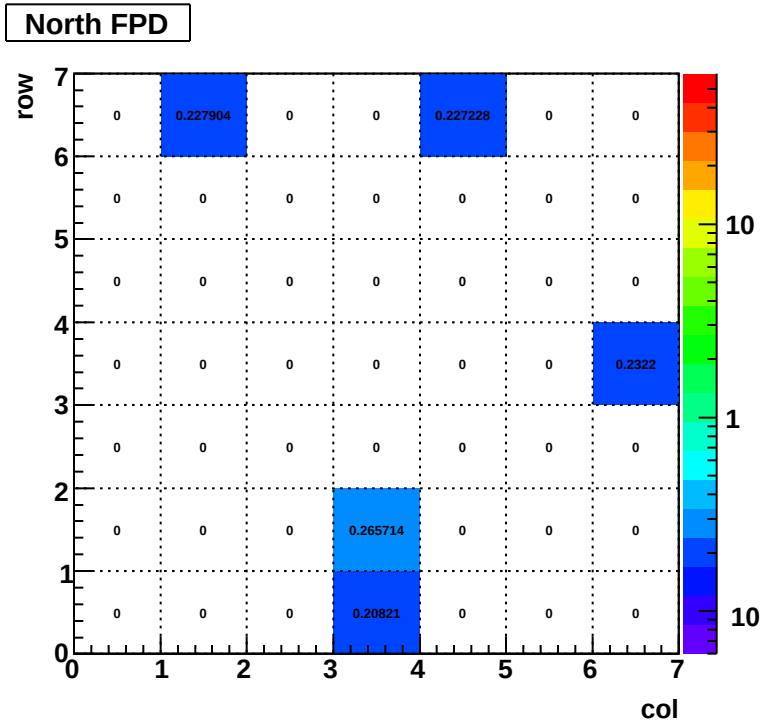
(1) Energy=43.468159 Y=-3.771747 Phi=-0.162880

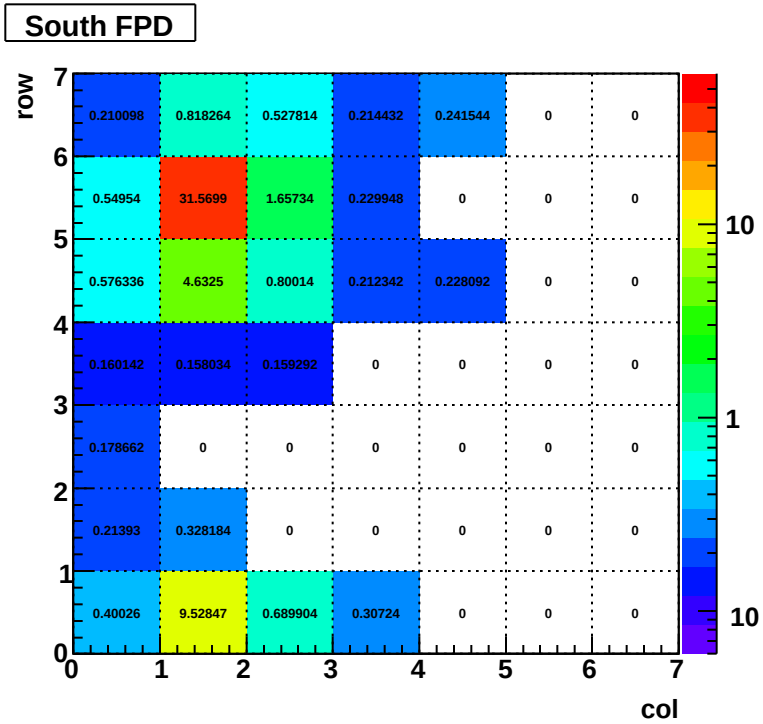
(2) Energy=13.090369 Y=-3.731187 Phi=0.321199

M12=0.539 Y12=-3.784 Phi12=-0.049 E12=56.559

SumN(-) = 29 SumN(+)= 50 AN/.6=0.443







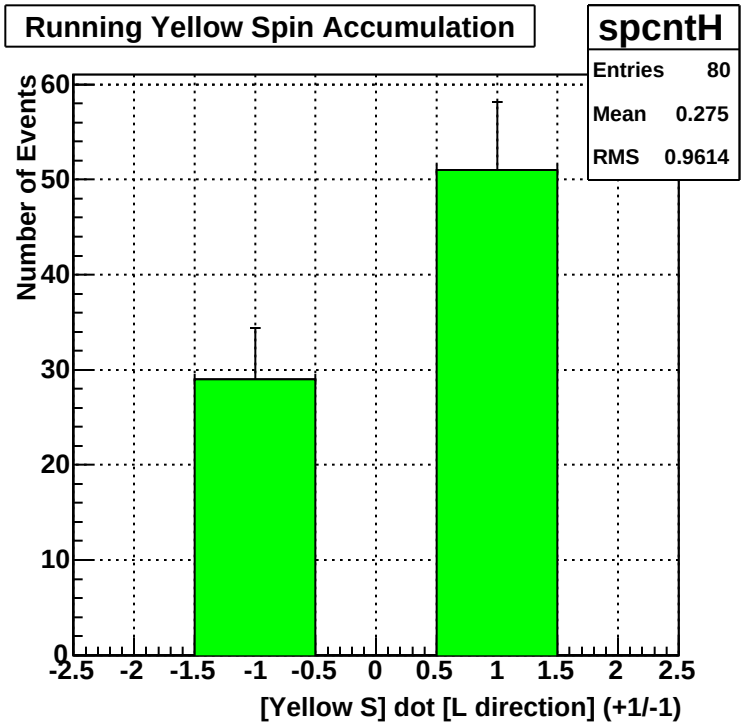
80) Rnum=7118082 EventN=208567 (3 Yu-N[+])

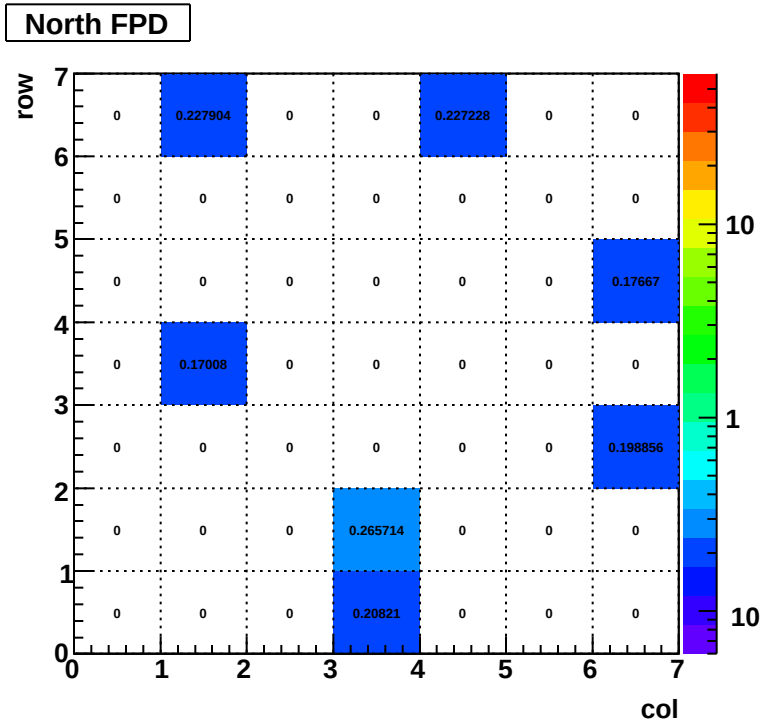
(1) Energy=33.820892 Y=-3.785102 Phi=-0.199664

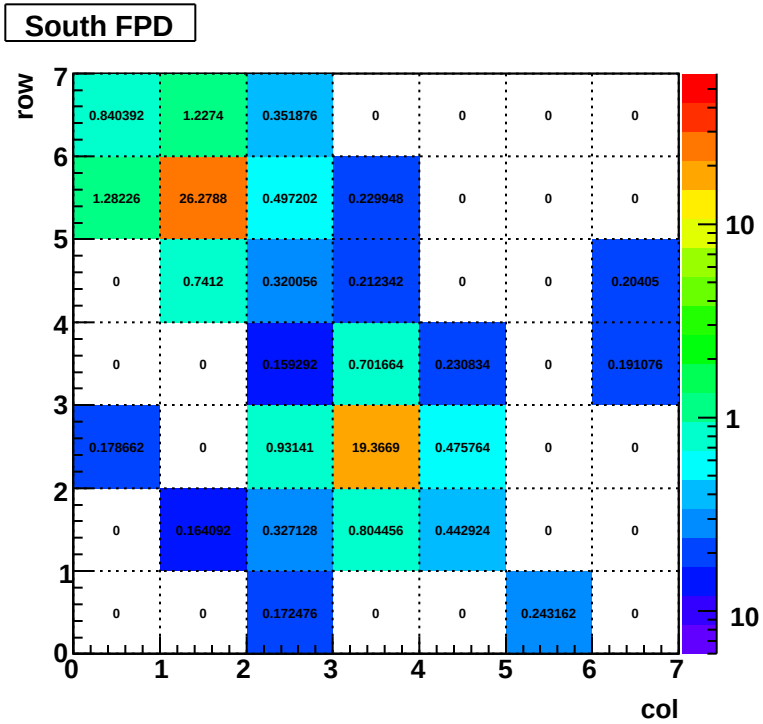
(2) Energy=22.612062 Y=-3.606077 Phi=0.101318

M12=0.480 Y12=-3.721 Phi12=-0.066 E12=56.433

SumN(-) = 29 SumN(+)= 51 AN/.6=0.458







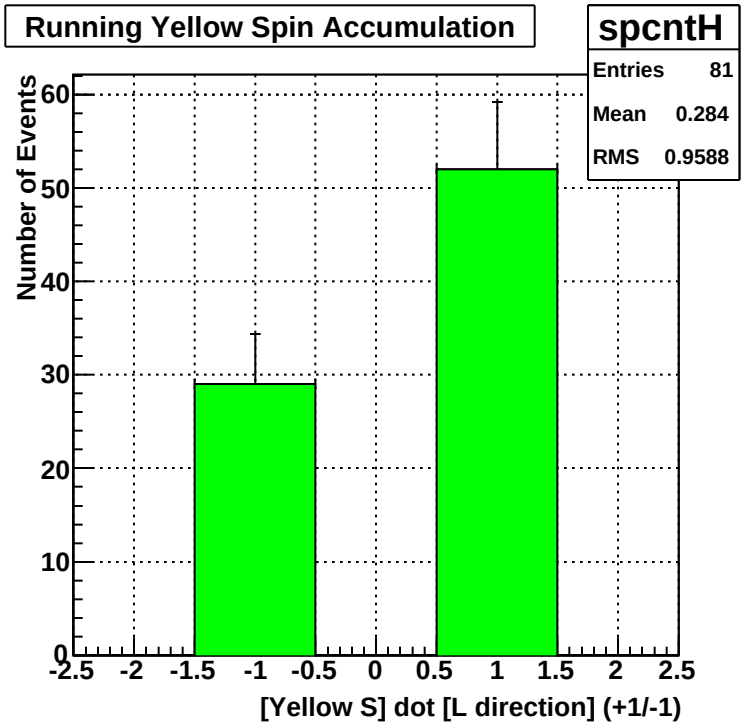
81) Rnum=7118082 EventN=509647 (0 Yd-S[+])

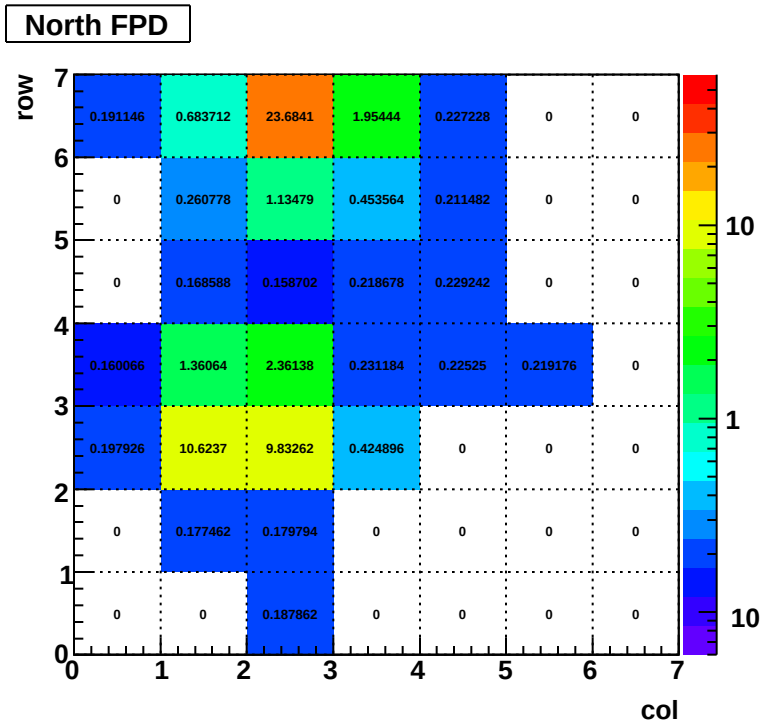
(1) Energy=30.996811 Y=-3.648304 Phi=-2.883426

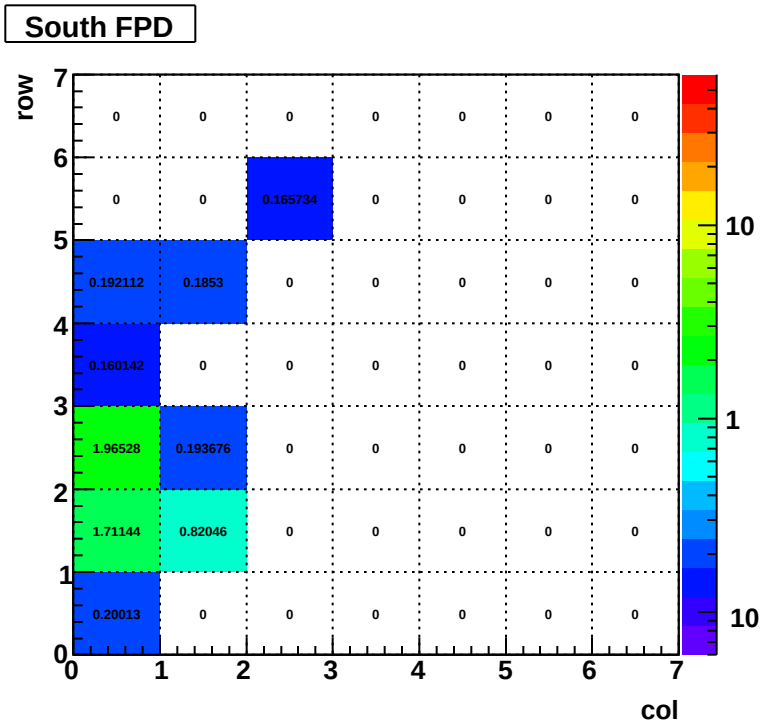
(2) Energy=26.278009 Y=-3.739955 Phi=3.054497

M12=0.504 Y12=-3.704 Phi12=-3.034 E12=57.275

SumN(-) = 29 SumN(+)= 52 AN/.6=0.473







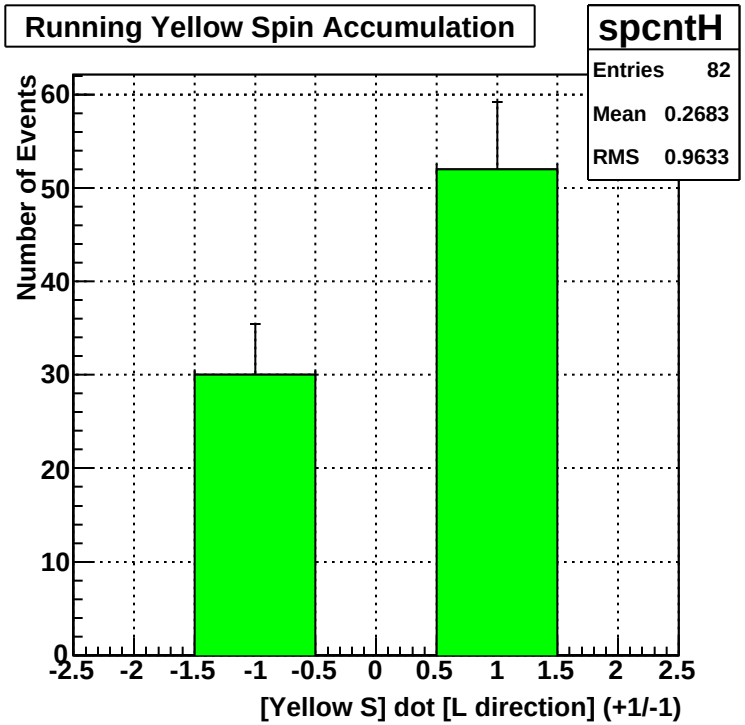
82) Rnum=7118083 EventN=3306425 (2 Yd-N[-])

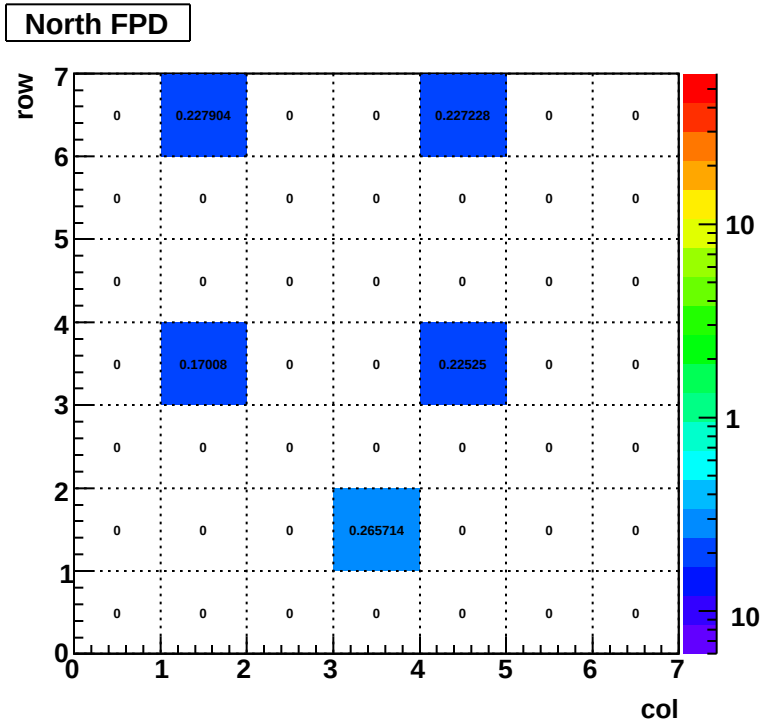
(1) Energy=22.345127 Y=-3.890472 Phi=0.257408

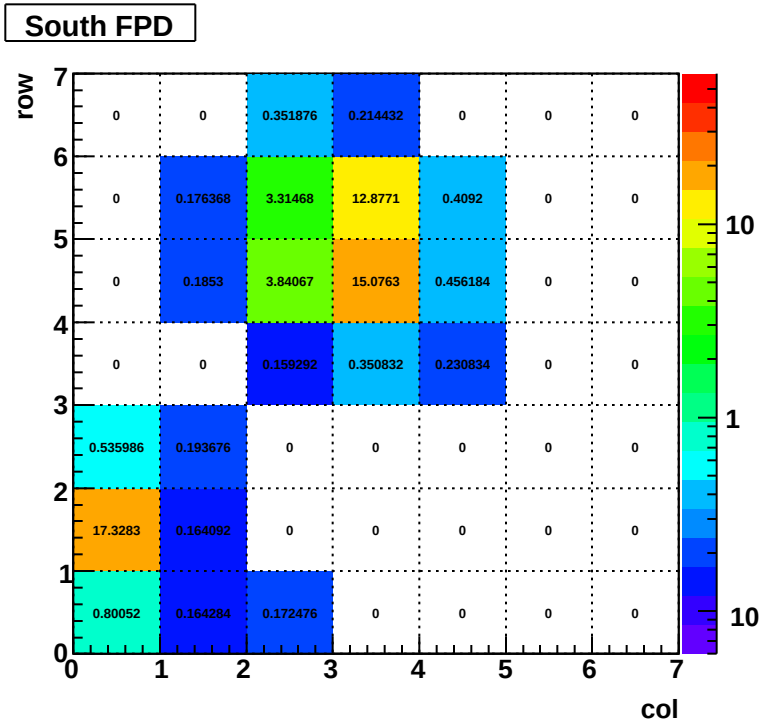
(2) Energy=37.538845 Y=-3.627856 Phi=-0.119048

M12=0.618 Y12=-3.733 Phi12=-0.002 E12=59.884

SumN(-) = 30 SumN(+)= 52 AN/.6=0.447







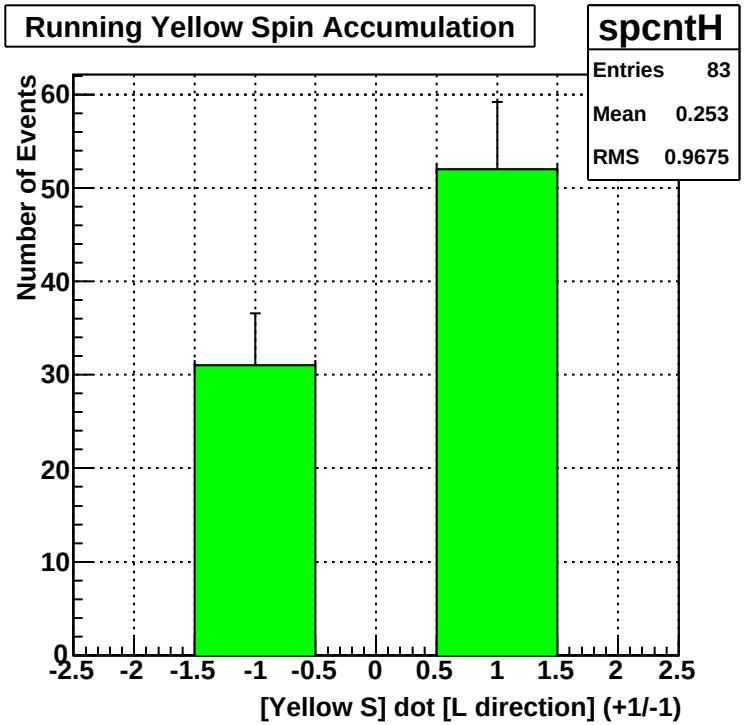
83) Rnum=7118083 EventN=3807099 (0 Yd-N[-])

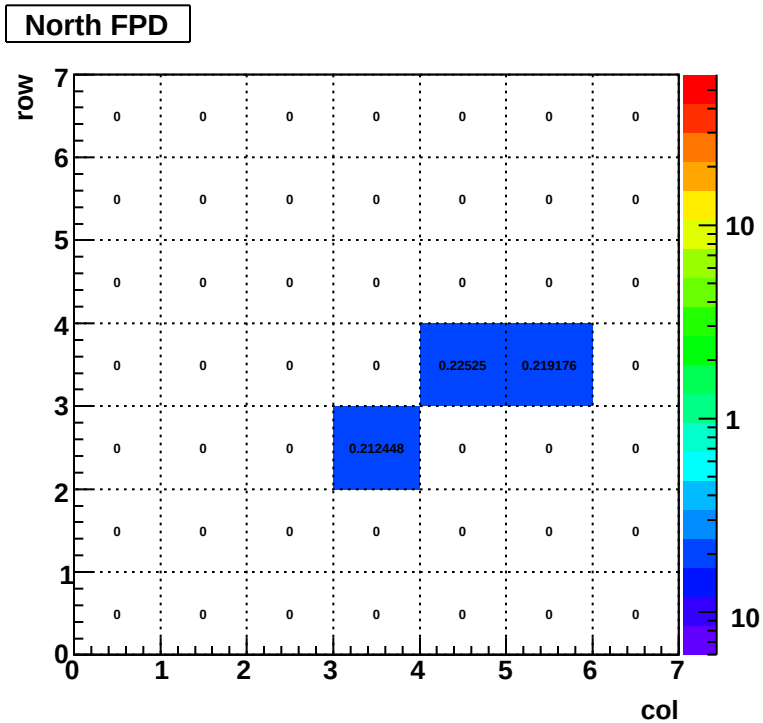
(1) Energy=34.267998 Y=-3.837862 Phi=-0.192110

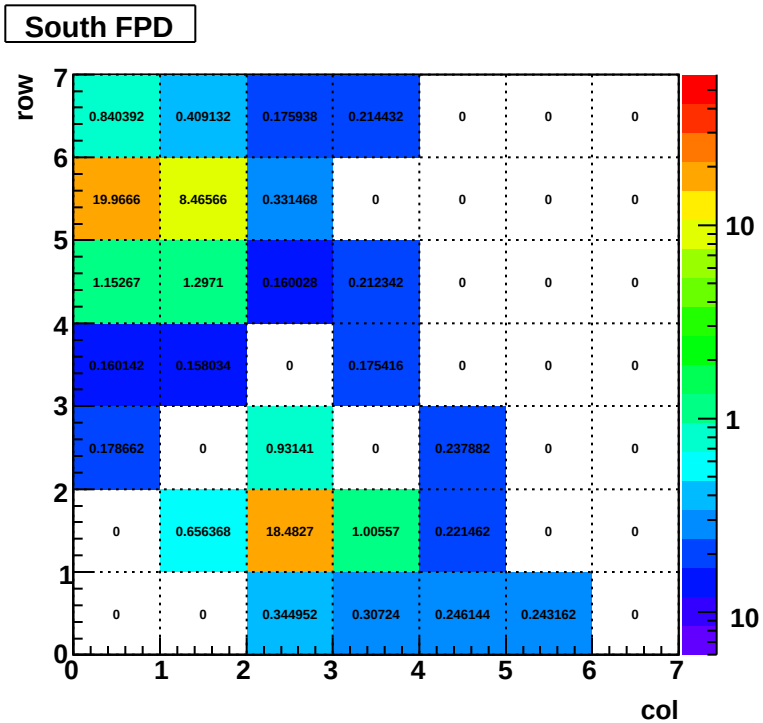
(2) Energy=23.551960 Y=-3.671888 Phi=0.192228

M12=0.554 Y12=-3.785 Phi12=-0.020 E12=57.820

SumN(-) = 31 SumN(+)= 52 AN/.6=0.422







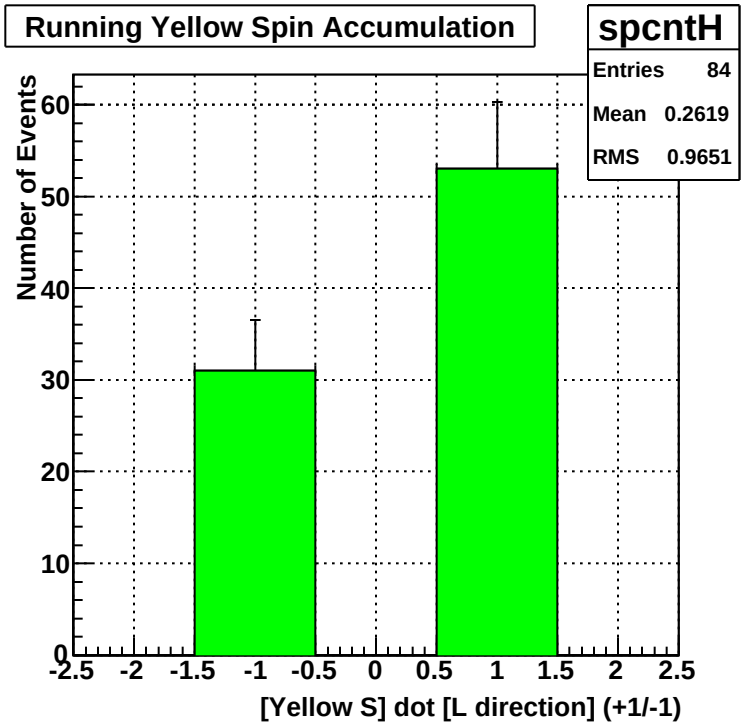
84) Rnum=7118083 EventN=4206795 (3 Yu-N[+])

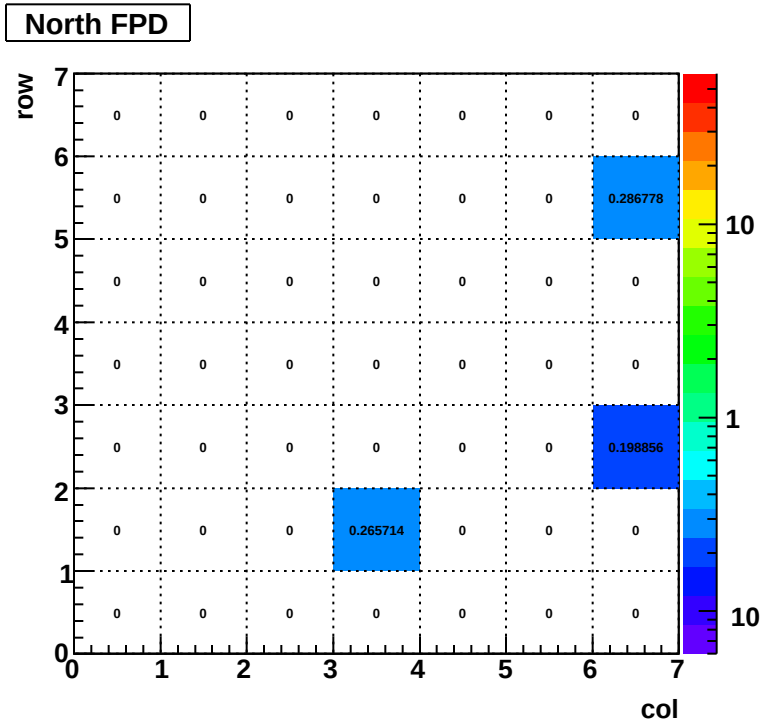
(1) Energy=30.257463 Y=-3.523188 Phi=0.024825

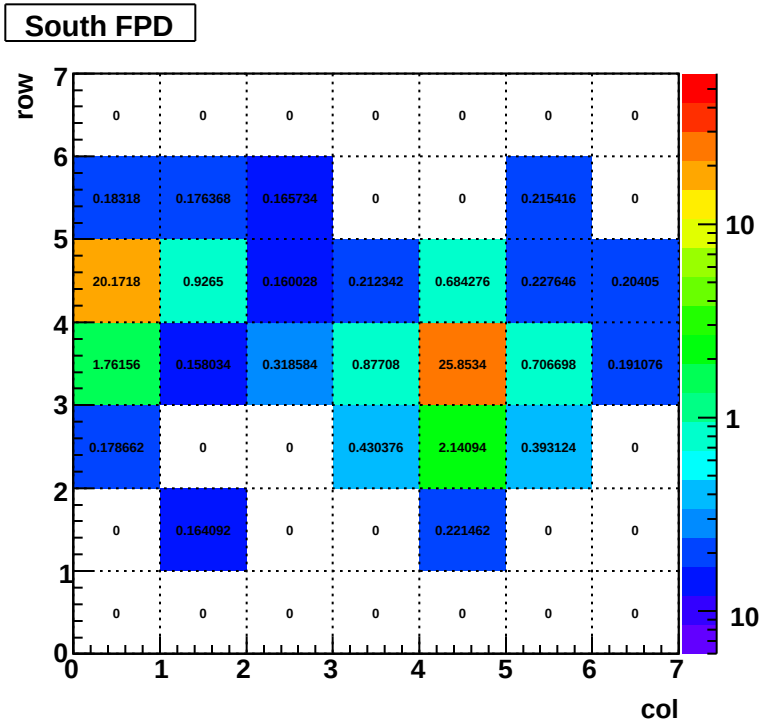
(2) Energy=26.803814 Y=-3.905835 Phi=-0.078120

M12=0.553 Y12=-3.686 Phi12=-0.014 E12=57.061

SumN(-) = 31 SumN(+)= 53 AN/.6=0.437







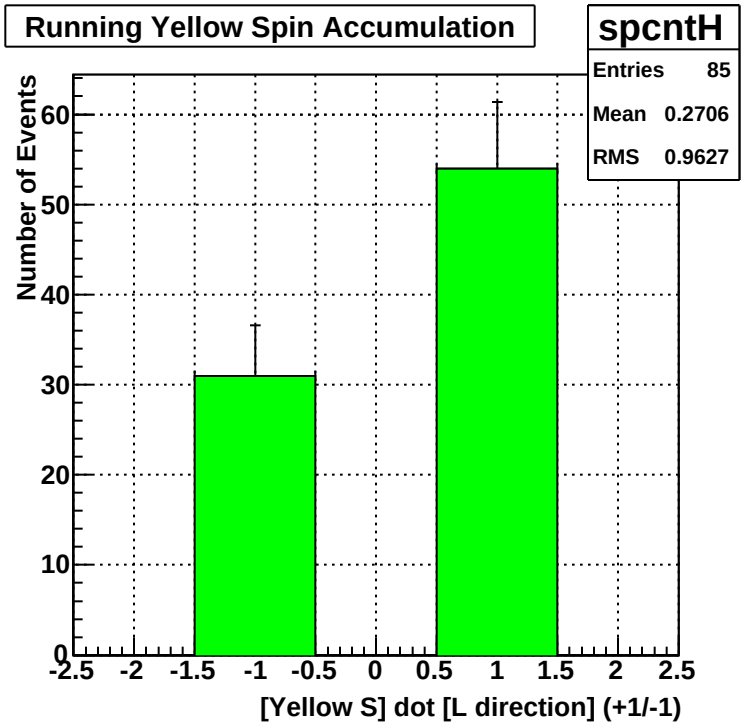
85) Rnum=7118083 EventN=5005783 (1 Yu-N[+])

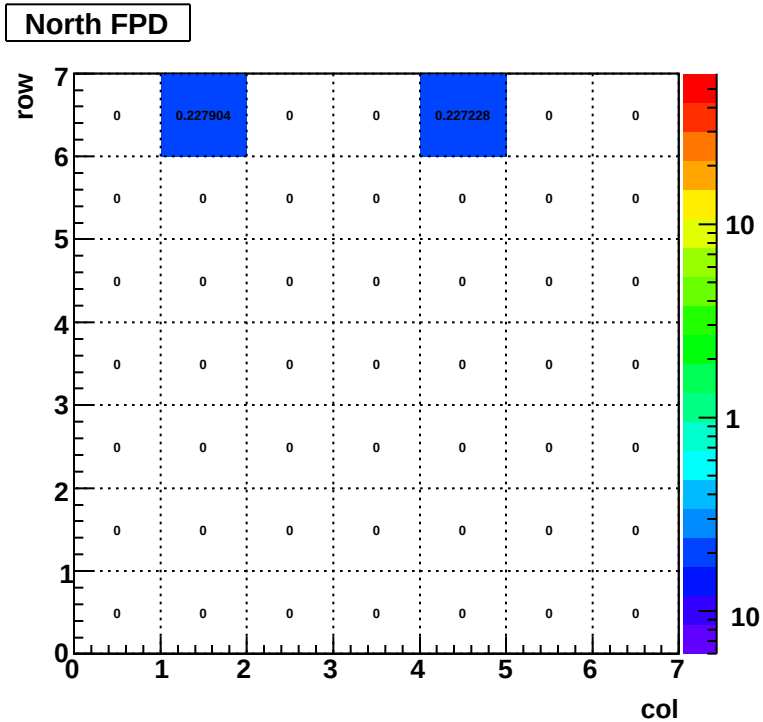
(1) Energy=28.221676 Y=-3.744131 Phi=0.123195

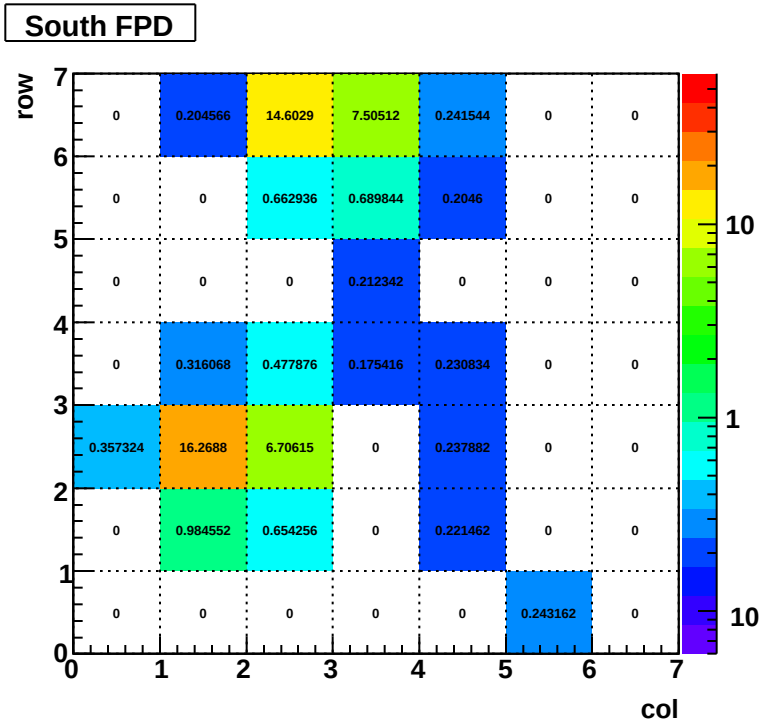
(2) Energy=26.922167 Y=-3.621043 Phi=-0.257477

M12=0.551 Y12=-3.700 Phi12=-0.074 E12=55.144

SumN(-) = 31 SumN(+)= 54 AN/.6=0.451







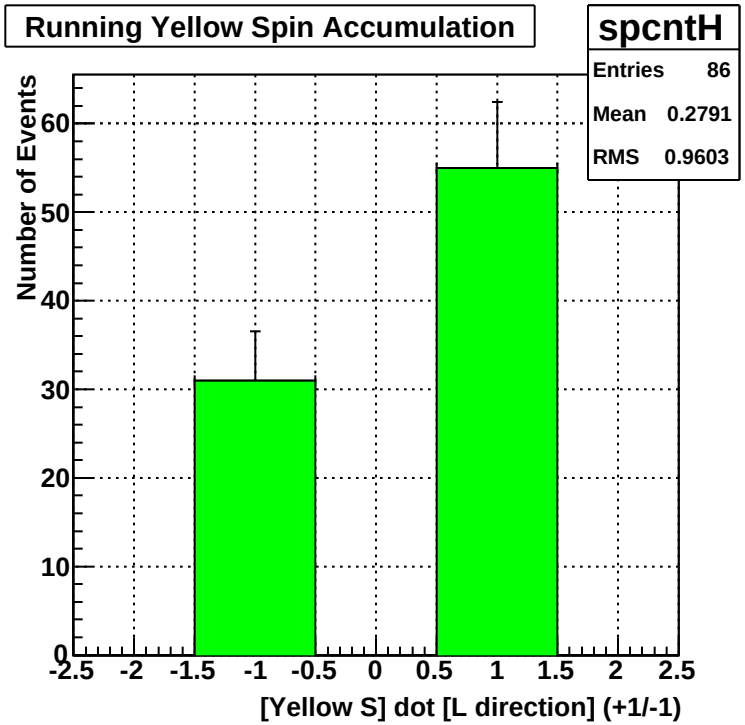
86) Rnum=7118083 EventN=7504911 (1 Yu-N[+])

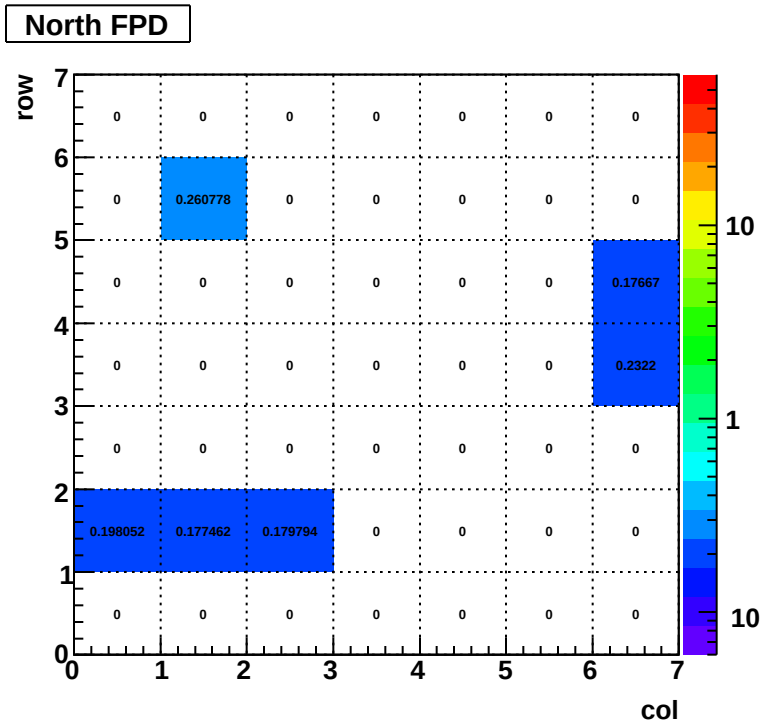
(1) Energy=31.123228 Y=-3.654827 Phi=0.039207

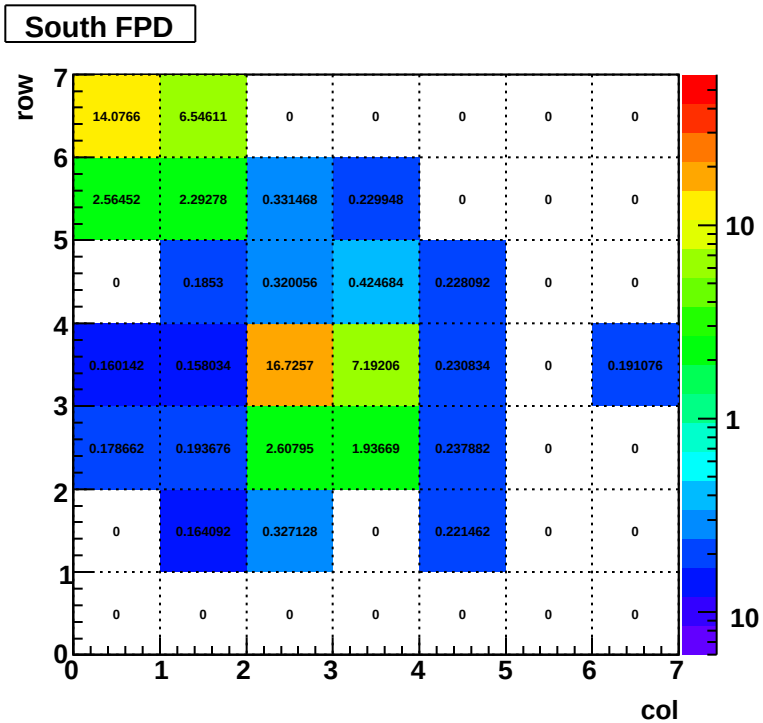
(2) Energy=27.355547 Y=-3.816673 Phi=-0.273413

M12=0.488 Y12=-3.739 Phi12=-0.094 E12=58.479

SumN(-) = 31 SumN(+)= 55 AN/.6=0.465







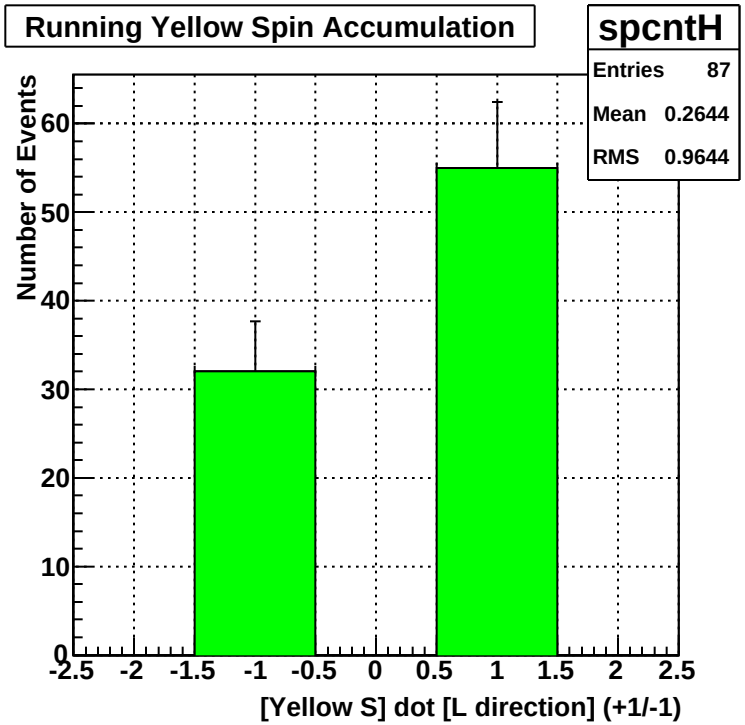
87) Rnum=7118083 EventN=7906917 (2 Yd-N[-])

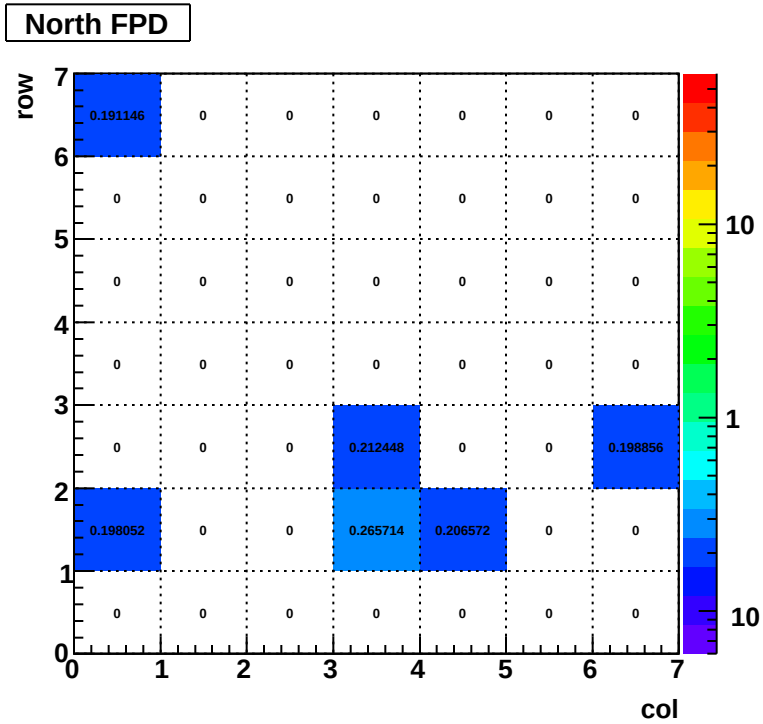
(1) Energy=32.722488 Y=-3.721141 Phi=0.281883

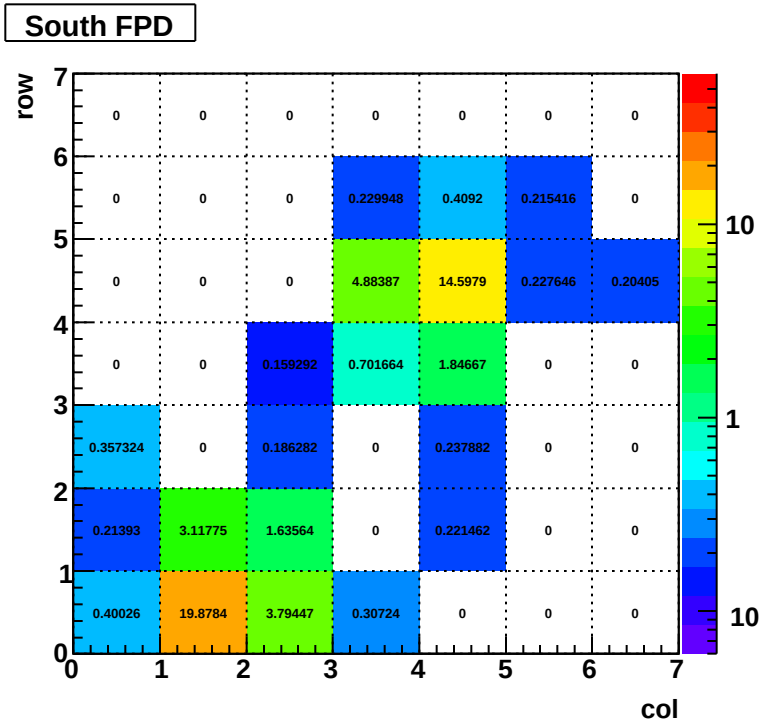
(2) Energy=23.144878 Y=-3.552361 Phi=-0.053448

M12=0.542 Y12=-3.662 Phi12=0.129 E12=55.867

SumN(-) = 32 SumN(+)= 55 AN/.6=0.441







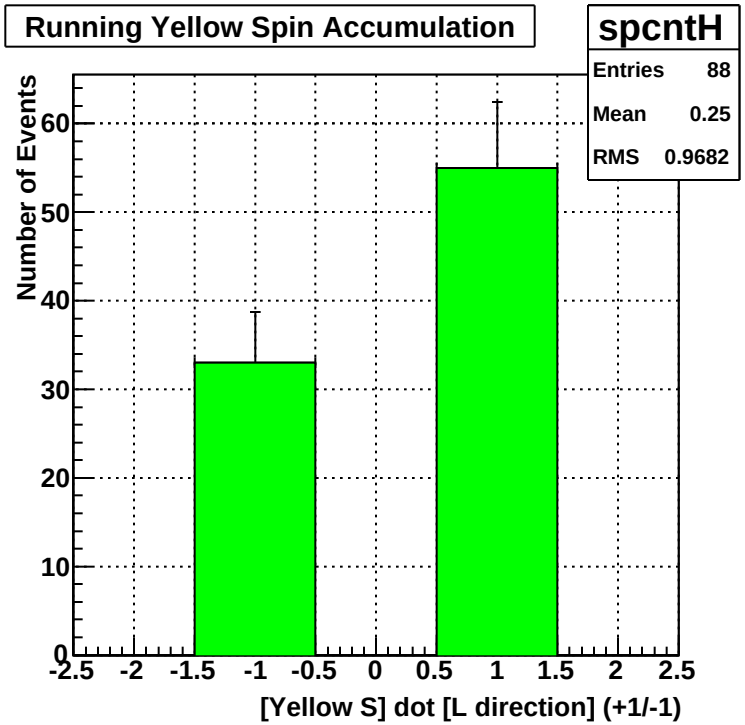
88) Rnum=7118083 EventN=2602302 (1 Yu-S[-])

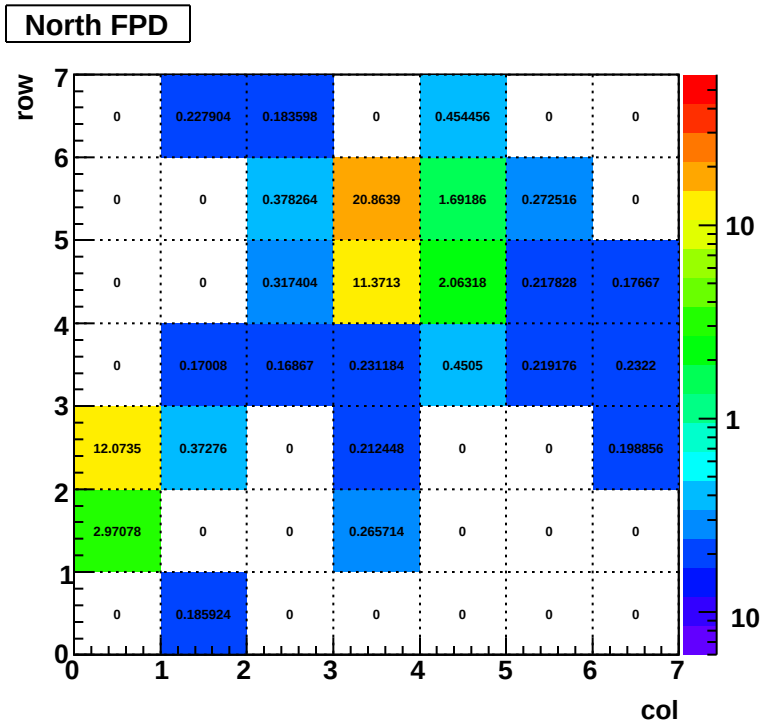
(1) Energy=38.645874 Y=-3.581136 Phi=-3.023002

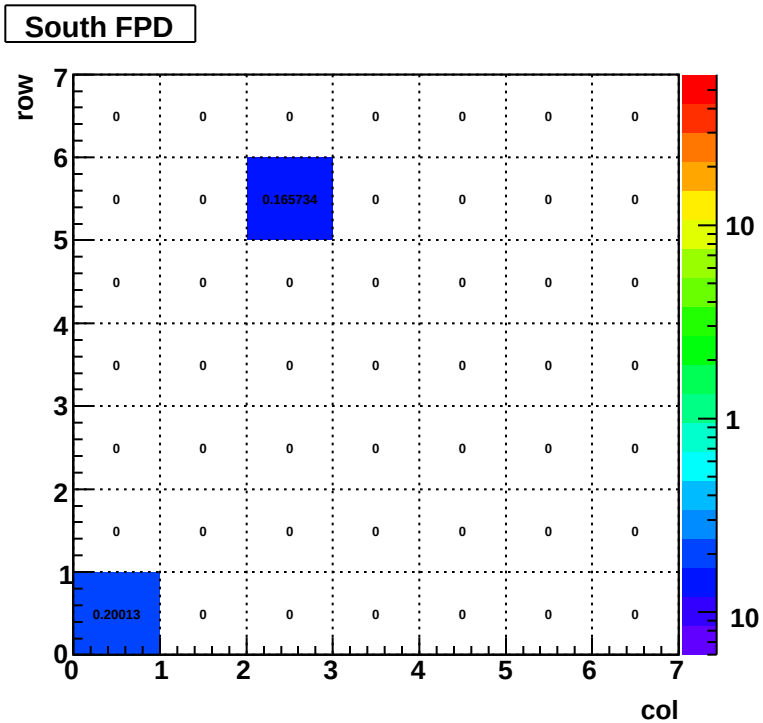
(2) Energy=18.090696 Y=-3.900275 Phi=2.966115

M12=0.545 Y12=-3.680 Phi12=-3.097 E12=56.737

SumN(-) = 33 SumN(+)= 55 AN/.6=0.417







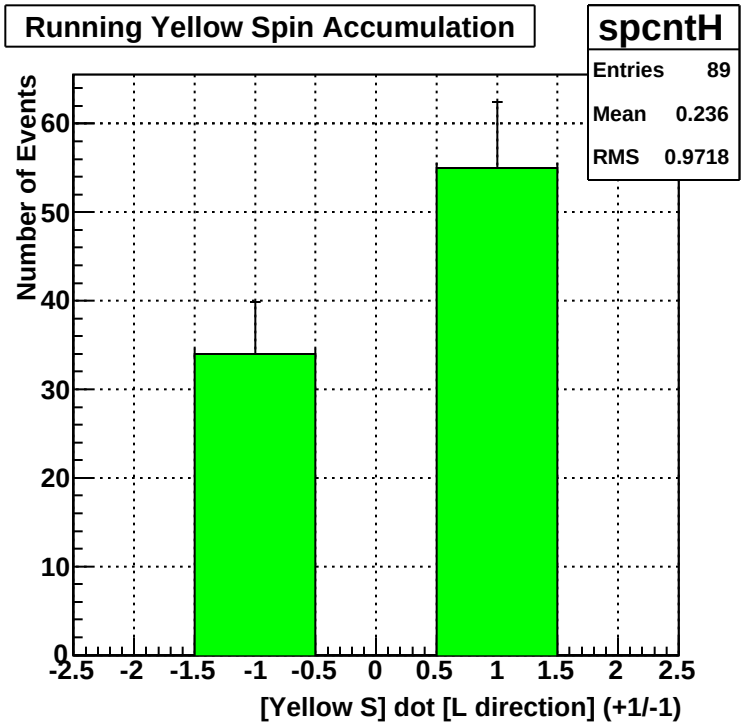
89) Rnum=7118084 EventN=3007410 (3 Yu-S[-])

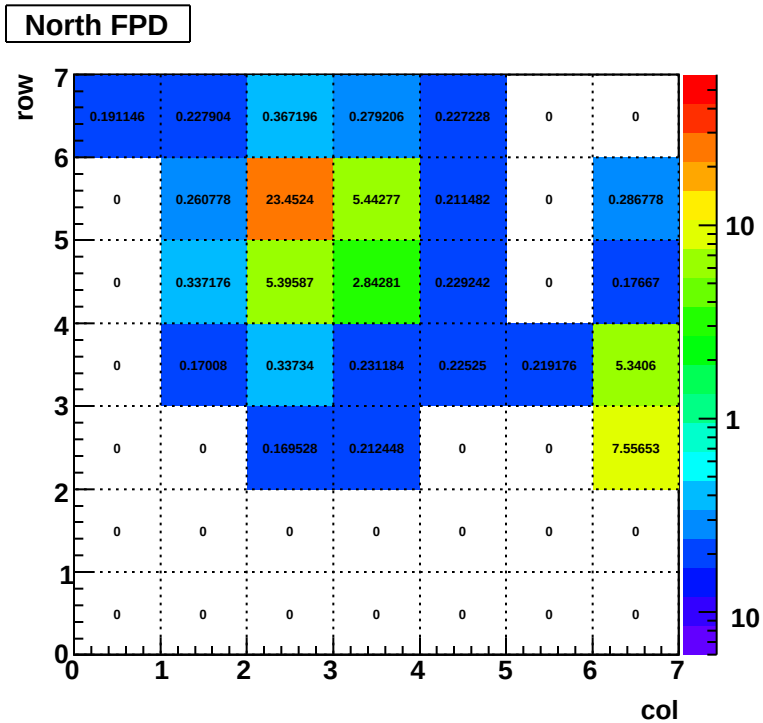
(1) Energy=40.888725 Y=-3.653007 Phi=-3.006153

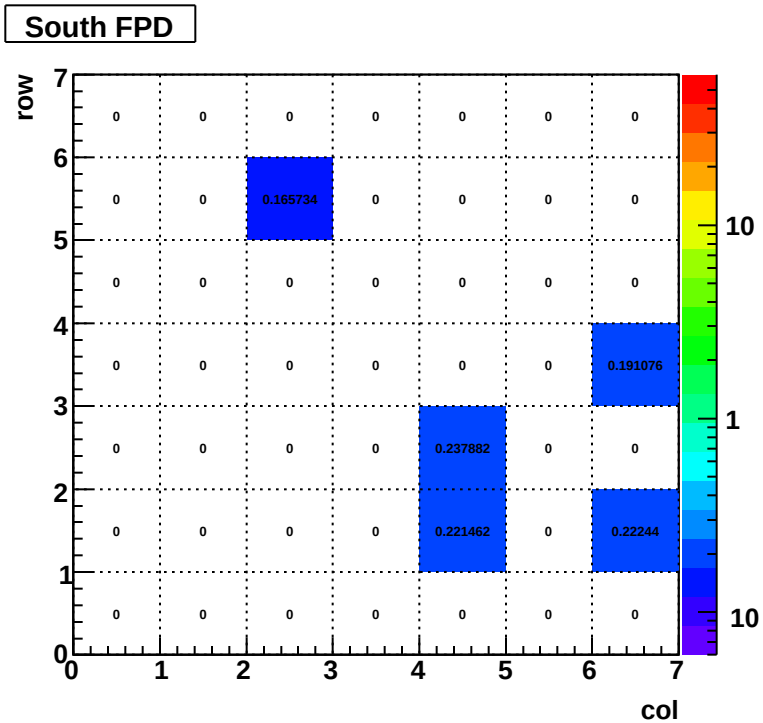
(2) Energy=17.927696 Y=-3.360958 Phi=3.095278

M12=0.559 Y12=-3.558 Phi12=-3.073 E12=58.816

SumN(-) = 34 SumN(+)= 55 AN/.6=0.393







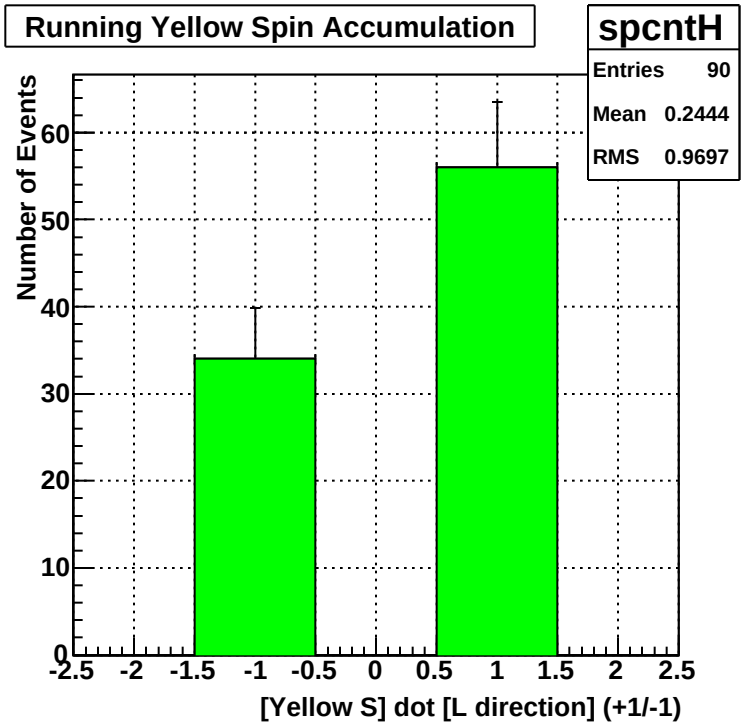
90) Rnum=7118084 EventN=3407937 (3 Yu-N[+])

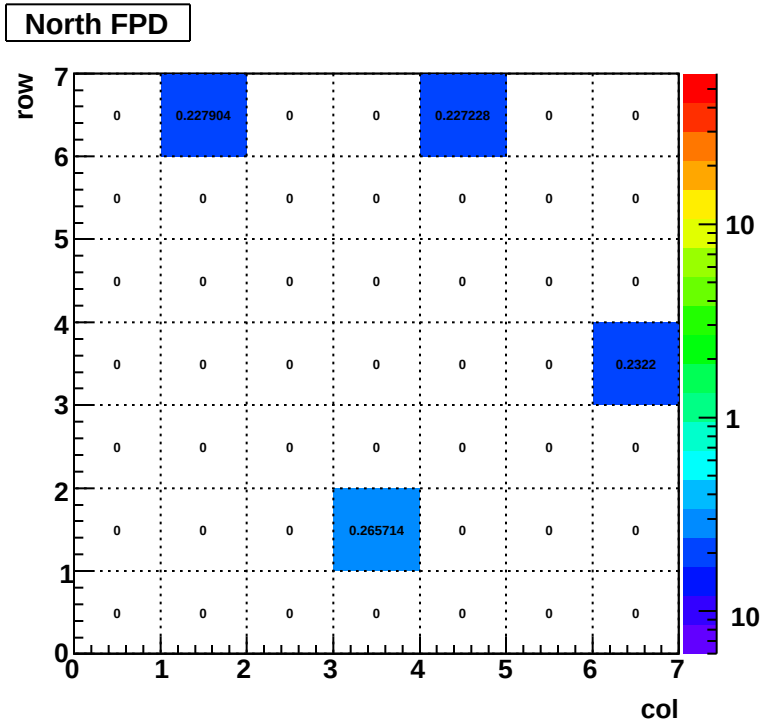
(1) Energy=33.794315 Y=-3.634992 Phi=-0.033744

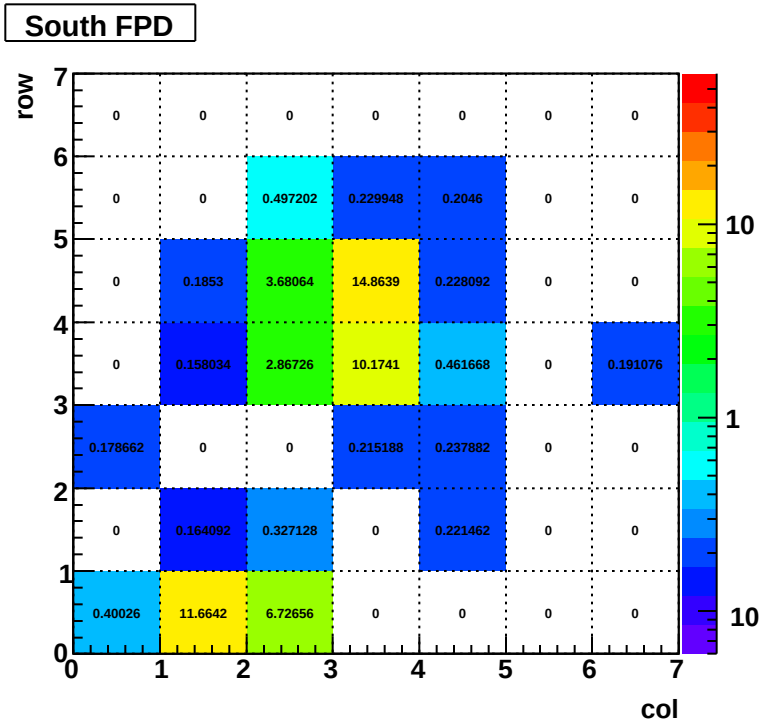
(2) Energy=23.479248 Y=-3.695131 Phi=0.322472

M12=0.518 Y12=-3.674 Phi12=0.107 E12=57.274

SumN(-) = 34 SumN(+)= 56 AN/.6=0.407







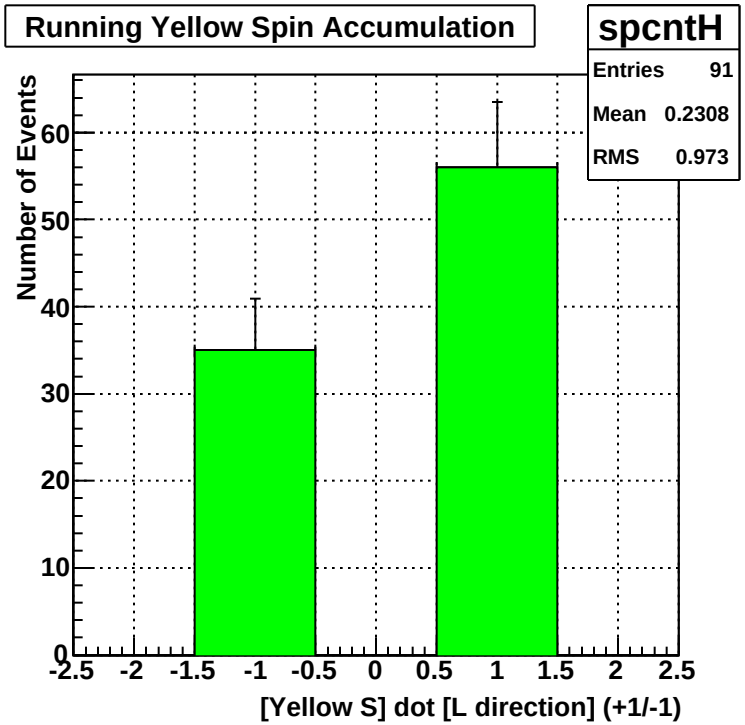
91) Rnum=7118084 EventN=6505388 (0 Yd-N[-])

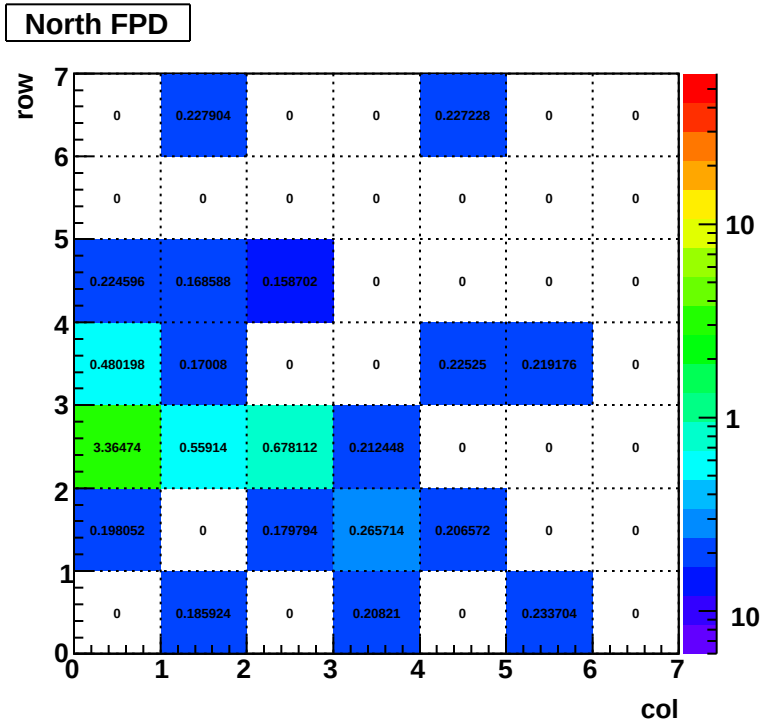
(1) Energy=46.747749 Y=-3.561484 Phi=-0.180741

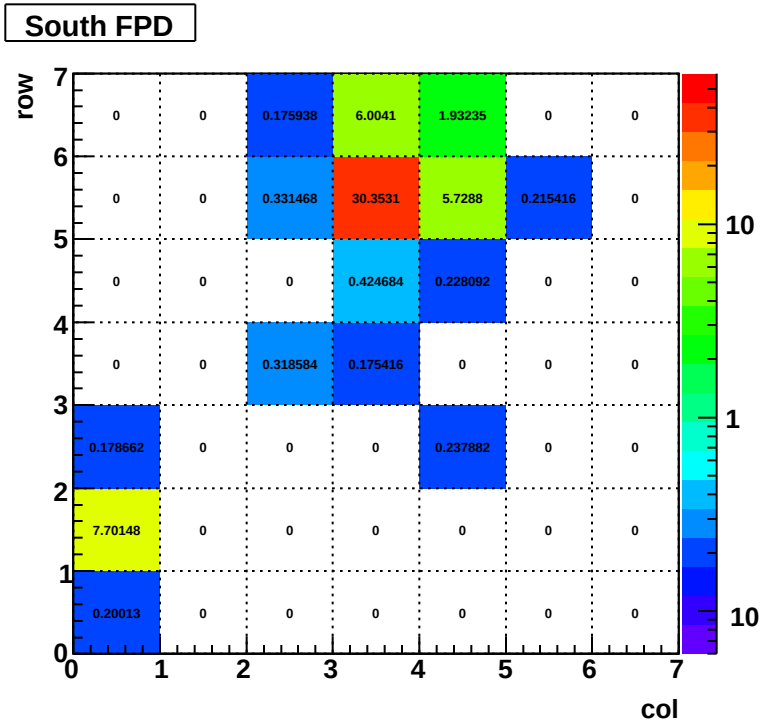
(2) Energy=9.180070 Y=-3.874814 Phi=0.244116

M12=0.529 Y12=-3.616 Phi12=-0.128 E12=55.928

SumN(-) = 35 SumN(+)= 56 AN/.6=0.385







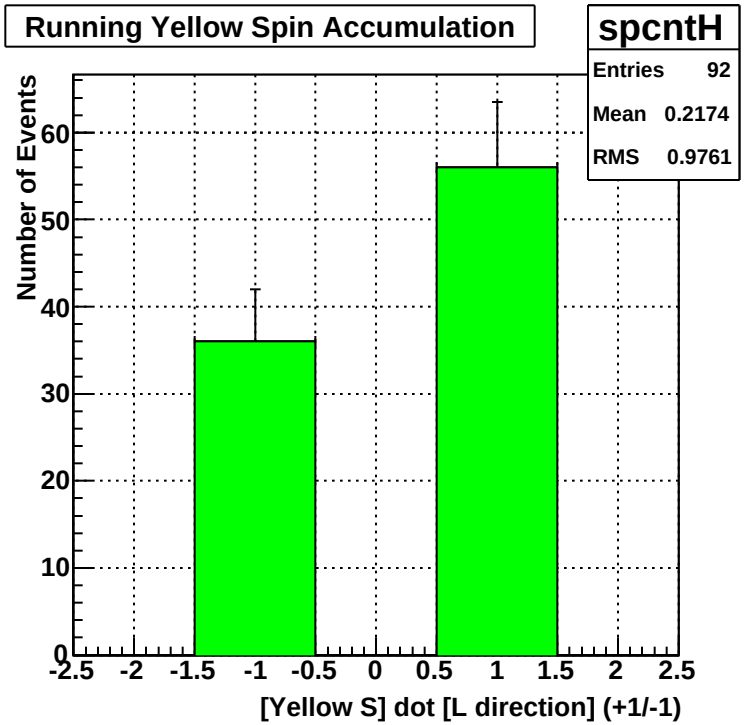
92) Rnum=7118084 EventN=702406 (0 Yd-N[-])

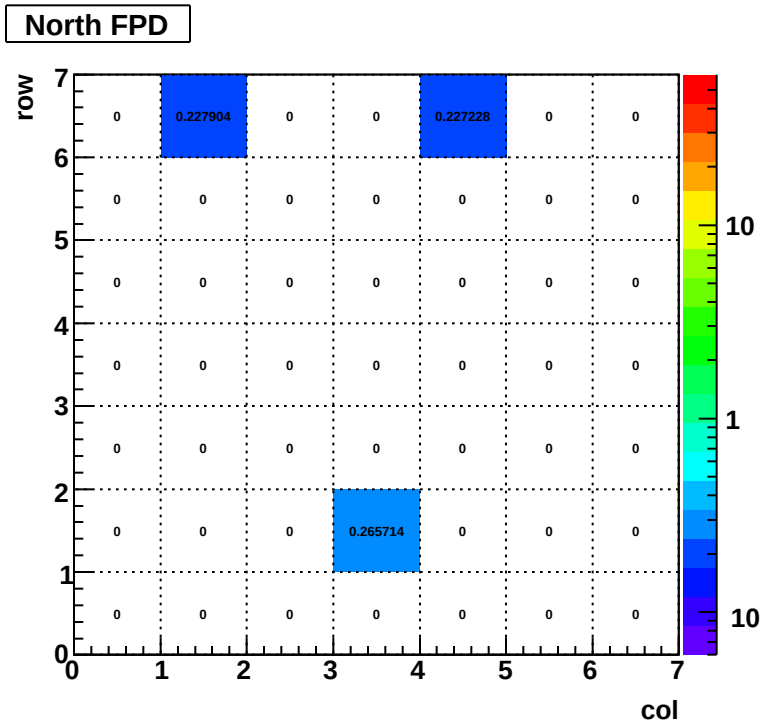
(1) Energy=38.973362 Y=-3.714999 Phi=0.219090

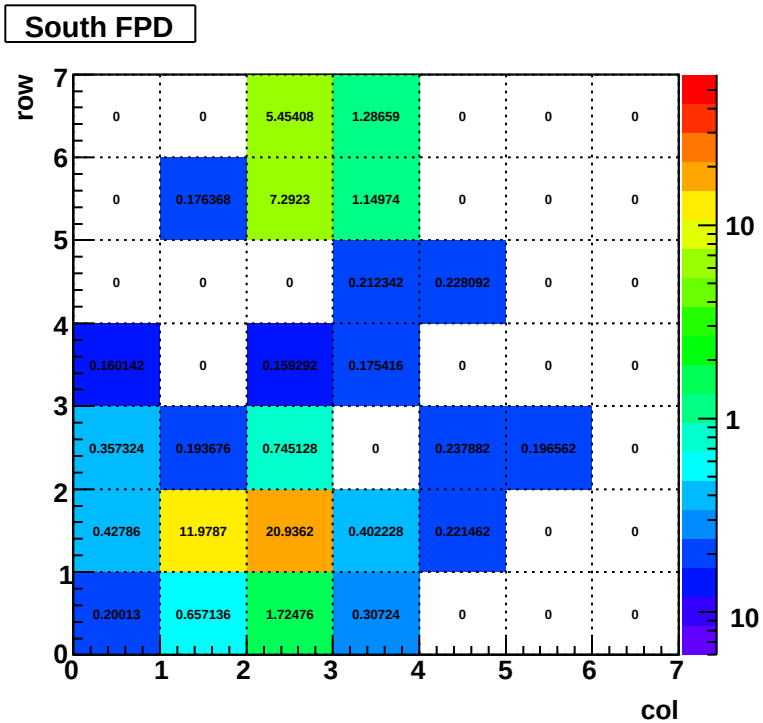
(2) Energy=16.942802 Y=-3.646534 Phi=-0.212114

M12=0.561 Y12=-3.714 Phi12=0.083 E12=55.916

SumN(-) = 36 SumN(+)= 56 AN/.6=0.362







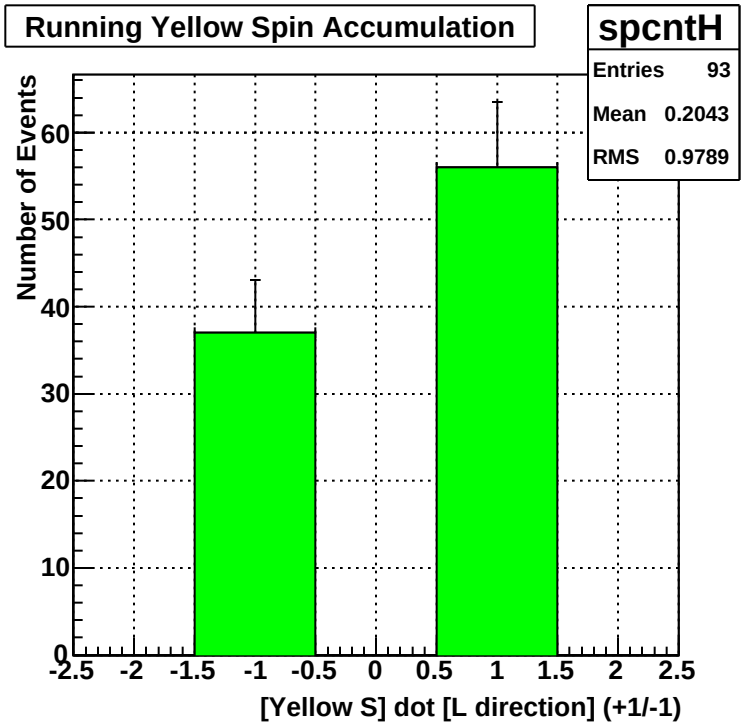
93) Rnum=7118085 EventN=2902618 (0 Yd-N[-])

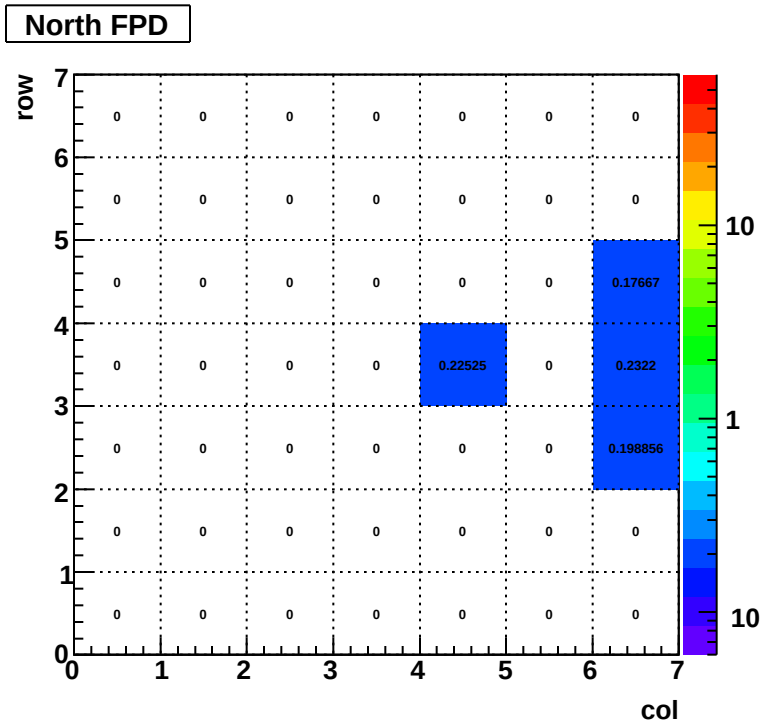
(1) Energy=28.463167 Y=-3.746178 Phi=0.337712

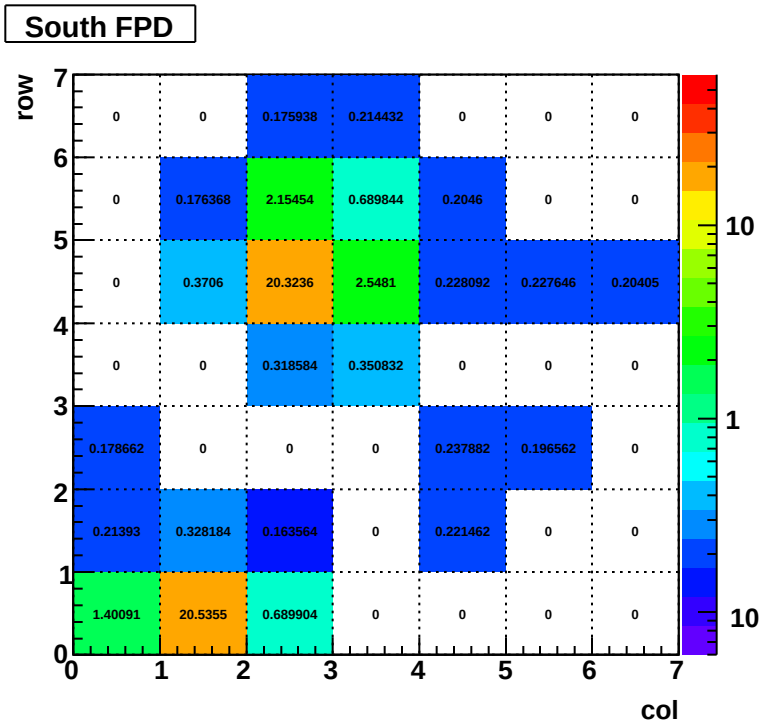
(2) Energy=28.524948 Y=-3.668210 Phi=-0.097353

M12=0.613 Y12=-3.730 Phi12=0.111 E12=56.988

SumN(-) = 37 SumN(+)= 56 AN/.6=0.341







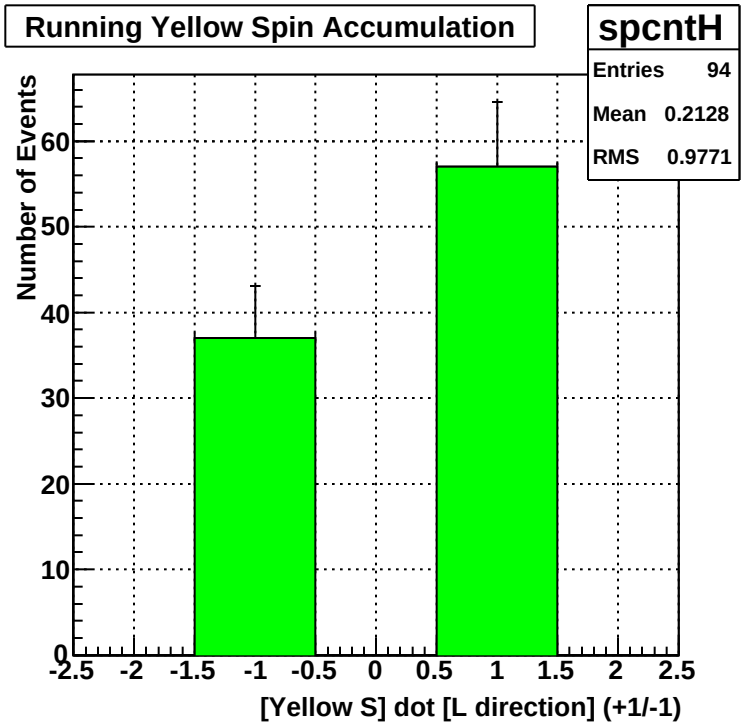
94) Rnum=7118086 EventN=707555 (3 Yu-N[+])

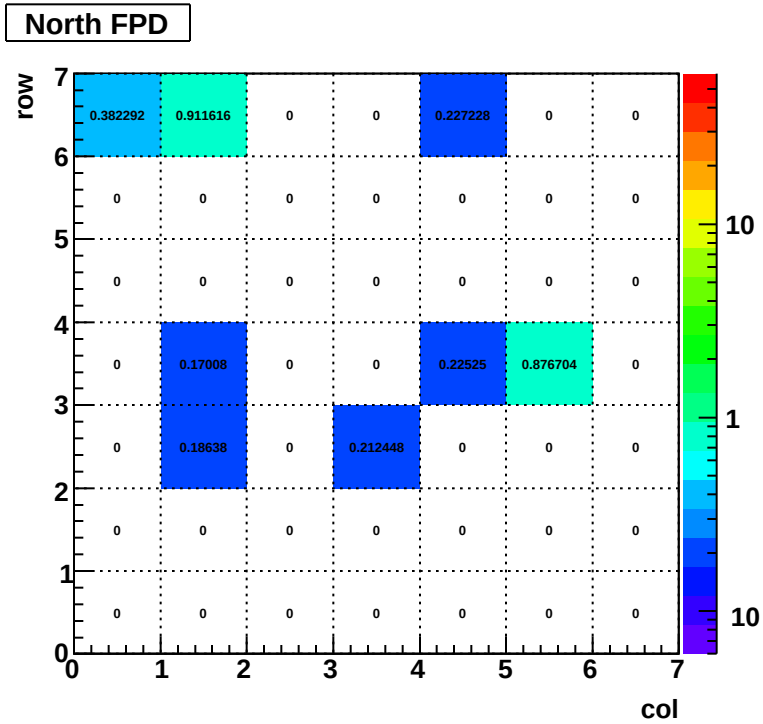
(1) Energy=41.932499 Y=-3.858504 Phi=-0.126161

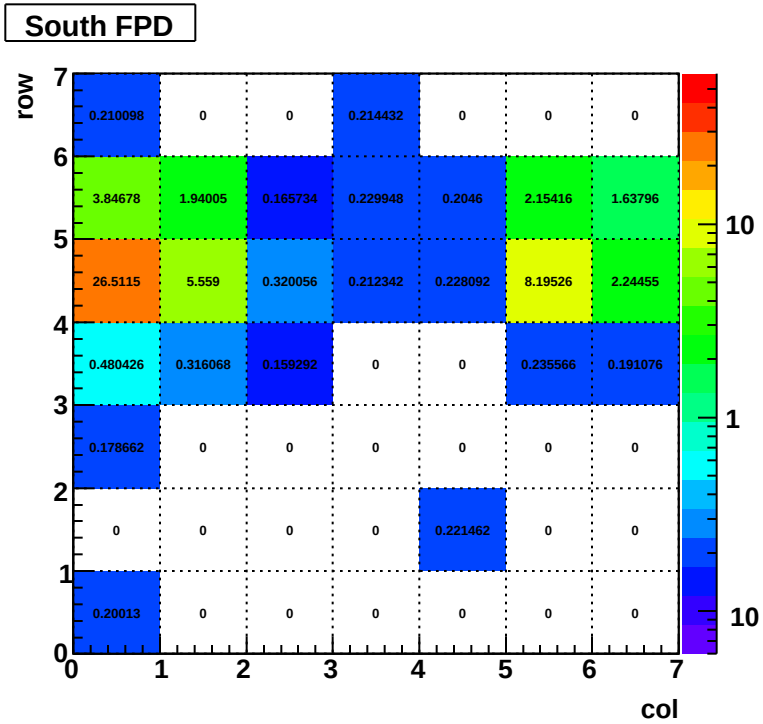
(2) Energy=15.220049 Y=-3.412519 Phi=-0.088386

M12=0.601 Y12=-3.719 Phi12=-0.112 E12=57.153

SumN(-) = 37 SumN(+)= 57 AN/.6=0.355







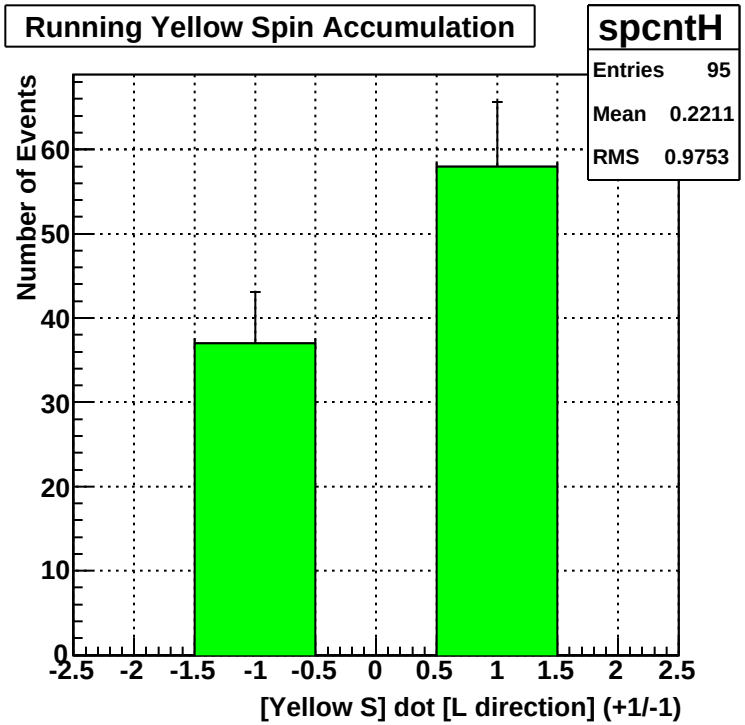
95) Rnum=7118087 EventN=5300416 (3 Yu-N[+])

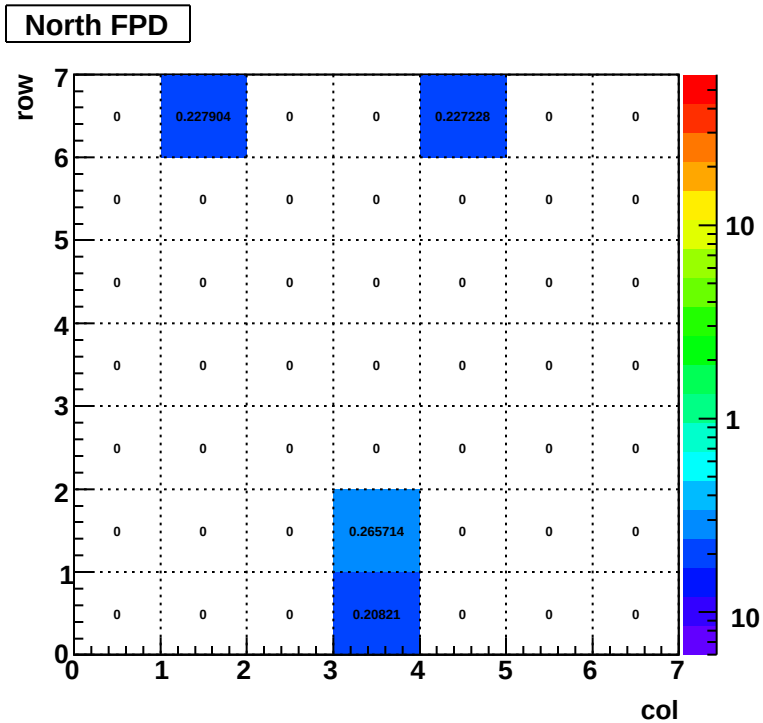
(1) Energy=28.663631 Y=-3.805300 Phi=-0.204167

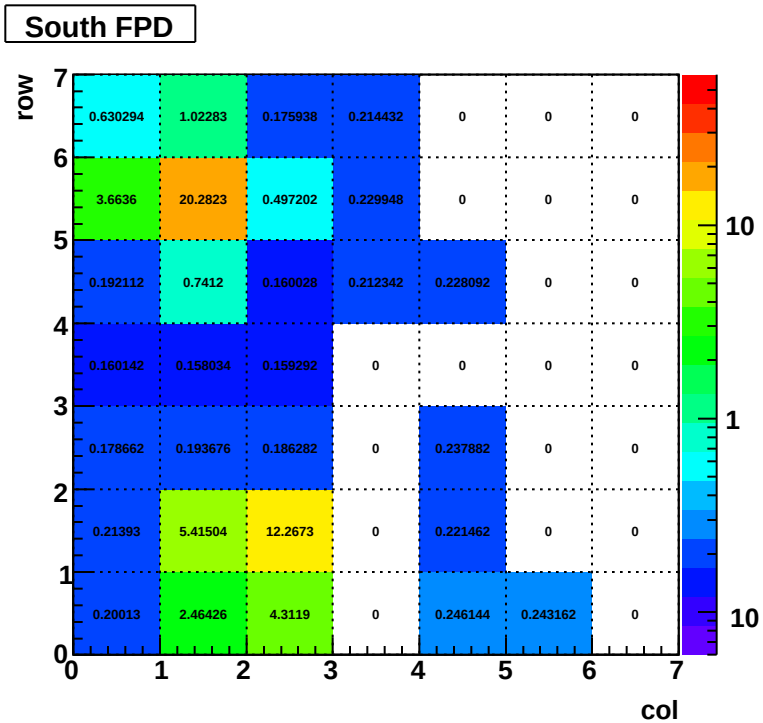
(2) Energy=27.030991 Y=-3.706216 Phi=0.247692

M12=0.597 Y12=-3.782 Phi12=0.026 E12=55.695

SumN(-) = 37 SumN(+)= 58 AN/.6=0.368







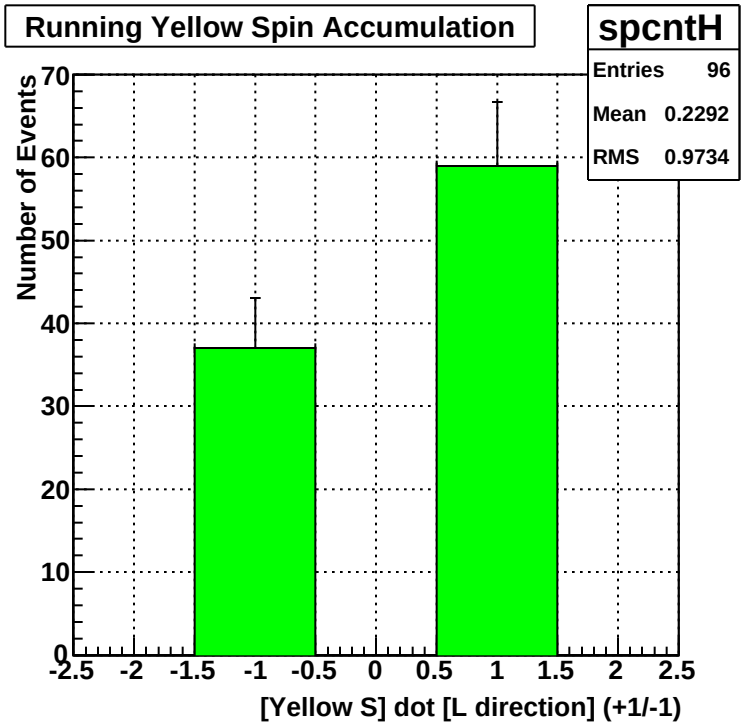
96) Rnum=7118087 EventN=7407332 (1 Yu-N[+])

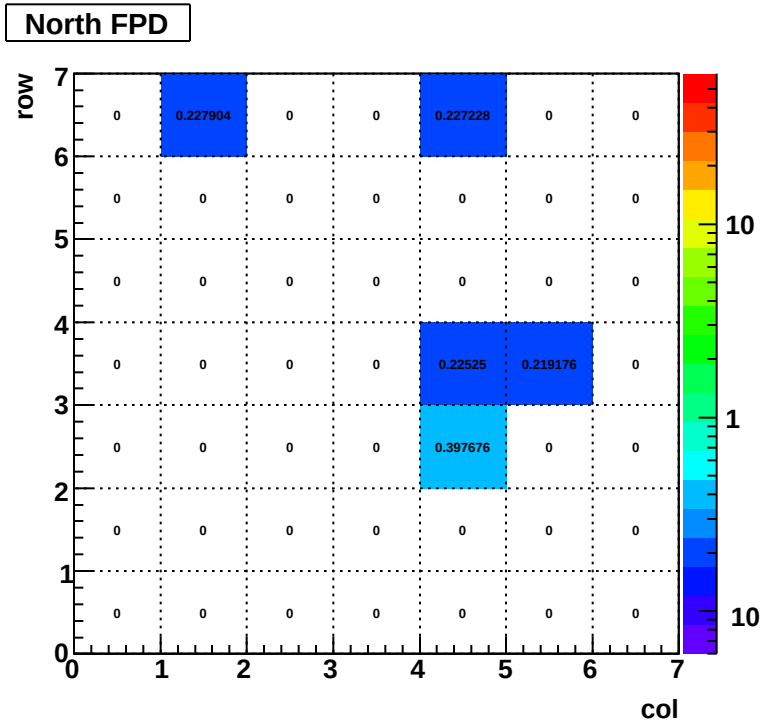
(1) Energy=47.759262 Y=-3.781883 Phi=-0.194795

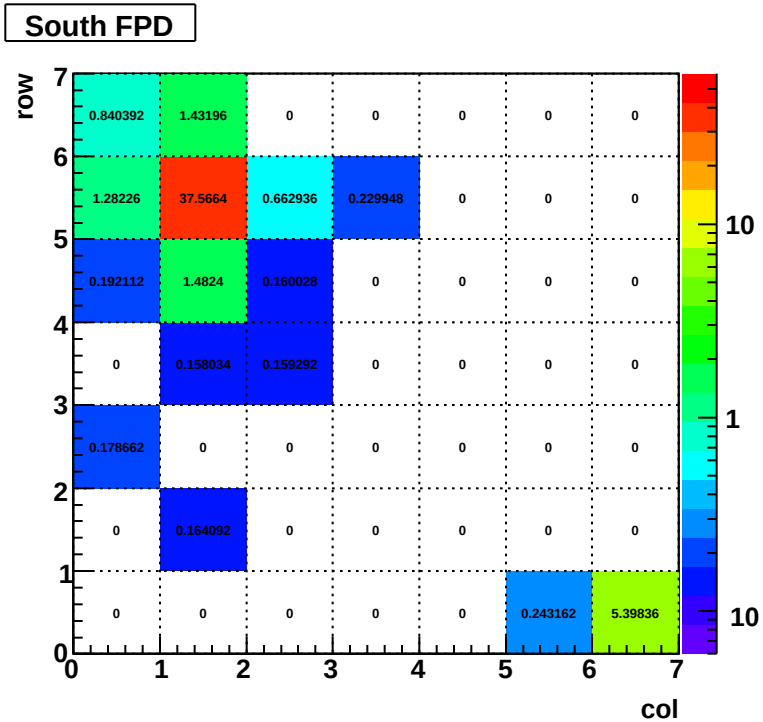
(2) Energy=7.364586 Y=-3.351428 Phi=0.212952

M12=0.628 Y12=-3.725 Phi12=-0.118 E12=55.124

SumN(-) = 37 SumN(+)= 59 AN/.6=0.382







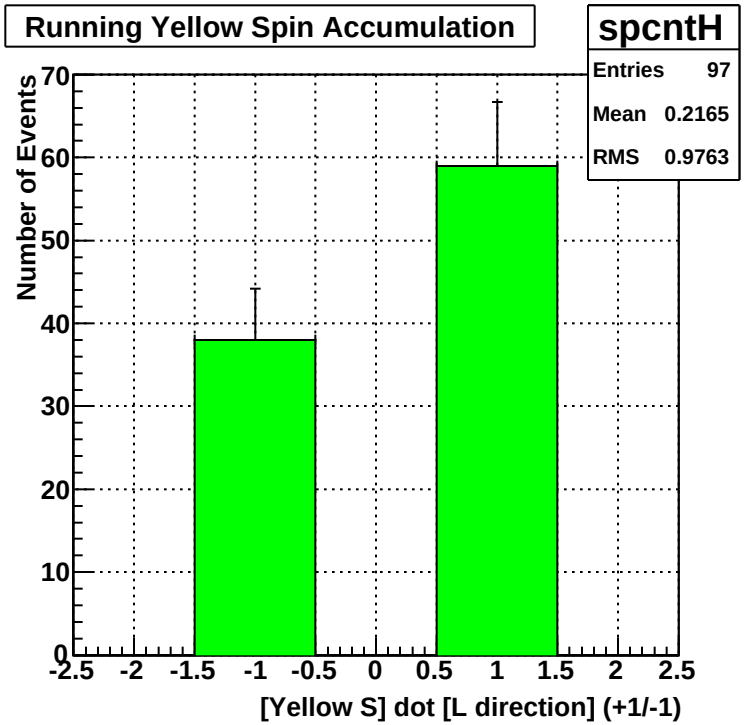
97) Rnum=7118087 EventN=800329 (3 Yu-S[-])

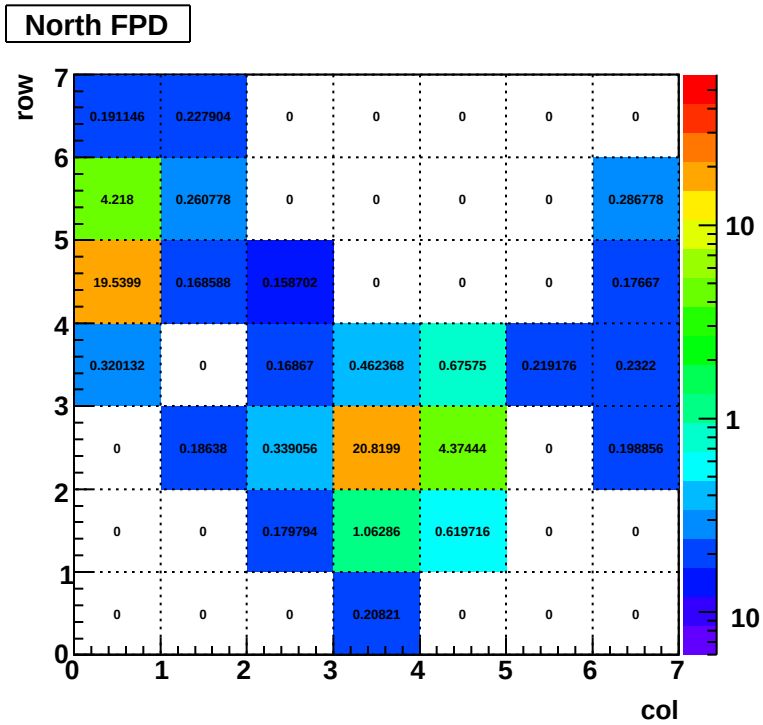
(1) Energy=29.036844 Y=-3.571373 Phi=3.040536

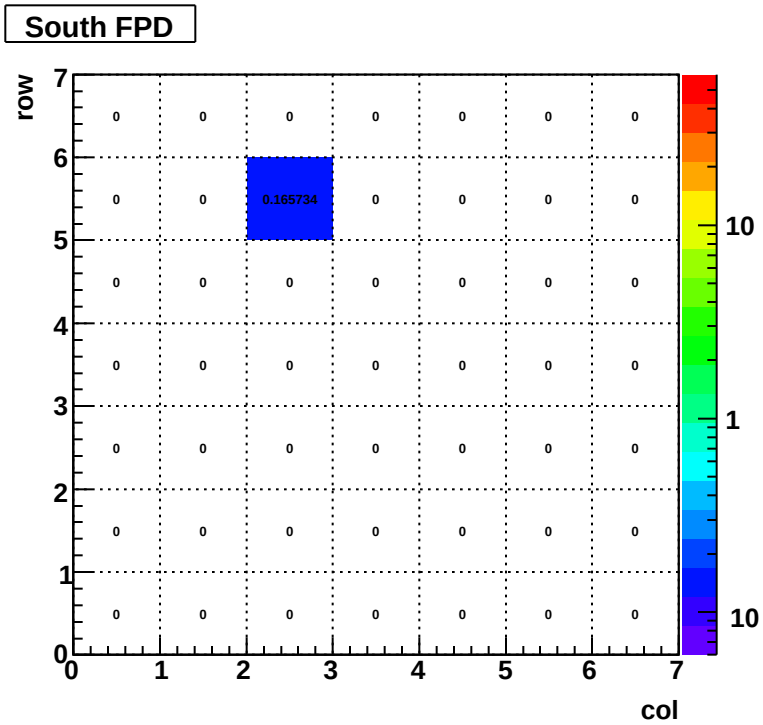
(2) Energy=28.124044 Y=-3.920836 Phi=-2.998758

M12=0.576 Y12=-3.735 Phi12=3.139 E12=57.161

SumN(-) = 38 SumN(+)= 59 AN/.6=0.361







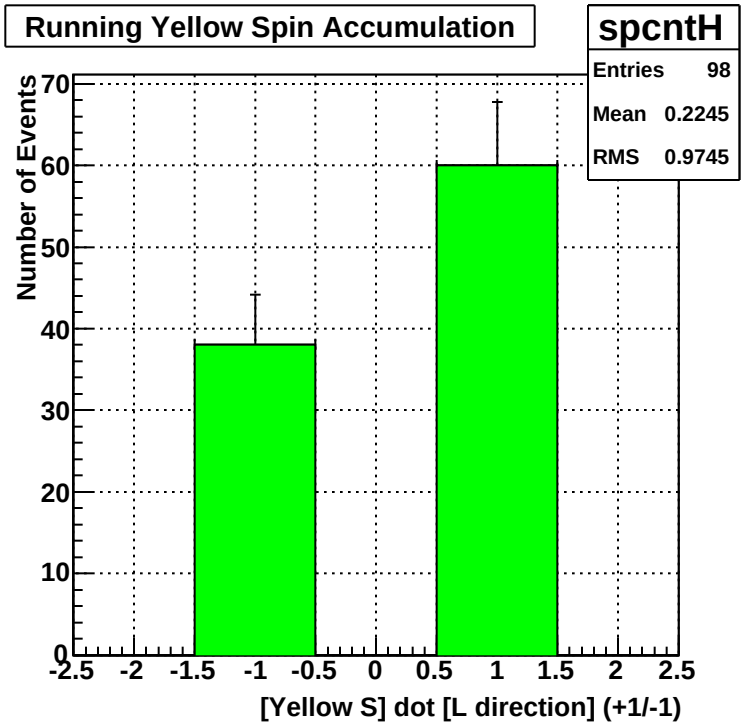
98) Rnum=7118088 EventN=308586 (0 Yd-S[+])

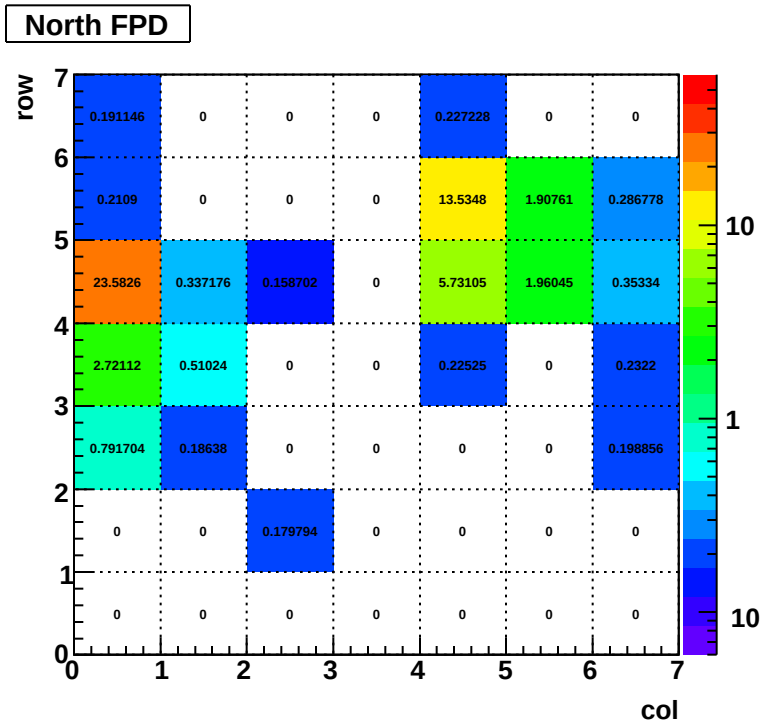
(1) Energy=31.937567 Y=-3.930565 Phi=-3.069914

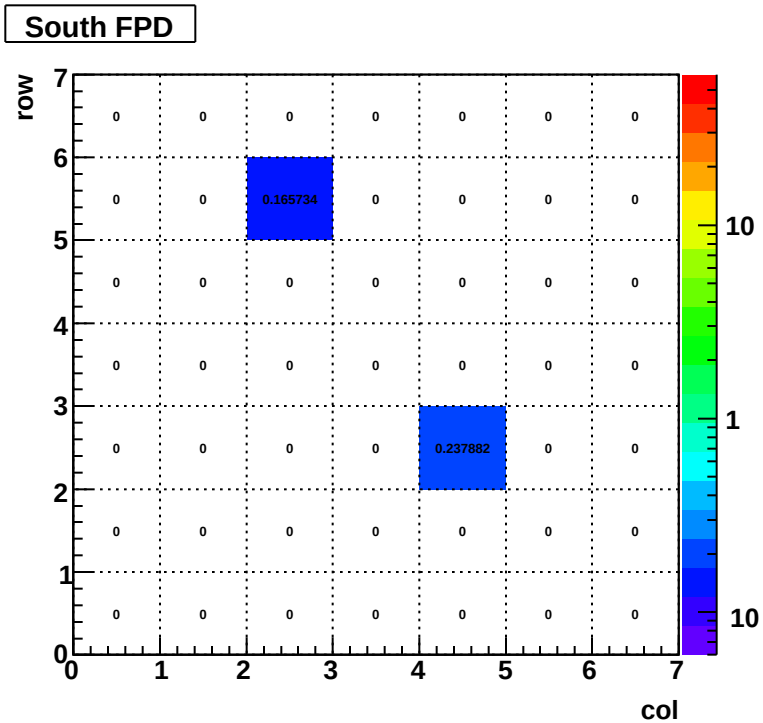
(2) Energy=24.882263 Y=-3.494149 Phi=-3.030897

M12=0.608 Y12=-3.716 Phi12=-3.049 E12=56.820

SumN(-) = 38 SumN(+)= 60 AN/.6=0.374







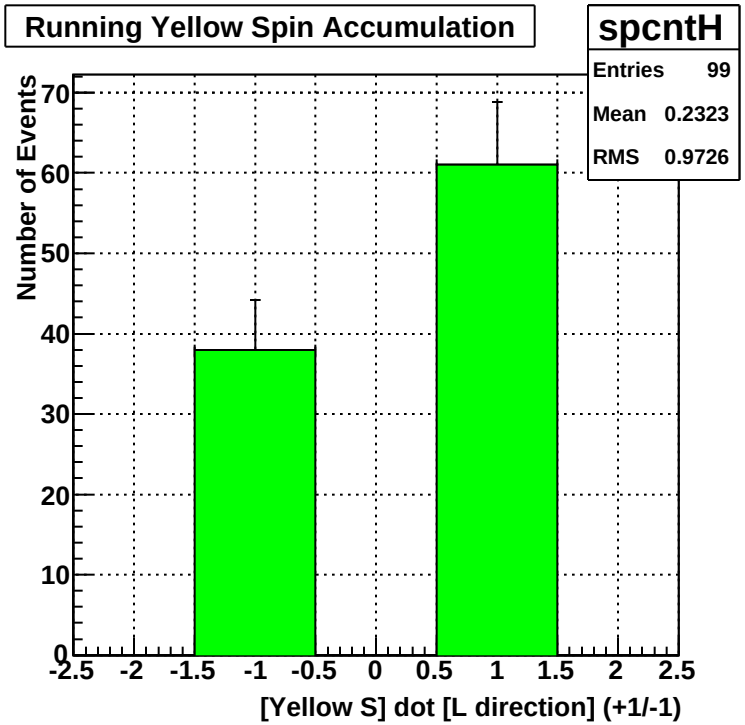
99) Rnum=7118088 EventN=802315 (0 Yd-S[+])

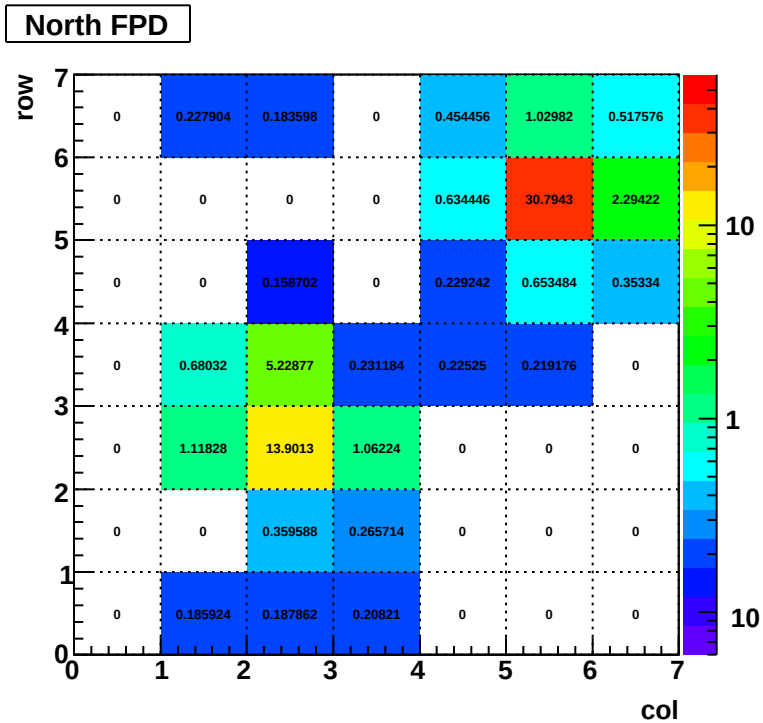
(1) Energy=34.642166 Y=-3.425894 Phi=-3.004934

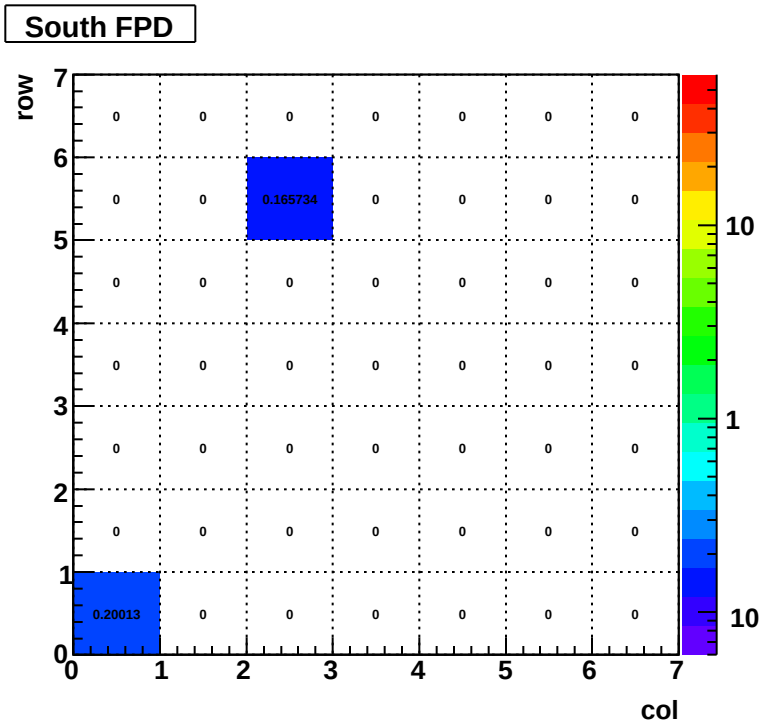
(2) Energy=23.523727 Y=-3.702229 Phi=3.070999

M12=0.559 Y12=-3.533 Phi12=-3.075 E12=58.166

SumN(-) = 38 SumN(+)= 61 AN/.6=0.387







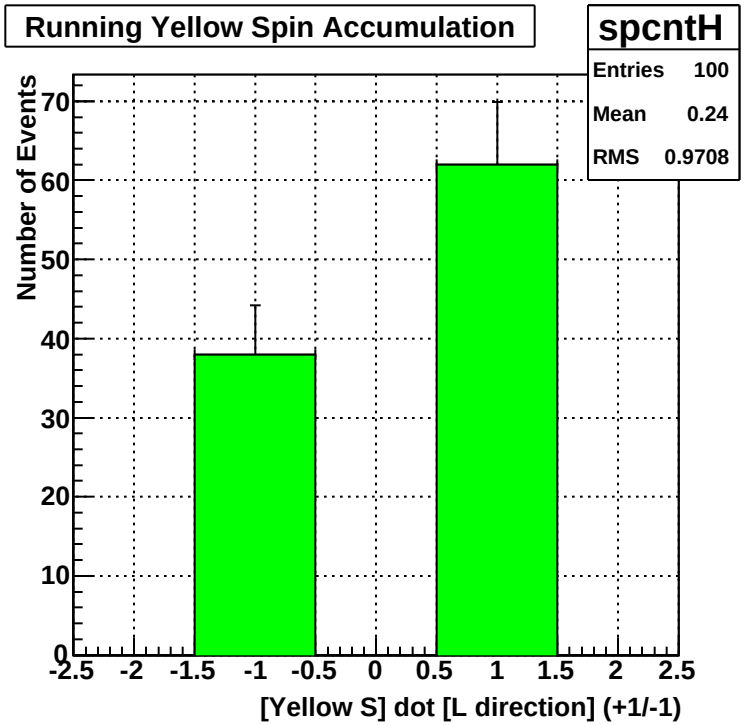
100) Rnum=7118088 EventN=1908106 (3 Yu-N[+])

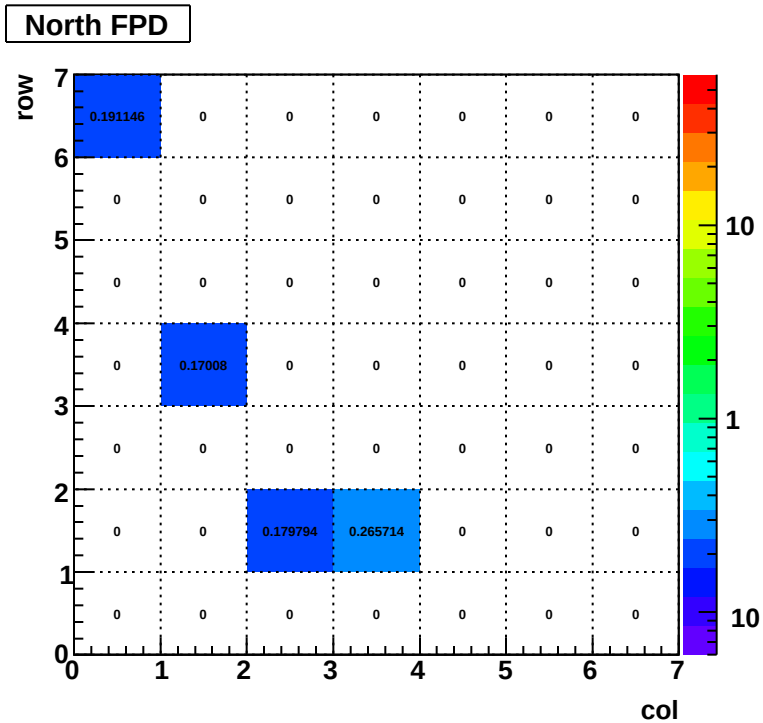
(1) Energy=47.519585 Y=-3.842819 Phi=0.126787

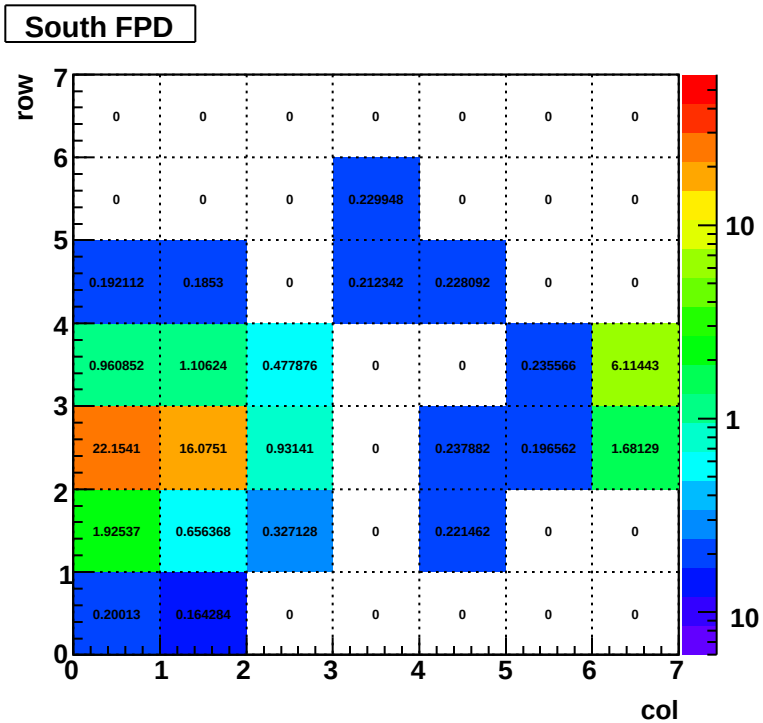
(2) Energy=9.001757 Y=-3.372347 Phi=0.035527

M12=0.542 Y12=-3.752 Phi12=0.106 E12=56.521

SumN(-) = 38 SumN(+)= 62 AN/.6=0.400







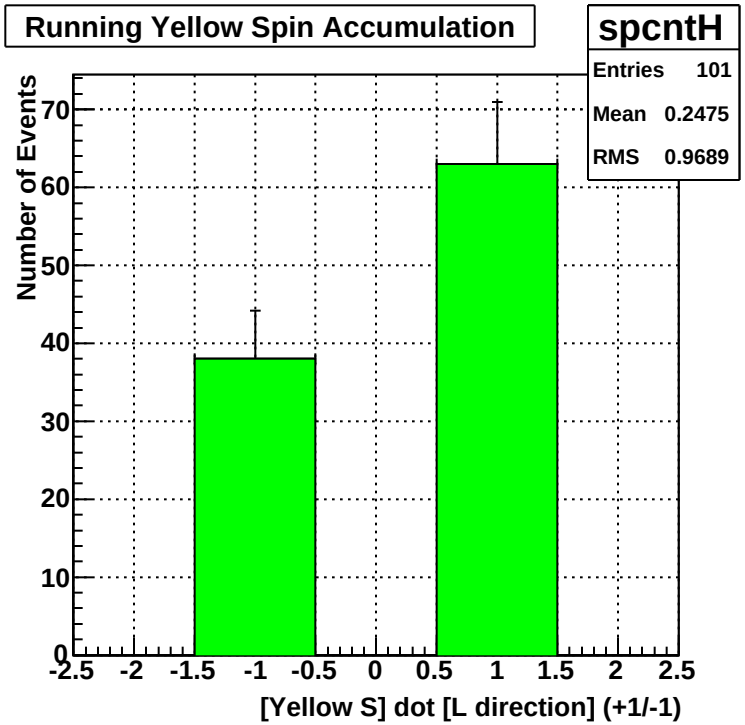
101) Rnum=7118092 EventN=5902385 (2 Yd-S[+])

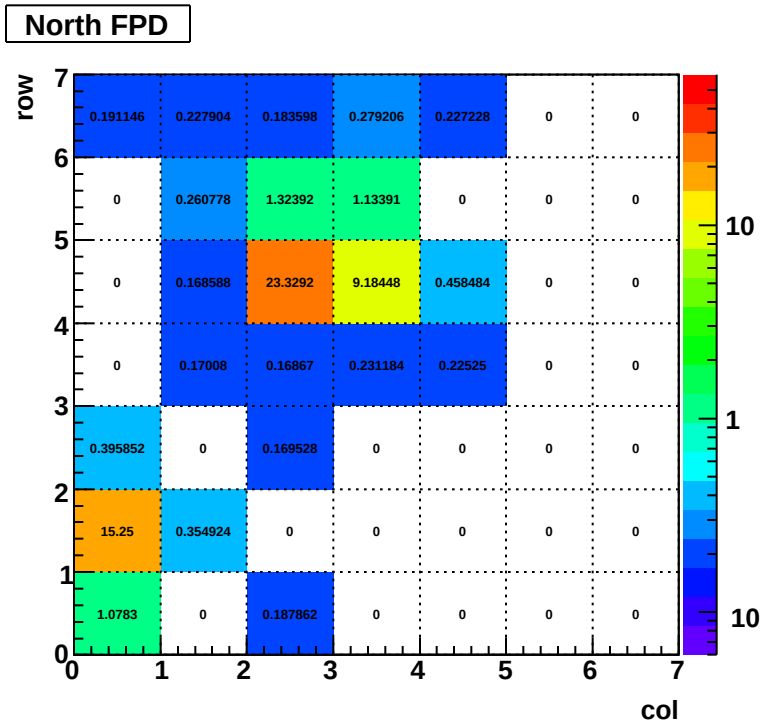
(1) Energy=40.031574 Y=-3.653611 Phi=-3.051611

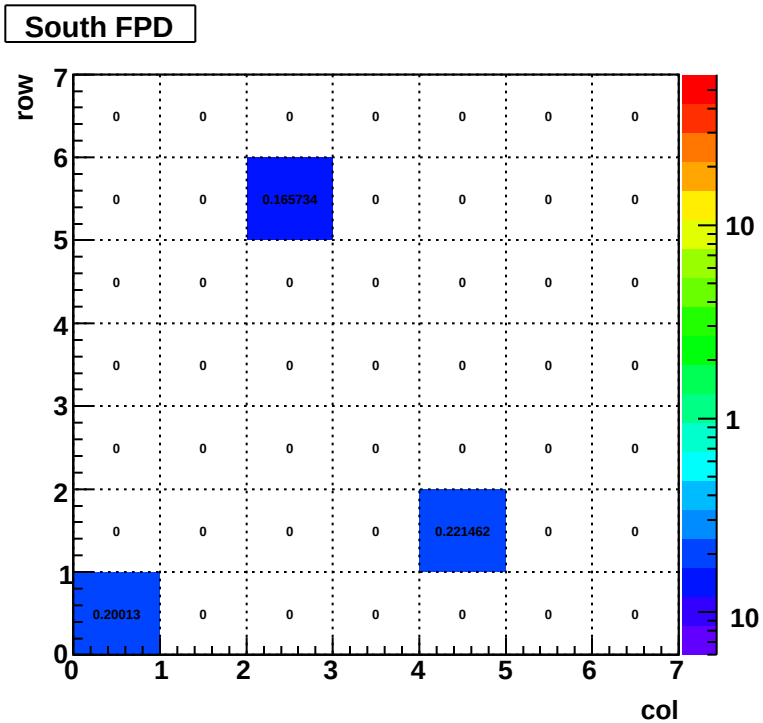
(2) Energy=19.723202 Y=-3.880590 Phi=2.879002

M12=0.543 Y12=-3.736 Phi12=3.133 E12=59.755

SumN(-) = 38 SumN(+)= 63 AN/.6=0.413







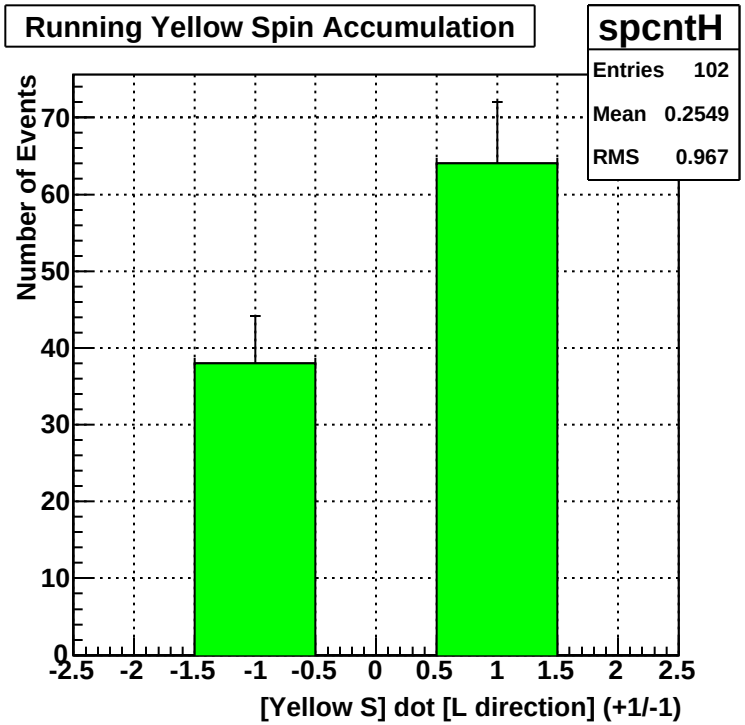
102) Rnum=7118092 EventN=509731 (3 Yu-N[+])

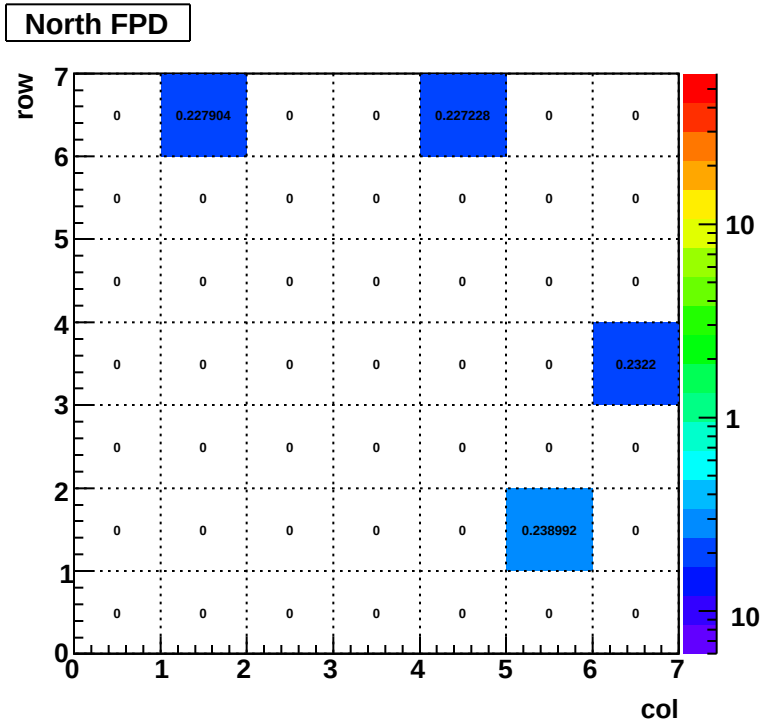
(1) Energy=40.558689 Y=-3.432157 Phi=-0.050793

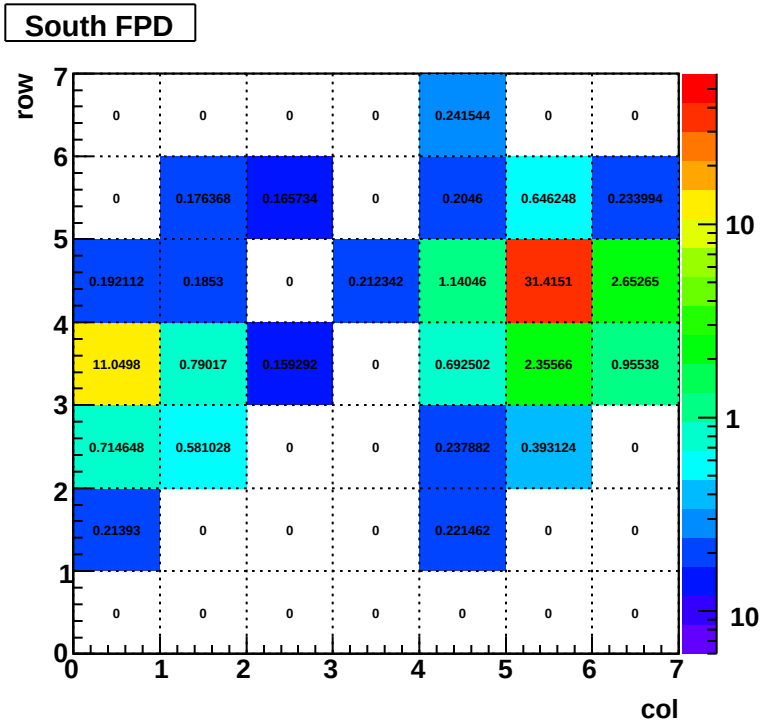
(2) Energy=15.062258 Y=-3.887449 Phi=0.028336

M12=0.592 Y12=-3.537 Phi12=-0.036 E12=55.621

SumN(-) = 38 SumN(+)= 64 AN/.6=0.425







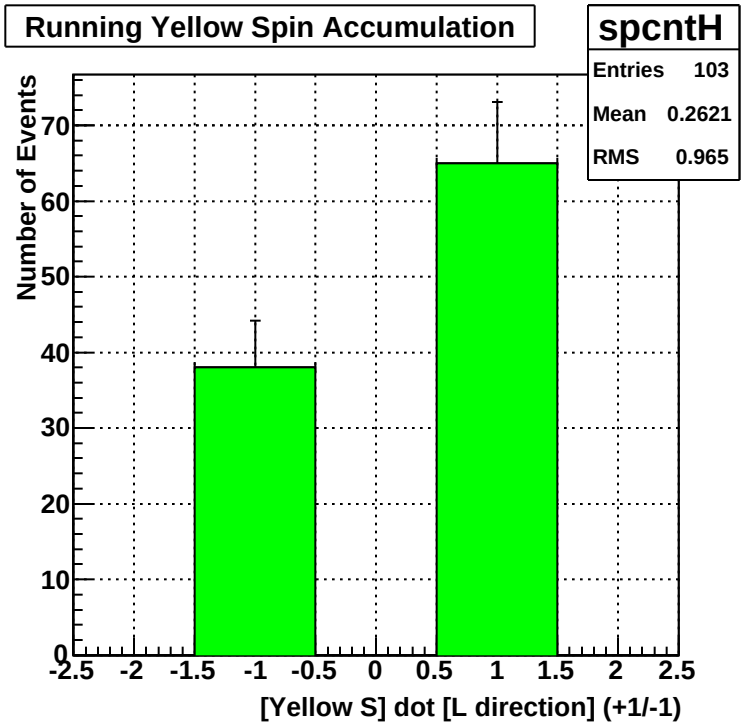
103) Rnum=7119001 EventN=3000612 (0 Yd-S[+])

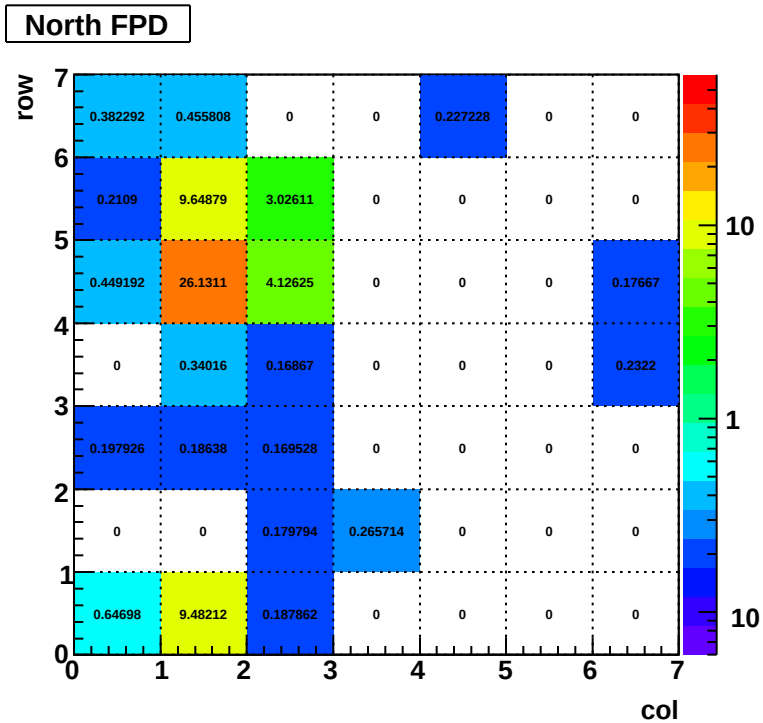
(1) Energy=46.927681 Y=-3.754969 Phi=-3.015248

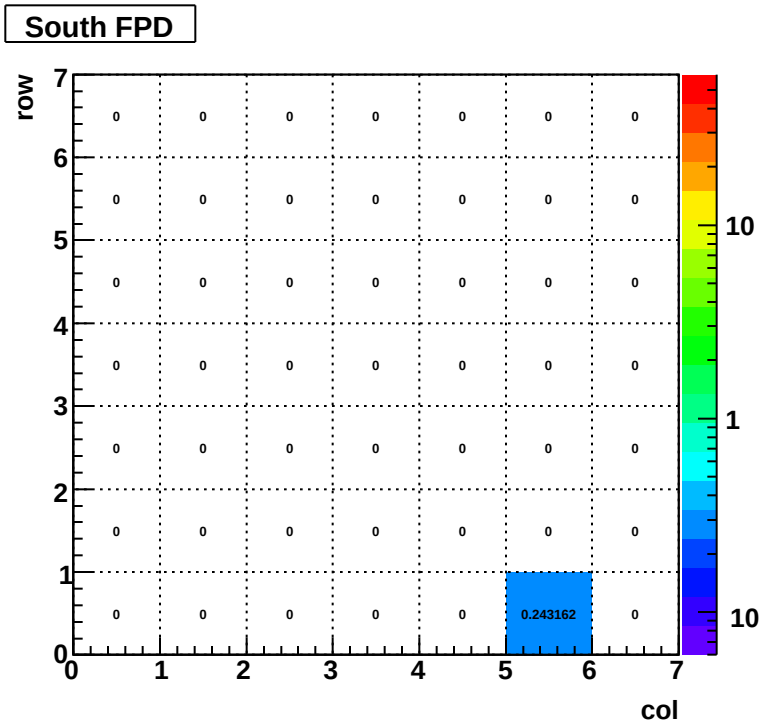
(2) Energy=12.888678 Y=-3.759776 Phi=2.837103

M12=0.491 Y12=-3.772 Phi12=-3.106 E12=59.816

SumN(-) = 38 SumN(+)= 65 AN/.6=0.437







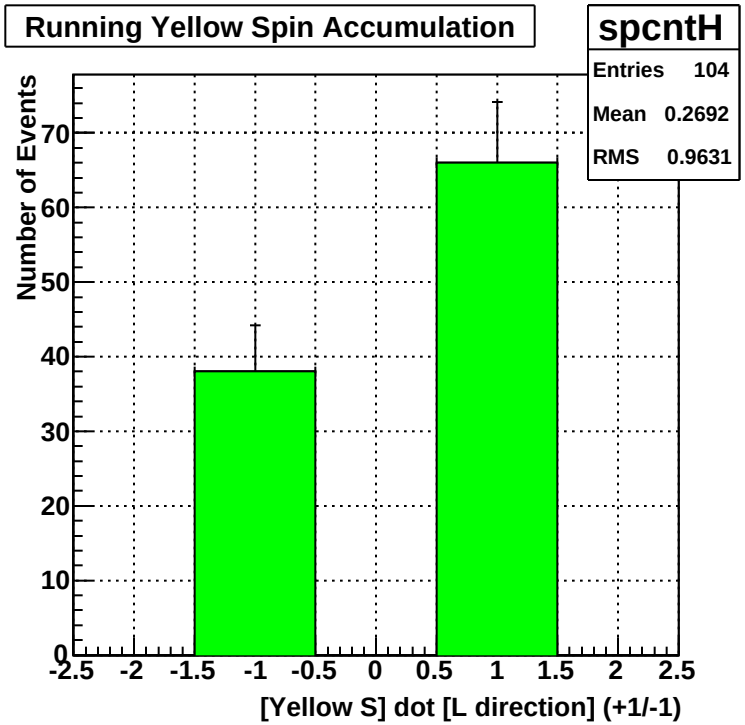
104) Rnum=7119001 EventN=5309449 (3 Yu-N[+])

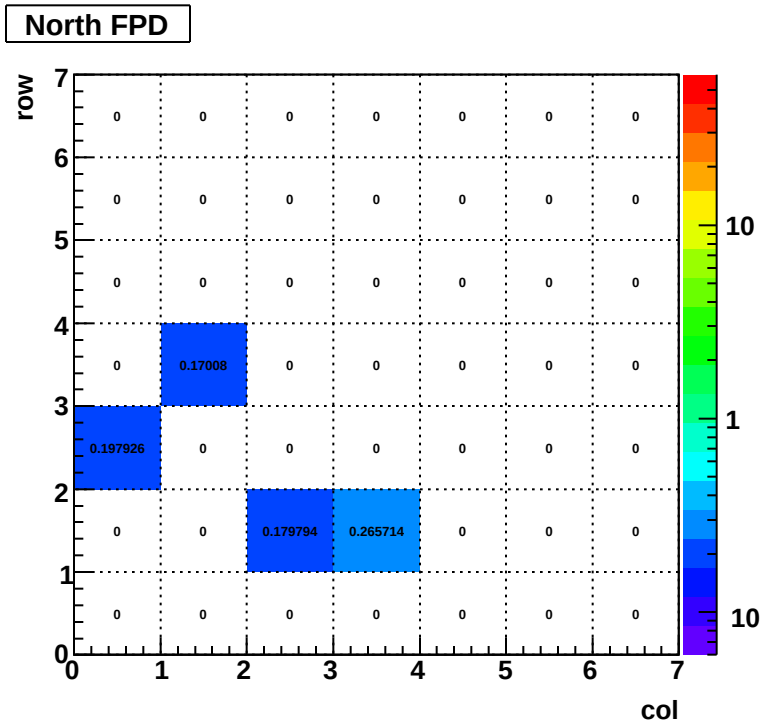
(1) Energy=35.475384 Y=-3.472605 Phi=0.143105

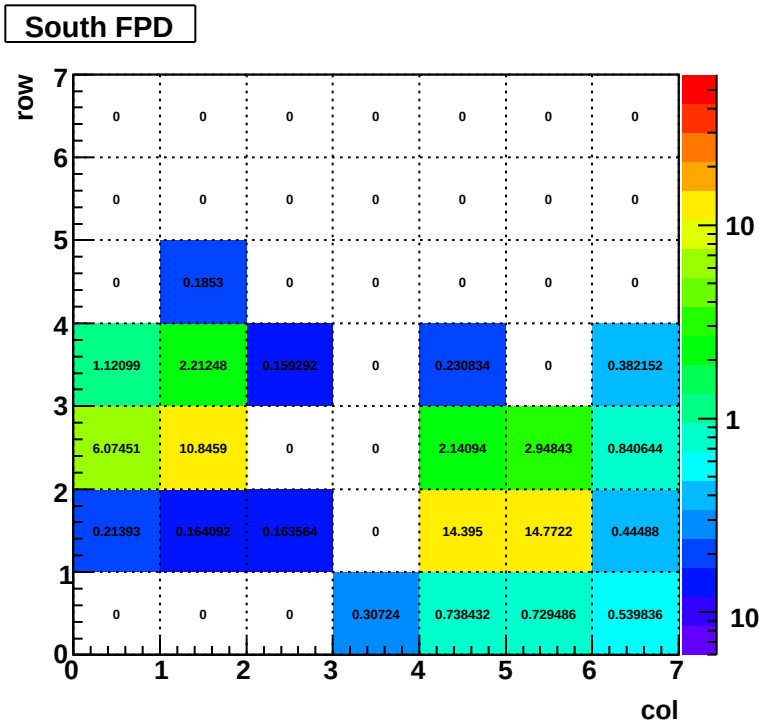
(2) Energy=22.804848 Y=-3.838474 Phi=0.093265

M12=0.545 Y12=-3.601 Phi12=0.128 E12=58.280

SumN(-) = 38 SumN(+)= 66 AN/.6=0.449







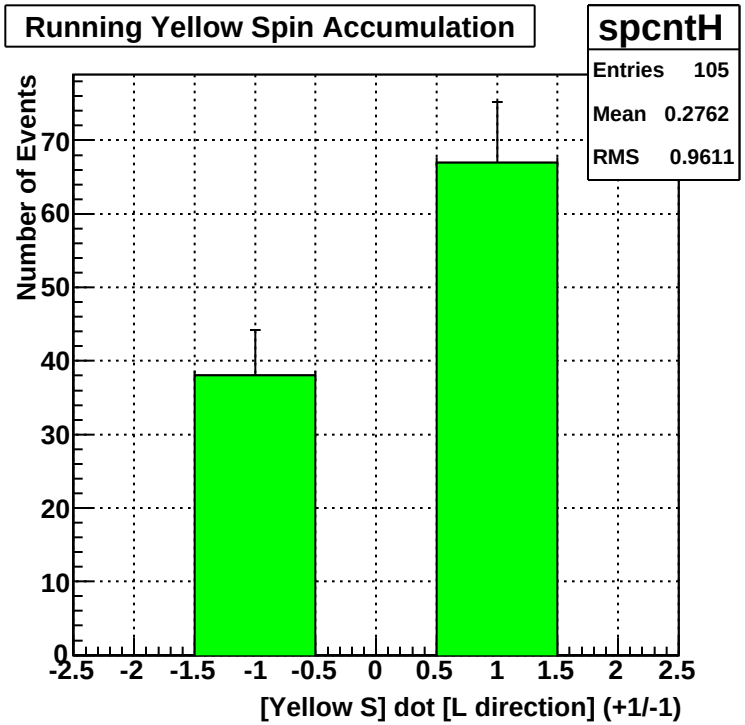
105) Rnum=7119001 EventN=500942 (1 Yu-N[+])

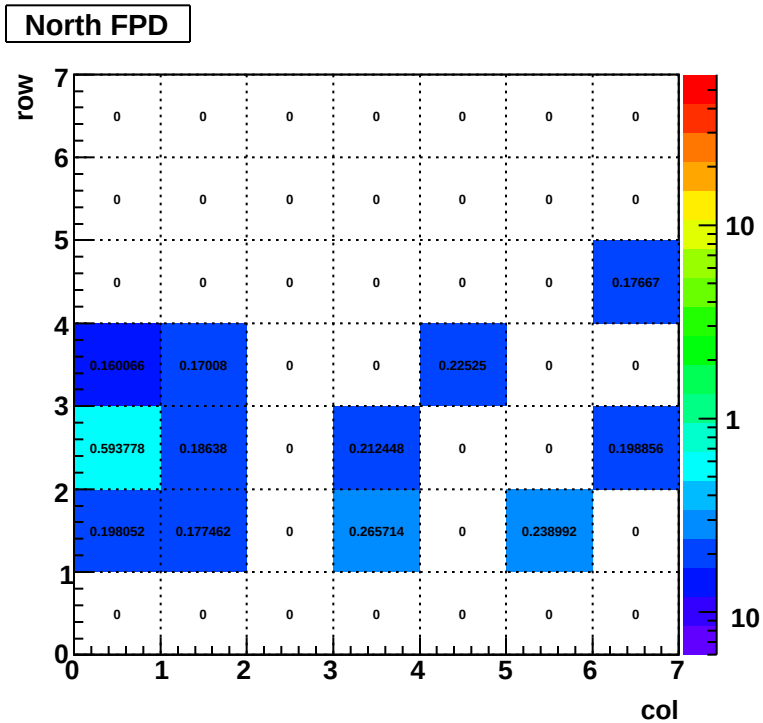
(1) Energy=43.465073 Y=-3.647763 Phi=0.212197

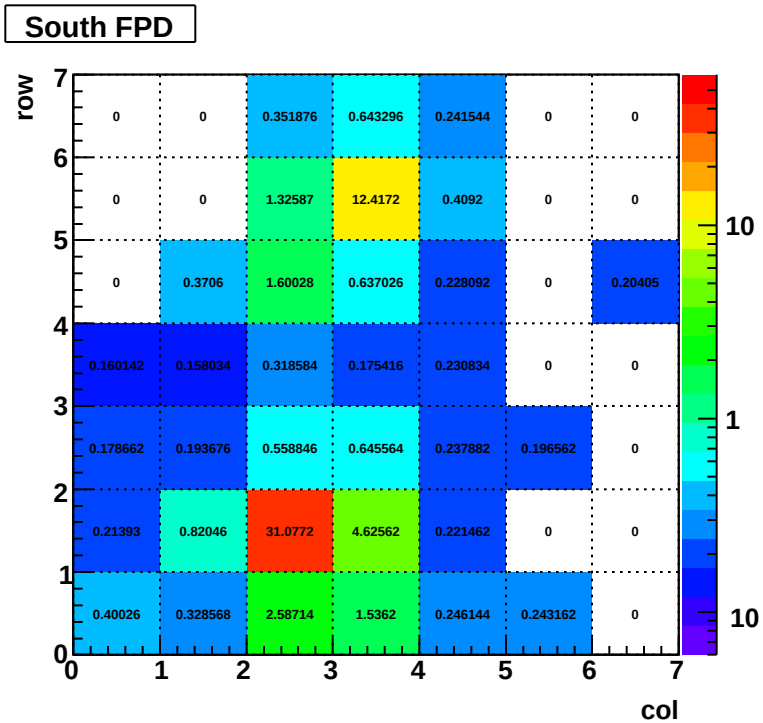
(2) Energy=16.383926 Y=-3.610603 Phi=-0.155925

M12=0.521 Y12=-3.651 Phi12=0.109 E12=59.849

SumN(-) = 38 SumN(+)= 67 AN/.6=0.460







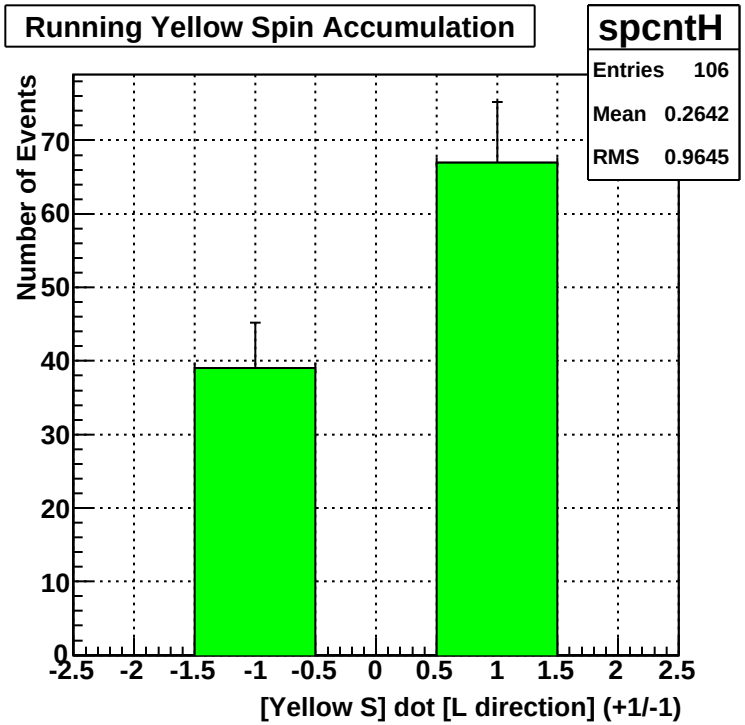
106) Rnum=7119002 EventN=107881 (1 Yu-S[-])

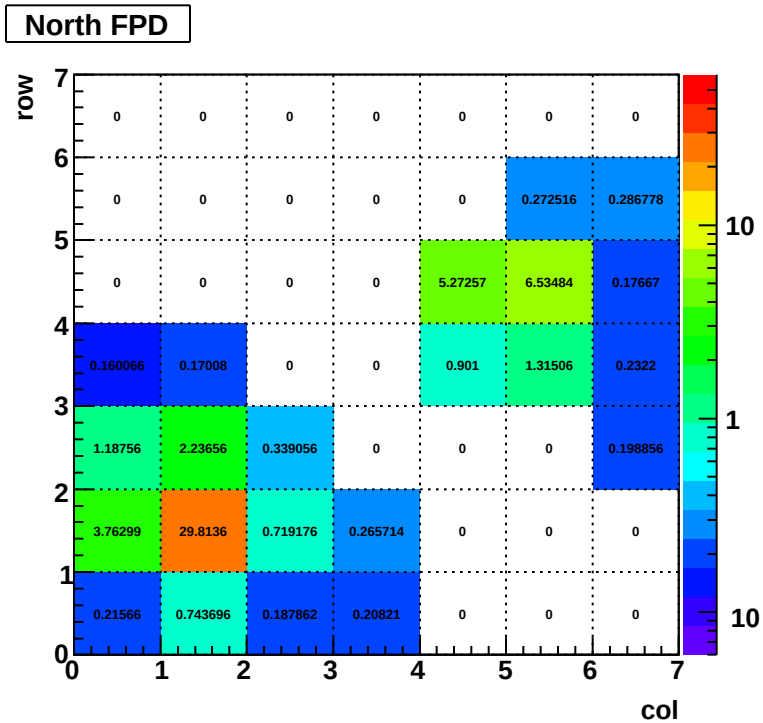
(1) Energy=41.607029 Y=-3.796763 Phi=2.930023

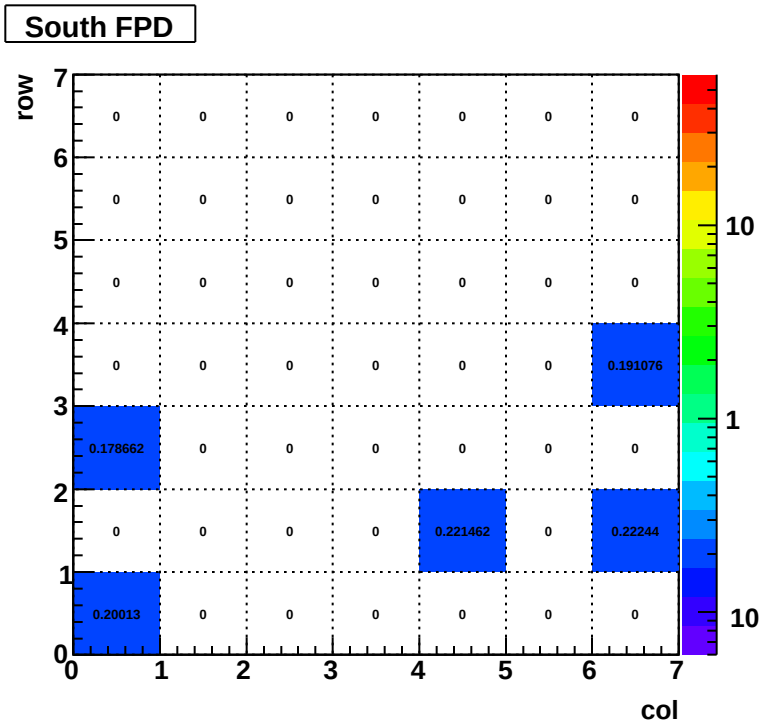
(2) Energy=15.162704 Y=-3.480388 Phi=-3.098042

M12=0.537 Y12=-3.709 Phi12=3.015 E12=56.770

SumN(-) = 39 SumN(+)= 67 AN/.6=0.440







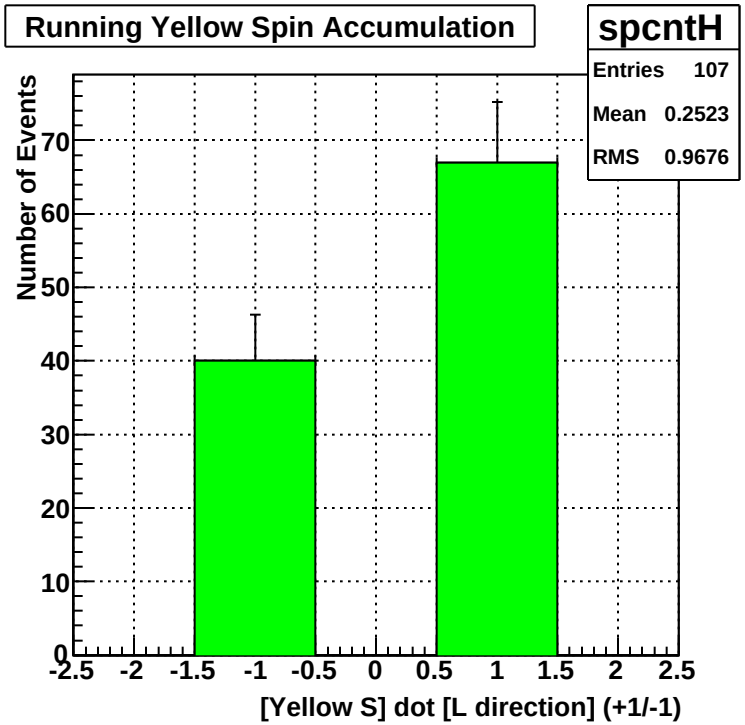
107) Rnum=7119002 EventN=601779 (2 Yd-N[-])

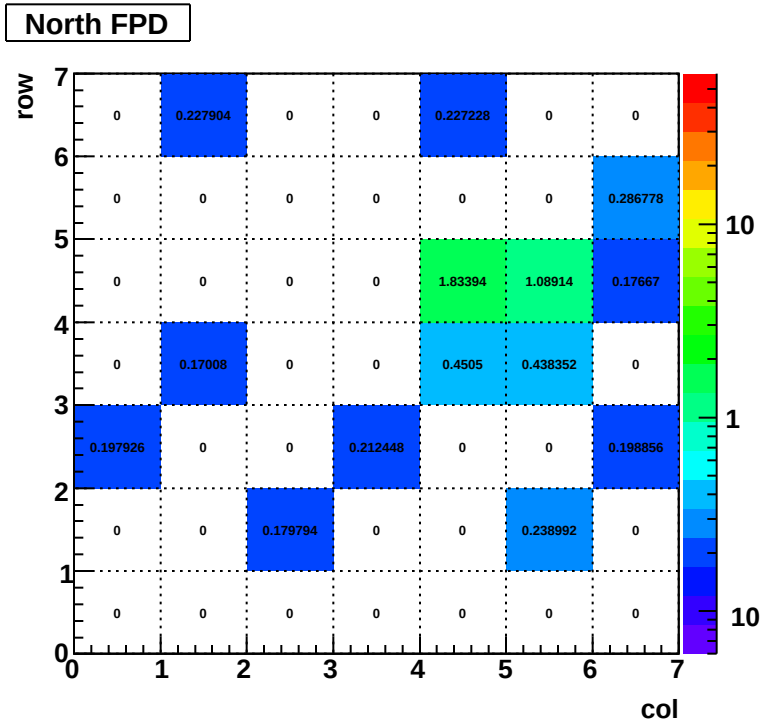
(1) Energy=38.487778 Y=-3.853223 Phi=0.133036

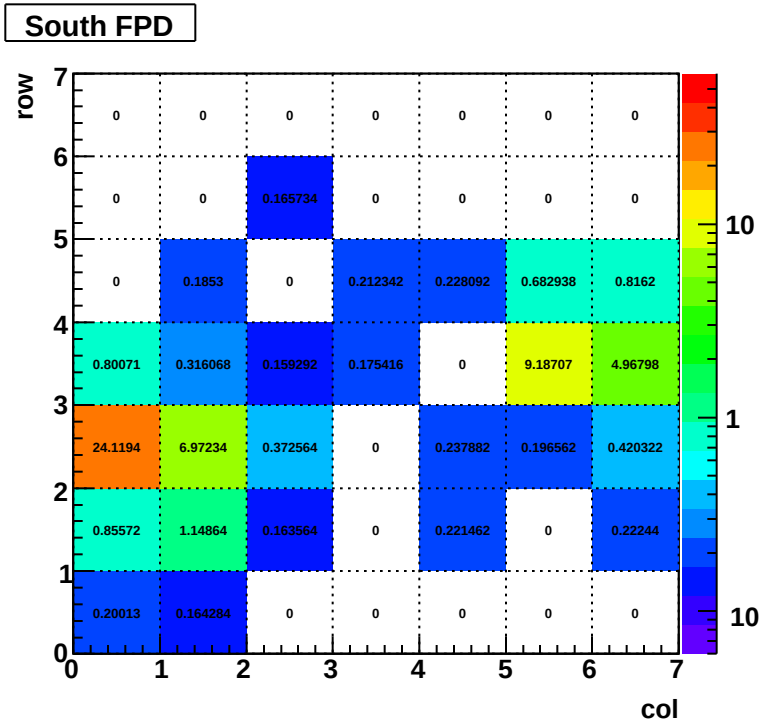
(2) Energy=16.597261 Y=-3.412592 Phi=-0.000817

M12=0.620 Y12=-3.701 Phi12=0.079 E12=55.085

SumN(-) = 40 SumN(+)= 67 AN/.6=0.421







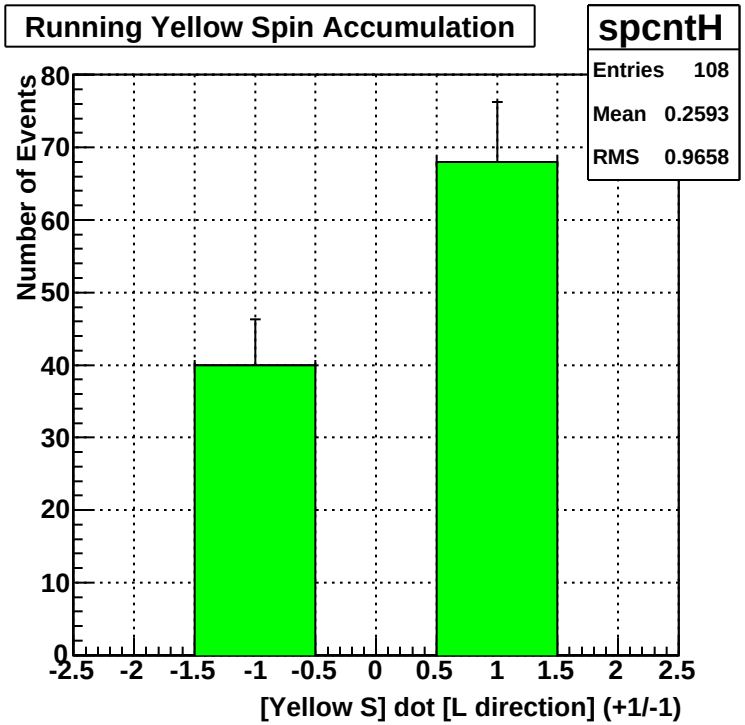
108) Rnum=7119003 EventN=2000452 (3 Yu-N[+])

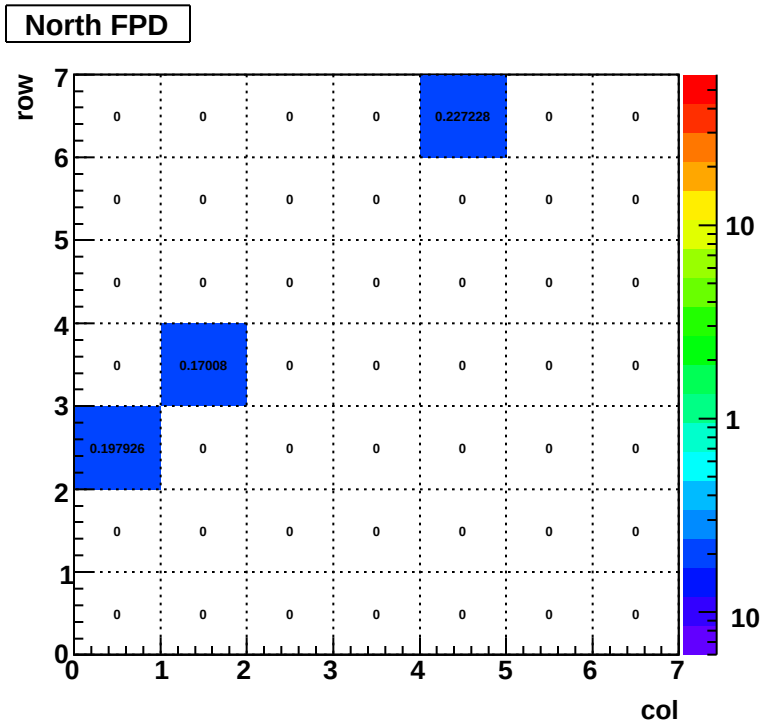
(1) Energy=38.496117 Y=-3.484741 Phi=0.145445

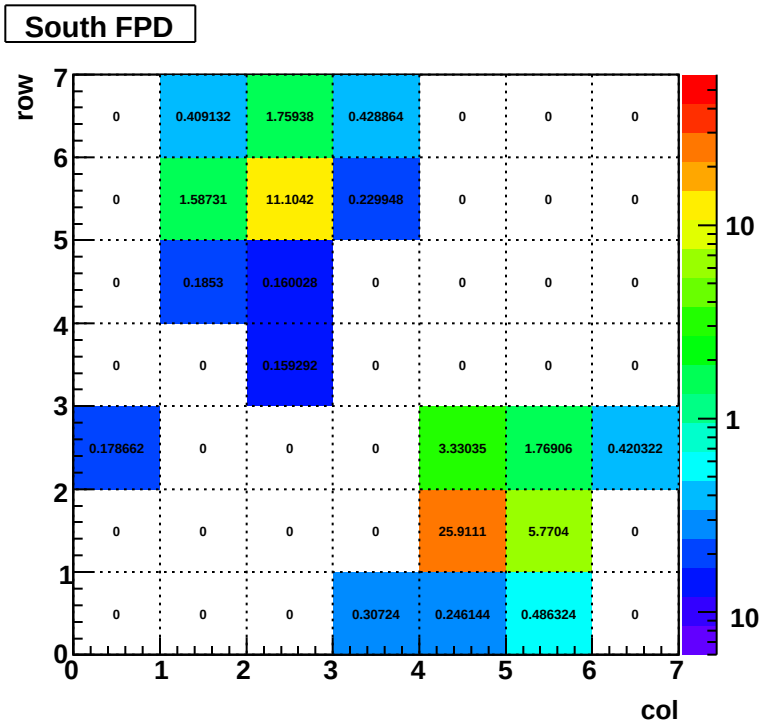
(2) Energy=16.739737 Y=-3.697960 Phi=-0.204086

M12=0.571 Y12=-3.556 Phi12=0.055 E12=55.236

SumN(-) = 40 SumN(+)= 68 AN/.6=0.432







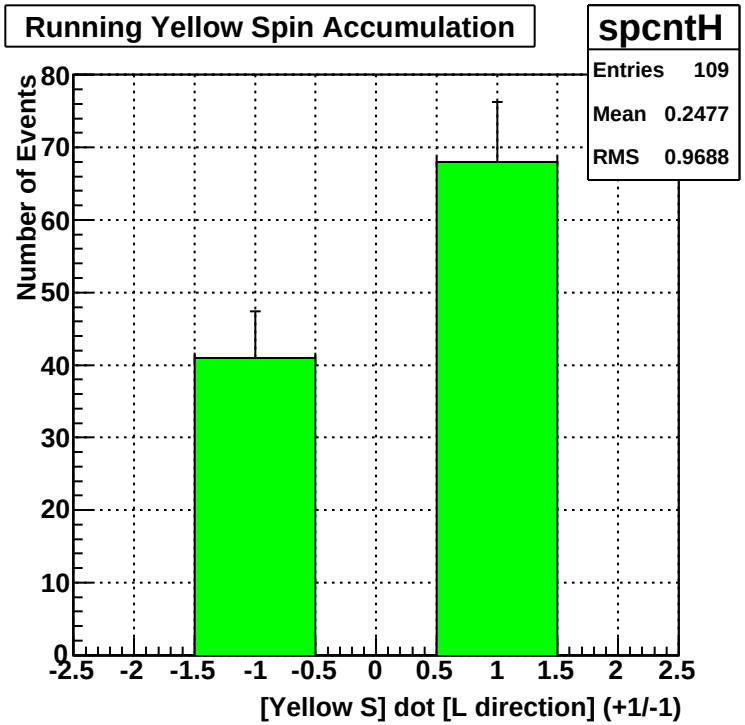
109) Rnum=7119004 EventN=4404222 (0 Yd-N[-])

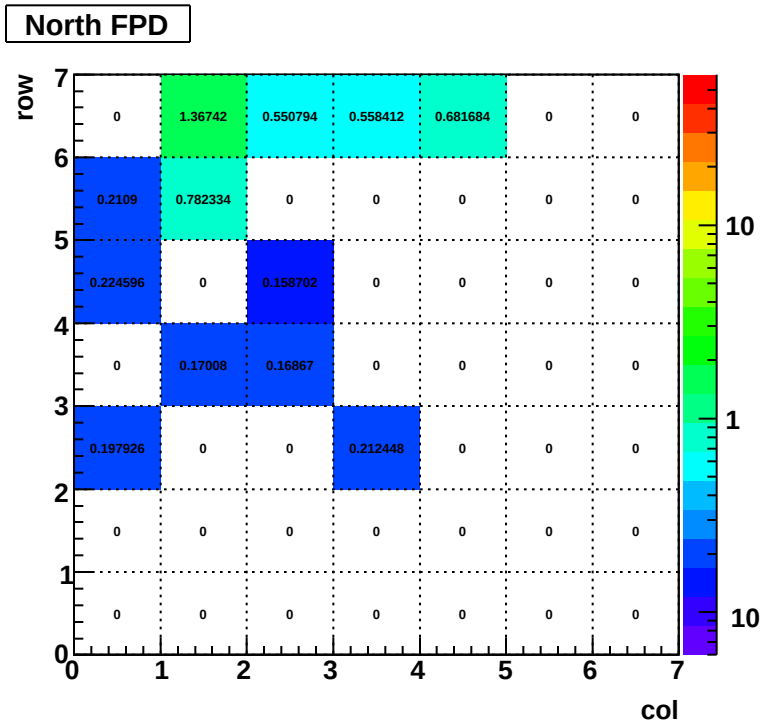
(1) Energy=33.329922 Y=-3.645598 Phi=0.135636

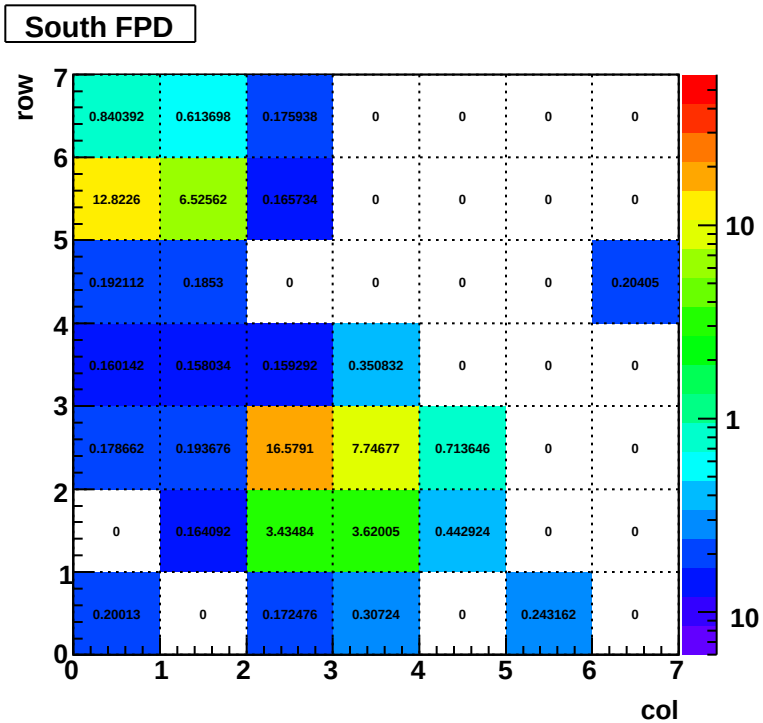
(2) Energy=23.017399 Y=-3.831016 Phi=-0.215421

M12=0.521 Y12=-3.732 Phi12=0.008 E12=56.347

SumN(-) = 41 SumN(+)= 68 AN/.6=0.413







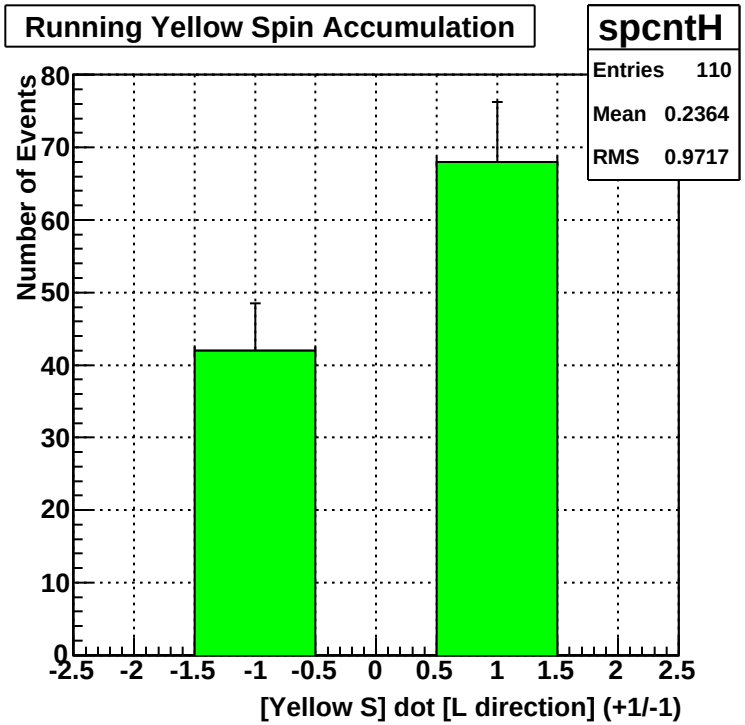
110) Rnum=7119004 EventN=5708347 (3 Yu-S[-])

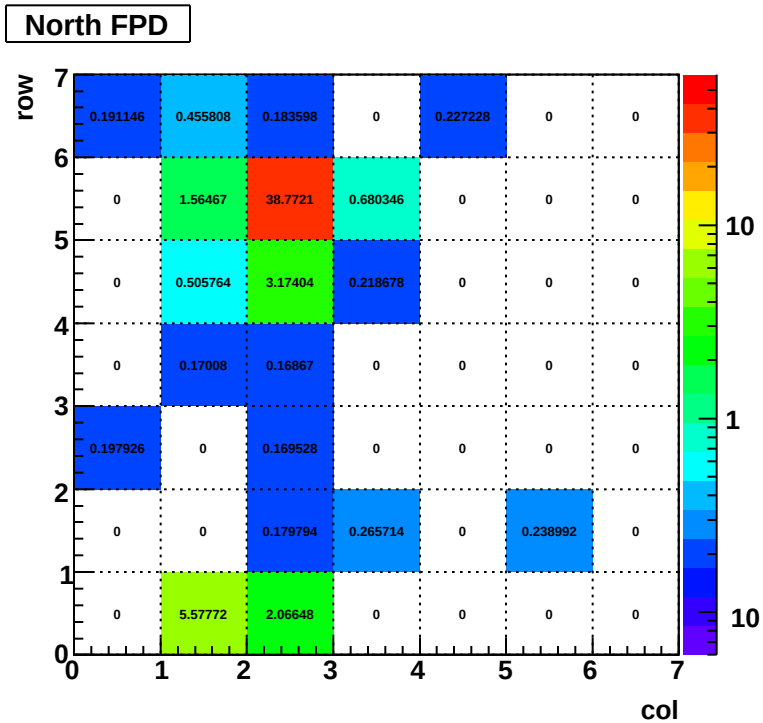
(1) Energy=50.545273 Y=-3.688779 Phi=-2.984547

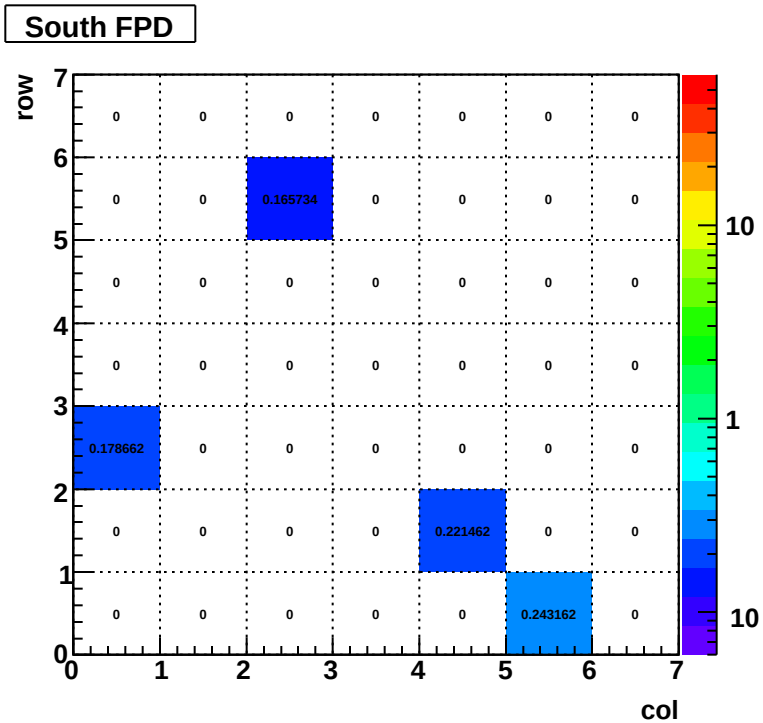
(2) Energy=9.417496 Y=-3.704751 Phi=2.835312

M12=0.497 Y12=-3.705 Phi12=-3.055 E12=59.963

SumN(-) = 42 SumN(+)= 68 AN/.6=0.394







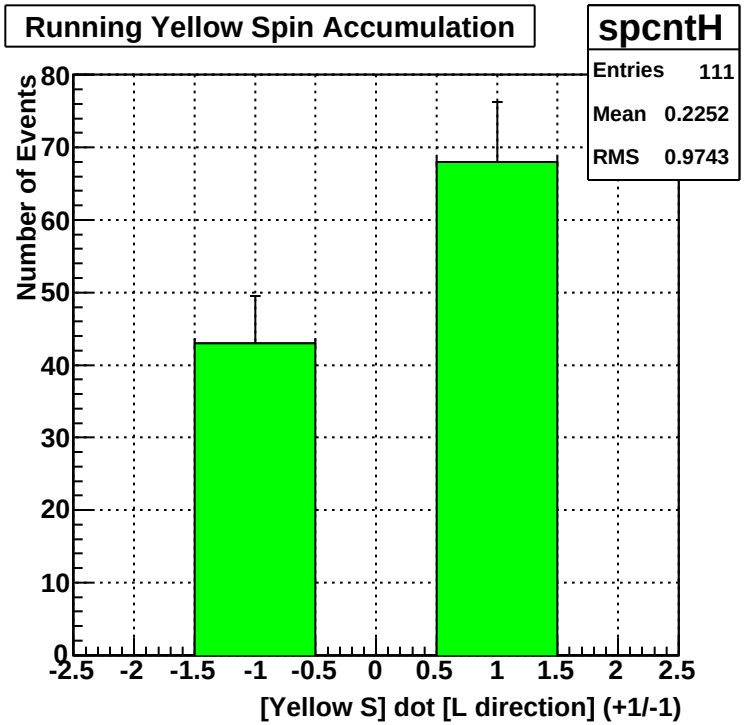
111) Rnum=7119004 EventN=6001934 (1 Yu-S[-])

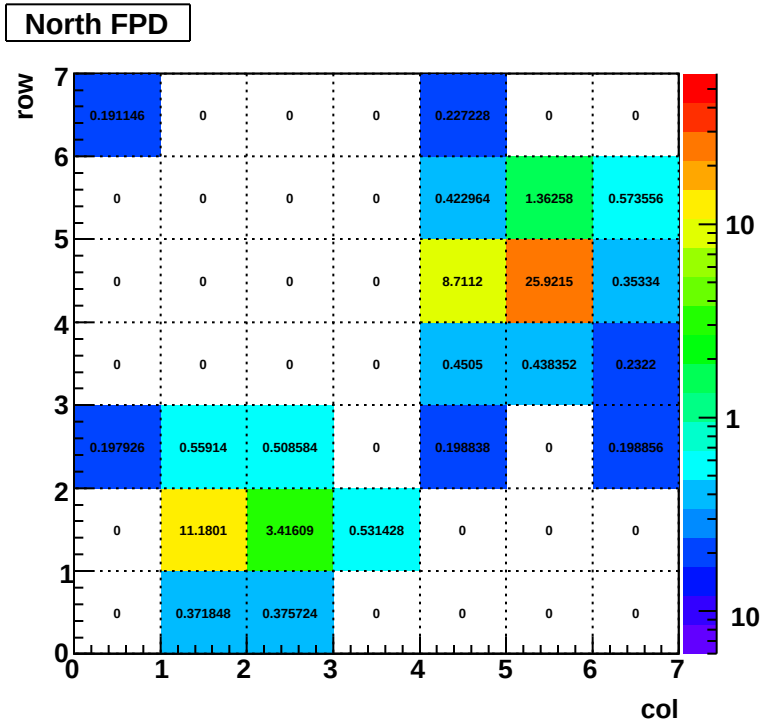
(1) Energy=40.306591 Y=-3.471618 Phi=-3.073119

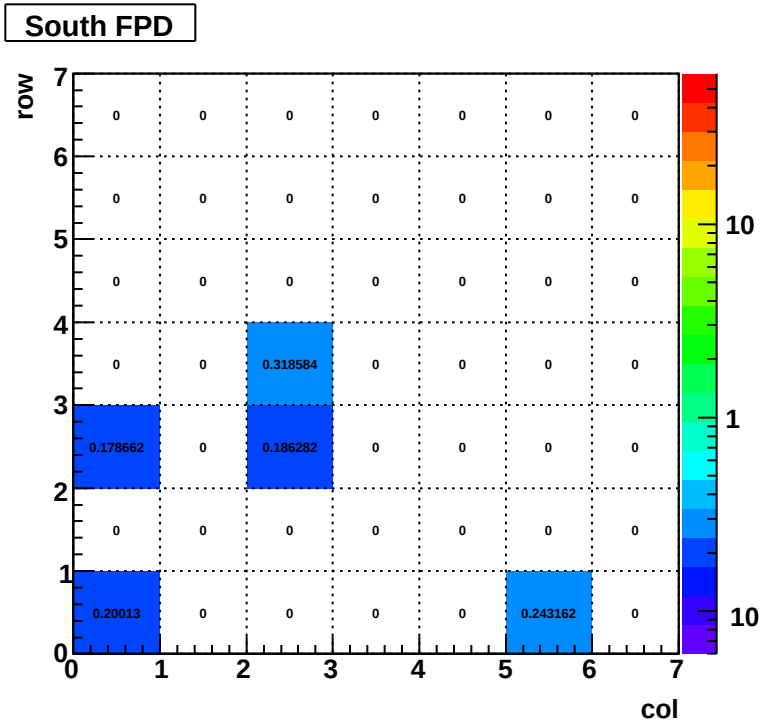
(2) Energy=17.845266 Y=-3.733350 Phi=2.933642

M12=0.556 Y12=-3.552 Phi12=3.140 E12=58.152

SumN(-) = 43 SumN(+)= 68 AN/.6=0.375







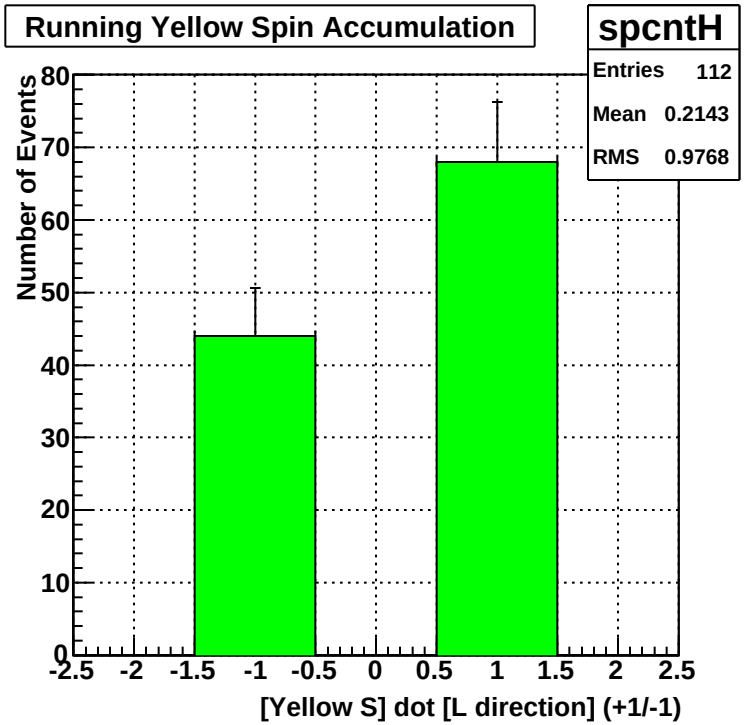
112) Rnum=7119004 EventN=7303447 (1 Yu-S[-])

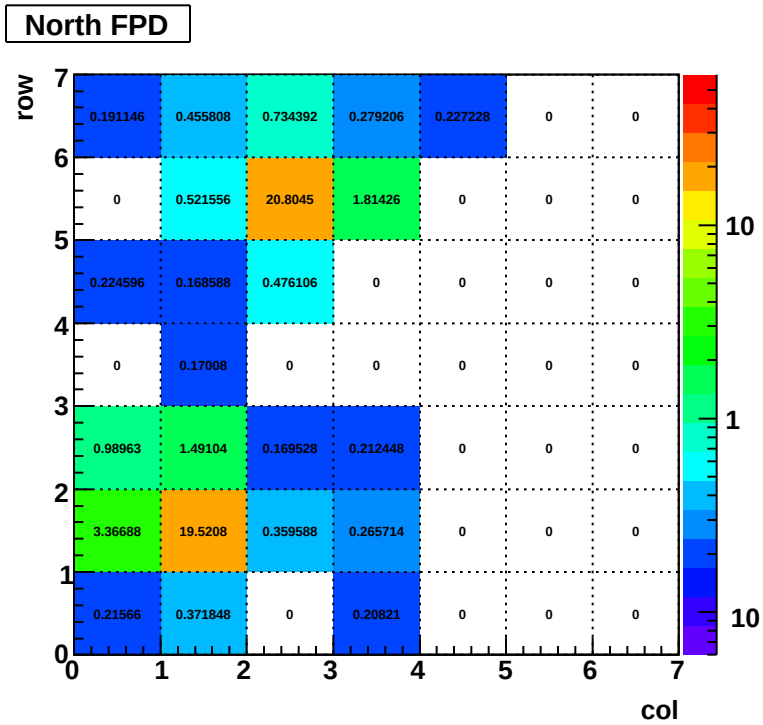
(1) Energy=27.114145 Y=-3.665262 Phi=-2.967935

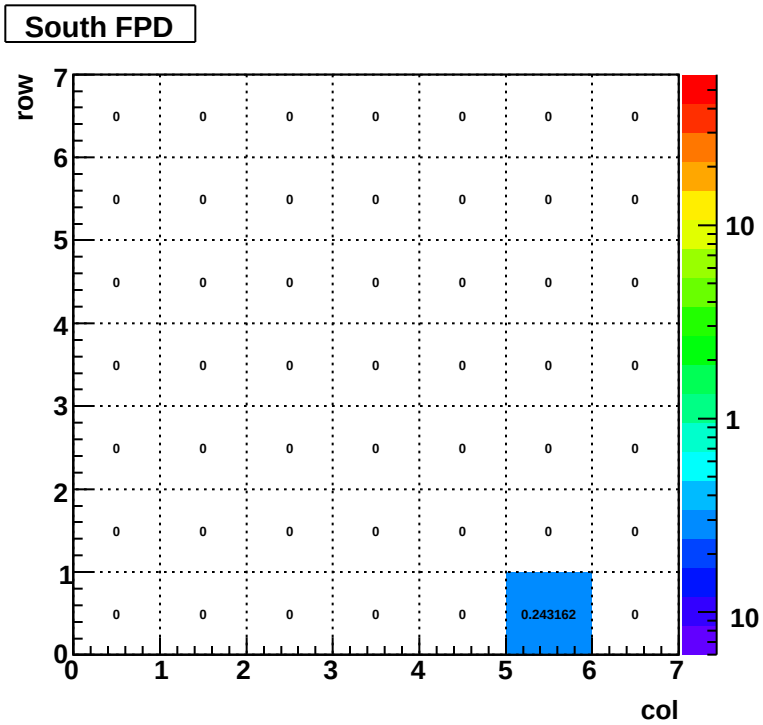
(2) Energy=28.368061 Y=-3.803195 Phi=2.929662

M12=0.539 Y12=-3.752 Phi12=3.131 E12=55.482

SumN(-) = 44 SumN(+)= 68 AN/.6=0.357







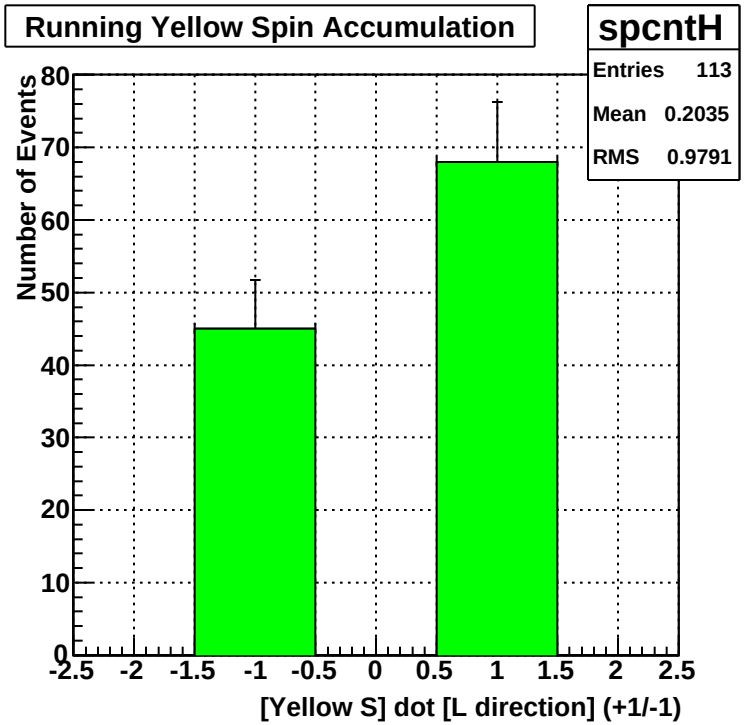
113) Rnum=7119004 EventN=7402630 (2 Yd-N[-])

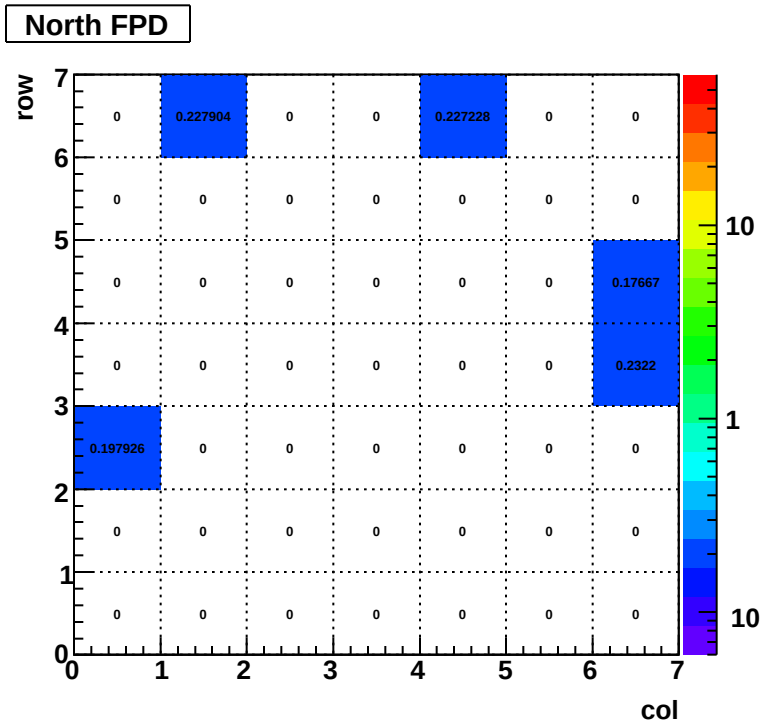
(1) Energy=37.429504 Y=-3.514823 Phi=-0.004392

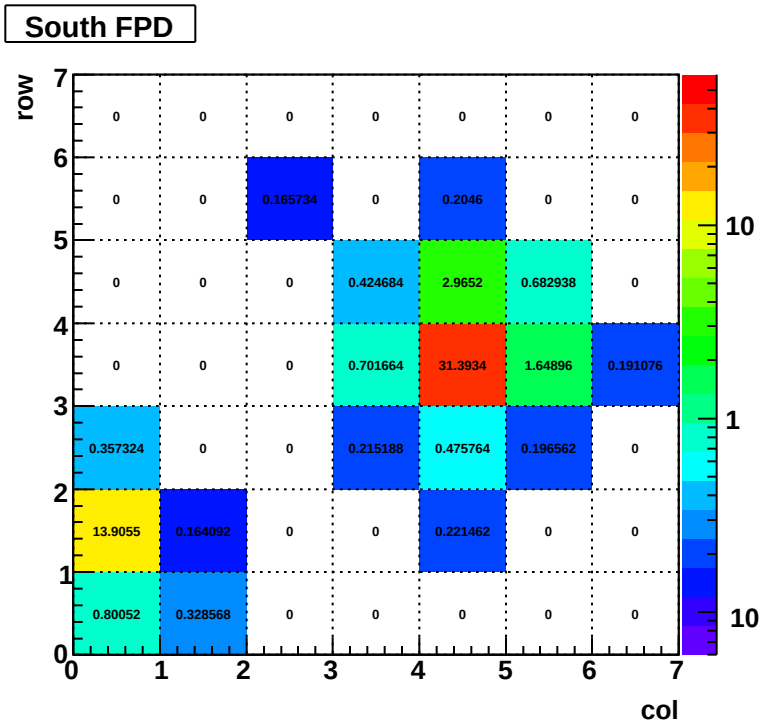
(2) Energy=17.912485 Y=-3.886133 Phi=0.261706

M12=0.586 Y12=-3.627 Phi12=0.061 E12=55.342

SumN(-) = 45 SumN(+)= 68 AN/.6=0.339







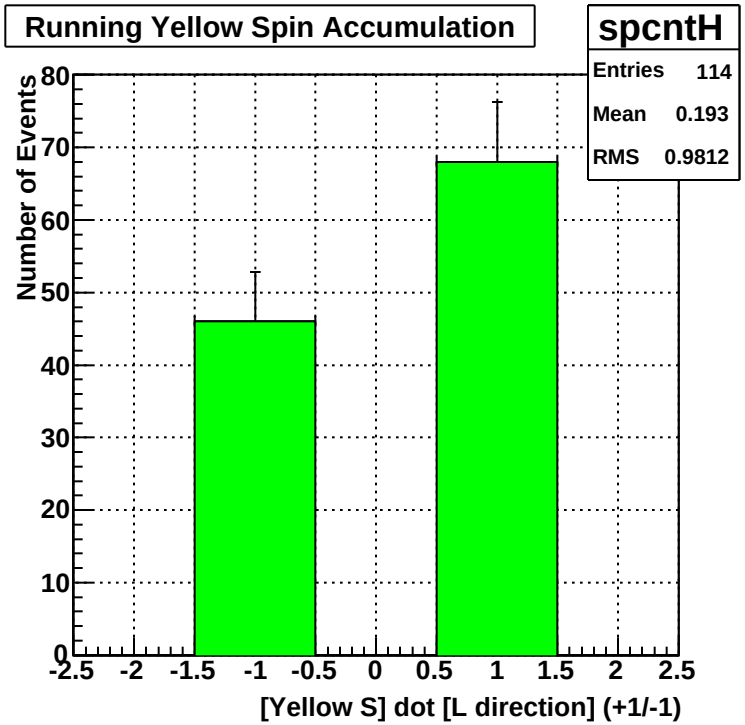
114) Rnum=7119004 EventN=1201899 (3 Yu-S[-])

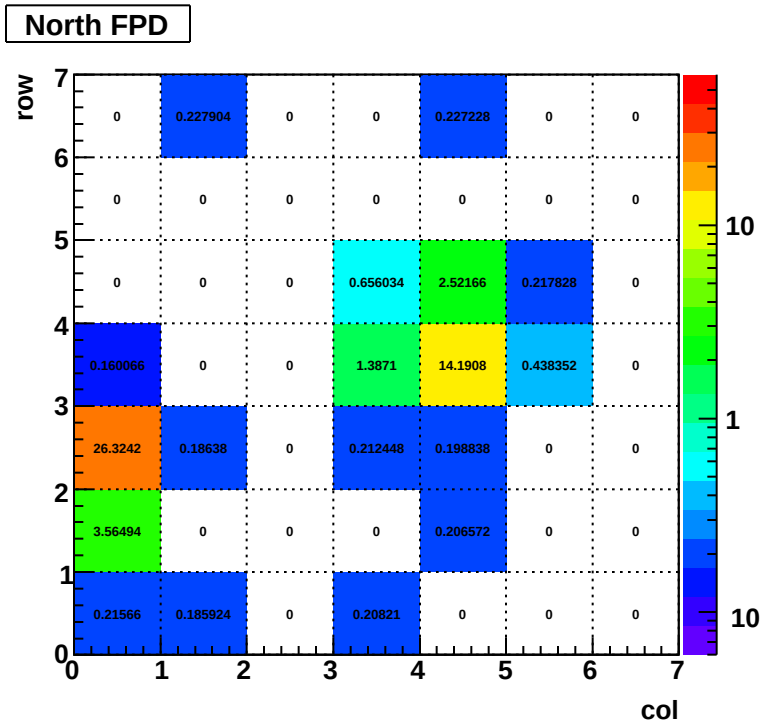
(1) Energy=35.336002 Y=-3.912216 Phi=2.976533

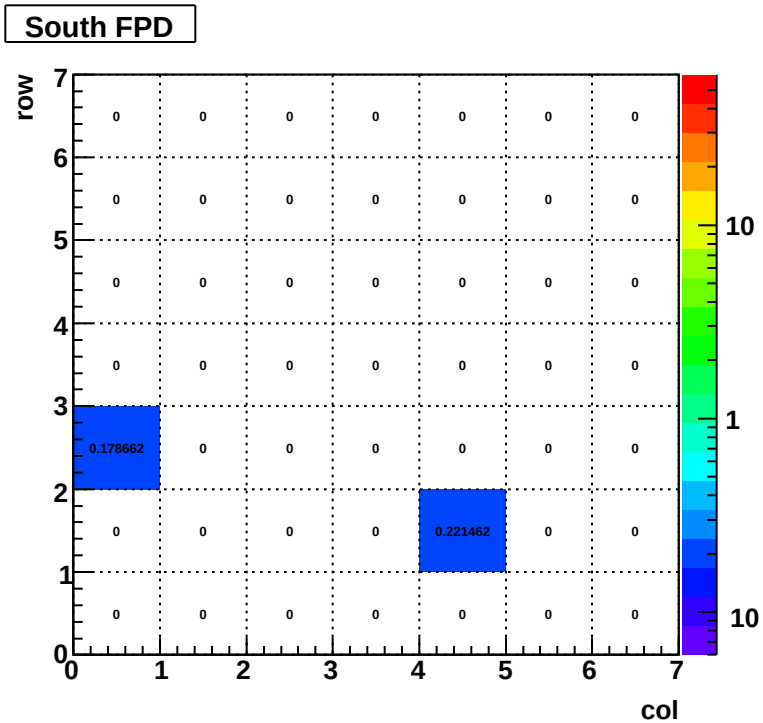
(2) Energy=20.014418 Y=-3.537399 Phi=-3.129130

M12=0.534 Y12=-3.764 Phi12=3.057 E12=55.350

SumN(-) = 46 SumN(+)= 68 AN/.6=0.322







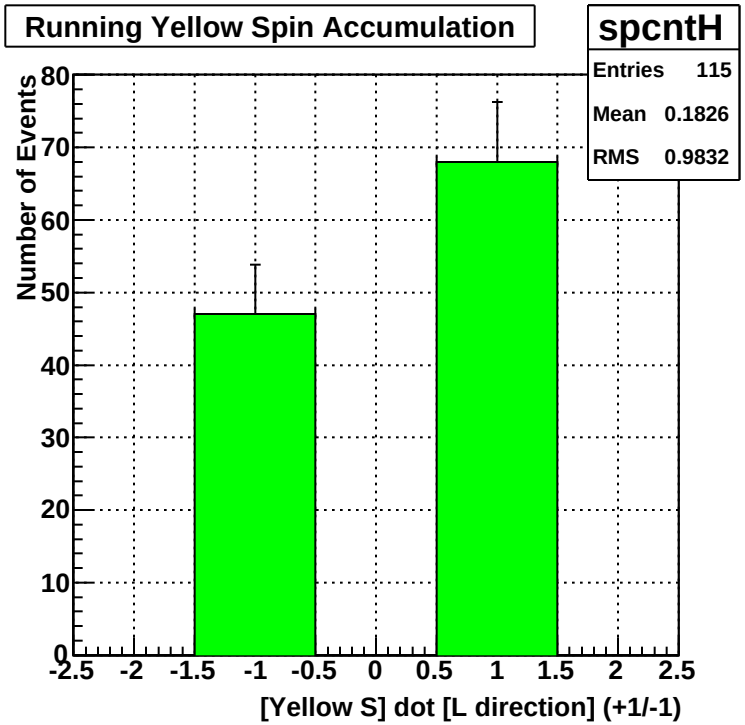
115) Rnum=7119019 EventN=3707482 (2 Yd-N[-])

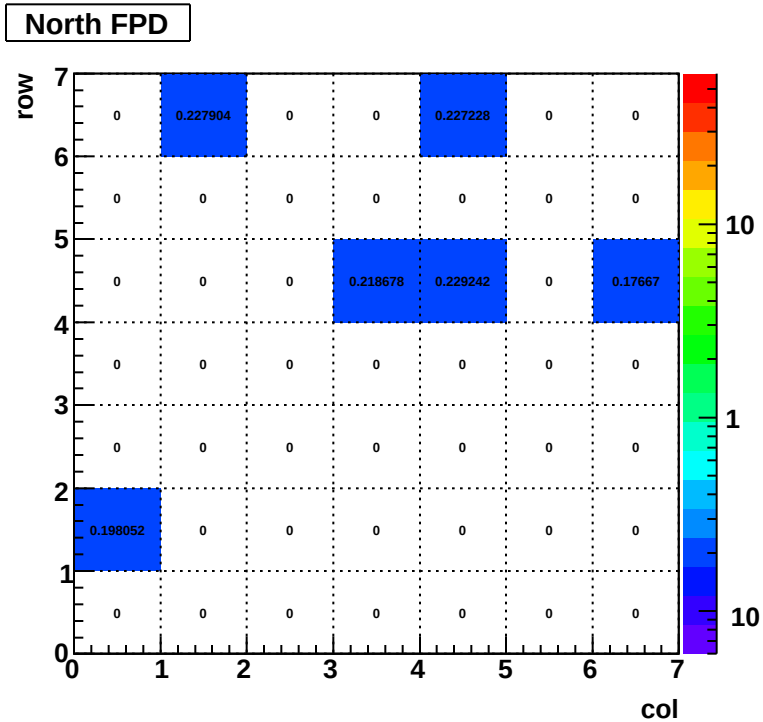
(1) Energy=23.168472 Y=-3.838114 Phi=0.308684

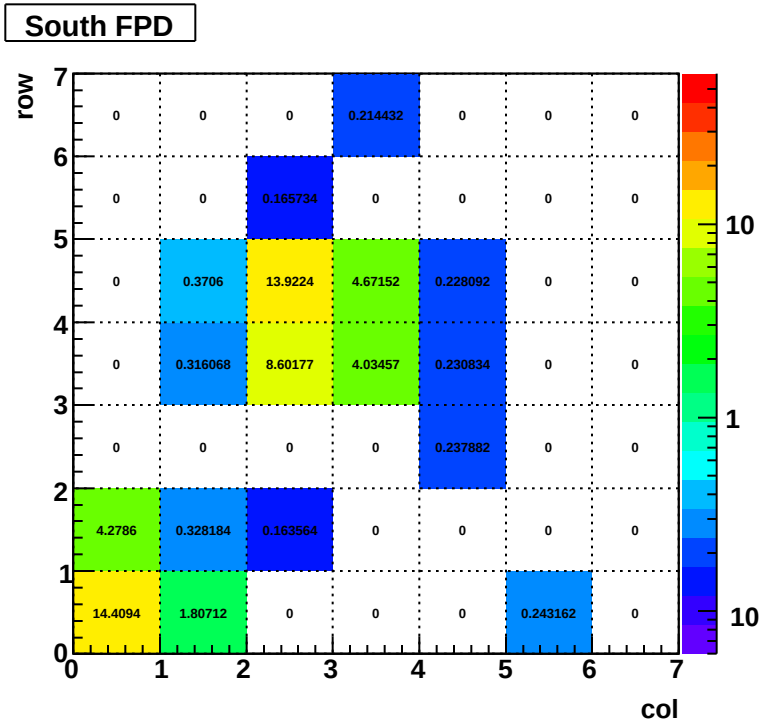
(2) Energy=34.065918 Y=-3.657468 Phi=-0.035074

M12=0.512 Y12=-3.740 Phi12=0.089 E12=57.234

SumN(-) = 47 SumN(+)= 68 AN/.6=0.304







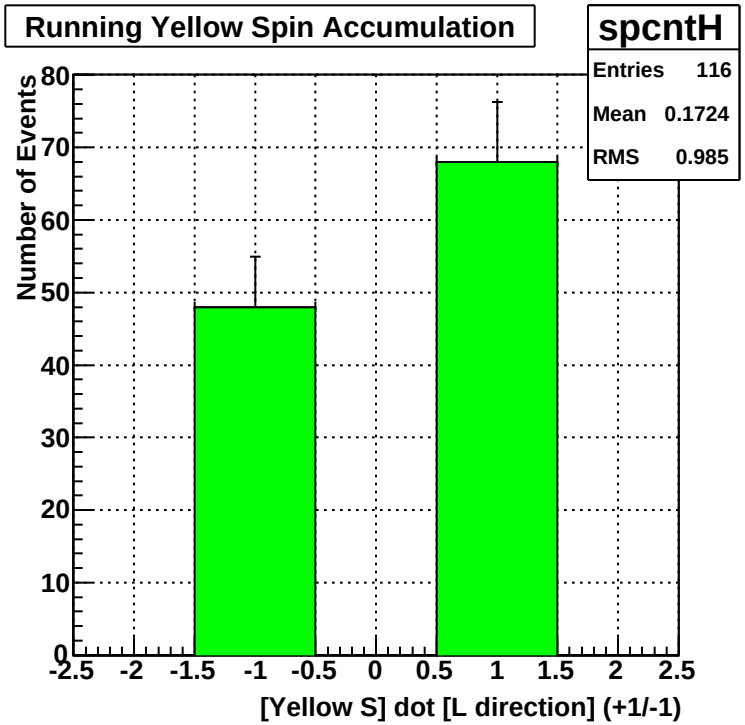
116) Rnum=7119019 EventN=5807489 (1 Yu-S[-])

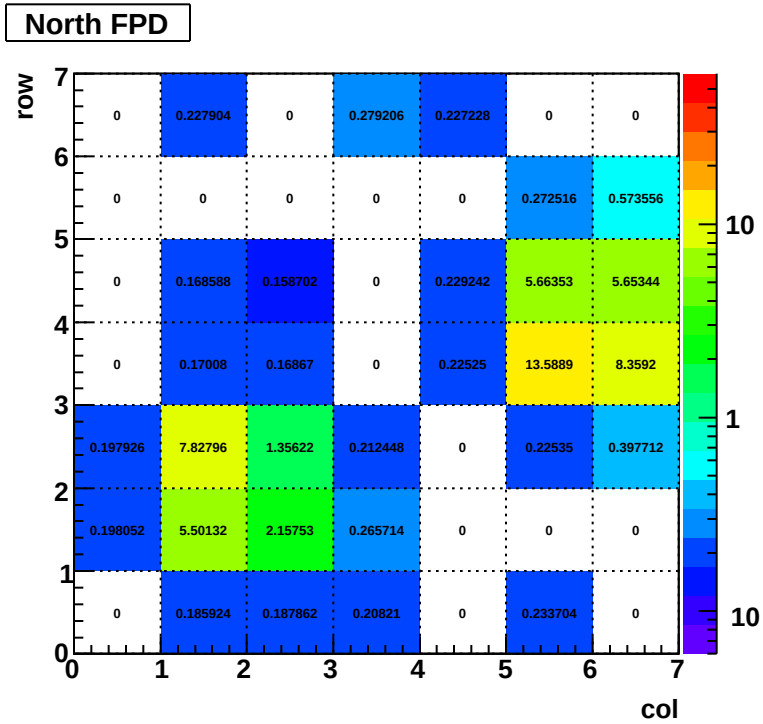
(1) Energy=36.769306 Y=-3.410845 Phi=-3.121044

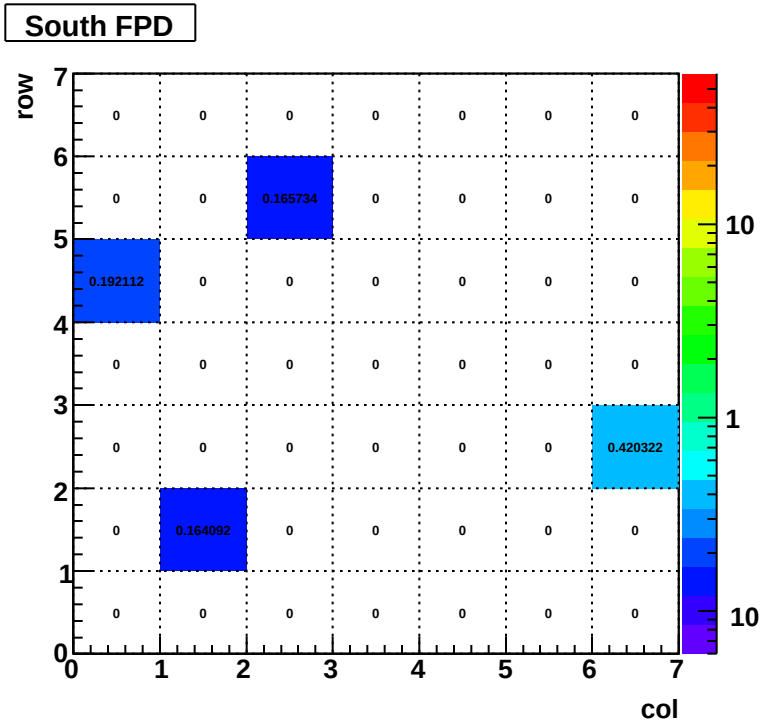
(2) Energy=18.353203 Y=-3.746440 Phi=2.978493

M12=0.556 Y12=-3.514 Phi12=3.114 E12=55.123

SumN(-) = 48 SumN(+)= 68 AN/.6=0.287







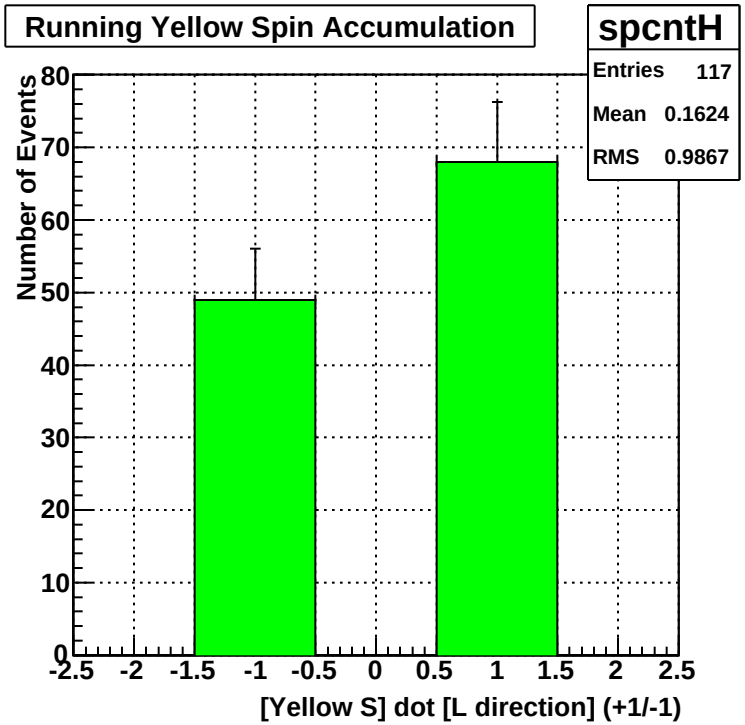
117) Rnum=7119019 EventN=5905808 (0 Yd-N[-])

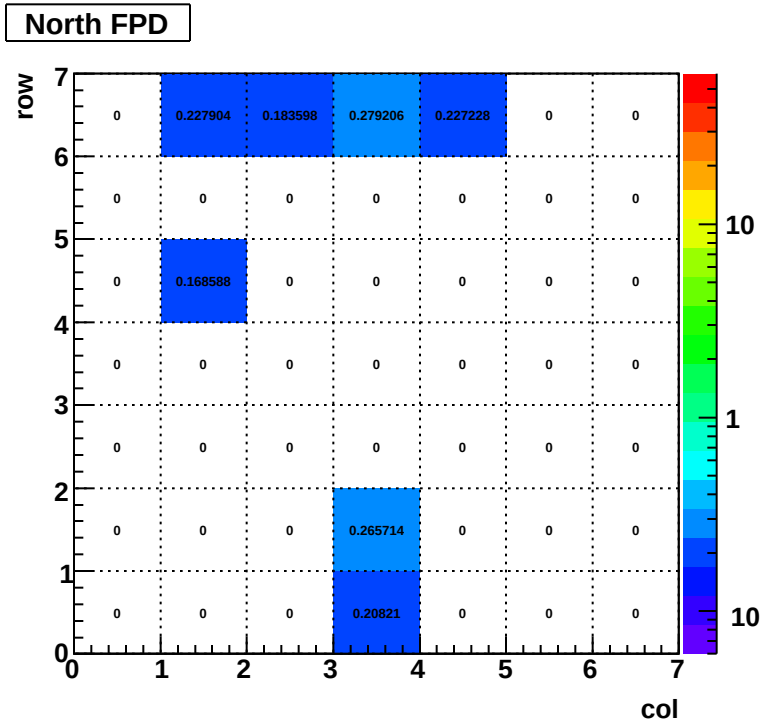
(1) Energy=41.855873 Y=-3.684073 Phi=0.180426

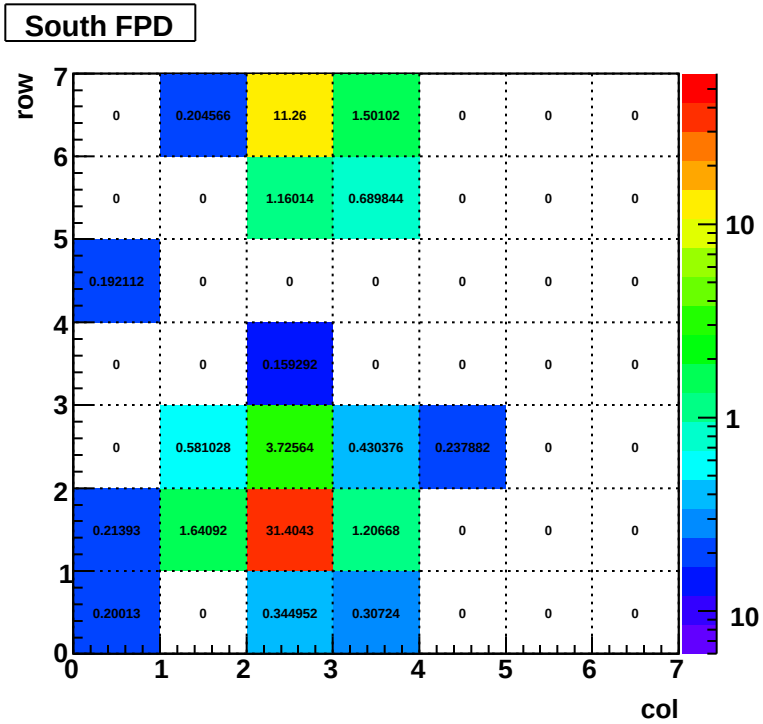
(2) Energy=16.432550 Y=-3.642409 Phi=-0.241584

M12=0.566 Y12=-3.691 Phi12=0.059 E12=58.288

SumN(-) = 49 SumN(+)= 68 AN/.6=0.271







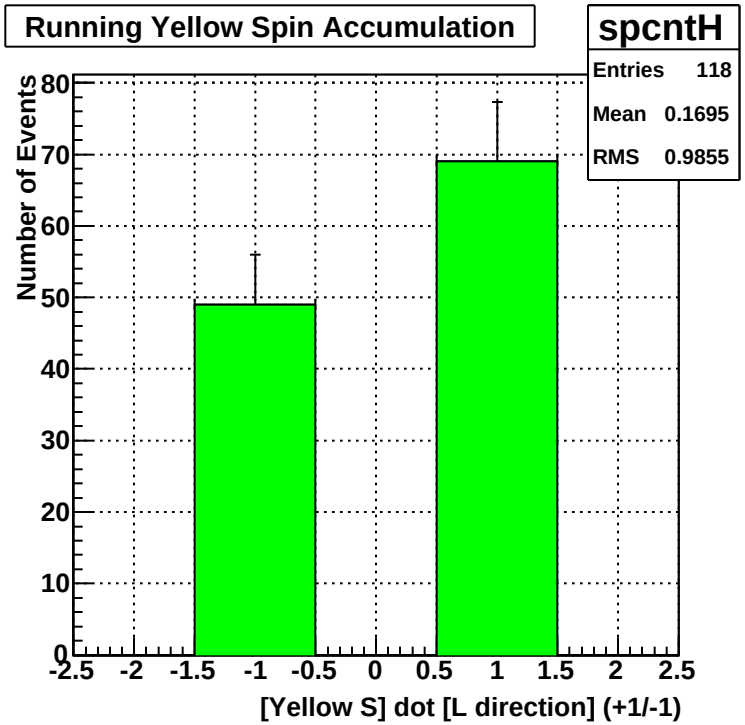
118) Rnum=7119019 EventN=6003048 (0 Yd-S[+])

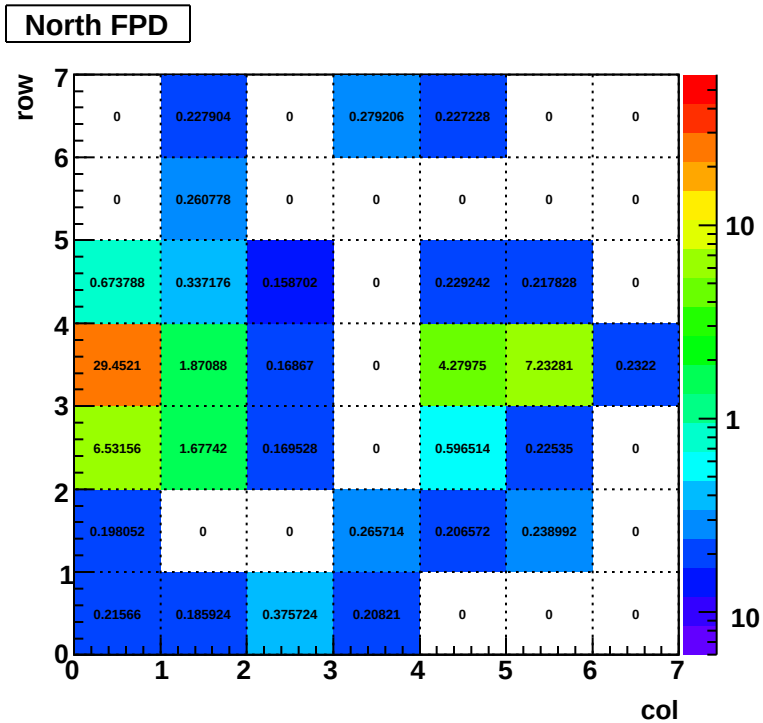
(1) Energy=44.786755 Y=-3.890227 Phi=3.086538

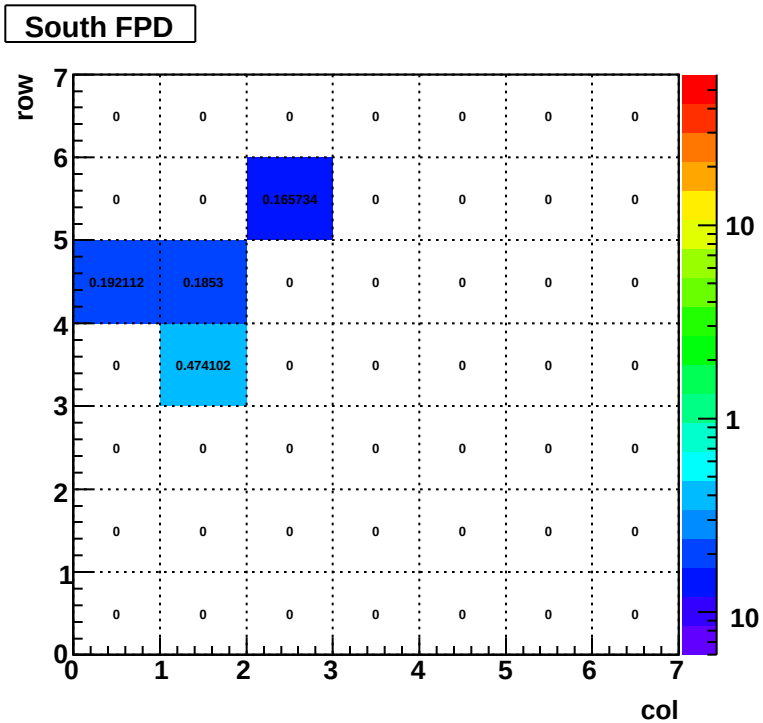
(2) Energy=13.498041 Y=-3.479463 Phi=3.127322

M12=0.513 Y12=-3.779 Phi12=3.099 E12=58.285

SumN(-) = 49 SumN(+)= 69 AN/.6=0.282







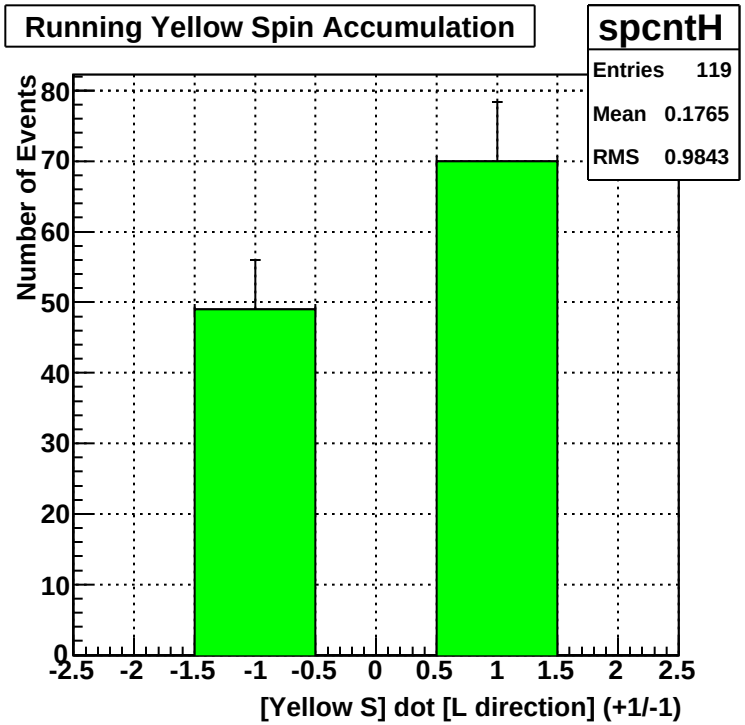
119) Rnum=7119019 EventN=6606107 (2 Yd-S[+])

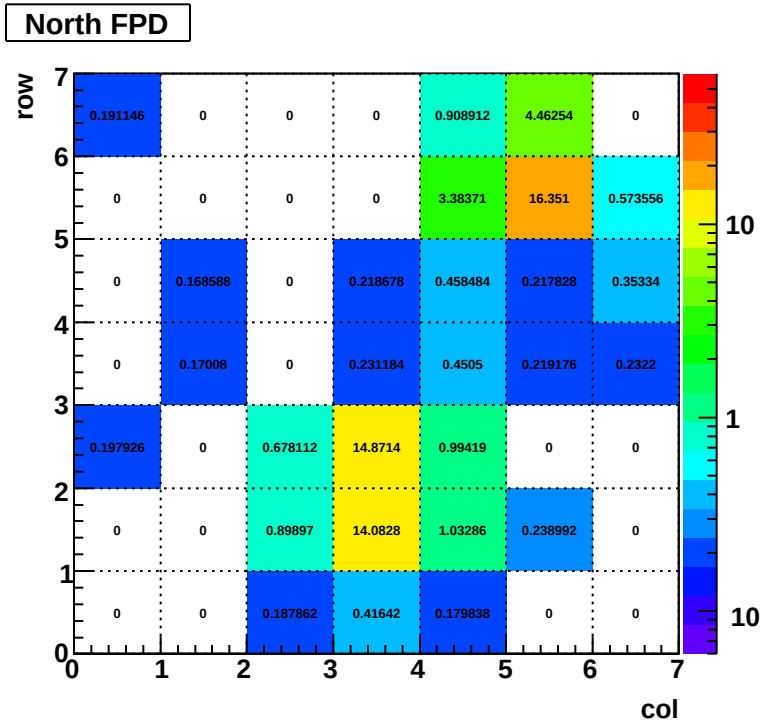
(1) Energy=31.892414 Y=-3.590433 Phi=3.001544

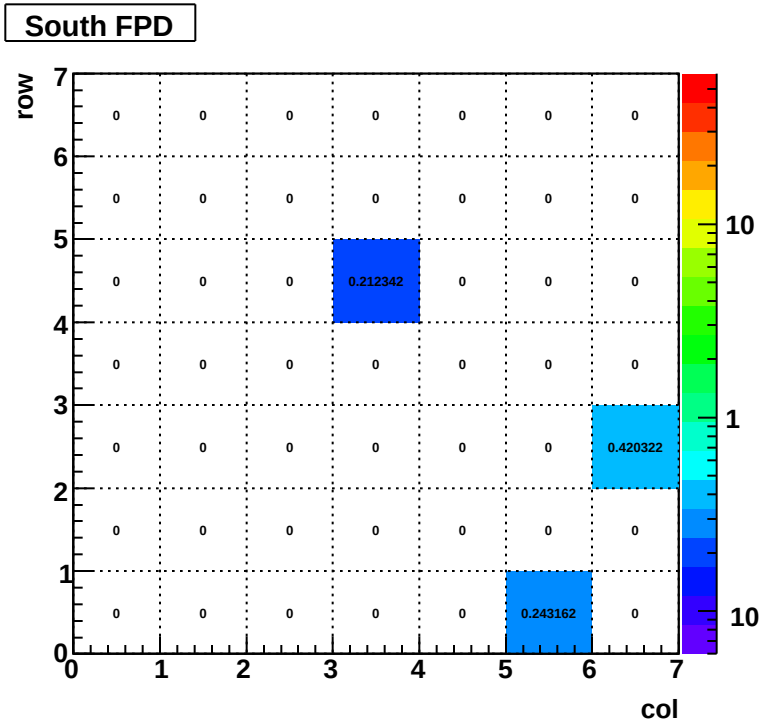
(2) Energy=24.186787 Y=-3.454882 Phi=-2.975696

M12=0.547 Y12=-3.541 Phi12=-3.140 E12=56.079

SumN(-) = 49 SumN(+)= 70 AN/.6=0.294







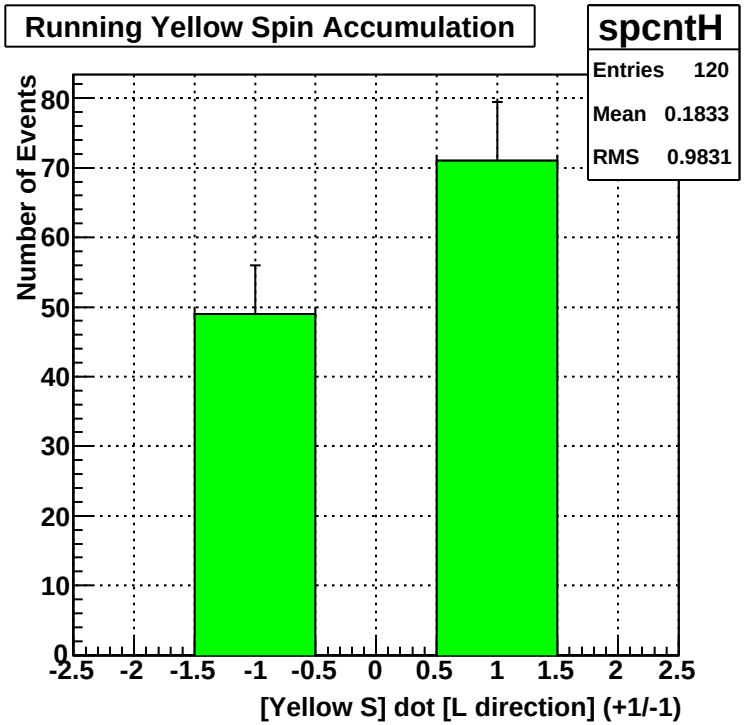
120) Rnum=7119020 EventN=5308072 (2 Yd-S[+])

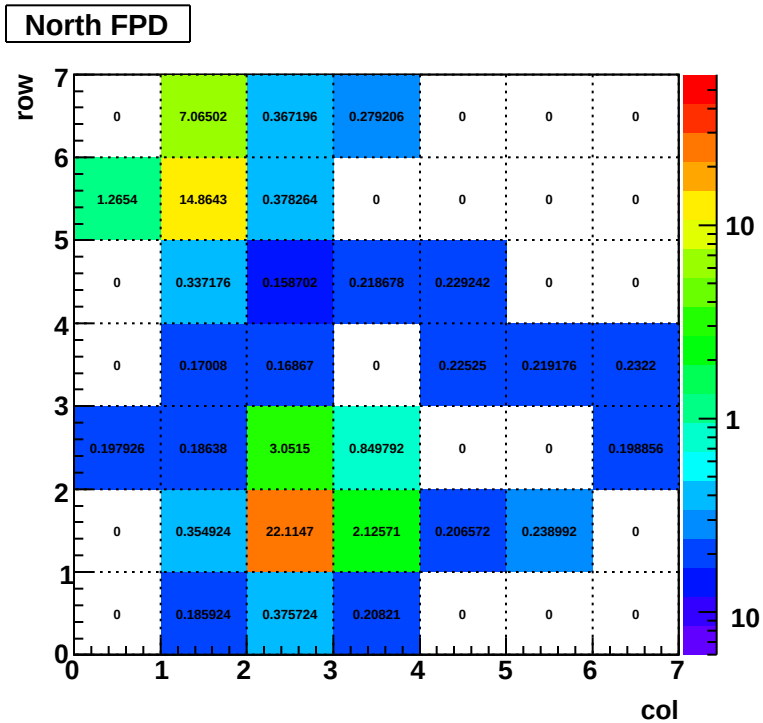
(1) Energy=31.267166 Y=-3.663491 Phi=2.967319

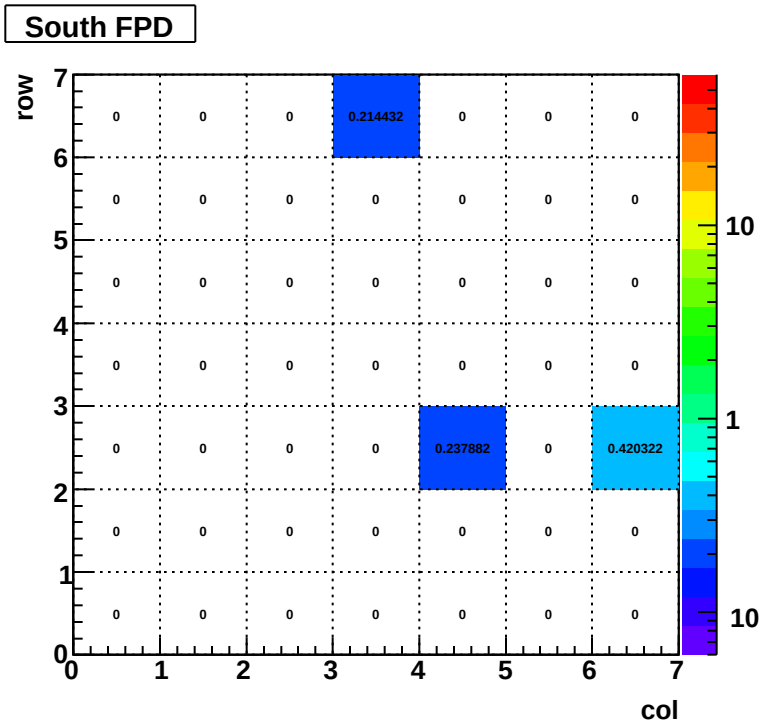
(2) Energy=25.244940 Y=-3.784738 Phi=-2.901343

M12=0.581 Y12=-3.737 Phi12=3.140 E12=56.512

SumN(-) = 49 SumN(+)= 71 AN/.6=0.306







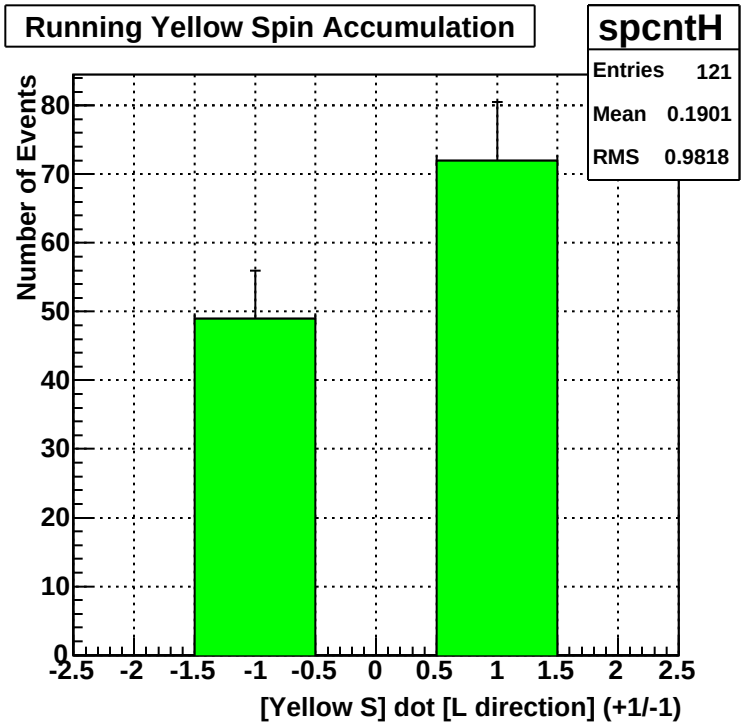
121) Rnum=7119020 EventN=6407712 (0 Yd-S[+])

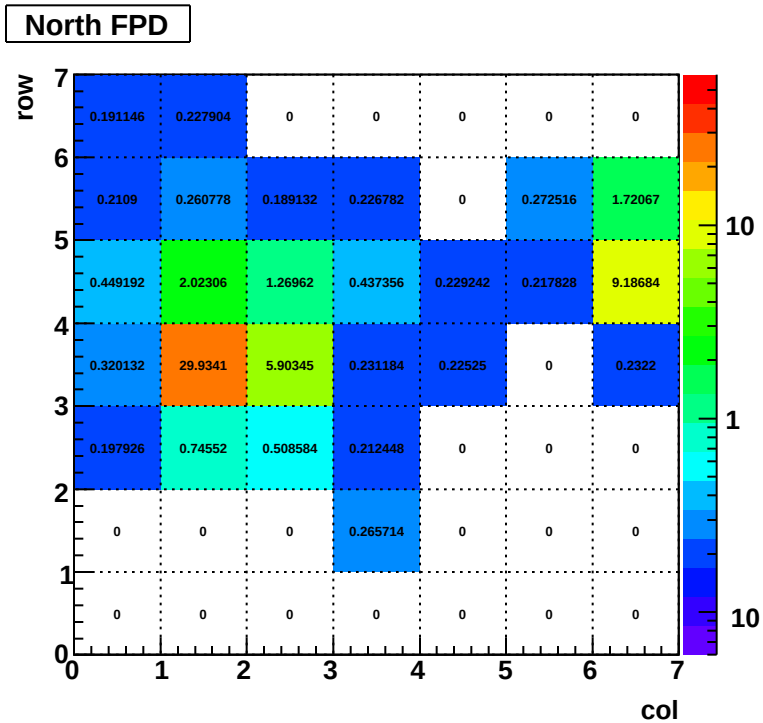
(1) Energy=42.780891 Y=-3.760755 Phi=3.140003

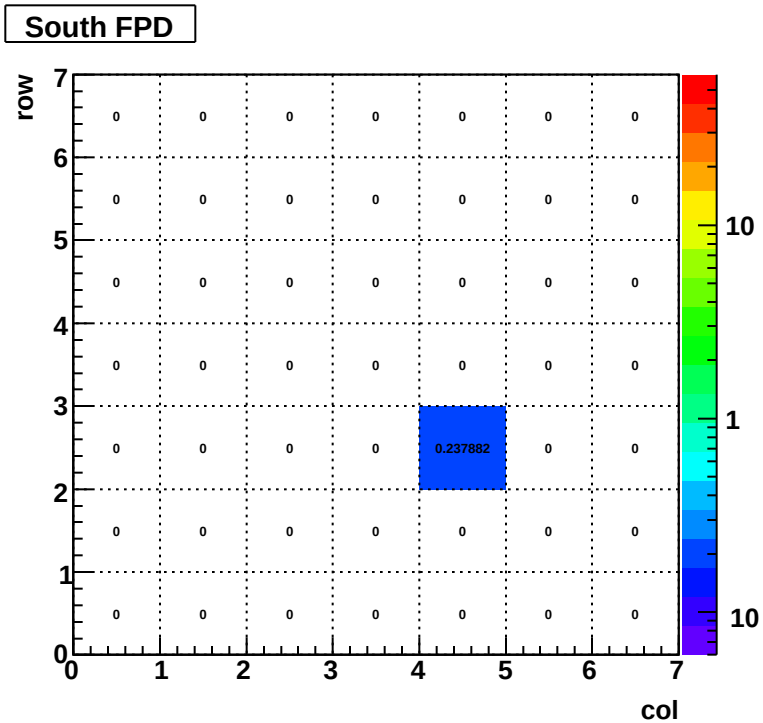
(2) Energy=13.020621 Y=-3.361928 Phi=-3.063986

M12=0.548 Y12=-3.653 Phi12=-3.118 E12=55.802

SumN(-) = 49 SumN(+)= 72 AN/.6=0.317







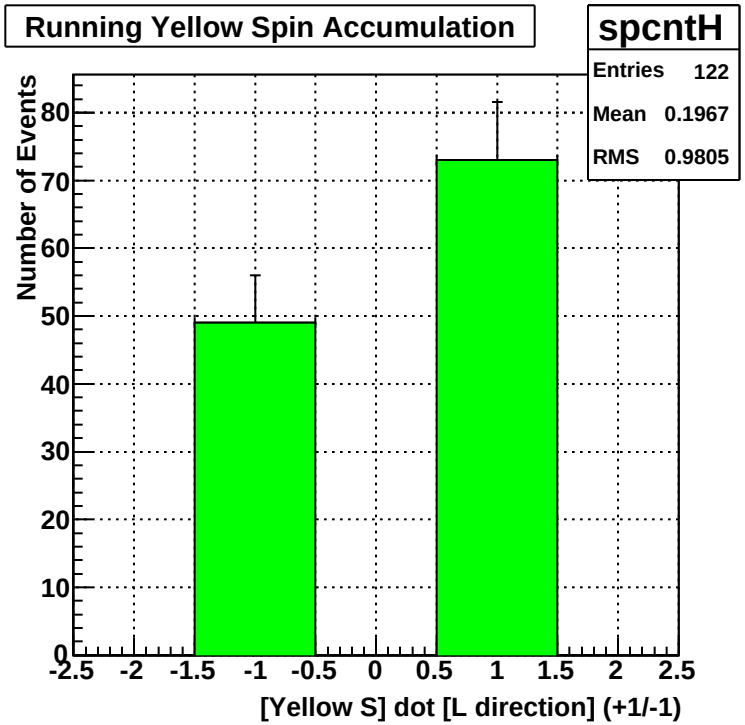
122) Rnum=7119020 EventN=6605072 (3 Yu-N[+])

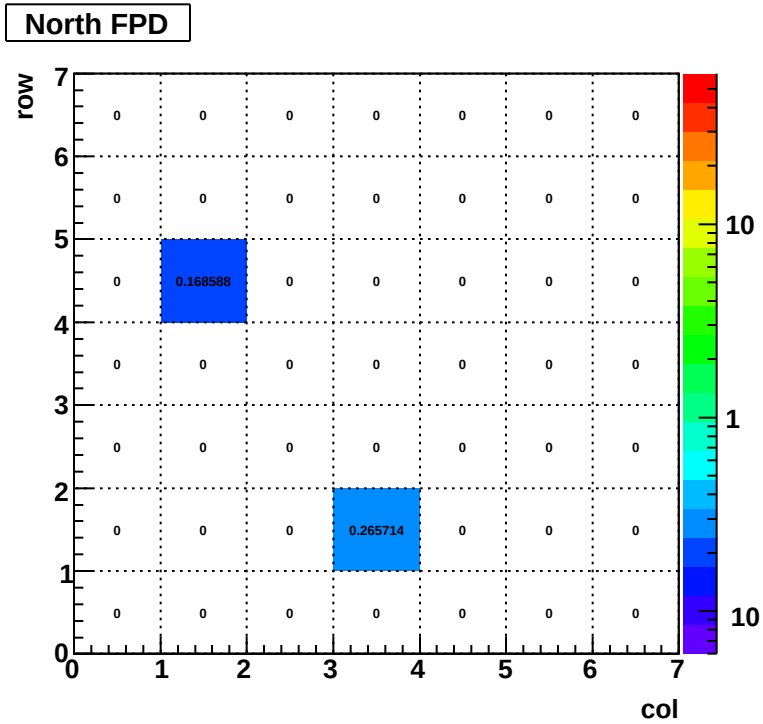
(1) Energy=31.627037 Y=-3.646036 Phi=0.215997

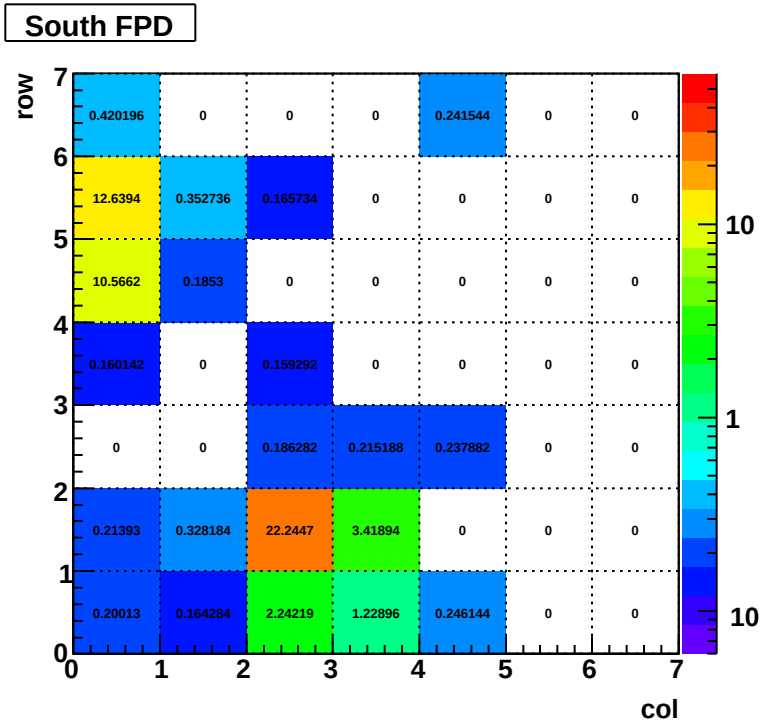
(2) Energy=28.041969 Y=-3.916159 Phi=-0.162096

M12=0.629 Y12=-3.781 Phi12=0.064 E12=59.669

SumN(-) = 49 SumN(+)= 73 AN/.6=0.328







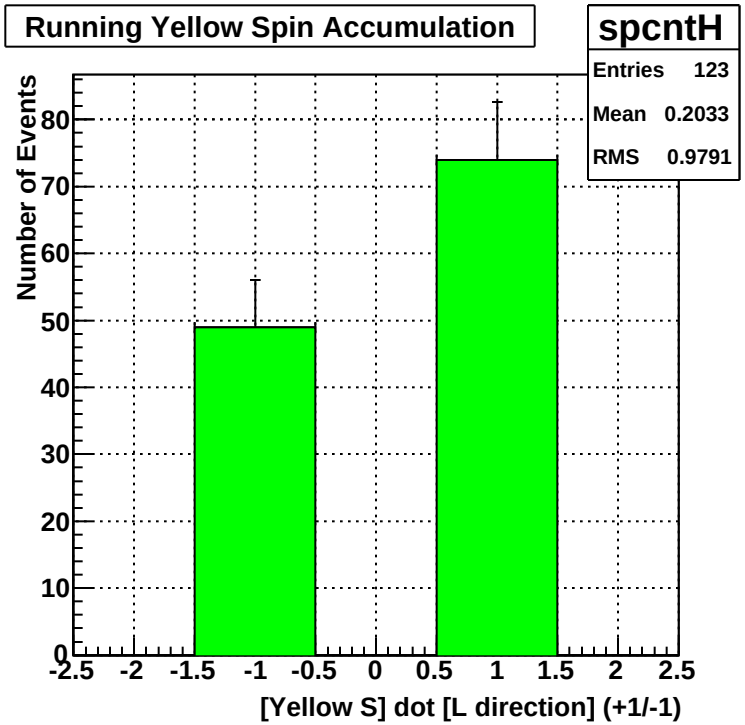
123) Rnum=7119020 EventN=505697 (3 Yu-N[+])

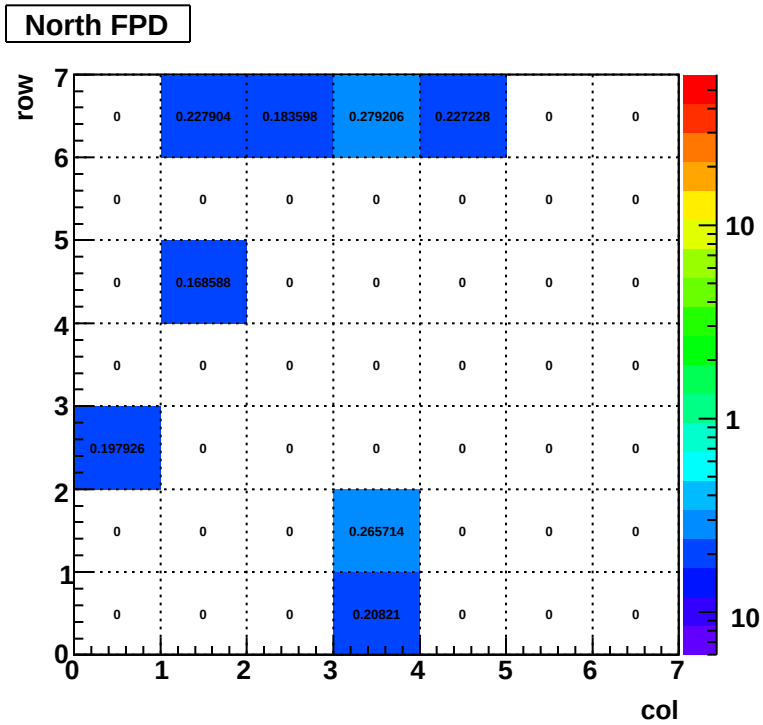
(1) Energy=44.657692 Y=-3.502310 Phi=-0.072583

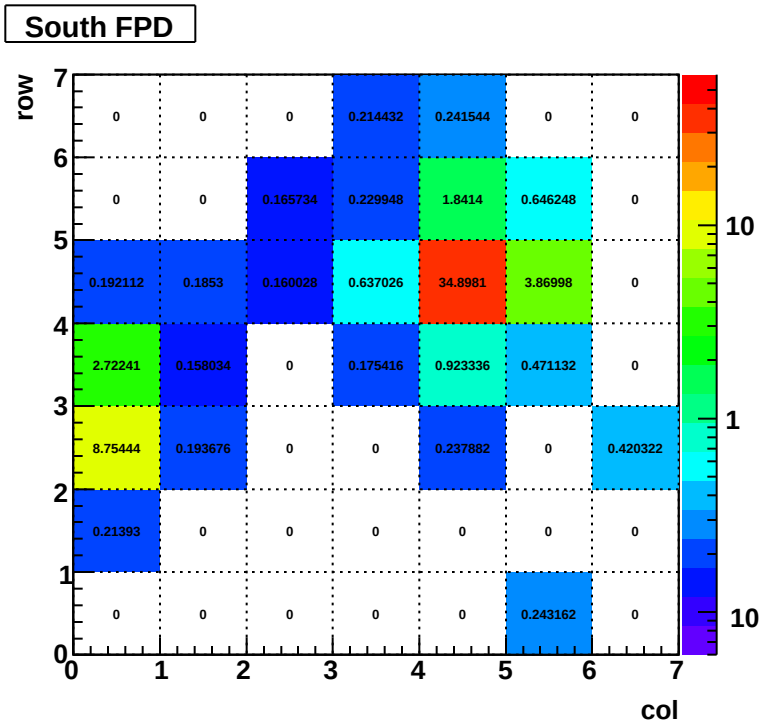
(2) Energy=14.836424 Y=-3.923640 Phi=0.090923

M12=0.571 Y12=-3.594 Phi12=-0.043 E12=59.494

SumN(-) = 49 SumN(+)= 74 AN/.6=0.339







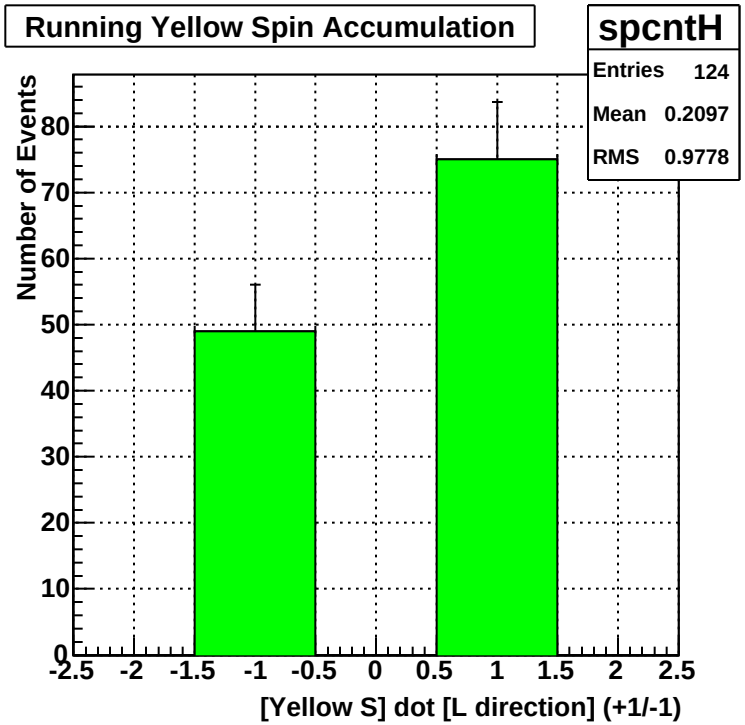
124) Rnum=7119020 EventN=2603058 (0 Yd-S[+])

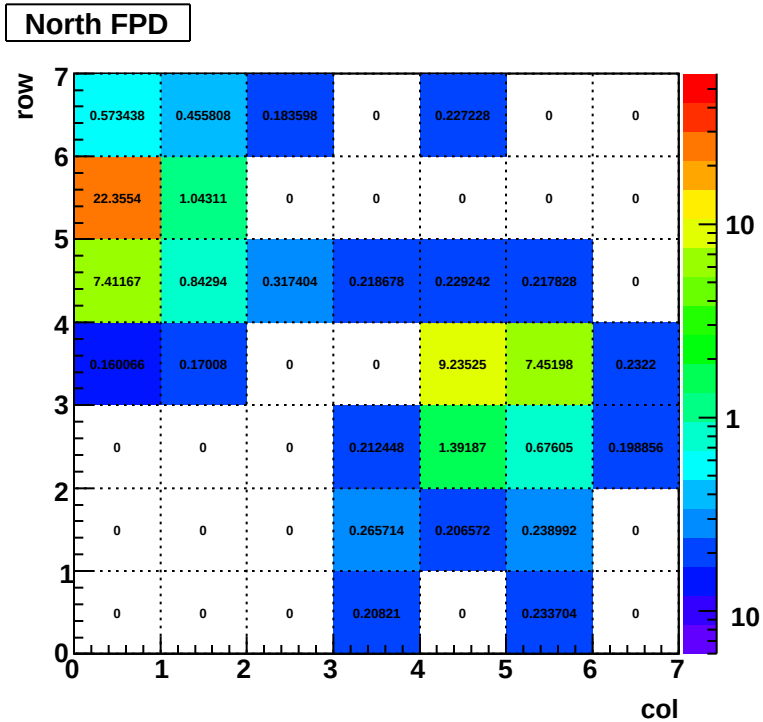
(1) Energy=36.542900 Y=-3.892189 Phi=-2.970848

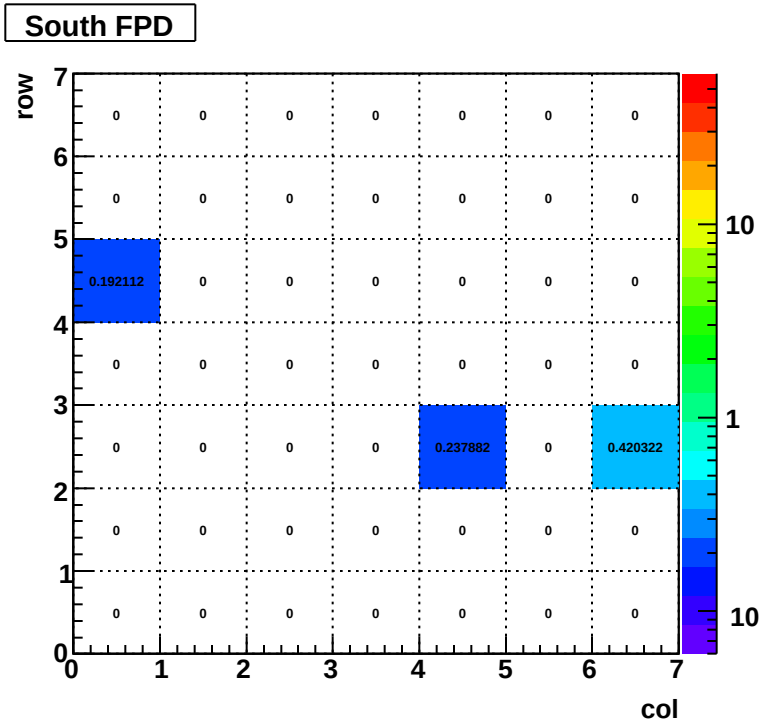
(2) Energy=20.104023 Y=-3.483651 Phi=3.116052

M12=0.618 Y12=-3.732 Phi12=-3.060 E12=56.647

SumN(-) = 49 SumN(+)= 75 AN/.6=0.349







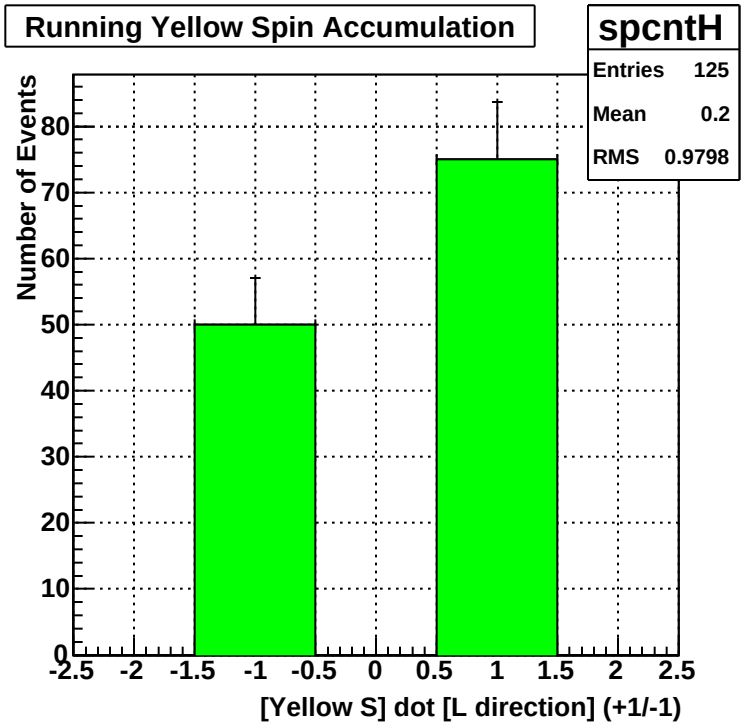
125) Rnum=7119021 EventN=108633 (1 Yu-S[-])

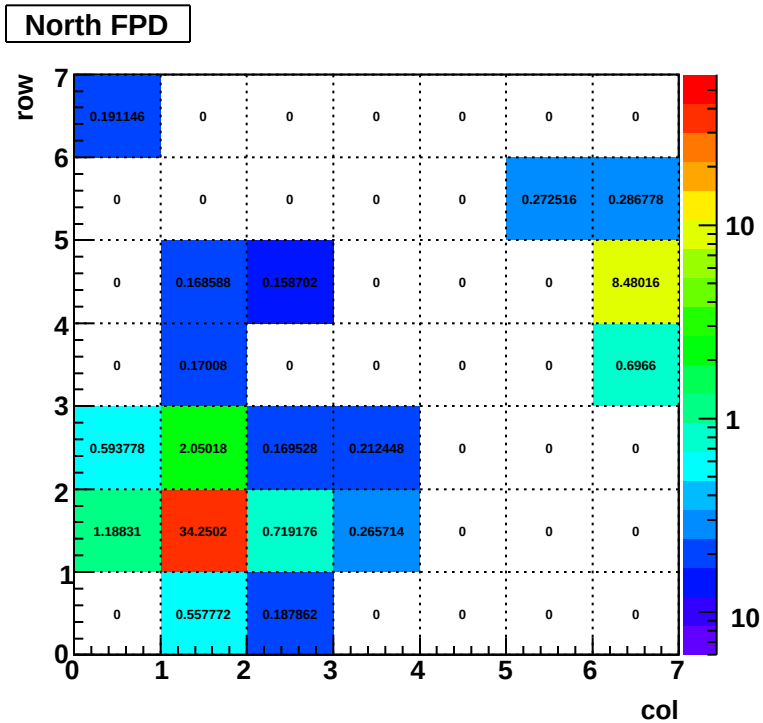
(1) Energy=44.612774 Y=-3.776629 Phi=2.929874

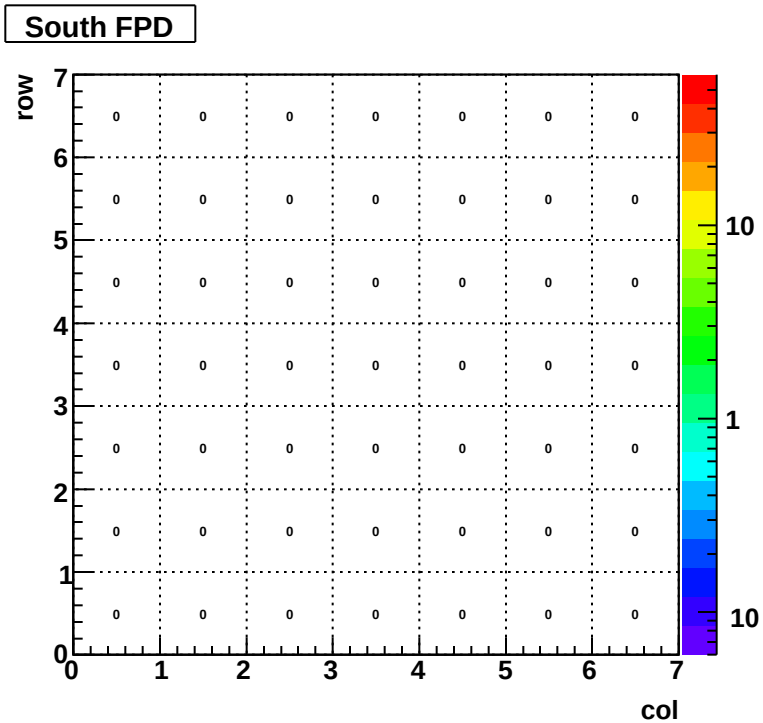
(2) Energy=11.218221 Y=-3.383023 Phi=-3.093290

M12=0.590 Y12=-3.691 Phi12=3.000 E12=55.831

SumN(-) = 50 SumN(+)= 75 AN/.6=0.333







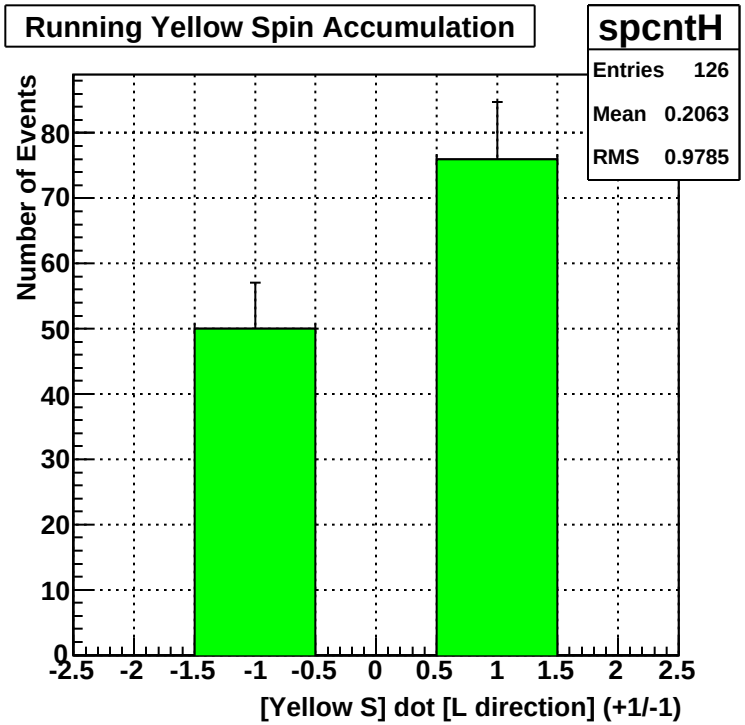
126) Rnum=7119021 EventN=1302238 (0 Yd-S[+])

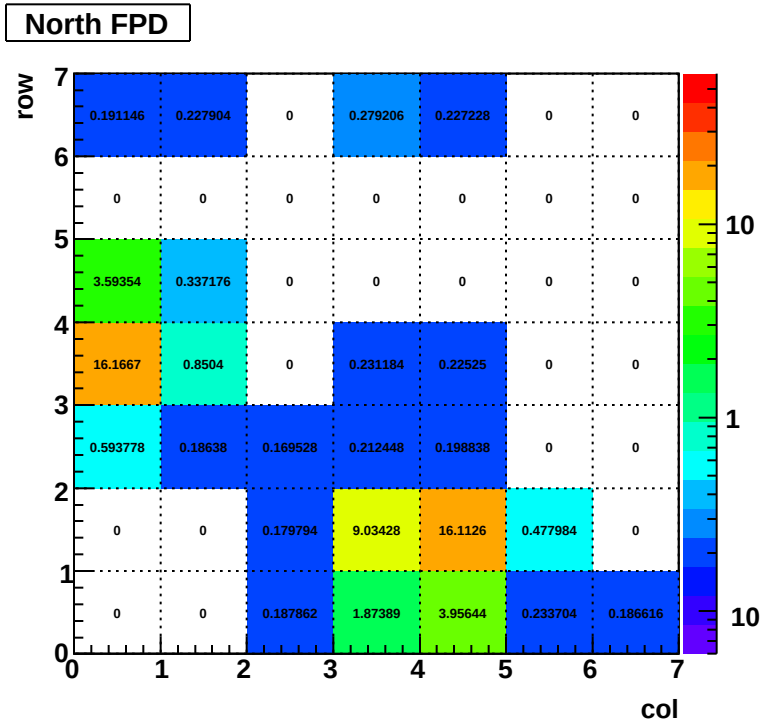
(1) Energy=24.169199 Y=-3.911620 Phi=-3.121596

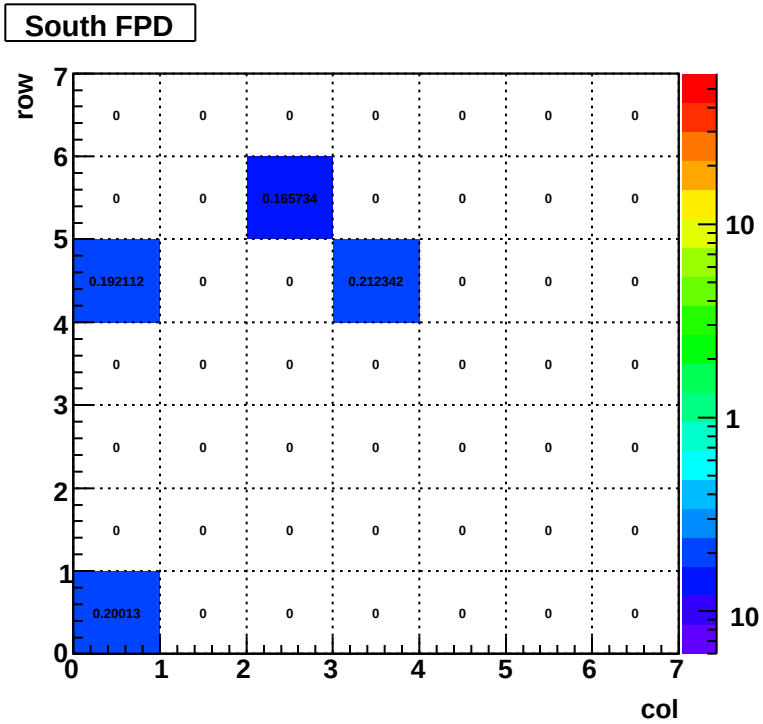
(2) Energy=32.275505 Y=-3.536759 Phi=2.939672

M12=0.589 Y12=-3.686 Phi12=3.015 E12=56.445

SumN(-) = 50 SumN(+)= 76 AN/.6=0.344







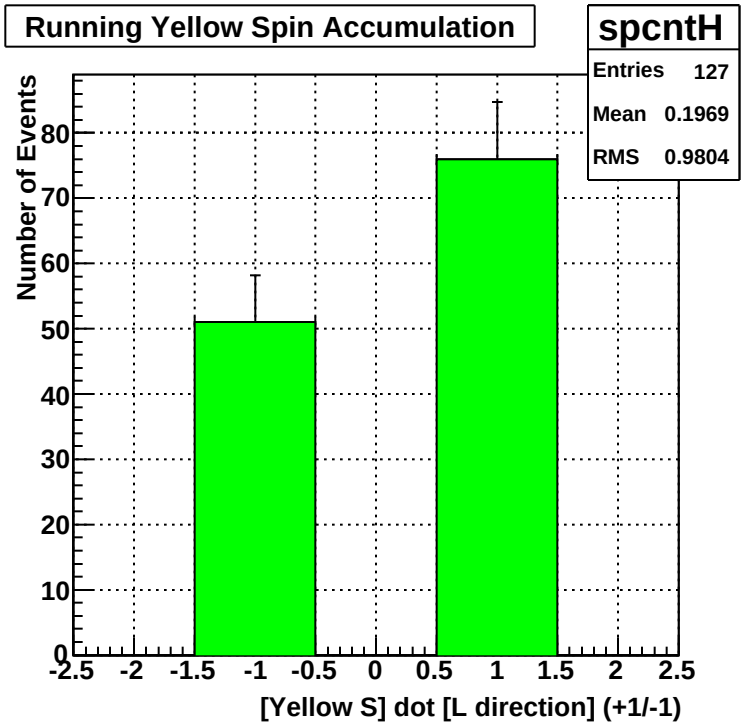
127) Rnum=7119021 EventN=1309225 (2 Yd-N[-])

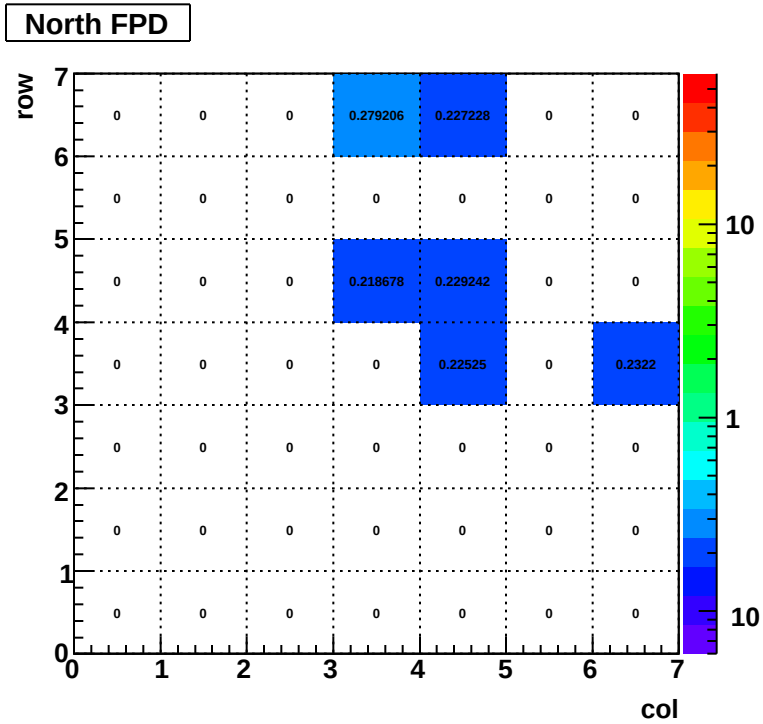
(1) Energy=34.769505 Y=-3.795171 Phi=-0.267701

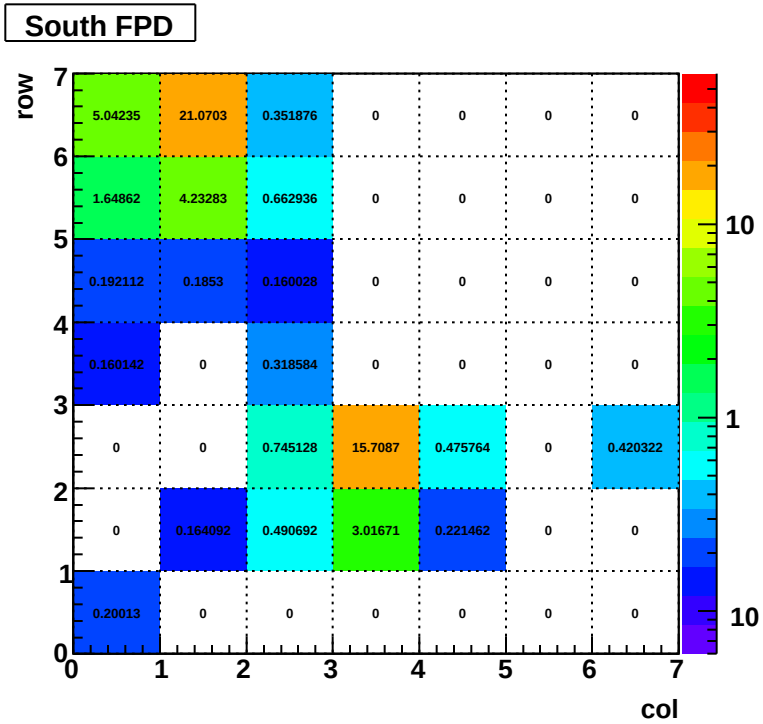
(2) Energy=20.532045 Y=-3.603622 Phi=0.126939

M12=0.577 Y12=-3.739 Phi12=-0.104 E12=55.302

SumN(-) = 51 SumN(+)= 76 AN/.6=0.328







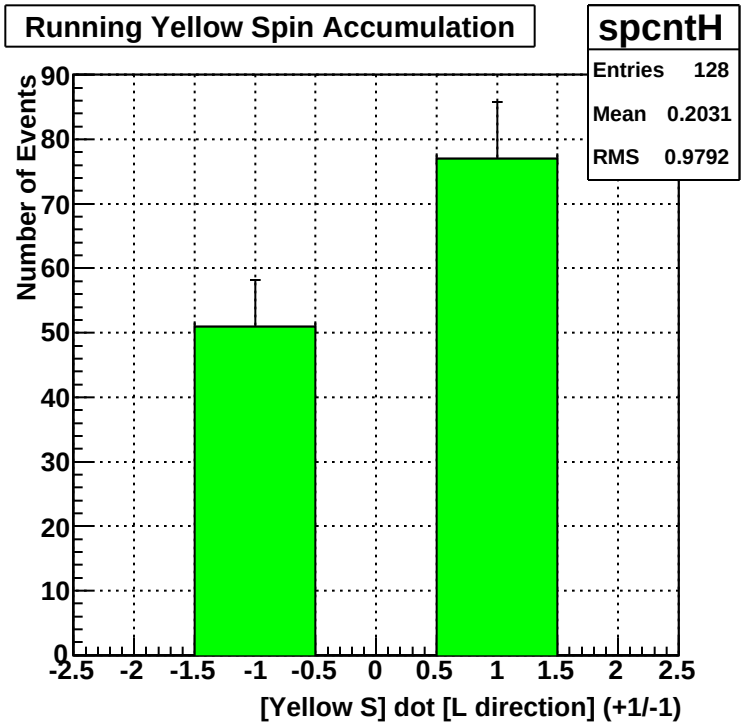
128) Rnum=7119023 EventN=2807642 (0 Yd-S[+])

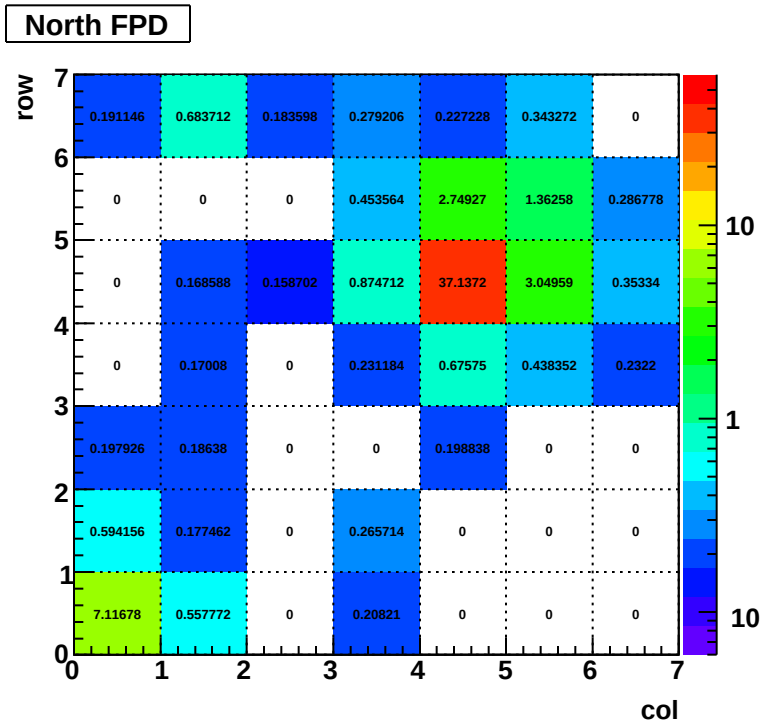
(1) Energy=47.399872 Y=-3.504176 Phi=-3.061964

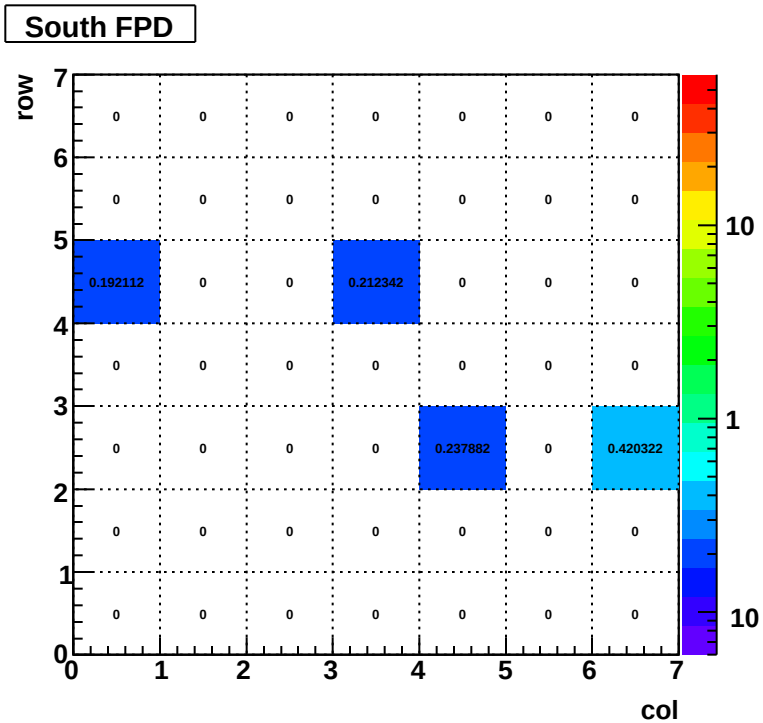
(2) Energy=9.497946 Y=-3.832073 Phi=2.810935

M12=0.567 Y12=-3.561 Phi12=-3.113 E12=56.898

SumN(-) = 51 SumN(+)= 77 AN/.6=0.339







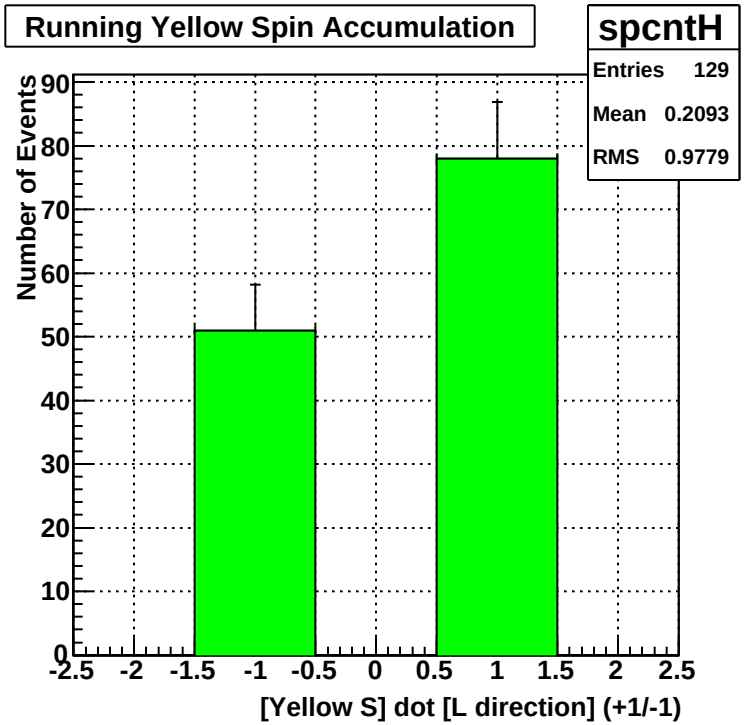
129) Rnum=7119025 EventN=1305848 (1 Yu-N[+])

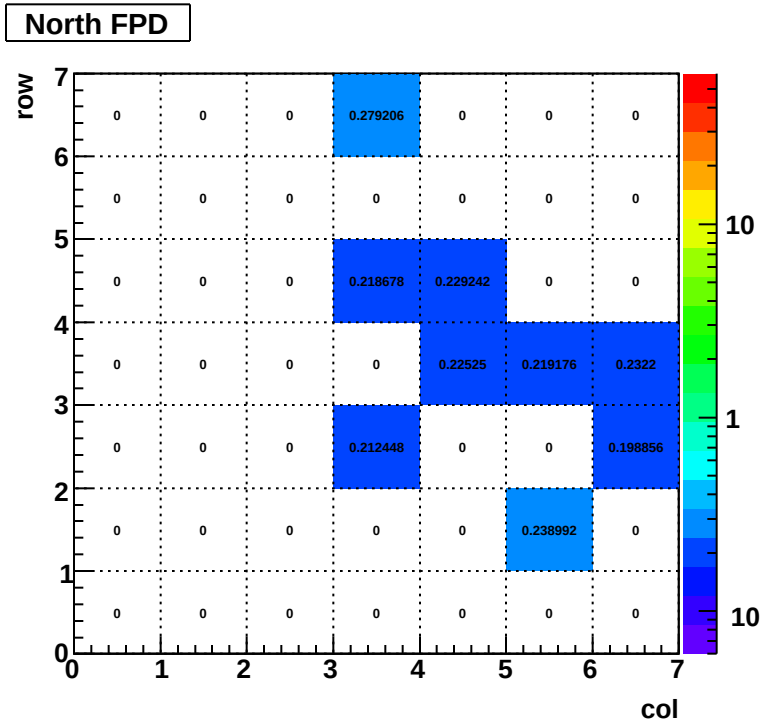
(1) Energy=33.604988 Y=-3.704673 Phi=-0.029000

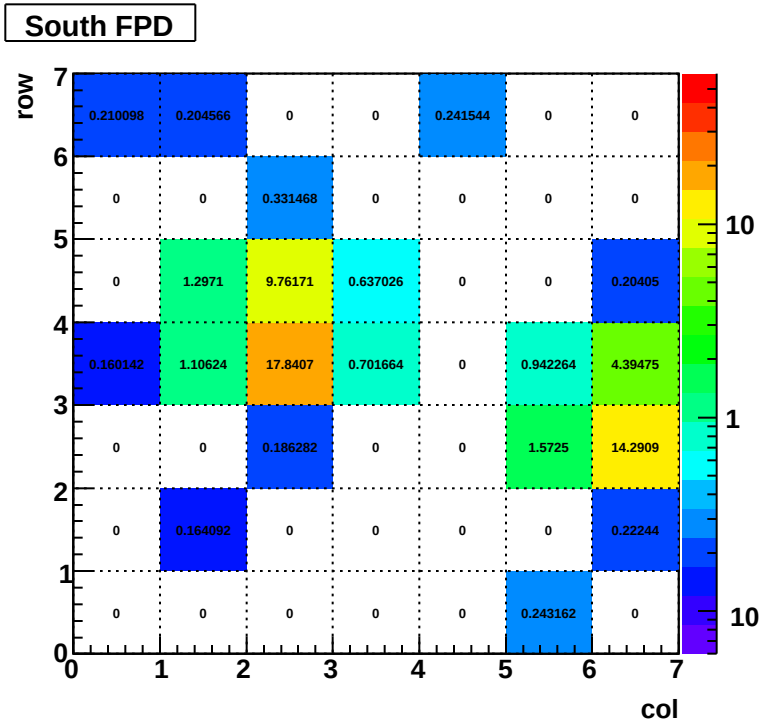
(2) Energy=22.180065 Y=-3.388266 Phi=0.052901

M12=0.516 Y12=-3.568 Phi12=0.010 E12=55.785

SumN(-) = 51 SumN(+)= 78 AN/.6=0.349







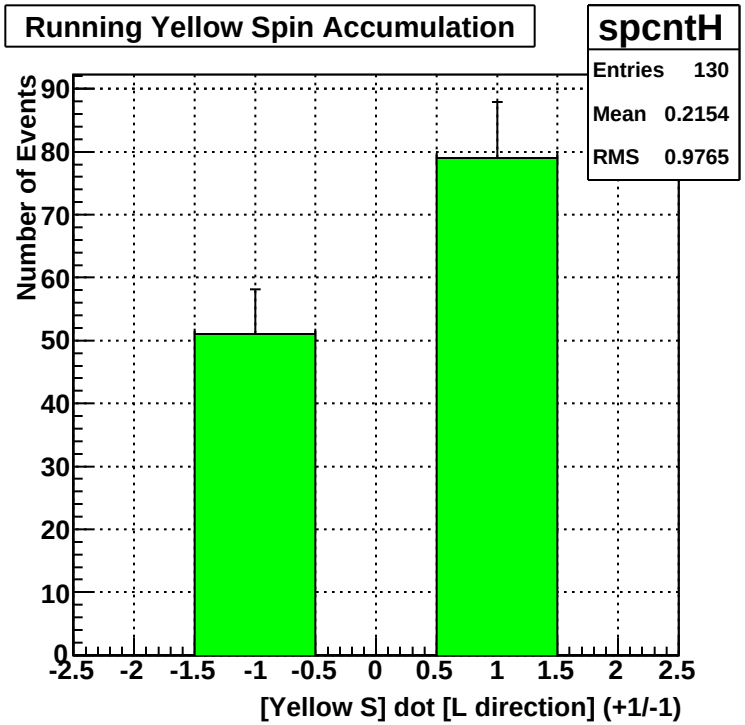
130) Rnum=7119026 EventN=3000440 (3 Yu-N[+])

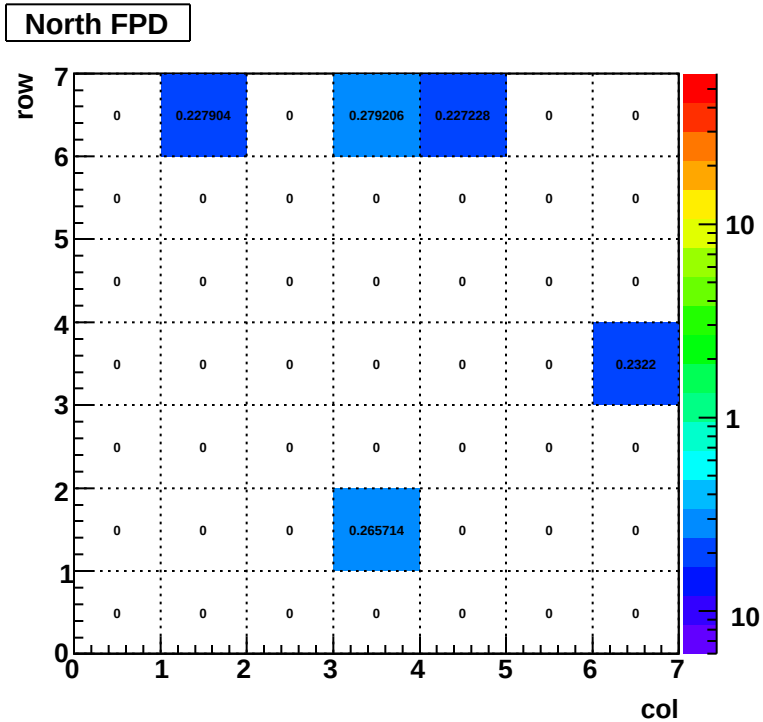
(1) Energy=26.866987 Y=-3.655542 Phi=-0.098159

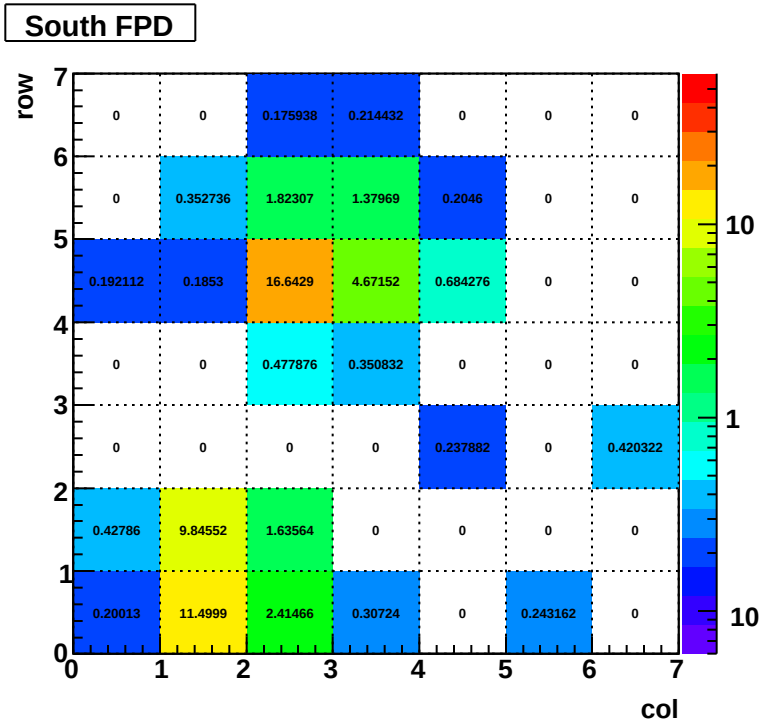
(2) Energy=28.720079 Y=-3.730175 Phi=0.264298

M12=0.509 Y12=-3.710 Phi12=0.082 E12=55.587

SumN(-) = 51 SumN(+)= 79 AN/.6=0.359







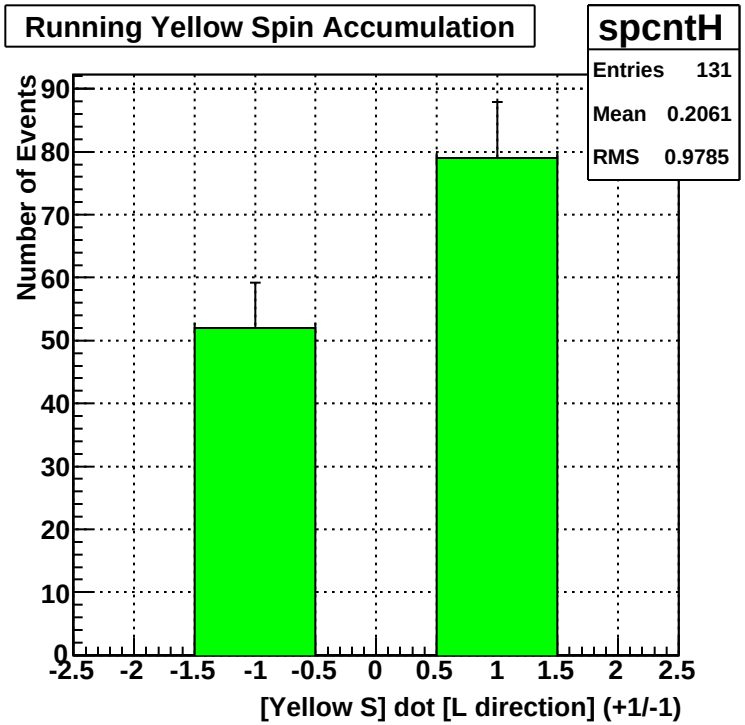
131) Rnum=7119026 EventN=4009537 (2 Yd-N[-])

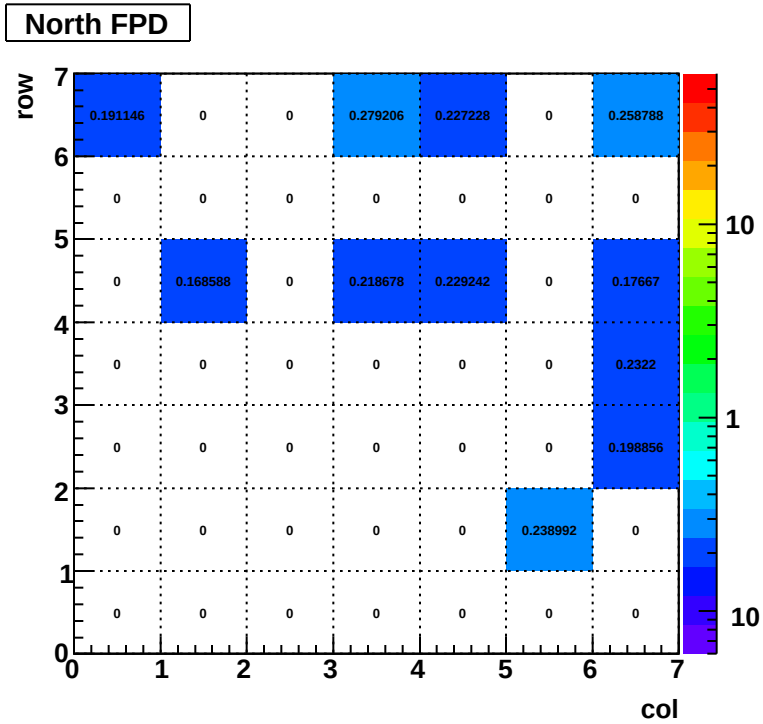
(1) Energy=32.079010 Y=-3.534187 Phi=0.274057

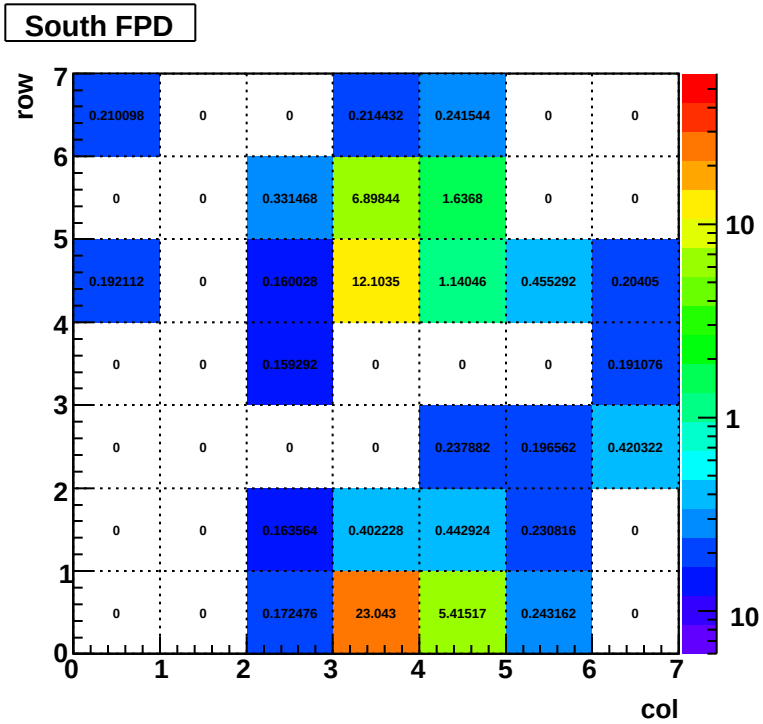
(2) Energy=23.087154 Y=-3.578989 Phi=-0.110733

M12=0.598 Y12=-3.571 Phi12=0.118 E12=55.166

SumN(-) = 52 SumN(+)= 79 AN/.6=0.344







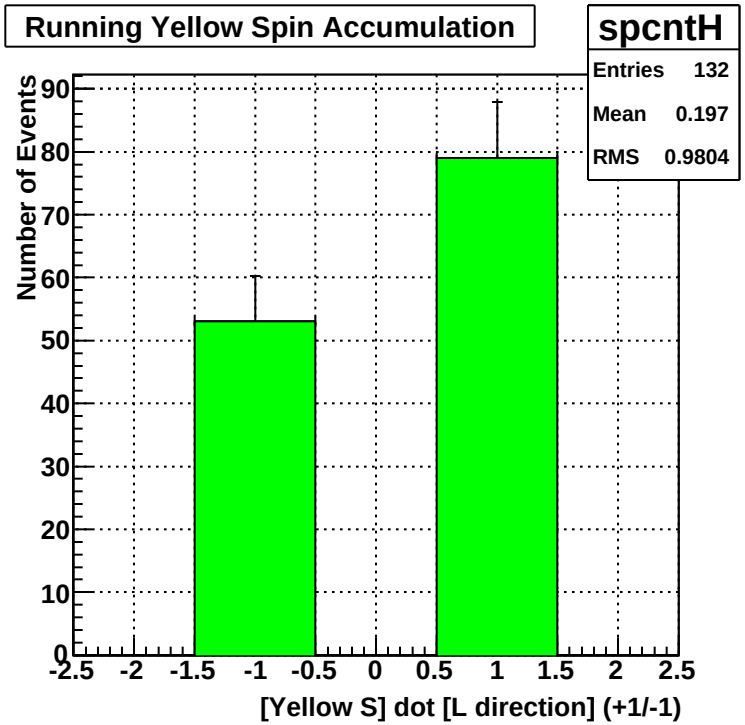
132) Rnum=7119026 EventN=4309085 (2 Yd-N[-])

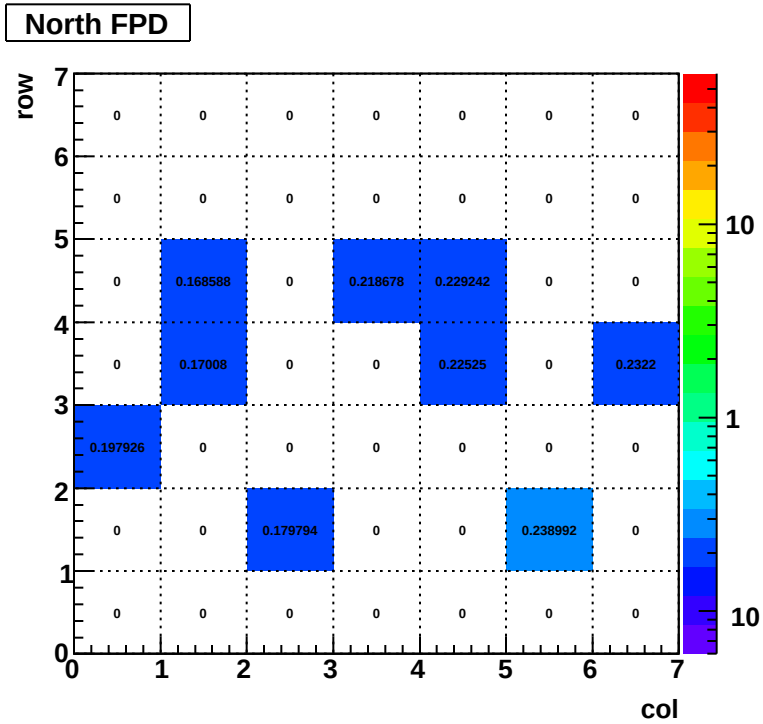
(1) Energy=31.082237 Y=-3.624471 Phi=-0.069869

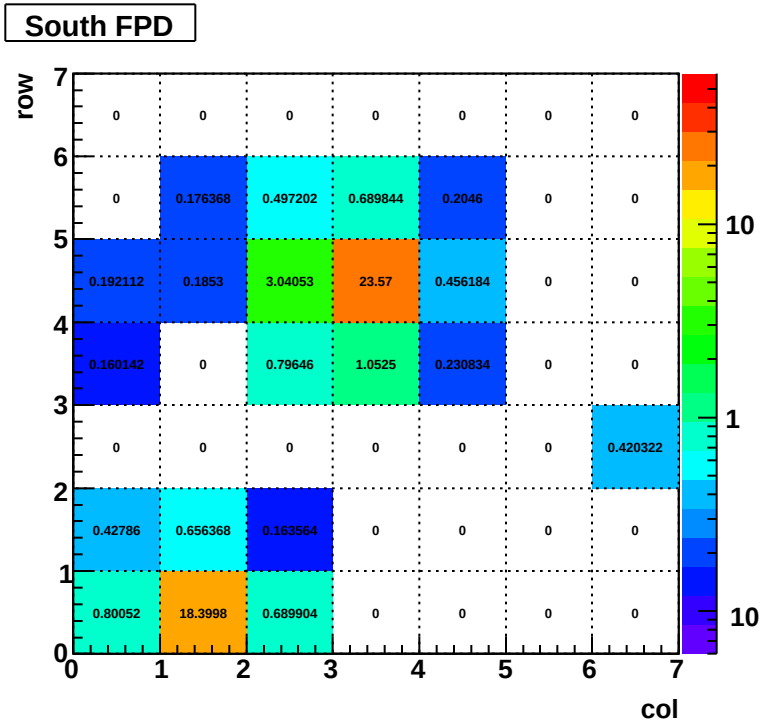
(2) Energy=24.988916 Y=-3.743149 Phi=0.324909

M12=0.574 Y12=-3.695 Phi12=0.094 E12=56.071

SumN(-) = 53 SumN(+)= 79 AN/.6=0.328







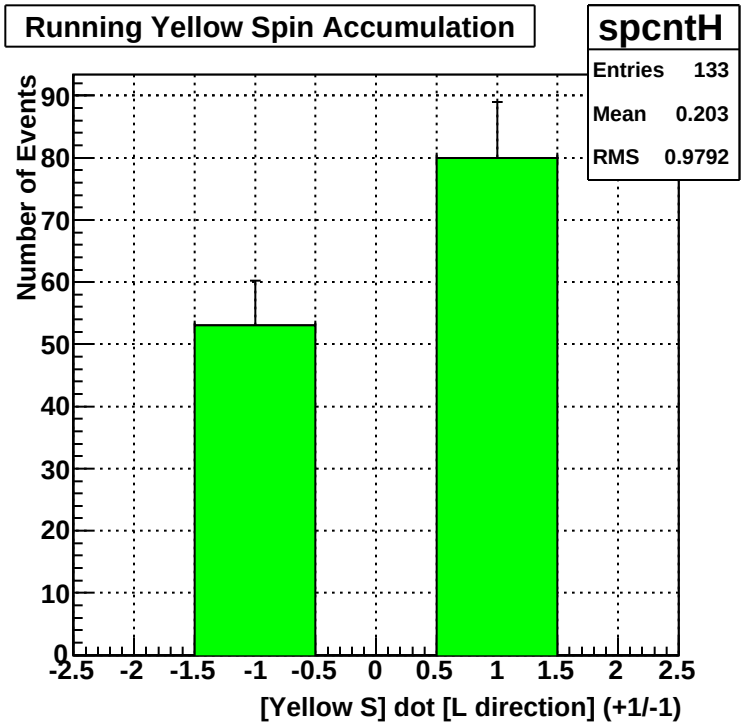
133) Rnum=7119026 EventN=5701761 (2 Yd-S[+])

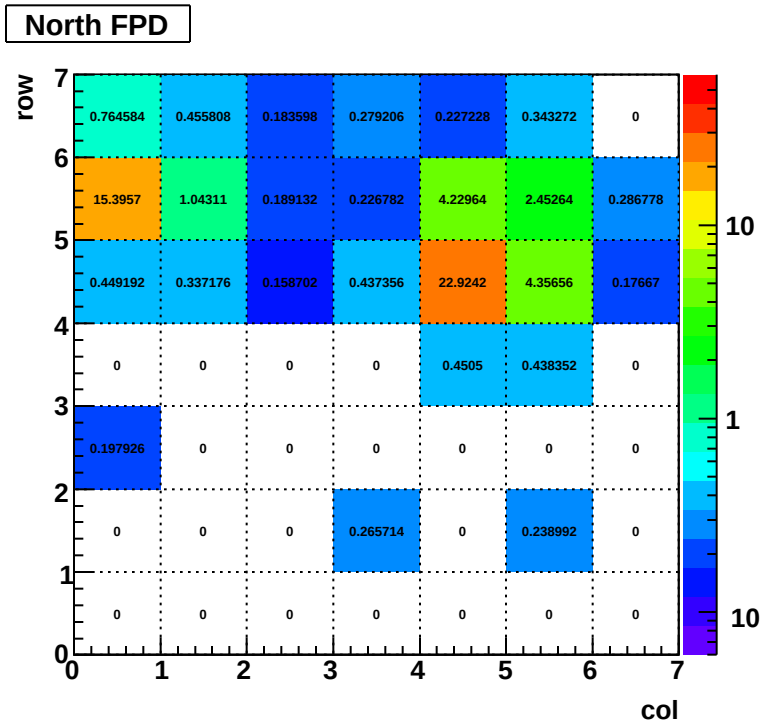
(1) Energy=35.654423 Y=-3.491154 Phi=-3.050121

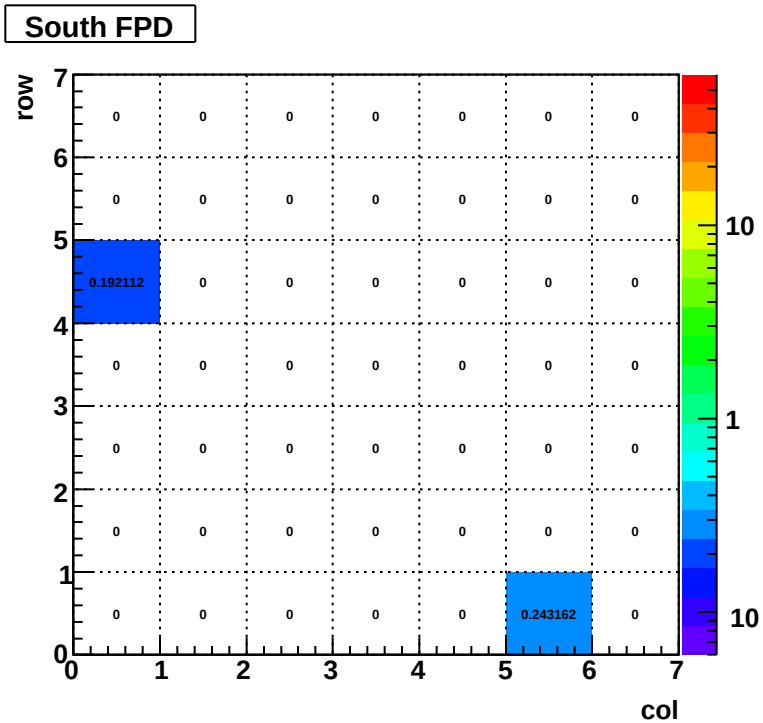
(2) Energy=20.924530 Y=-3.870700 Phi=-2.922663

M12=0.554 Y12=-3.617 Phi12=-3.014 E12=56.579

SumN(-) = 53 SumN(+)= 80 AN/.6=0.338







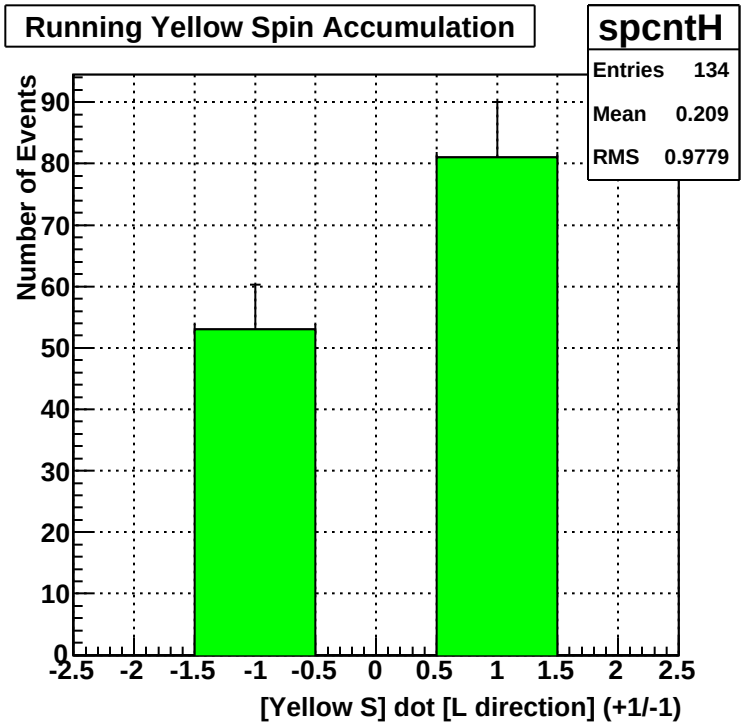
134) Rnum=7119026 EventN=5805301 (2 Yd-S[+])

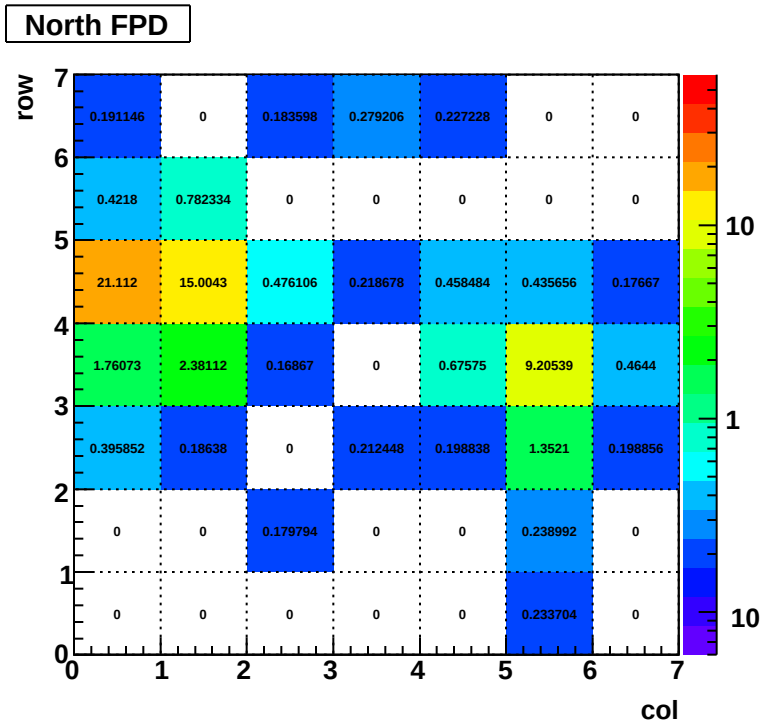
(1) Energy=43.261459 Y=-3.847614 Phi=-3.067946

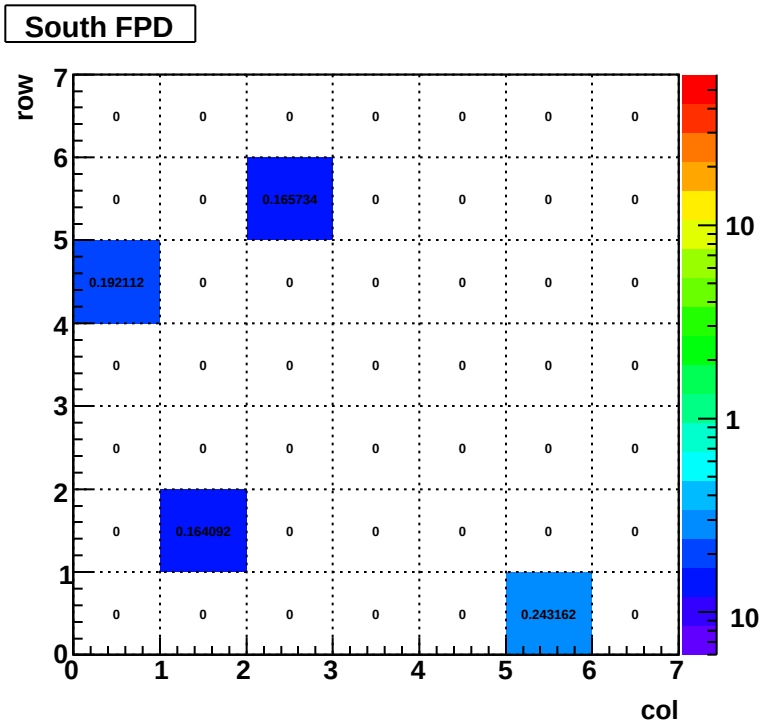
(2) Energy=12.588651 Y=-3.449457 Phi=3.112306

M12=0.502 Y12=-3.744 Phi12=-3.099 E12=55.850

SumN(-) = 53 SumN(+)= 81 AN/.6=0.348







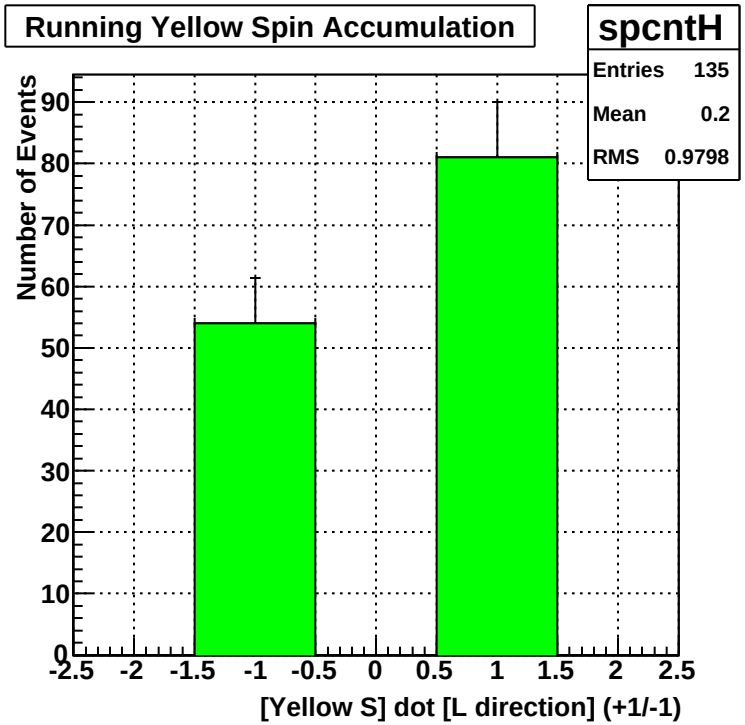
135) Rnum=7119026 EventN=6209318 (2 Yd-N[-])

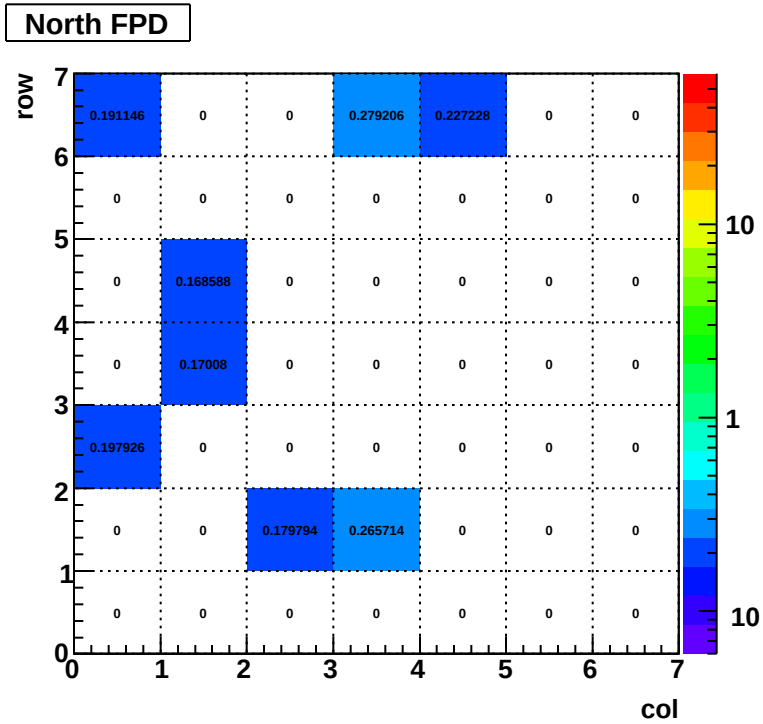
(1) Energy=28.898163 Y=-3.523967 Phi=-0.127441

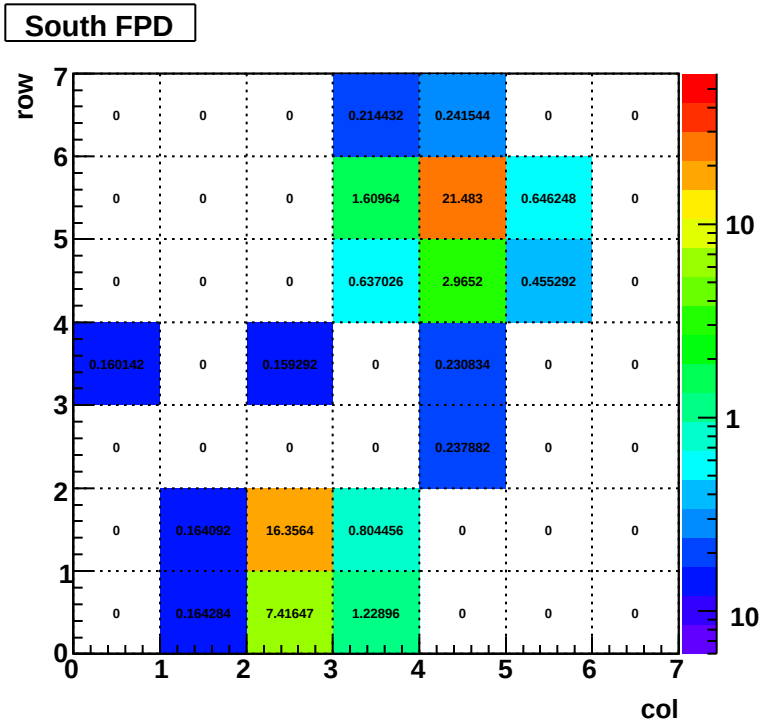
(2) Energy=28.381186 Y=-3.655057 Phi=0.237569

M12=0.610 Y12=-3.603 Phi12=0.041 E12=57.279

SumN(-) = 54 SumN(+)= 81 AN/.6=0.333







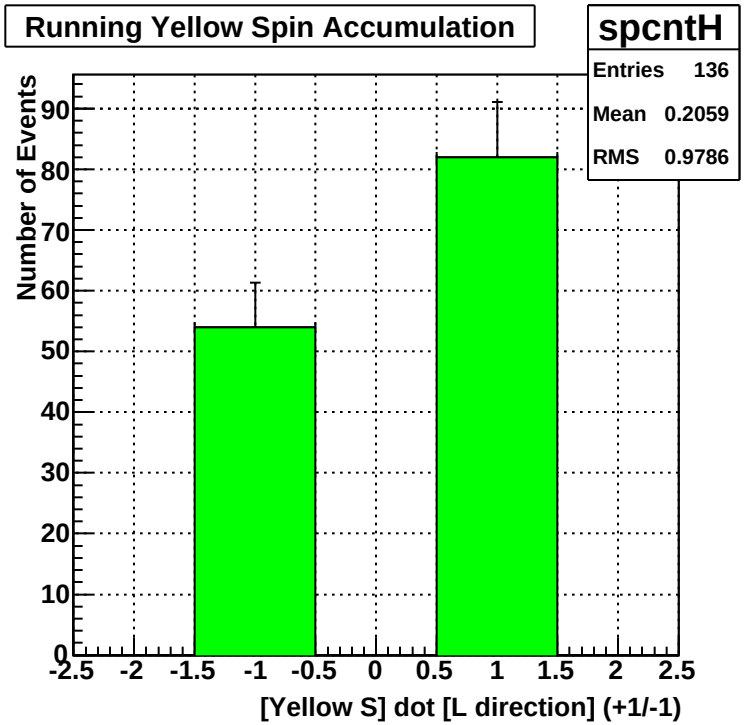
136) Rnum=7119026 EventN=6305317 (3 Yu-N[+])

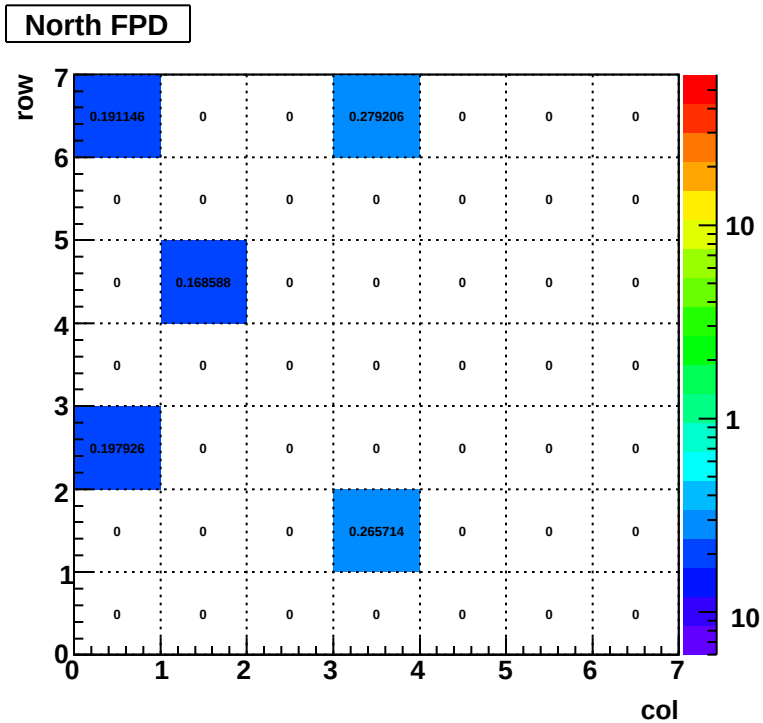
(1) Energy=25.510250 Y=-3.802038 Phi=0.025349

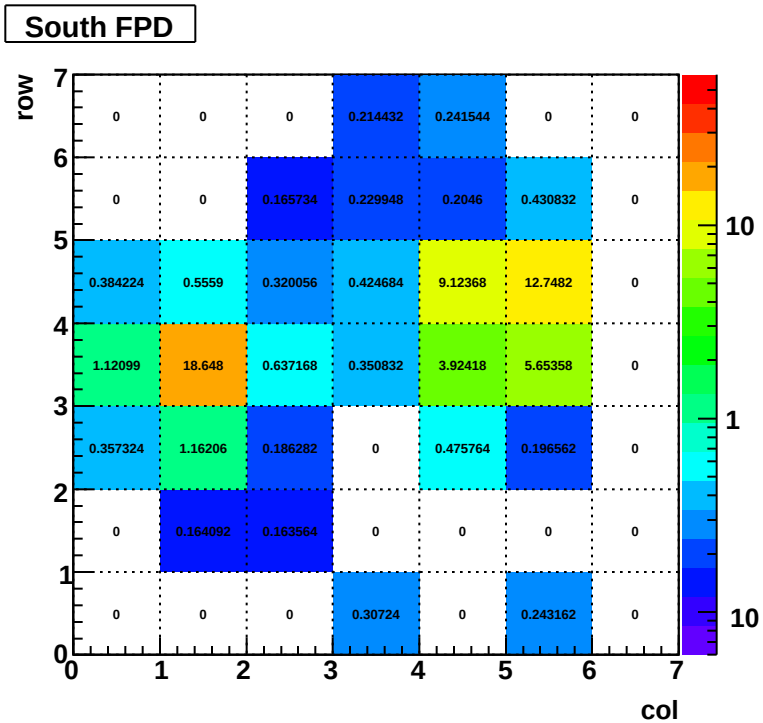
(2) Energy=32.707500 Y=-3.480328 Phi=-0.033253

M12=0.497 Y12=-3.609 Phi12=-0.012 E12=58.218

SumN(-) = 54 SumN(+)= 82 AN/.6=0.343







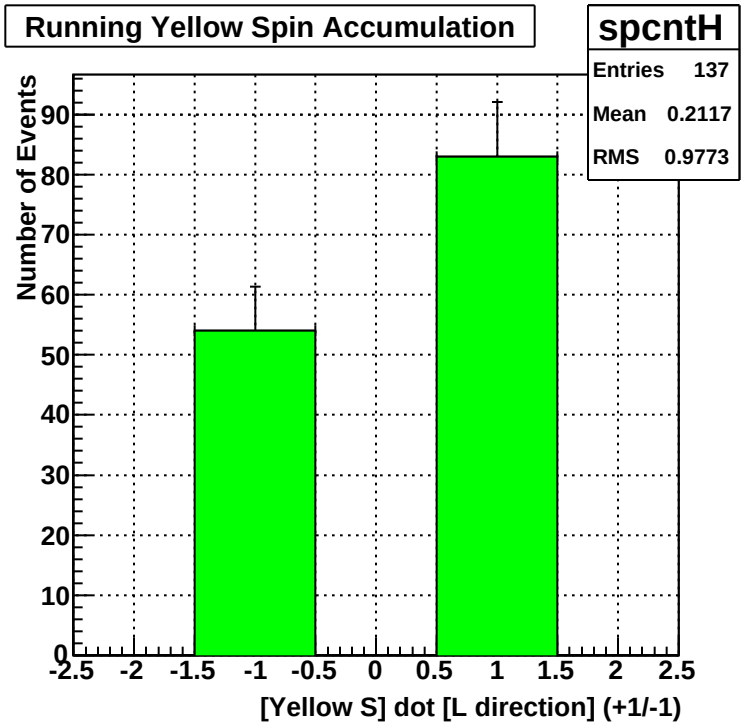
137) Rnum=7119026 EventN=6307863 (3 Yu-N[+])

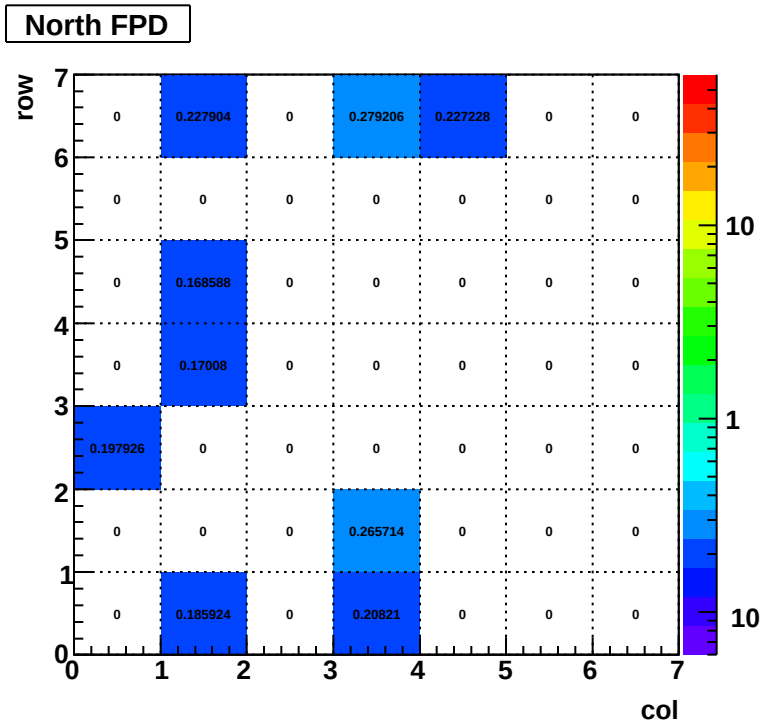
(1) Energy=27.966181 Y=-3.744731 Phi=-0.290382

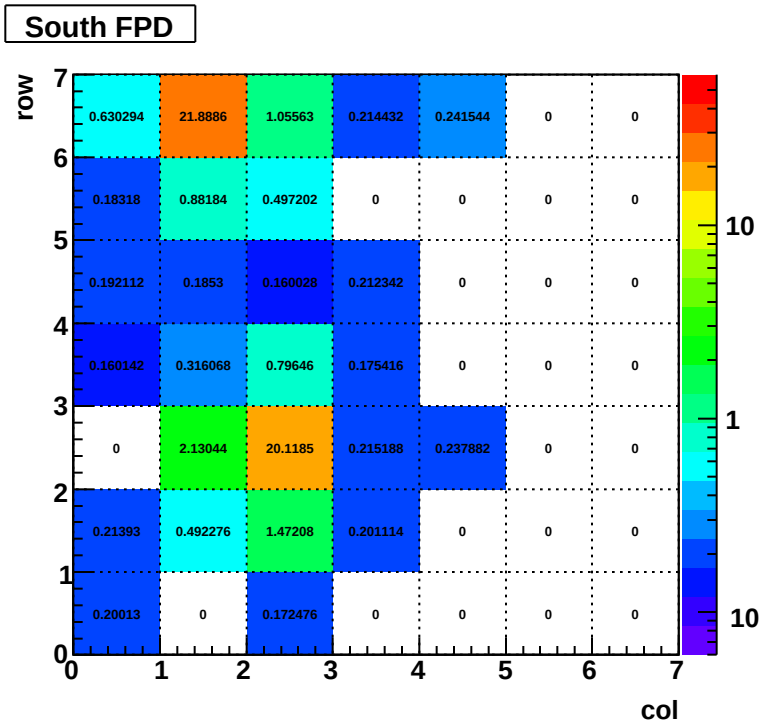
(2) Energy=27.496204 Y=-3.708832 Phi=0.120615

M12=0.547 Y12=-3.748 Phi12=-0.083 E12=55.462

SumN(-) = 54 SumN(+)= 83 AN/.6=0.353







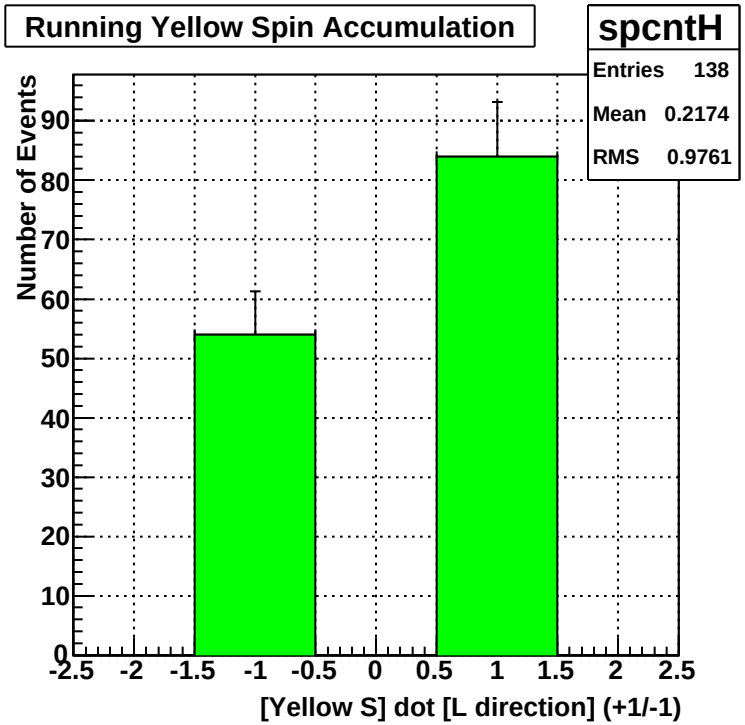
138) Rnum=7119027 EventN=502897 (1 Yu-N[+])

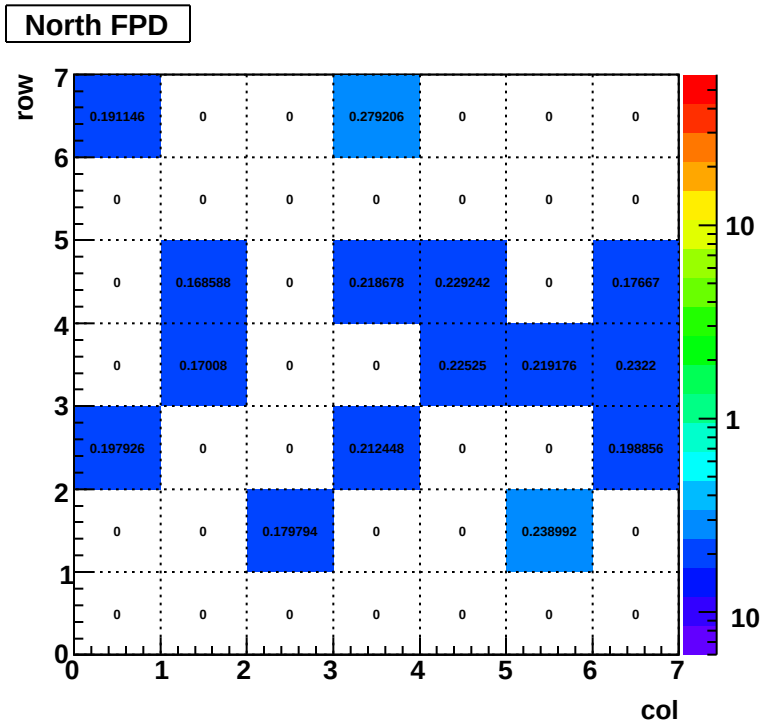
(1) Energy=39.549473 Y=-3.842283 Phi=0.175792

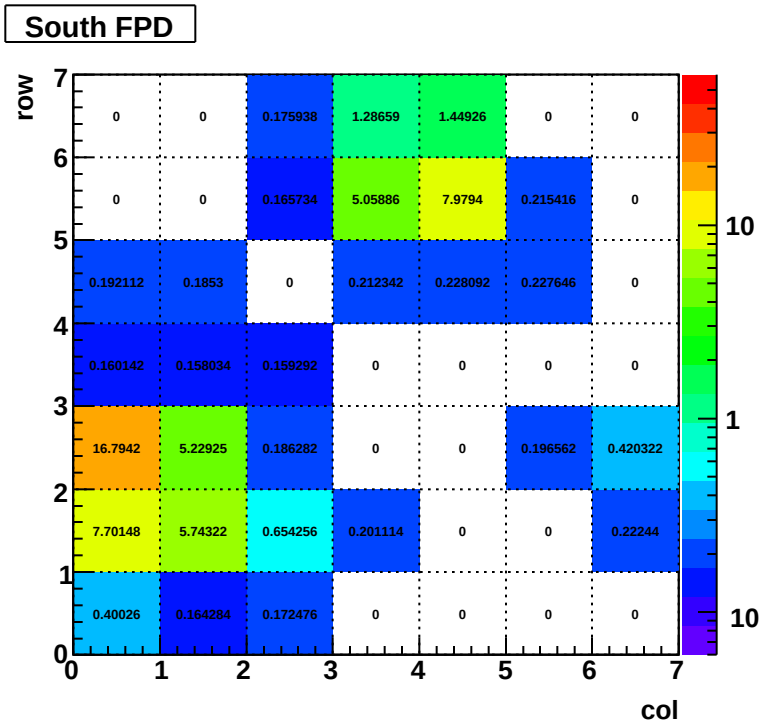
(2) Energy=16.841375 Y=-3.544091 Phi=-0.176415

M12=0.592 Y12=-3.758 Phi12=0.048 E12=56.391

SumN(-) = 54 SumN(+)= 84 AN/.6=0.362







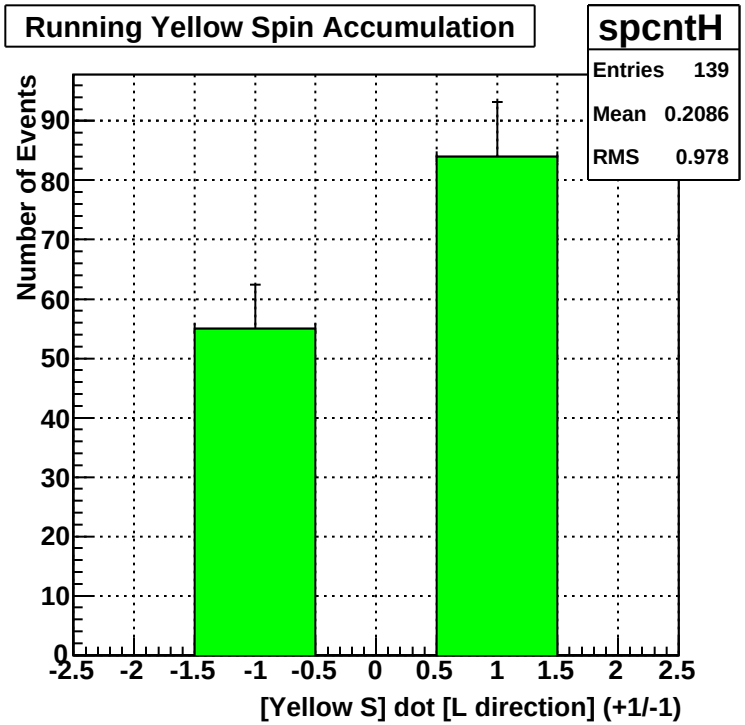
139) Rnum=7119027 EventN=506632 (2 Yd-N[-])

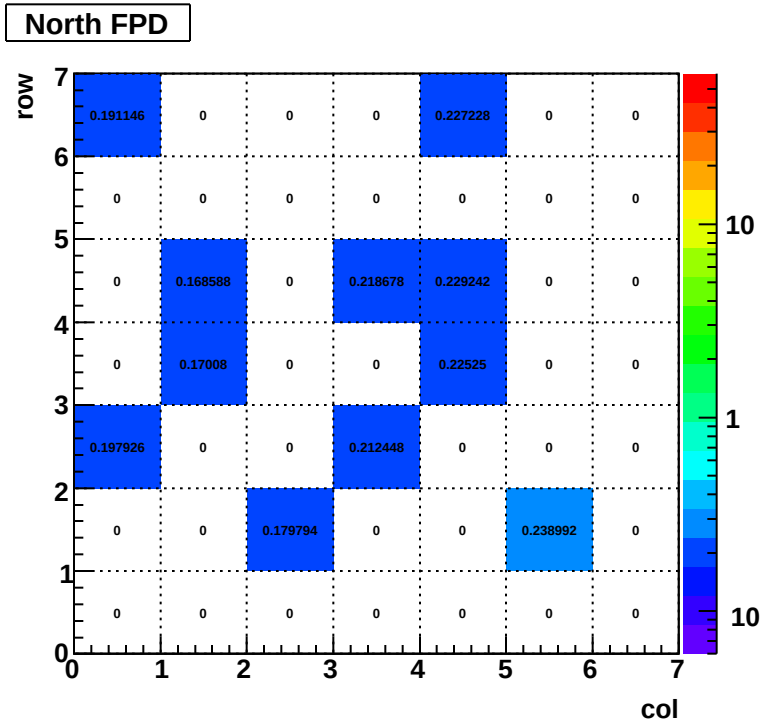
(1) Energy=33.740669 Y=-3.557730 Phi=-0.204465

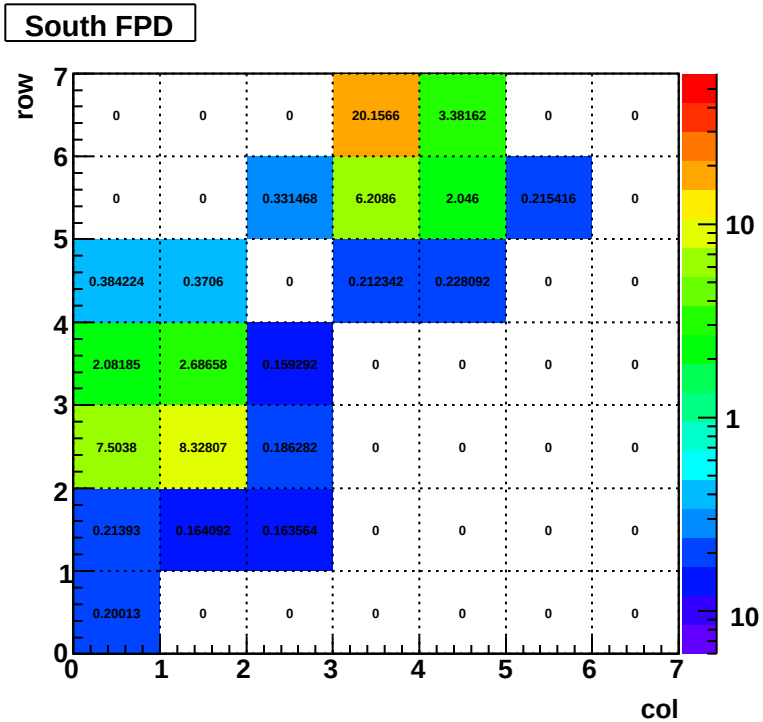
(2) Energy=23.533777 Y=-3.843644 Phi=0.085842

M12=0.567 Y12=-3.675 Phi12=-0.105 E12=57.274

SumN(-) = 55 SumN(+)= 84 AN/.6=0.348







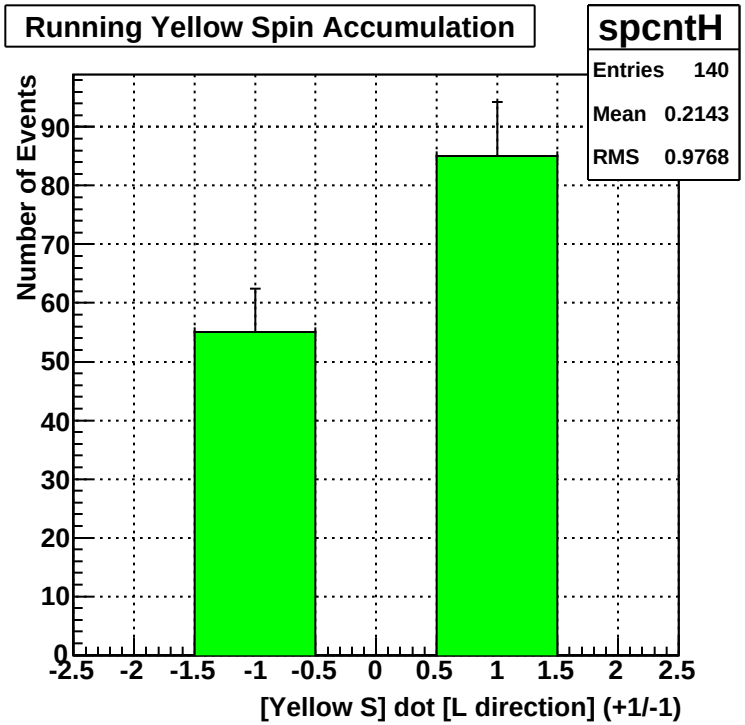
140) Rnum=7119027 EventN=1003375 (3 Yu-N[+])

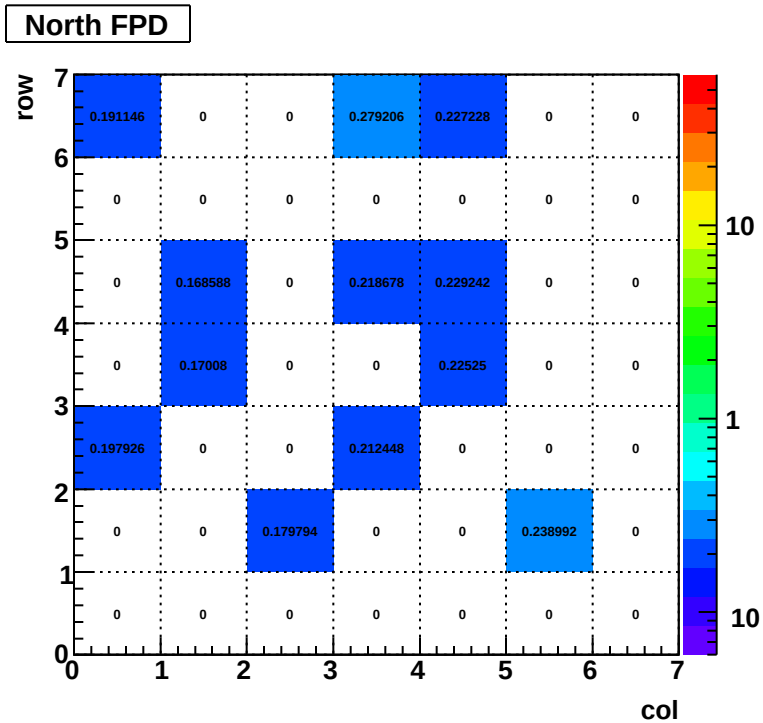
(1) Energy=35.982235 Y=-3.663988 Phi=-0.170518

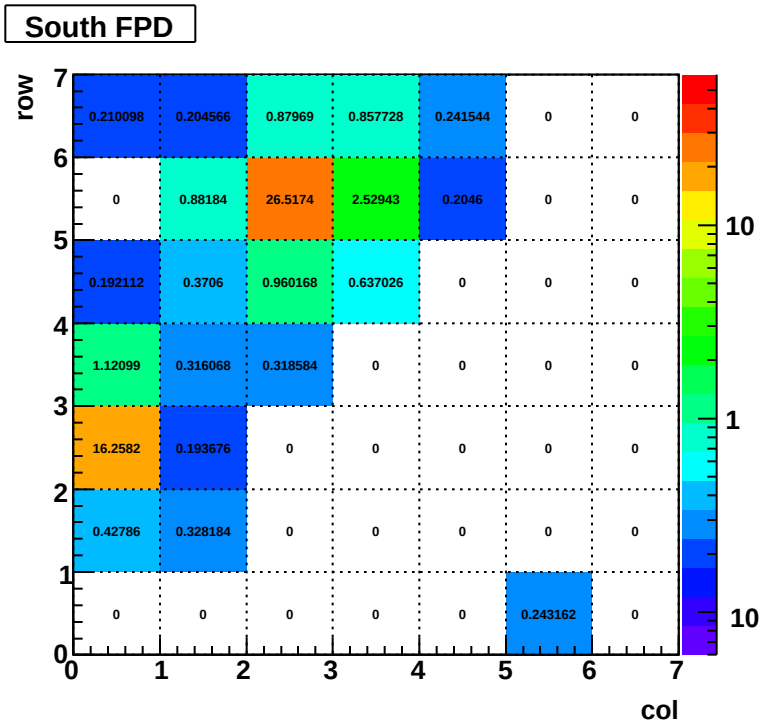
(2) Energy=22.657656 Y=-3.919762 Phi=0.122760

M12=0.500 Y12=-3.765 Phi12=-0.075 E12=58.640

SumN(-) = 55 SumN(+)= 85 AN/.6=0.357







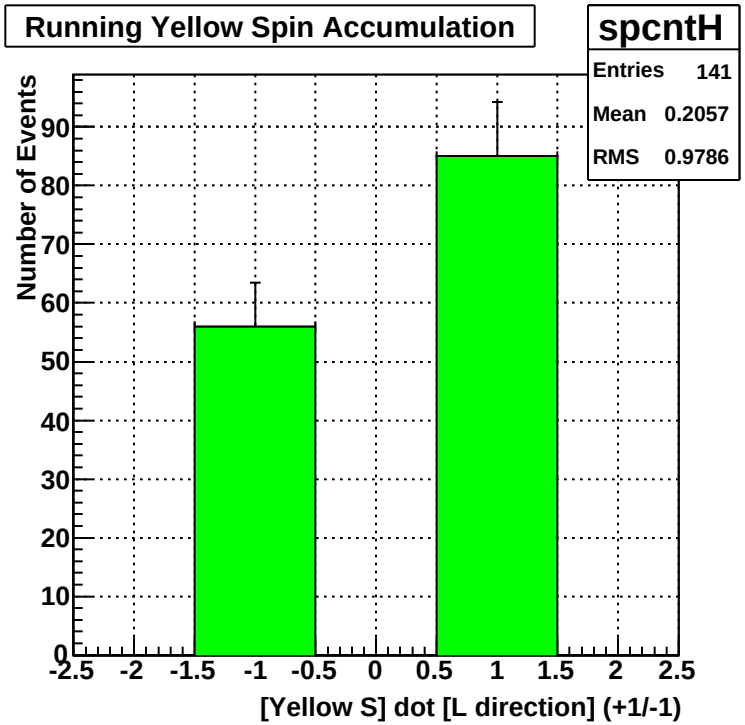
141) Rnum=7119028 EventN=3605629 (2 Yd-N[-])

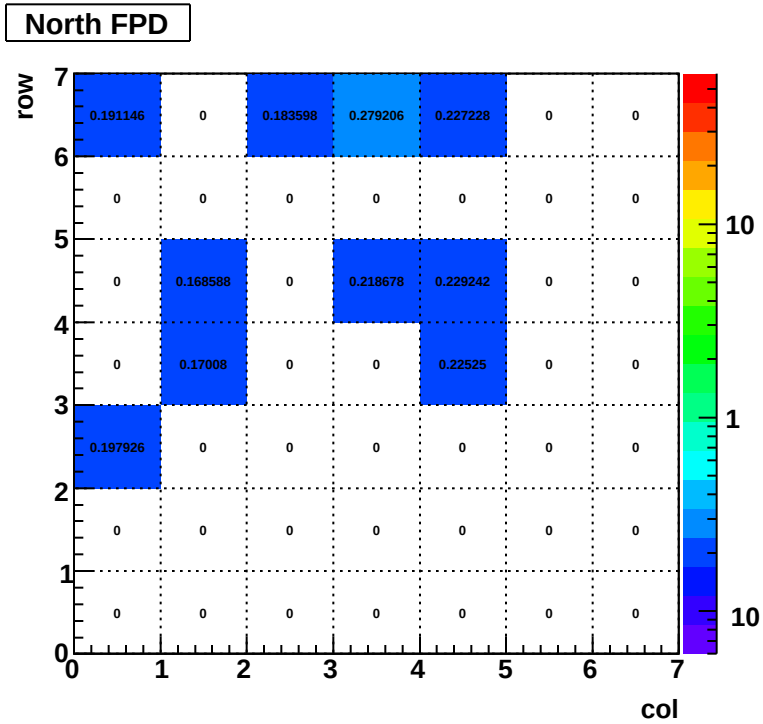
(1) Energy=30.929039 Y=-3.654247 Phi=0.226111

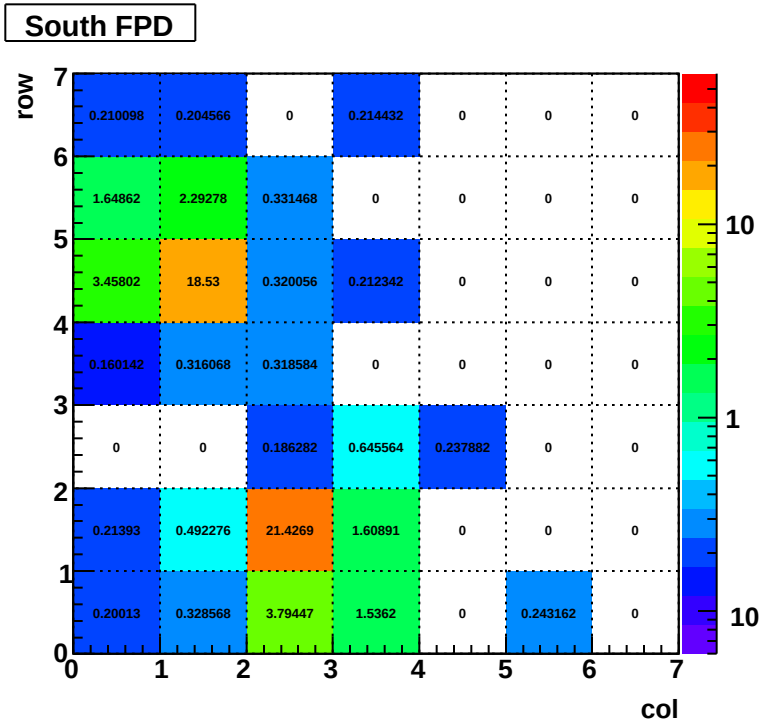
(2) Energy=28.385366 Y=-3.820660 Phi=-0.119982

M12=0.540 Y12=-3.745 Phi12=0.075 E12=59.314

SumN(-) = 56 SumN(+)= 85 AN/.6=0.343







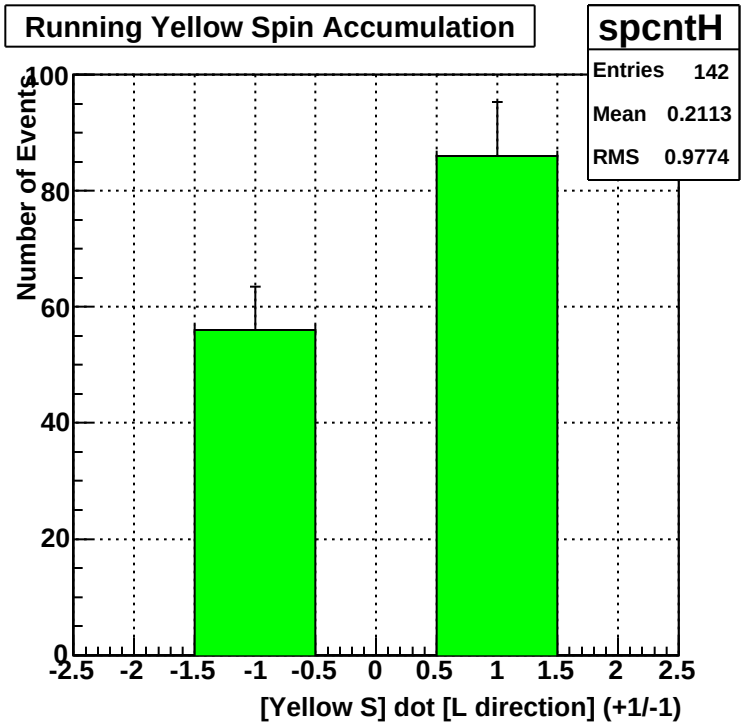
142) Rnum=7119028 EventN=4005960 (3 Yu-N[+])

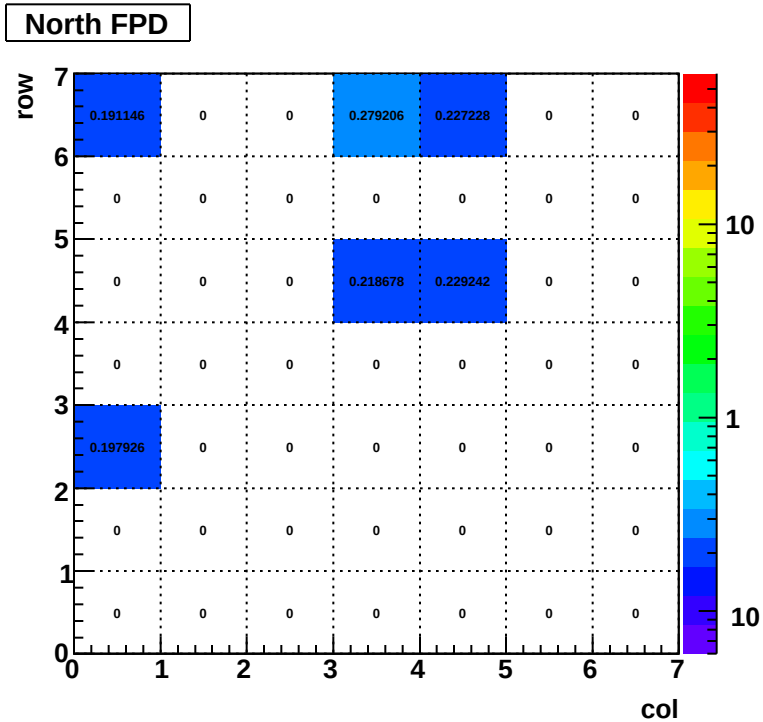
(1) Energy=48.630554 Y=-3.628804 Phi=0.194447

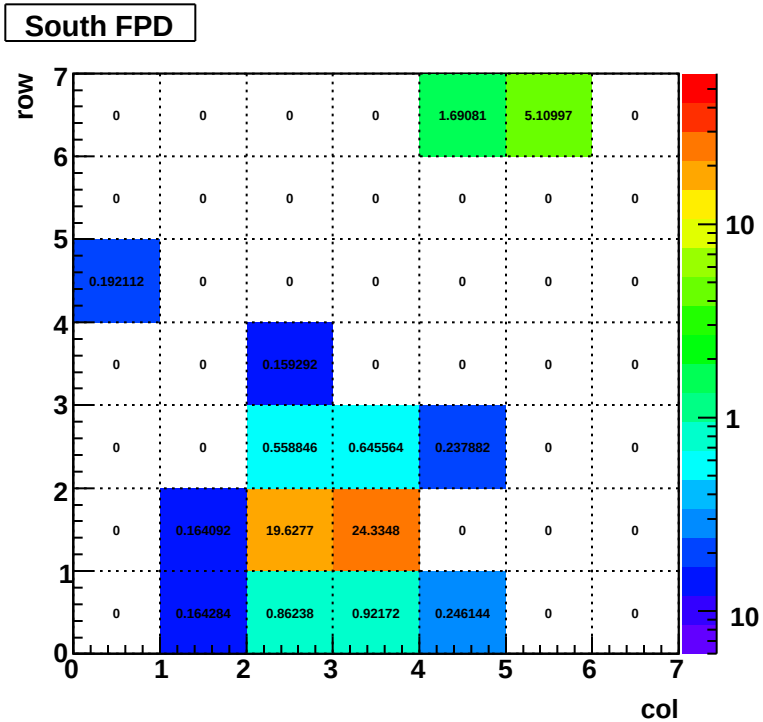
(2) Energy=7.348217 Y=-3.451980 Phi=-0.213349

M12=0.484 Y12=-3.614 Phi12=0.133 E12=55.979

SumN(-) = 56 SumN(+)= 86 AN/.6=0.352







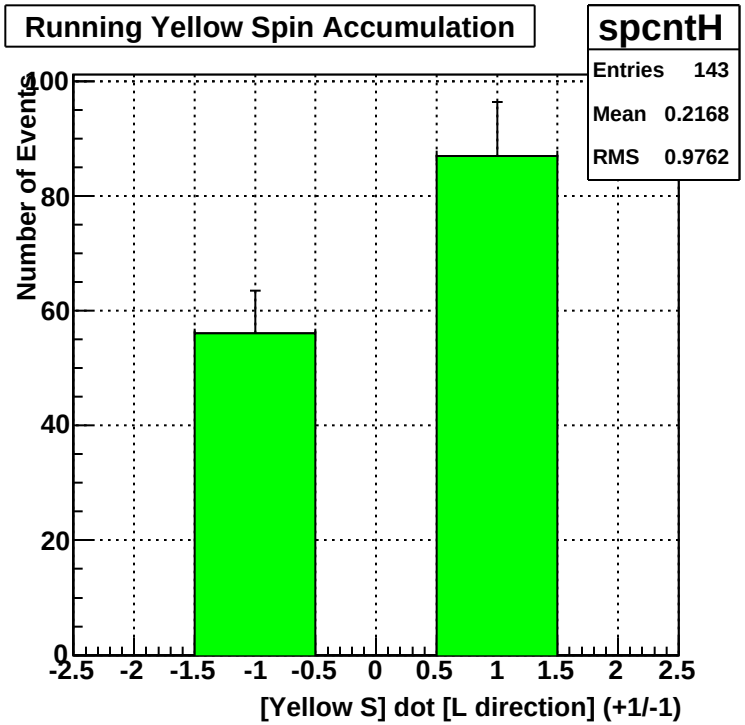
143) Rnum=7119032 EventN=408727 (0 Yd-S[+])

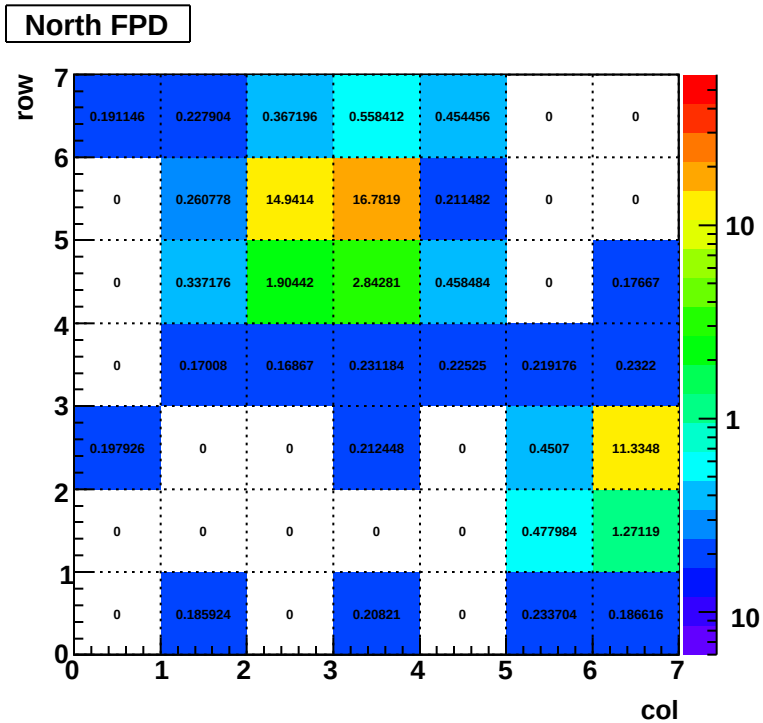
(1) Energy=39.341709 Y=-3.637765 Phi=-2.997002

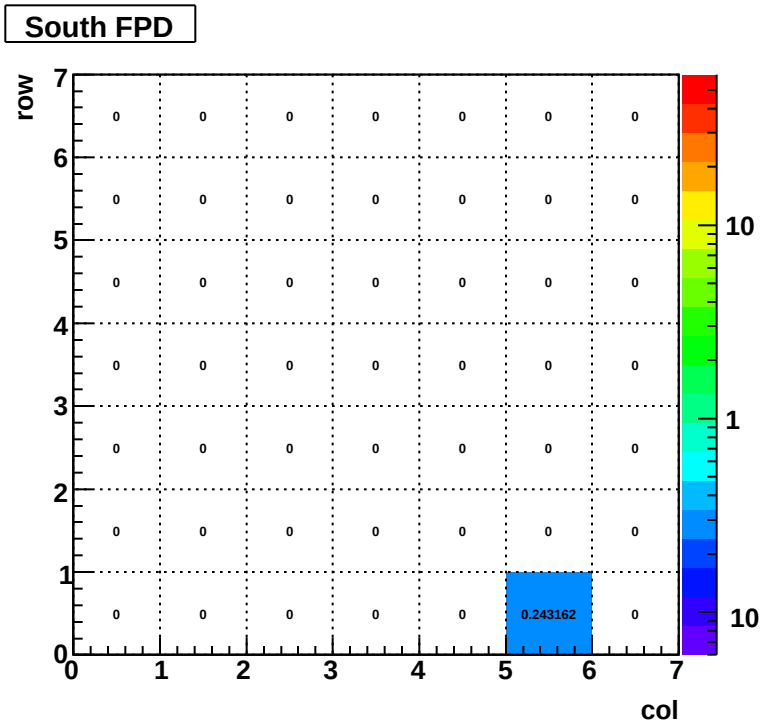
(2) Energy=17.464611 Y=-3.365250 Phi=3.054941

M12=0.565 Y12=-3.552 Phi12=-3.082 E12=56.806

SumN(-) = 56 SumN(+)= 87 AN/.6=0.361







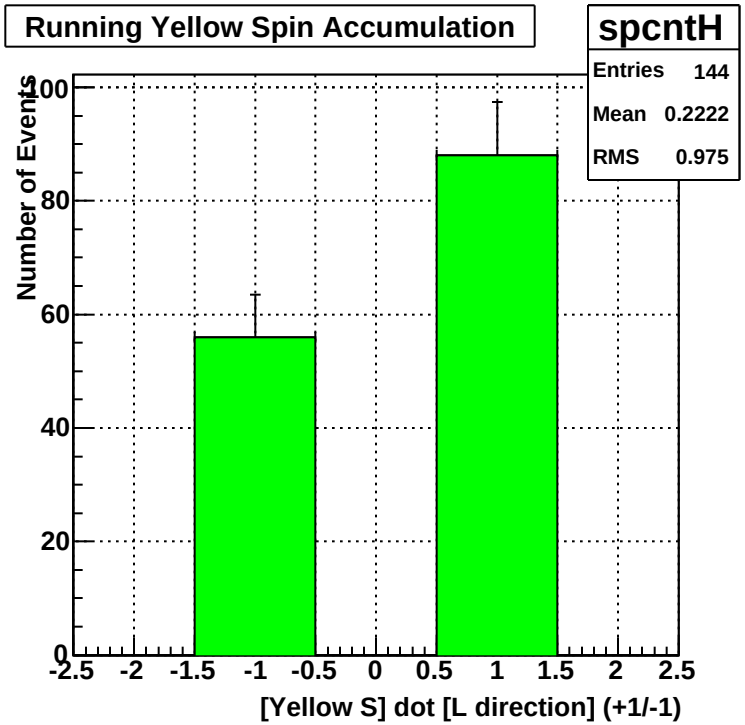
144) Rnum=7119034 EventN=201416 (0 Yd-S[+])

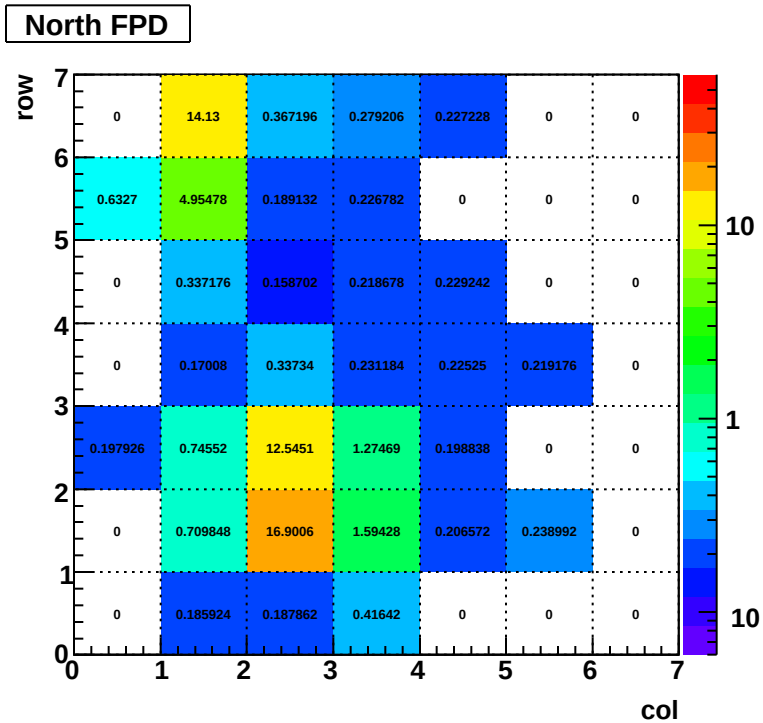
(1) Energy=35.984795 Y=-3.675013 Phi=2.985921

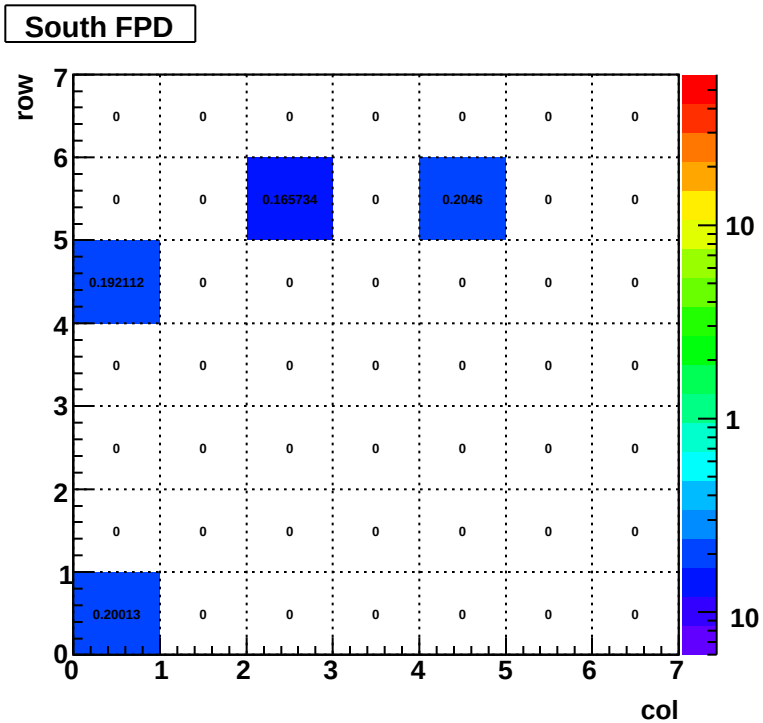
(2) Energy=22.228231 Y=-3.776672 Phi=-2.886110

M12=0.573 Y12=-3.732 Phi12=3.132 E12=58.213

SumN(-) = 56 SumN(+)= 88 AN/.6=0.370







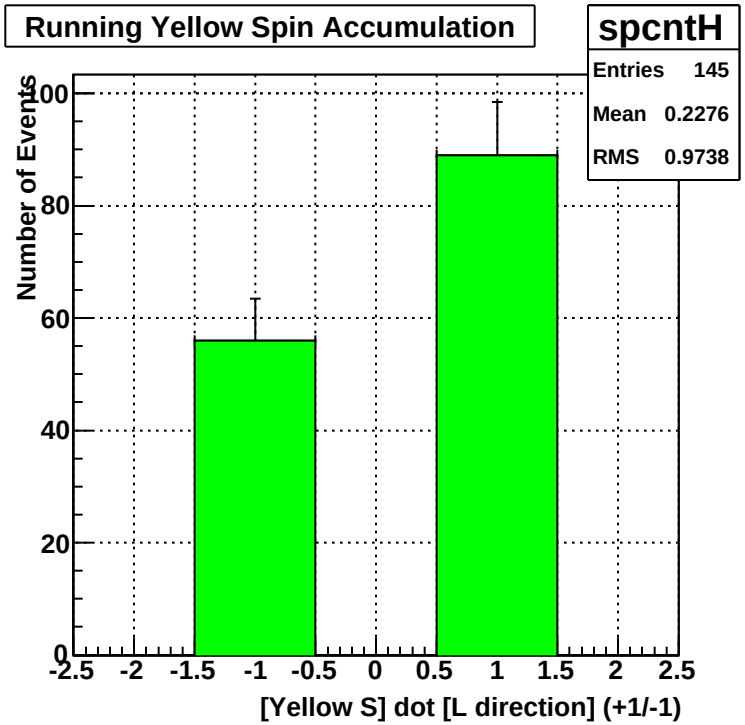
145) Rnum=7119034 EventN=706806 (2 Yd-S[+])

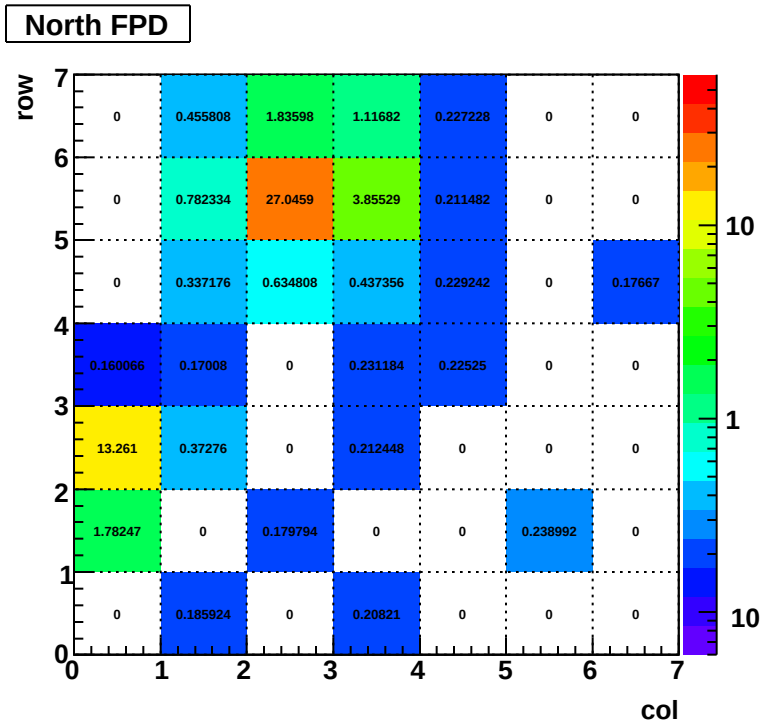
(1) Energy=37.339890 Y=-3.655047 Phi=-2.960321

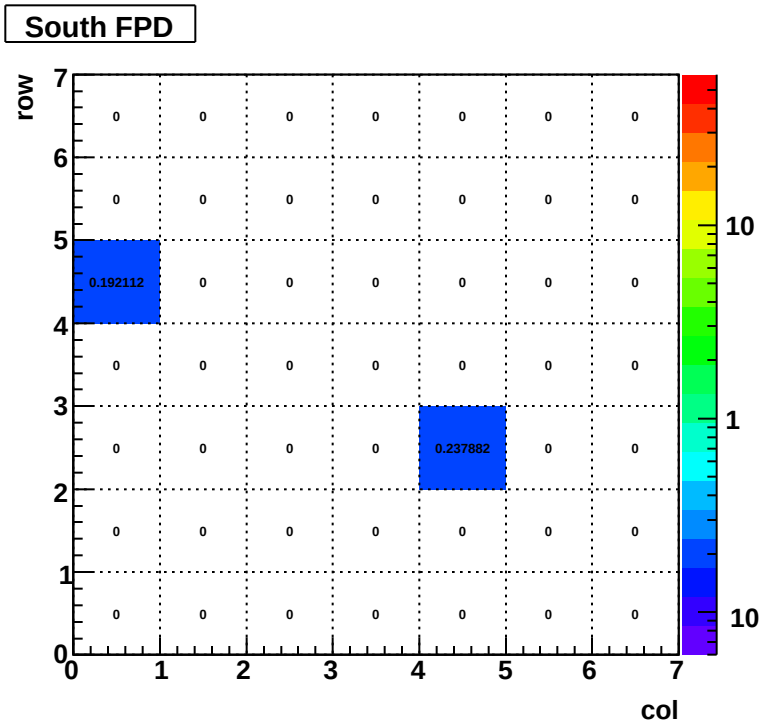
(2) Energy=18.041725 Y=-3.905217 Phi=2.976460

M12=0.505 Y12=-3.742 Phi12=-3.054 E12=55.382

SumN(-) = 56 SumN(+)= 89 AN/.6=0.379







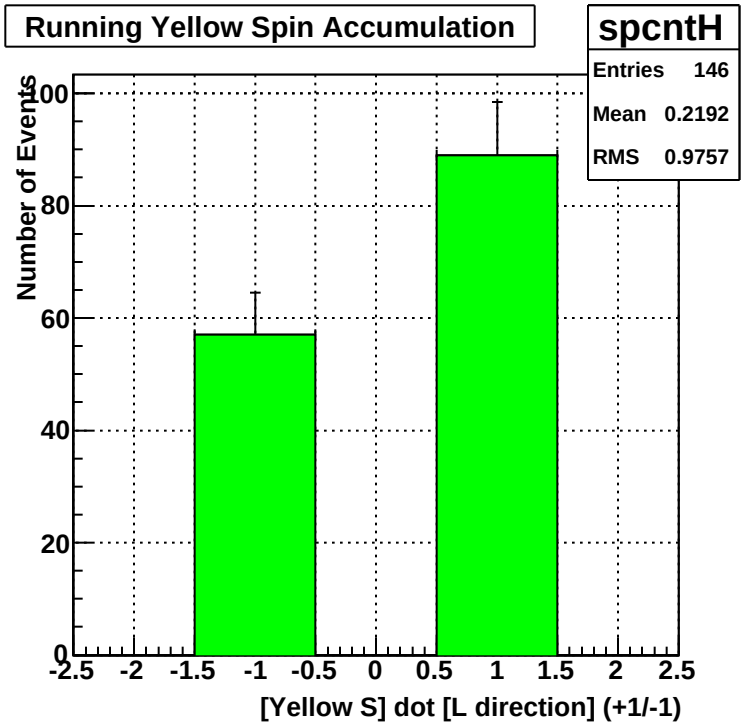
146) Rnum=7119034 EventN=2204141 (1 Yu-S[-])

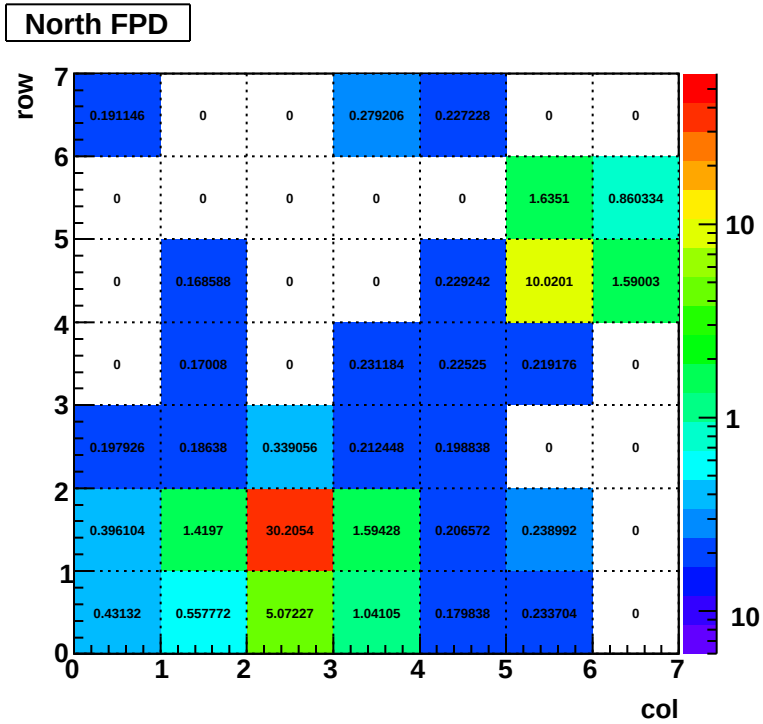
(1) Energy=43.030548 Y=-3.669110 Phi=2.913744

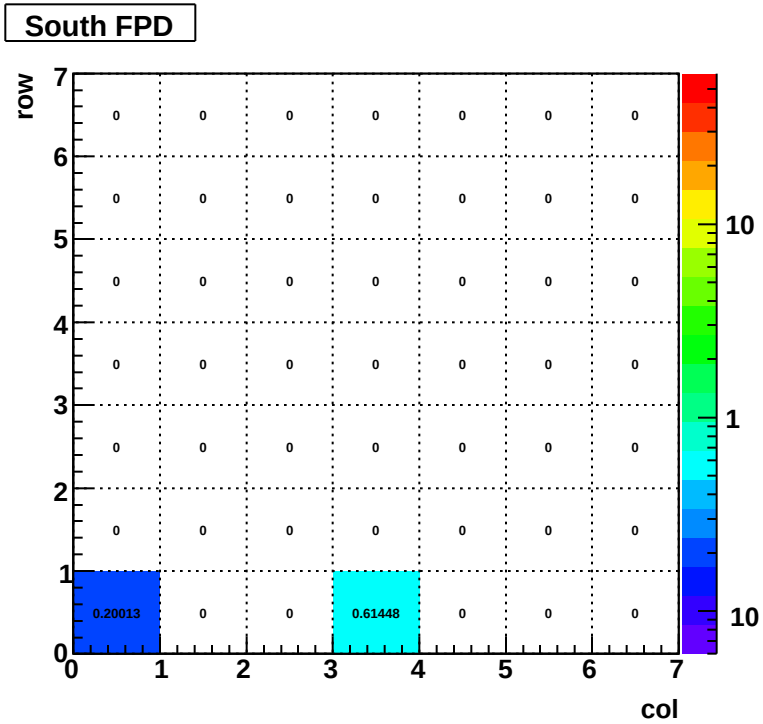
(2) Energy=15.253515 Y=-3.420798 Phi=-3.060409

M12=0.585 Y12=-3.608 Phi12=3.010 E12=58.284

SumN(-) = 57 SumN(+)= 89 AN/.6=0.365







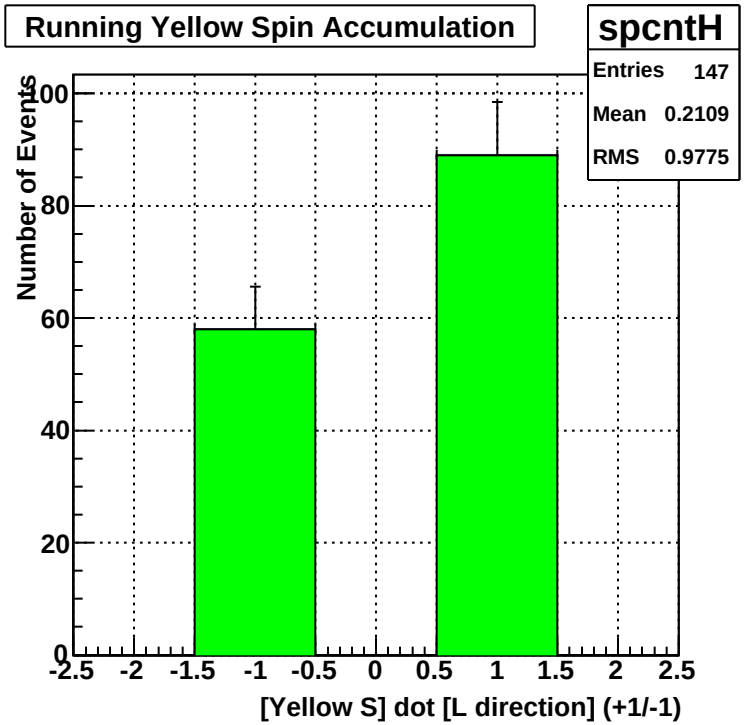
147) Rnum=7119034 EventN=2300073 (0 Yd-N[-])

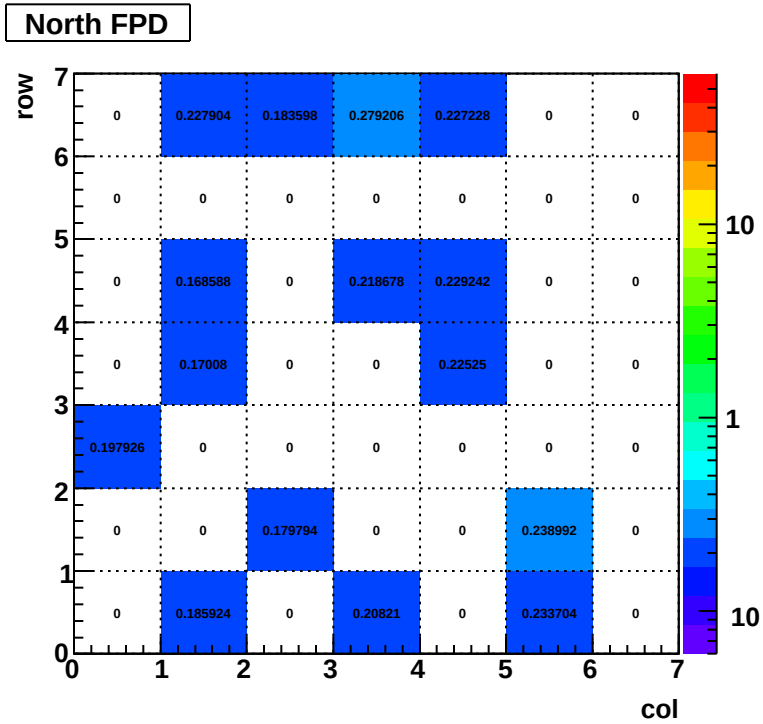
(1) Energy=40.991058 Y=-3.600659 Phi=-0.147577

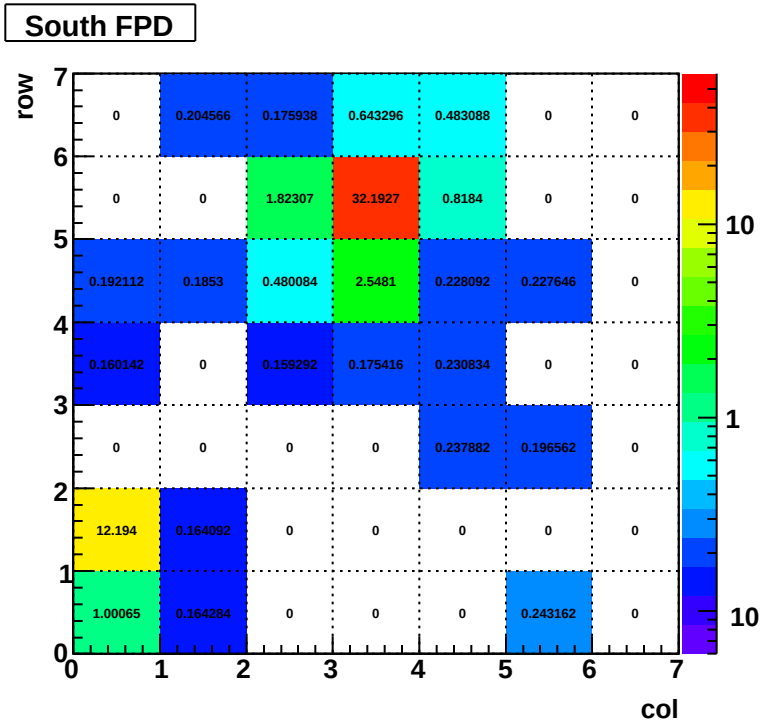
(2) Energy=15.745703 Y=-3.883905 Phi=0.263950

M12=0.599 Y12=-3.686 Phi12=-0.056 E12=56.737

SumN(-) = 58 SumN(+)= 89 AN/.6=0.351







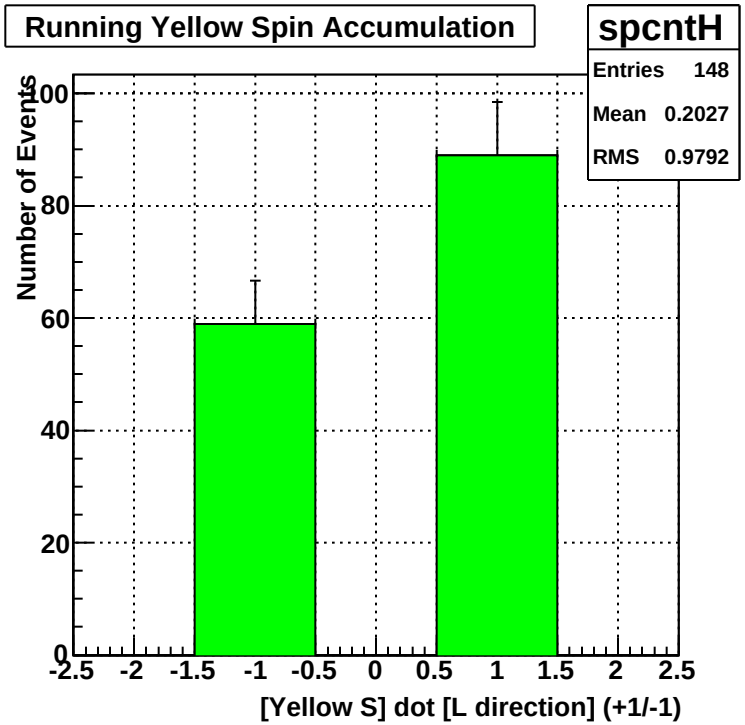
148) Rnum=7119034 EventN=2600785 (3 Yu-S[-])

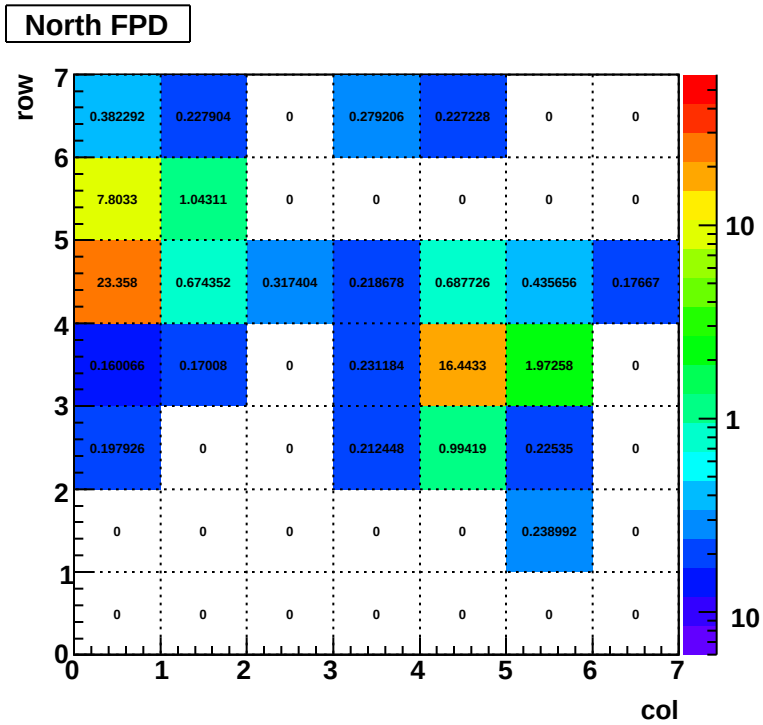
(1) Energy=36.620117 Y=-3.906388 Phi=-2.993361

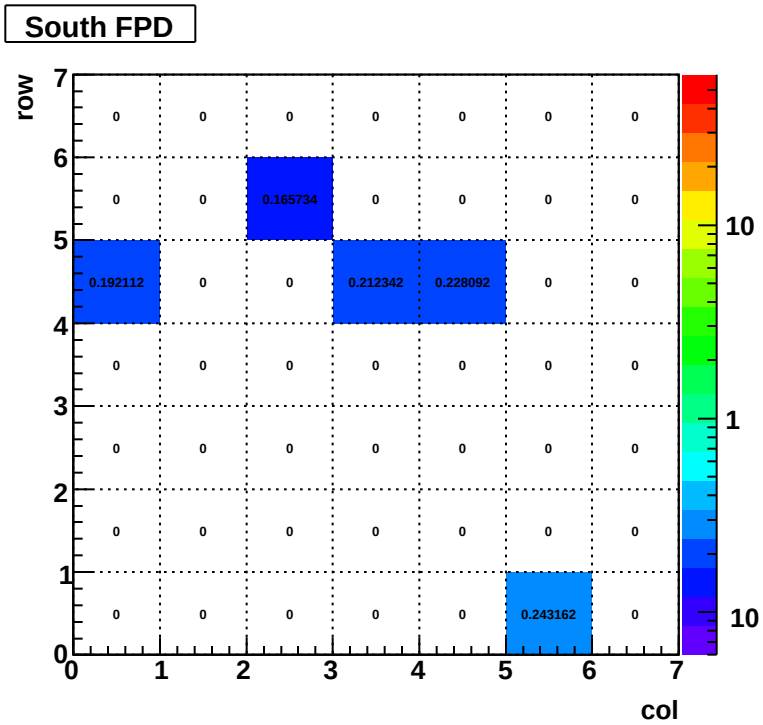
(2) Energy=21.444902 Y=-3.503303 Phi=3.124963

M12=0.604 Y12=-3.741 Phi12=-3.070 E12=58.065

SumN(-) = 59 SumN(+)= 89 AN/.6=0.338







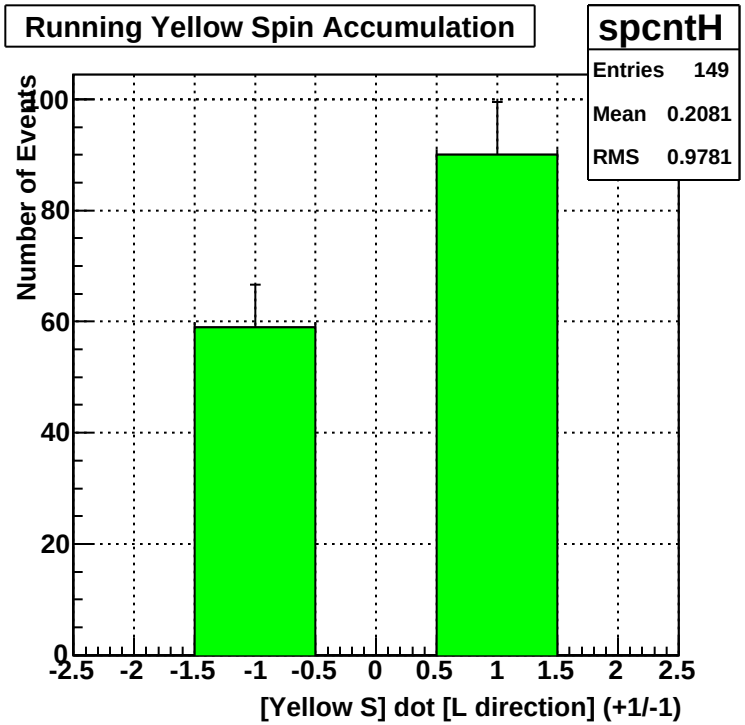
149) Rnum=7119038 EventN=4304183 (2 Yd-S[+])

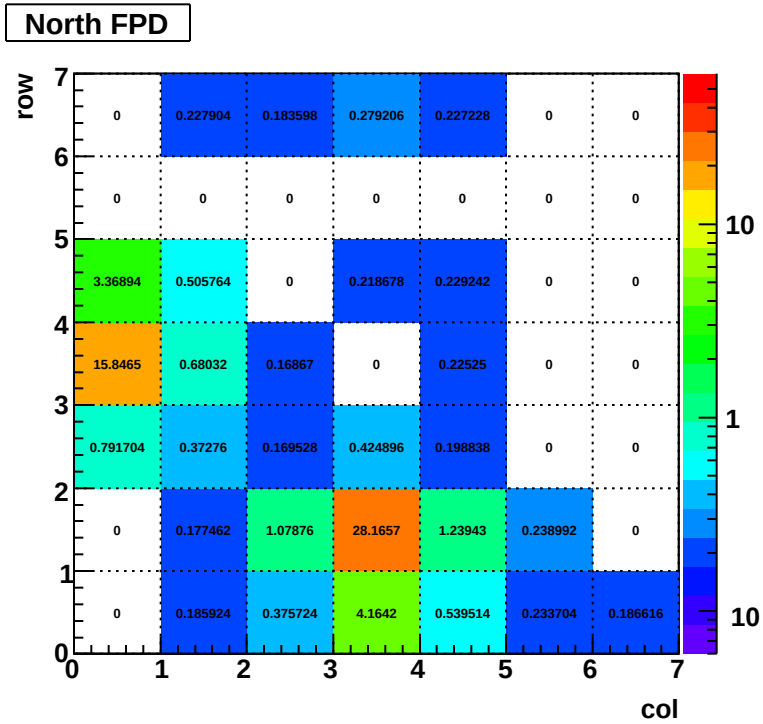
(1) Energy=33.945923 Y=-3.580664 Phi=2.934294

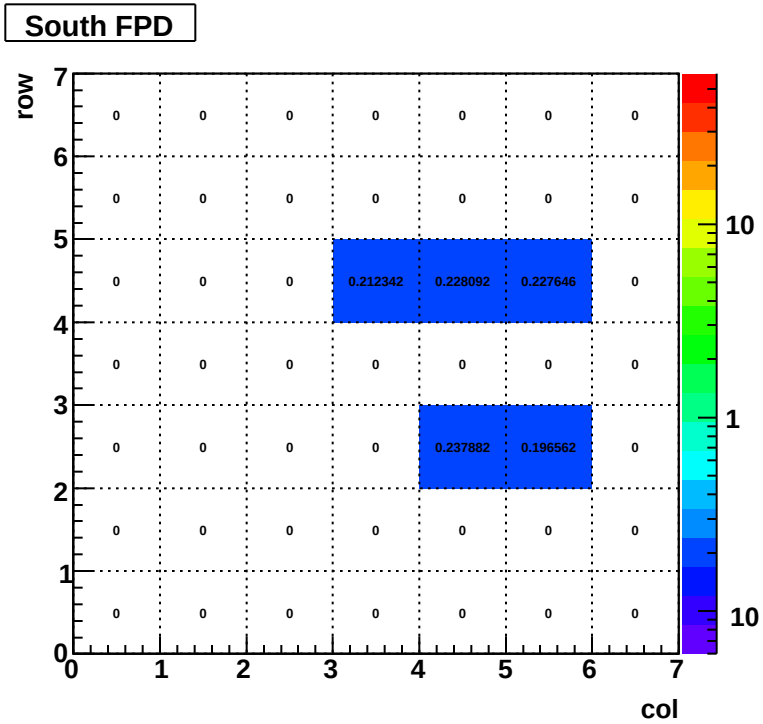
(2) Energy=23.523899 Y=-3.907656 Phi=-3.122465

M12=0.533 Y12=-3.708 Phi12=3.010 E12=57.470

SumN(-) = 59 SumN(+)= 90 AN/.6=0.347







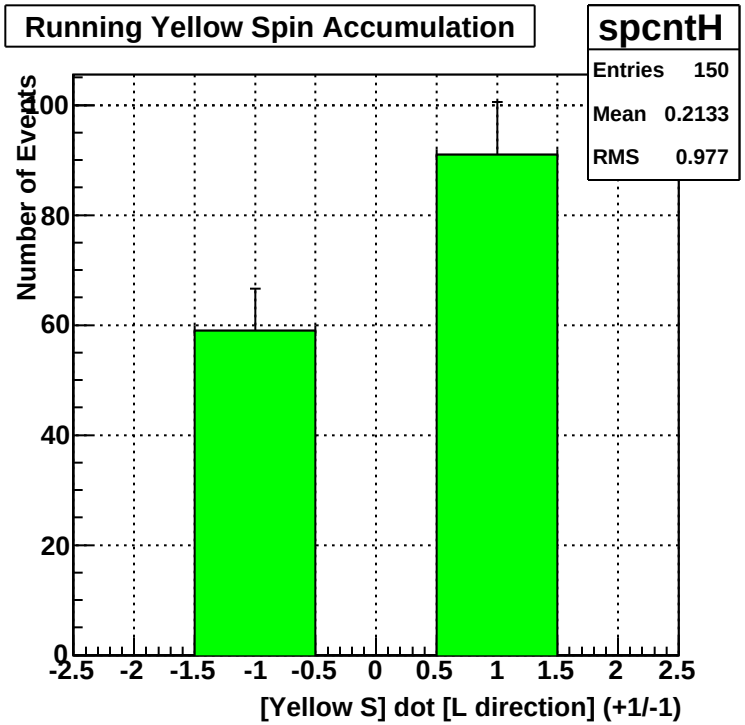
150) Rnum=7119065 EventN=1601673 (2 Yd-S[+])

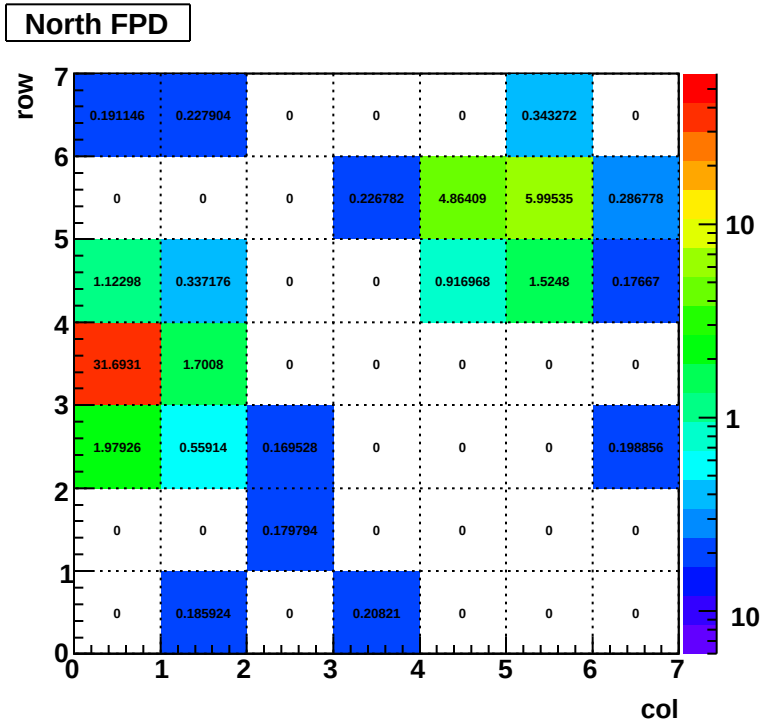
(1) Energy=42.447514 Y=-3.900562 Phi=3.114580

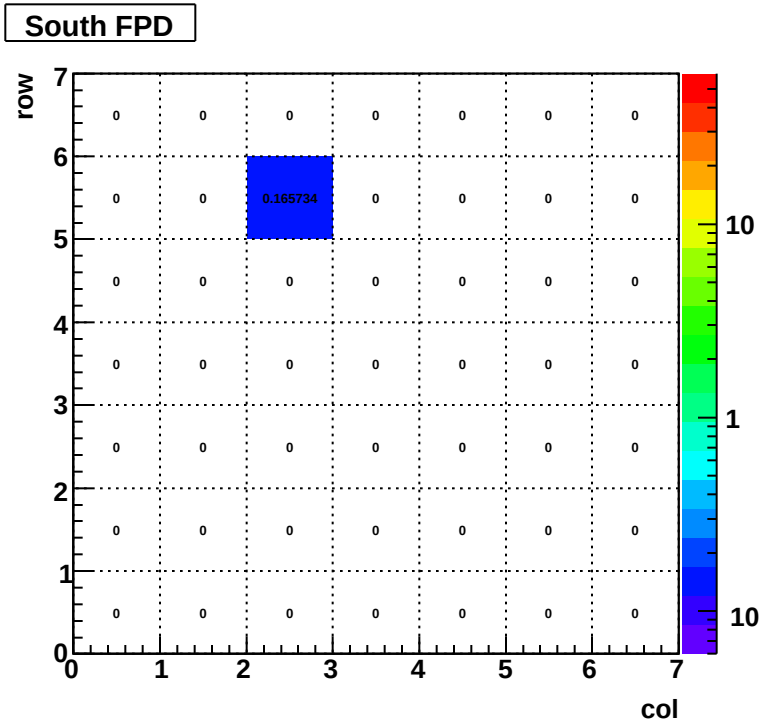
(2) Energy=13.666656 Y=-3.475621 Phi=-3.024878

M12=0.544 Y12=-3.782 Phi12=-3.121 E12=56.114

SumN(-) = 59 SumN(+)= 91 AN/.6=0.356







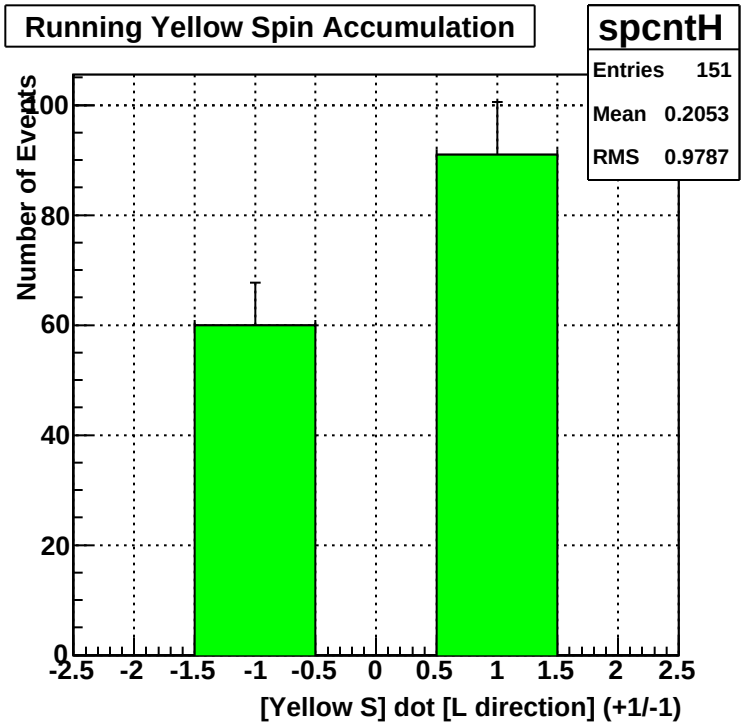
151) Rnum=7119068 EventN=6504792 (0 Yd-N[-])

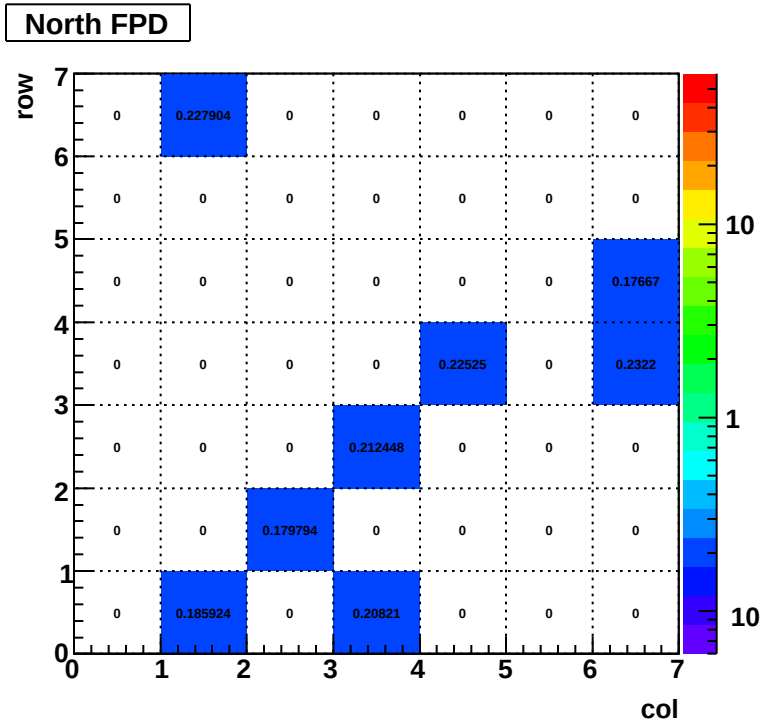
(1) Energy=35.269928 Y=-3.483638 Phi=-0.146359

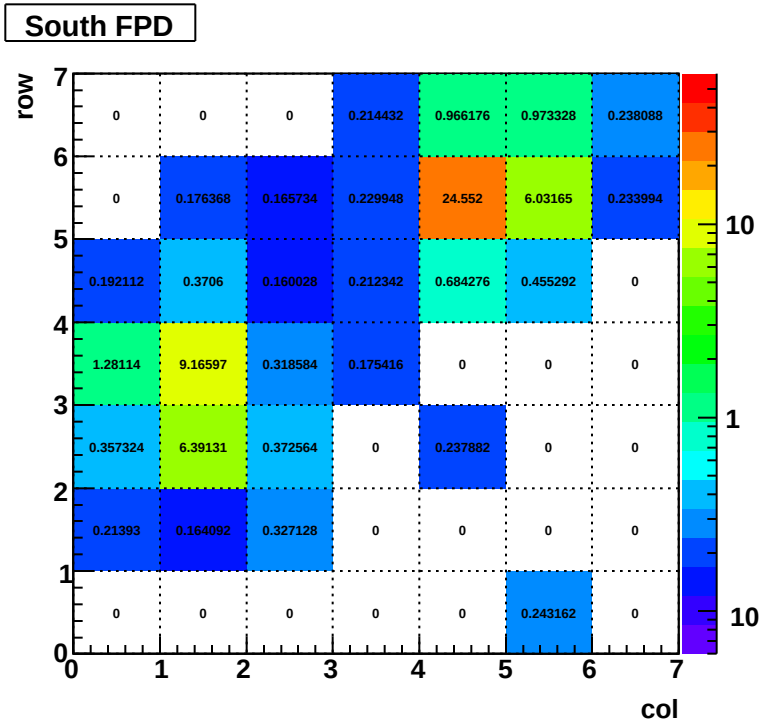
(2) Energy=19.765062 Y=-3.803883 Phi=0.065397

M12=0.531 Y12=-3.592 Phi12=-0.085 E12=55.035

SumN(-) = 60 SumN(+)= 91 AN/.6=0.342







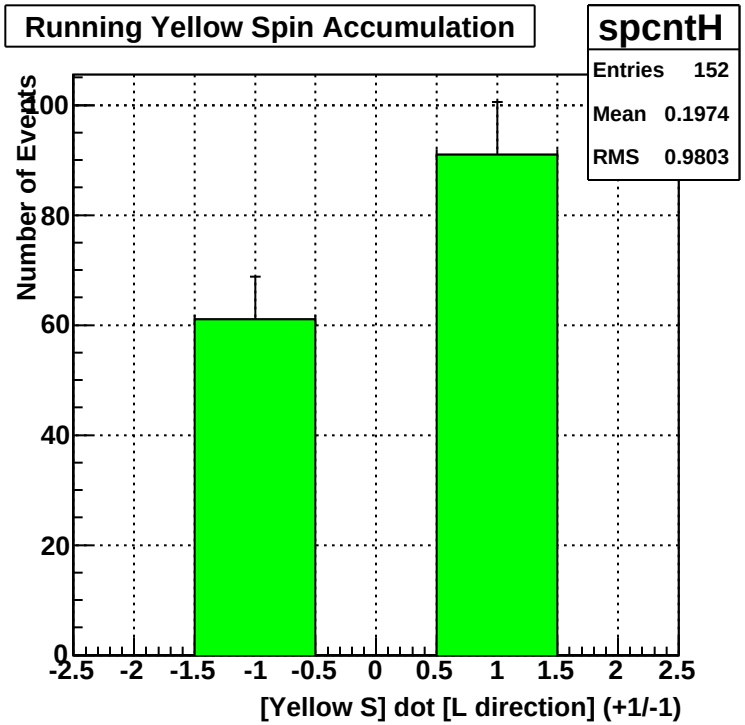
152) Rnum=7119068 EventN=9005428 (0 Yd-N[-])

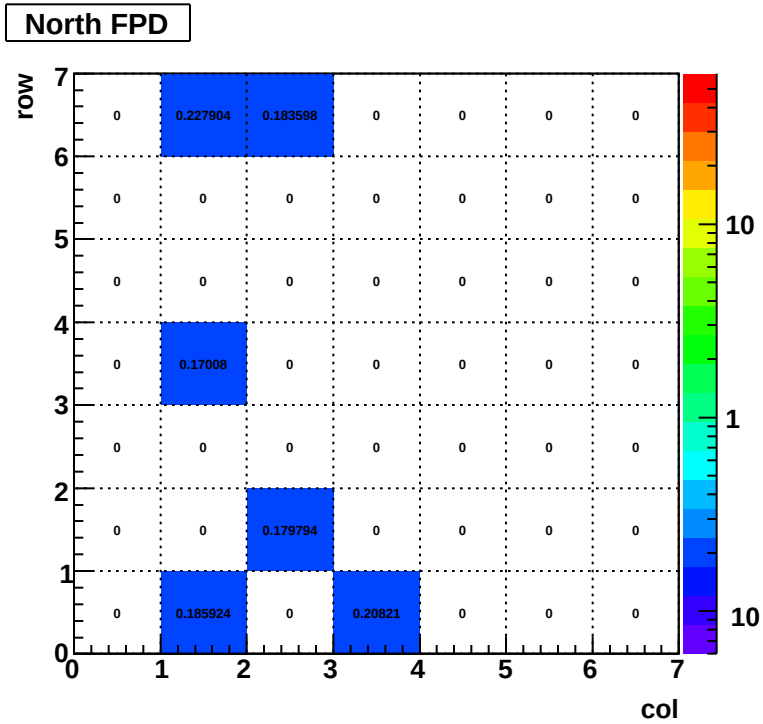
(1) Energy=29.815914 Y=-3.770757 Phi=0.046226

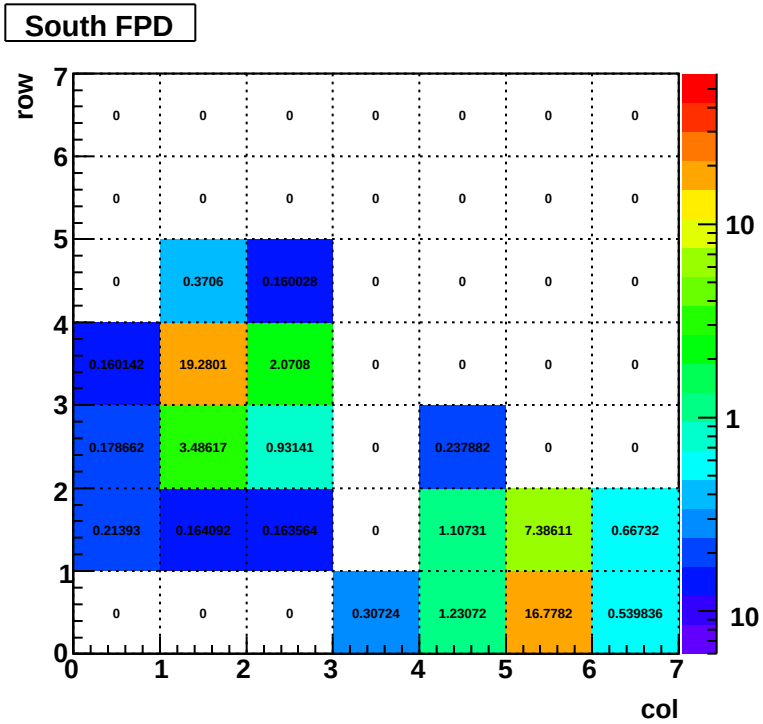
(2) Energy=28.942204 Y=-3.433173 Phi=0.200297

M12=0.596 Y12=-3.593 Phi12=0.135 E12=58.758

SumN(-) = 61 SumN(+)= 91 AN/.6=0.329







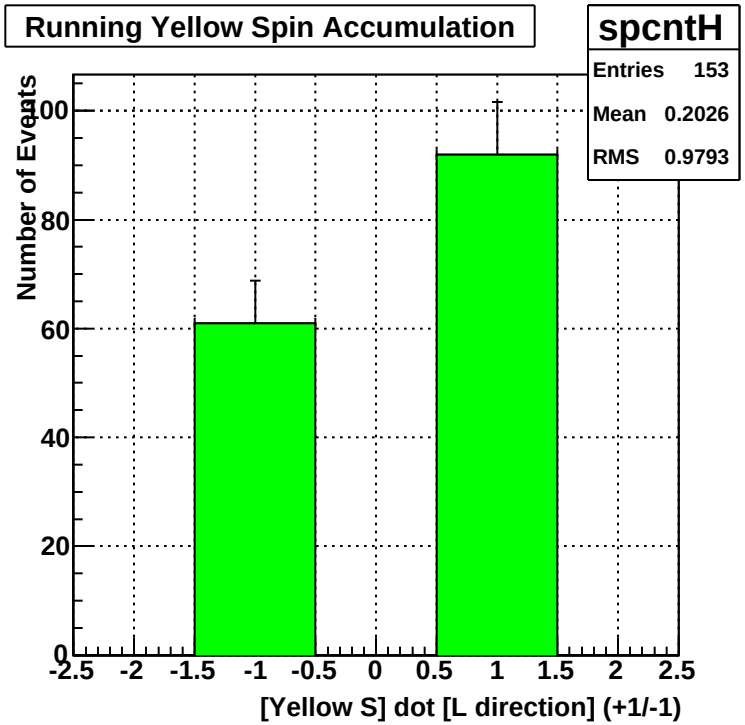
153) Rnum=7119068 EventN=9106630 (0 Yd-S[+])

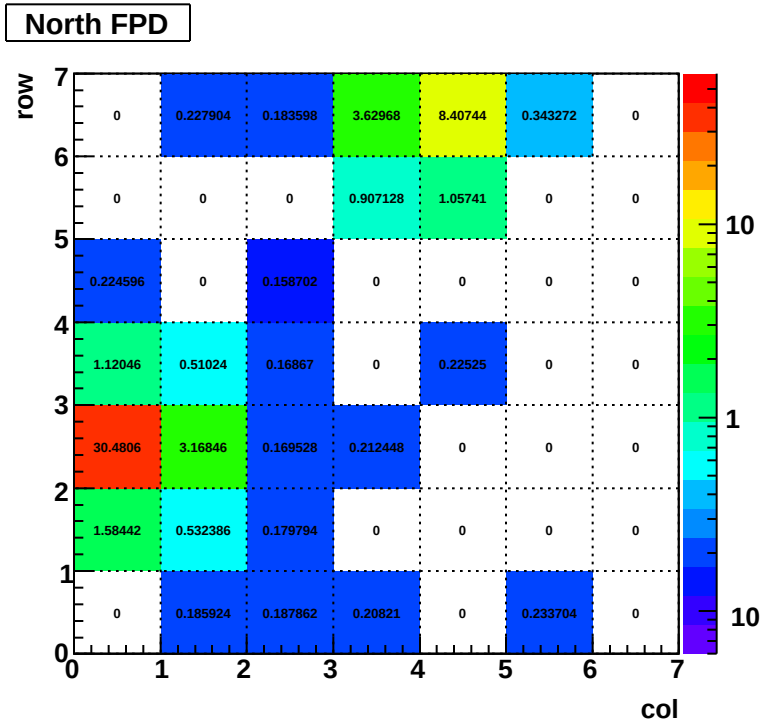
(1) Energy=40.445053 Y=-3.873492 Phi=3.005615

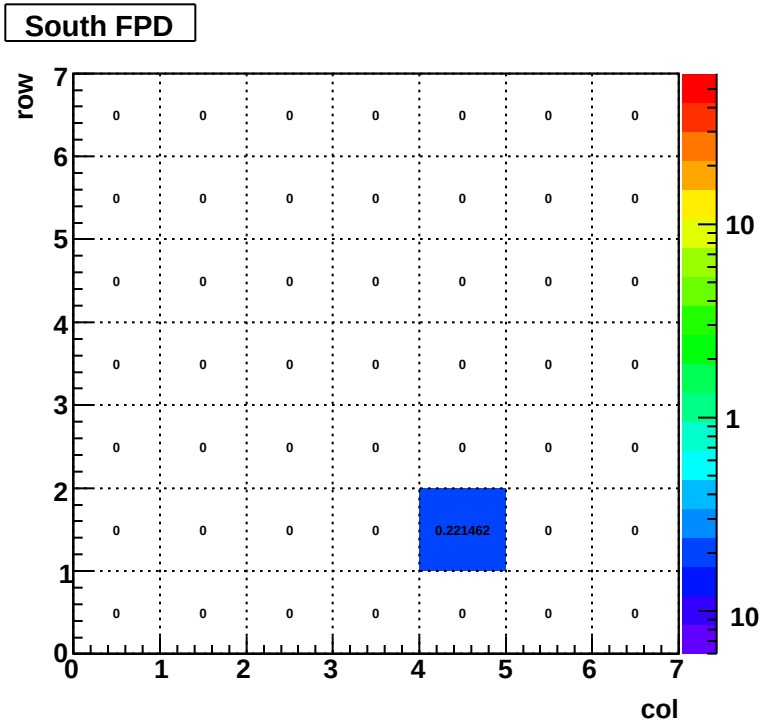
(2) Energy=15.574278 Y=-3.533192 Phi=-2.930492

M12=0.601 Y12=-3.780 Phi12=3.127 E12=56.019

SumN(-) = 61 SumN(+)= 92 AN/.6=0.338







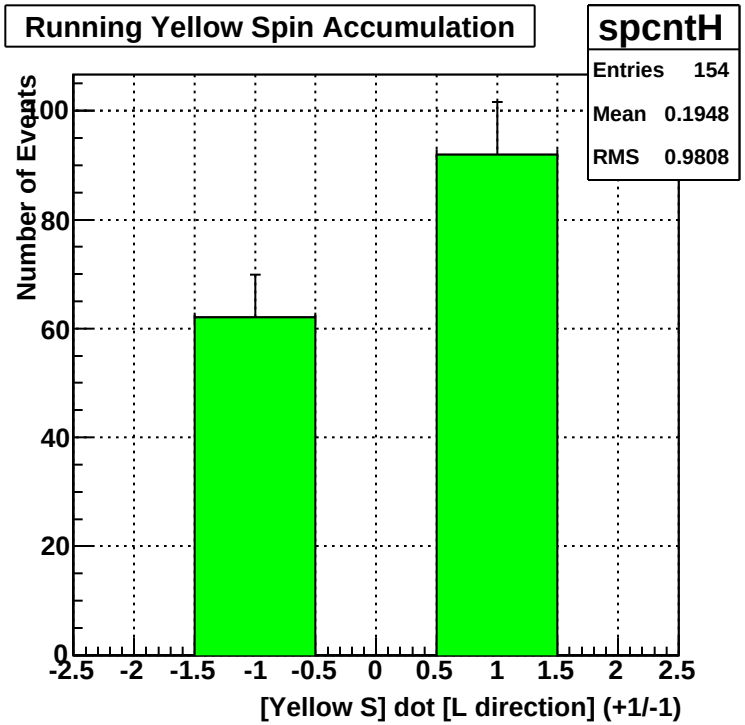
154) Rnum=7119068 EventN=2501751 (3 Yu-S[-])

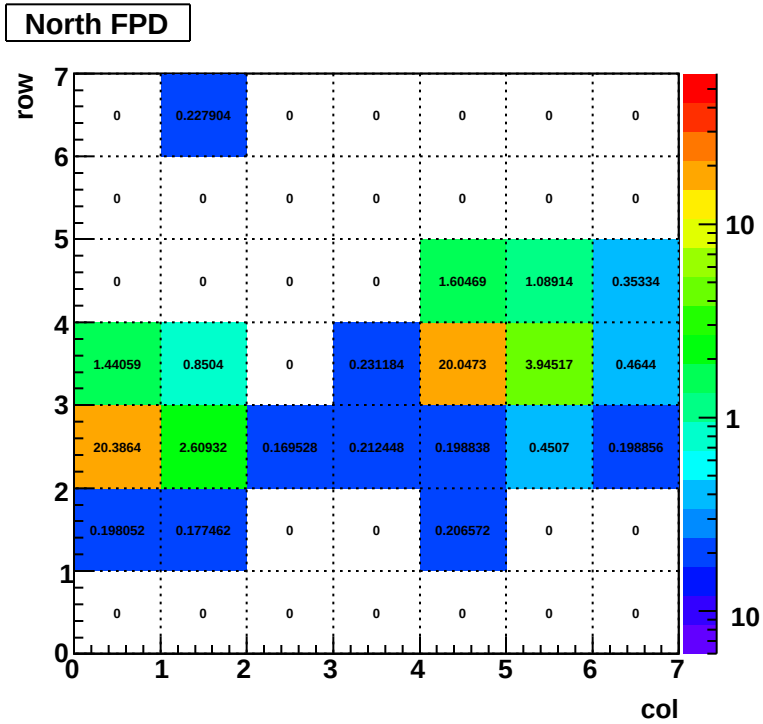
(1) Energy=28.047640 Y=-3.870903 Phi=3.030156

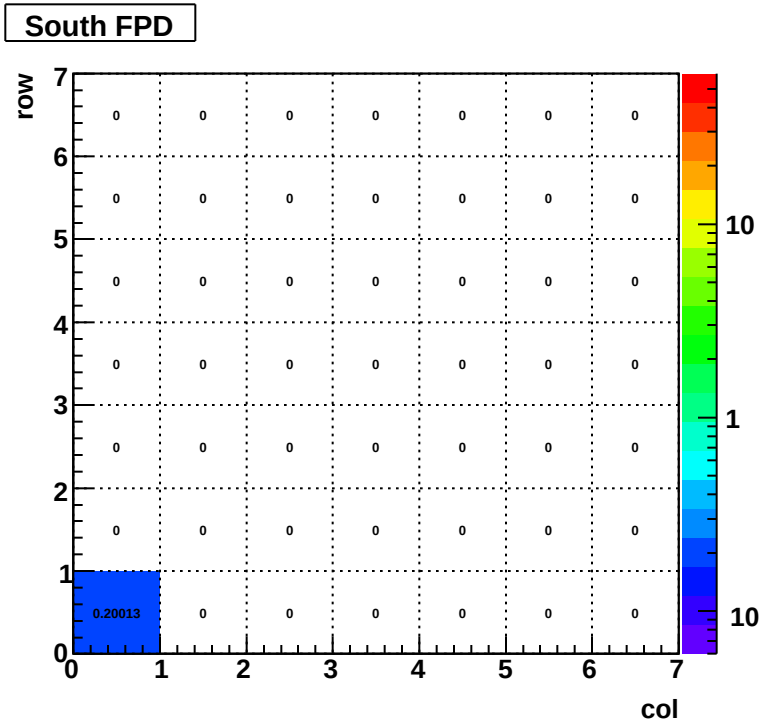
(2) Energy=28.708433 Y=-3.495906 Phi=-3.138890

M12=0.562 Y12=-3.665 Phi12=3.098 E12=56.756

SumN(-) = 62 SumN(+)= 92 AN/.6=0.325







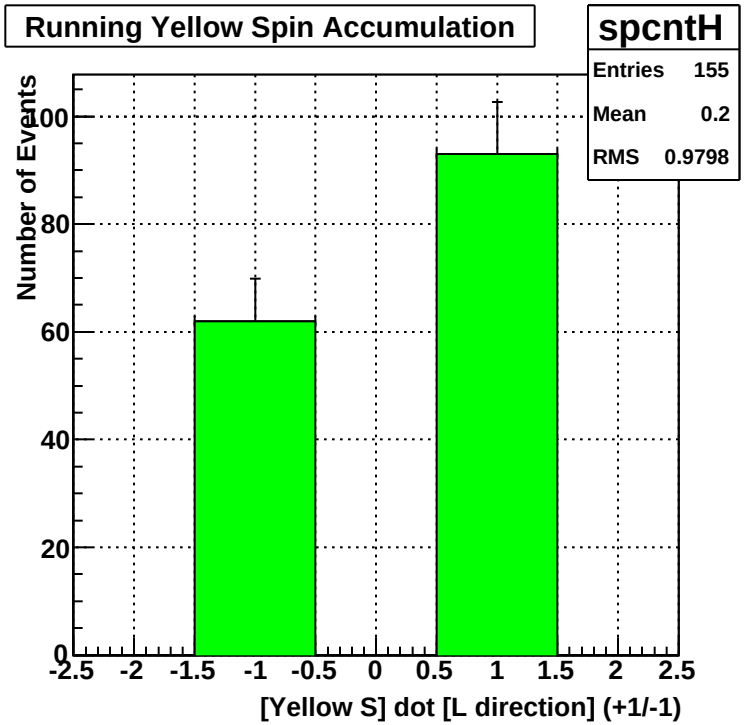
155) Rnum=7119070 EventN=4203148 (3 Yu-N[+])

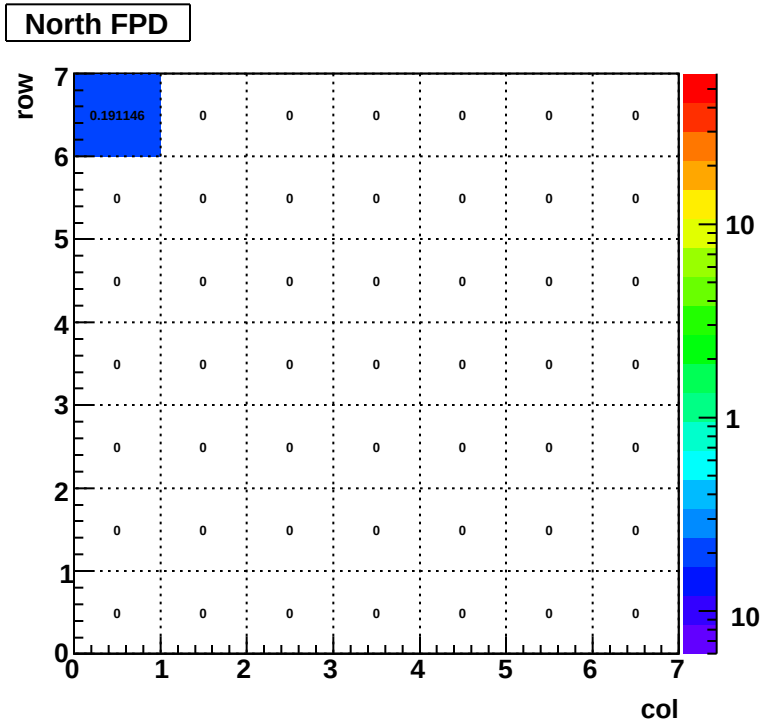
(1) Energy=36.900078 Y=-3.909301 Phi=0.131518

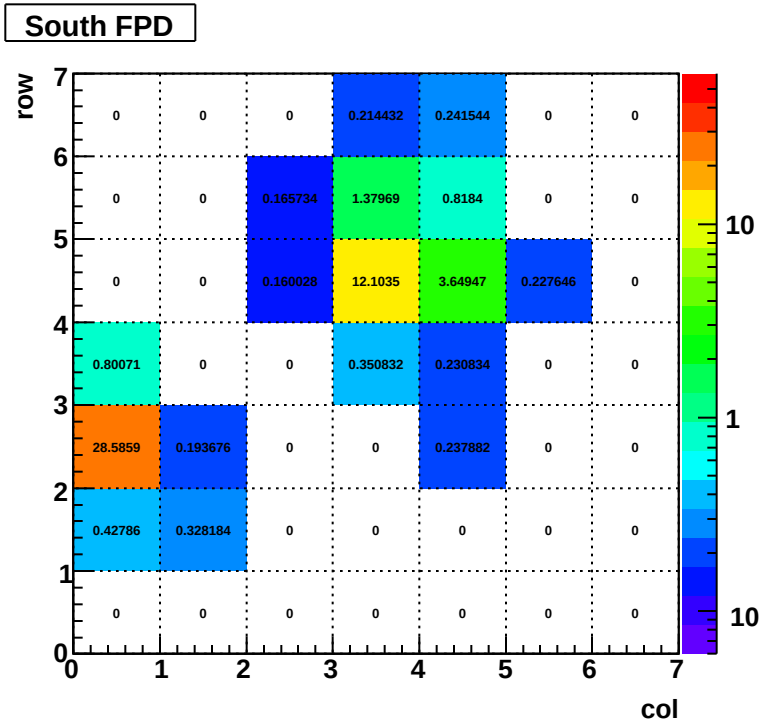
(2) Energy=19.133802 Y=-3.568025 Phi=-0.090212

M12=0.516 Y12=-3.785 Phi12=0.038 E12=56.034

SumN(-) = 62 SumN(+)= 93 AN/.6=0.333







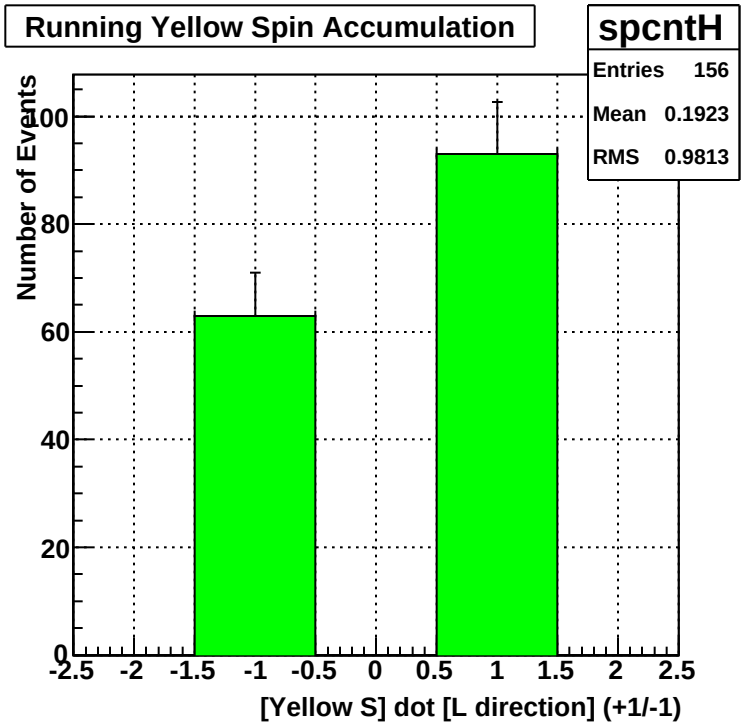
156) Rnum=7119070 EventN=802596 (3 Yu-S[-])

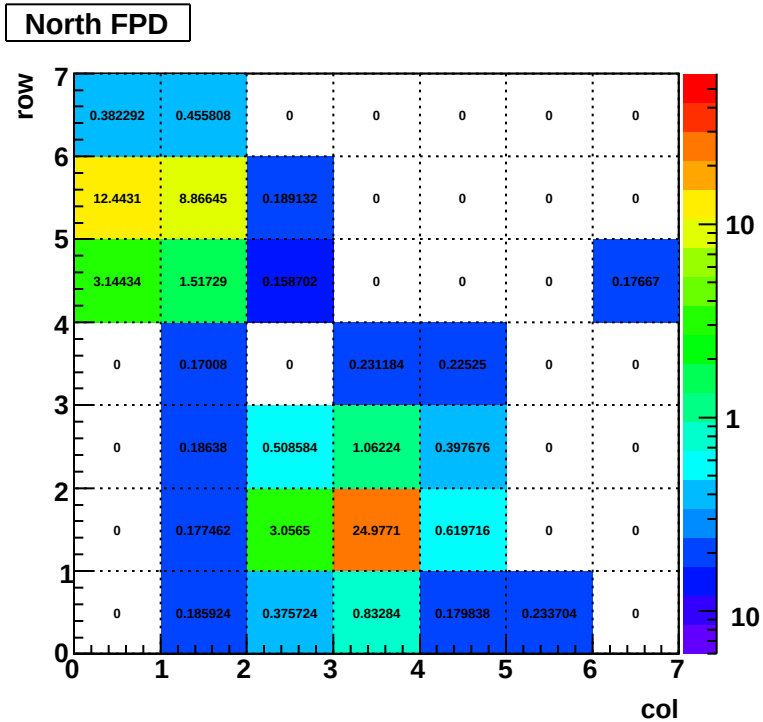
(1) Energy=29.563974 Y=-3.610238 Phi=2.956897

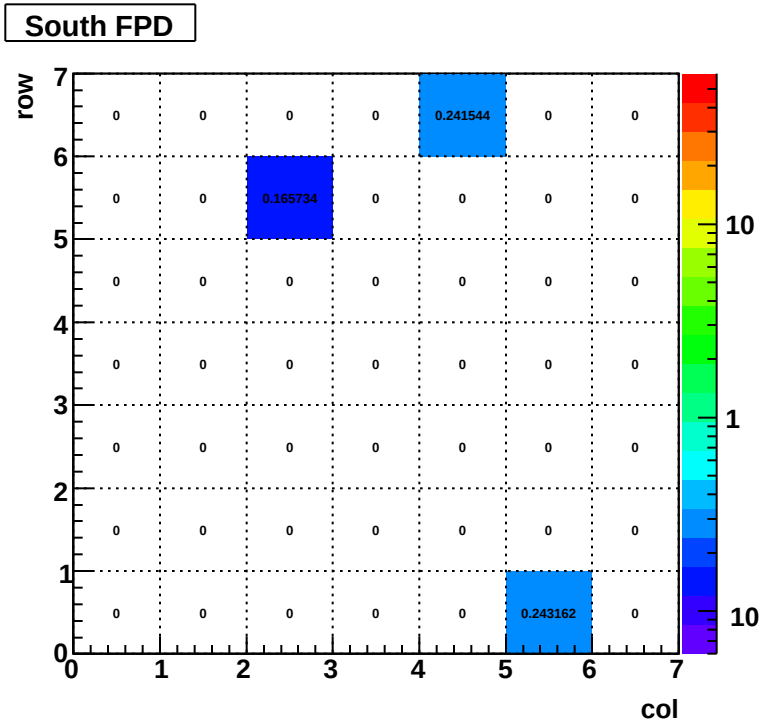
(2) Energy=27.955767 Y=-3.837828 Phi=-2.971744

M12=0.583 Y12=-3.730 Phi12=3.109 E12=57.520

SumN(-) = 63 SumN(+)= 93 AN/.6=0.321







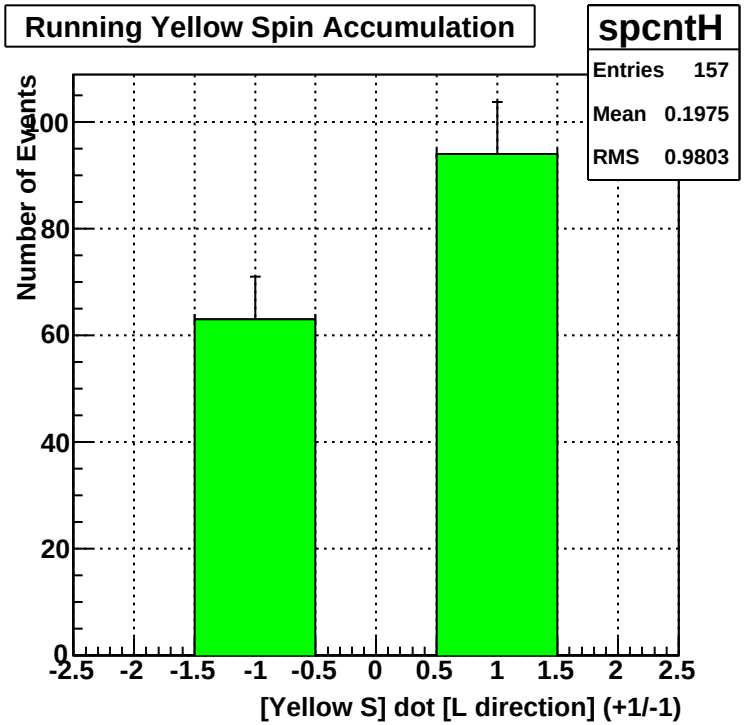
157) Rnum=7119070 EventN=2400919 (0 Yd-S[+])

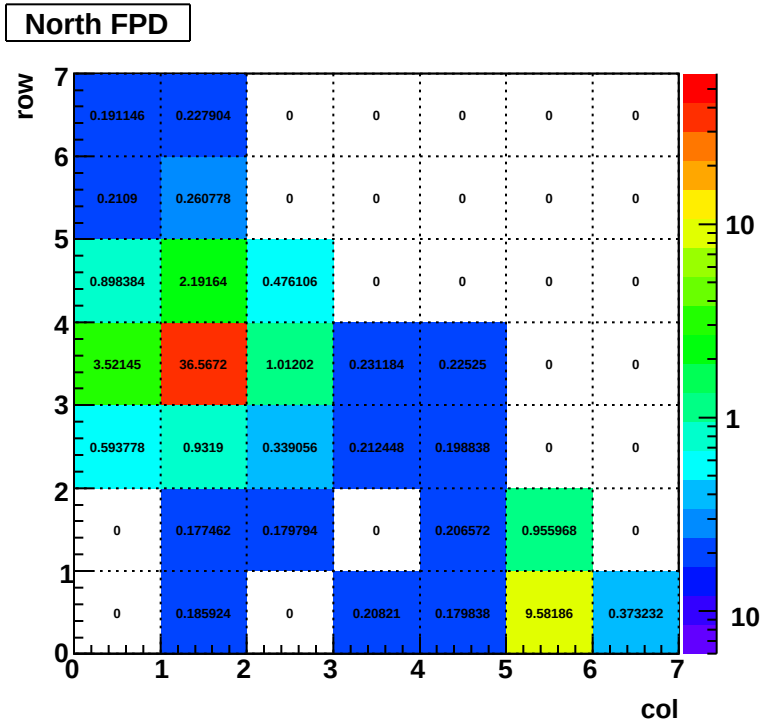
(1) Energy=47.521149 Y=-3.814878 Phi=3.136874

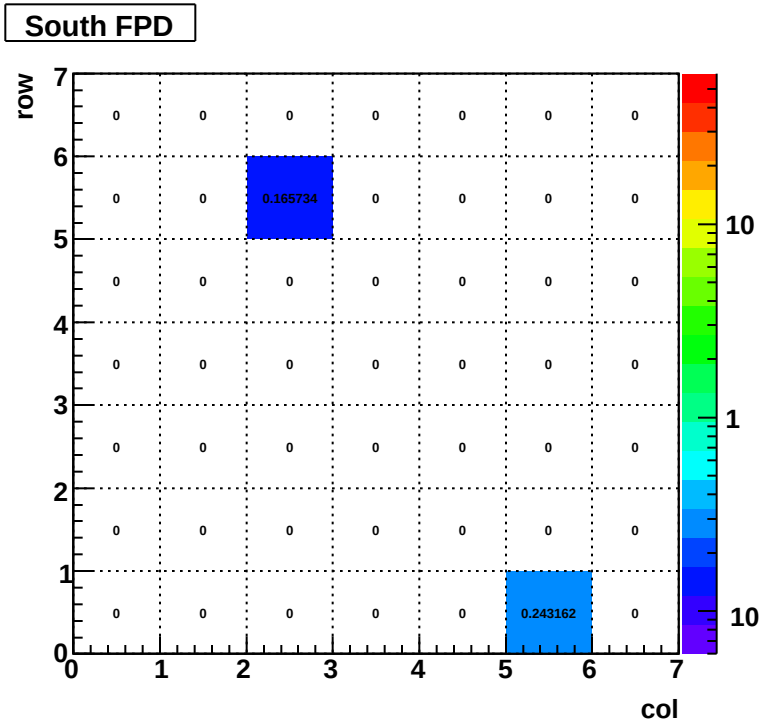
(2) Energy=11.309093 Y=-3.418350 Phi=2.928313

M12=0.560 Y12=-3.730 Phi12=3.083 E12=58.830

SumN(-) = 63 SumN(+)= 94 AN/.6=0.329







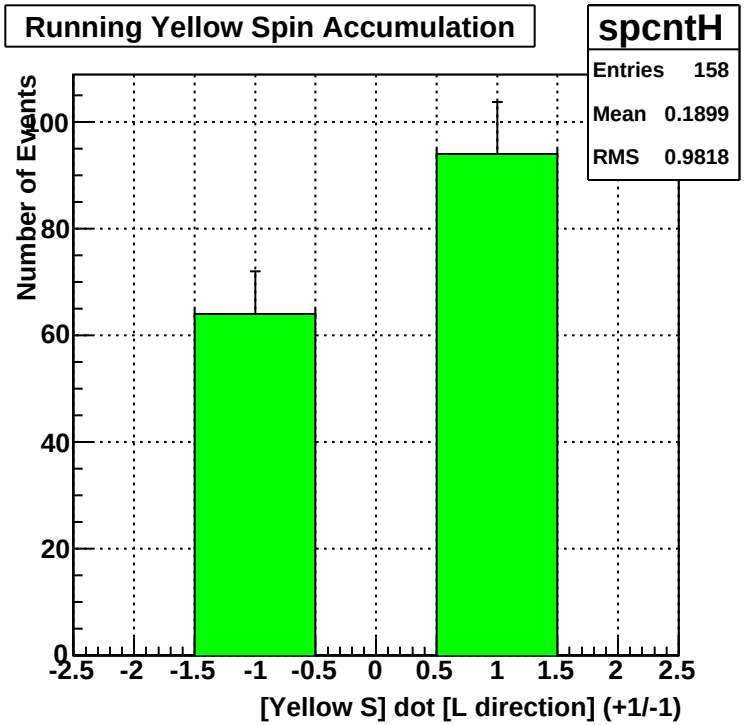
158) Rnum=7119079 EventN=2807239 (0 Yd-N[-])

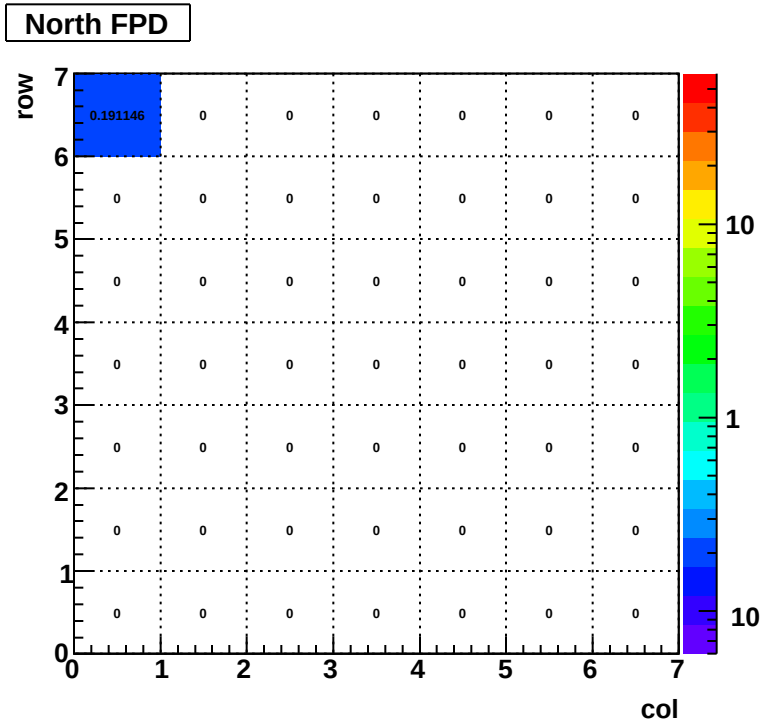
(1) Energy=24.648937 Y=-3.865061 Phi=0.121712

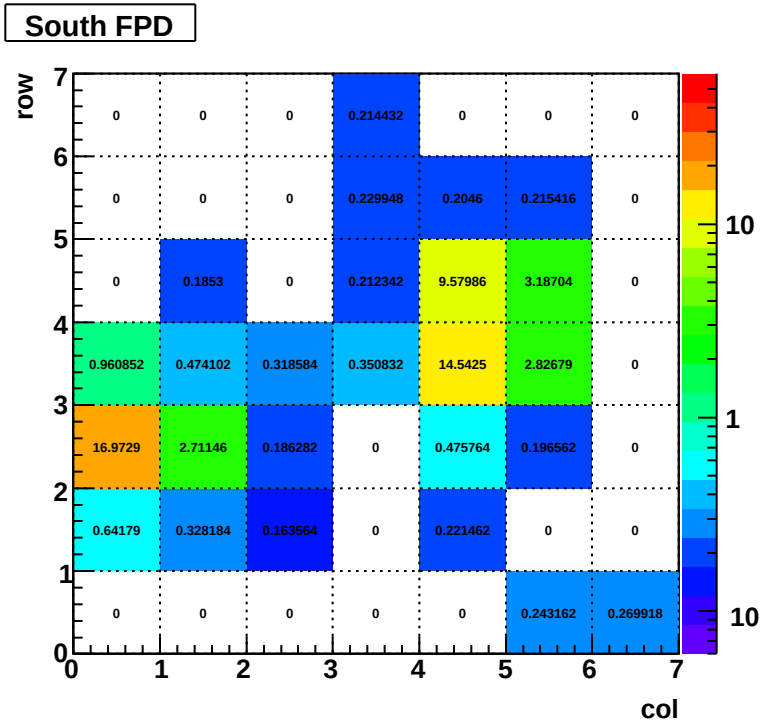
(2) Energy=30.566172 Y=-3.494836 Phi=-0.025452

M12=0.554 Y12=-3.646 Phi12=0.027 E12=55.215

SumN(-) = 64 SumN(+)= 94 AN/.6=0.316







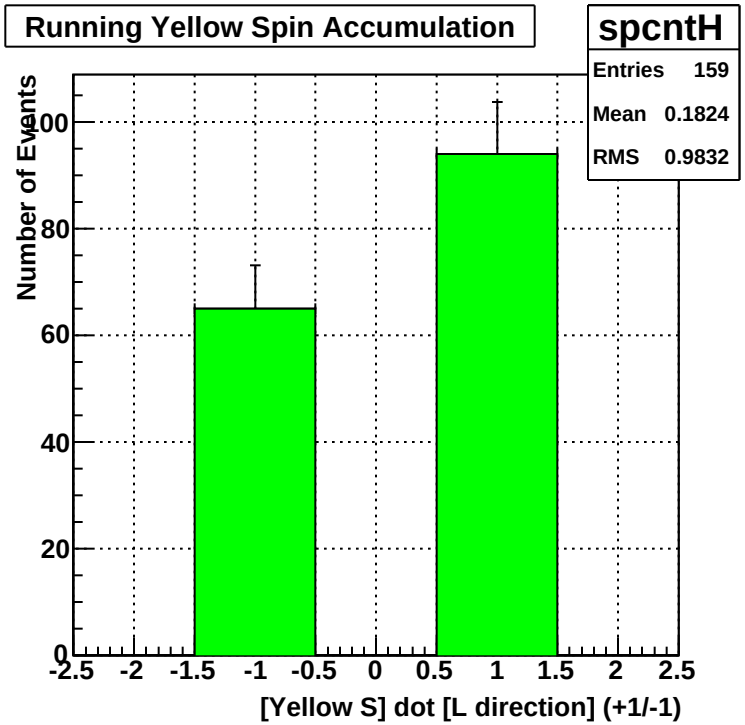
159) Rnum=7119079 EventN=7906411 (2 Yd-N[-])

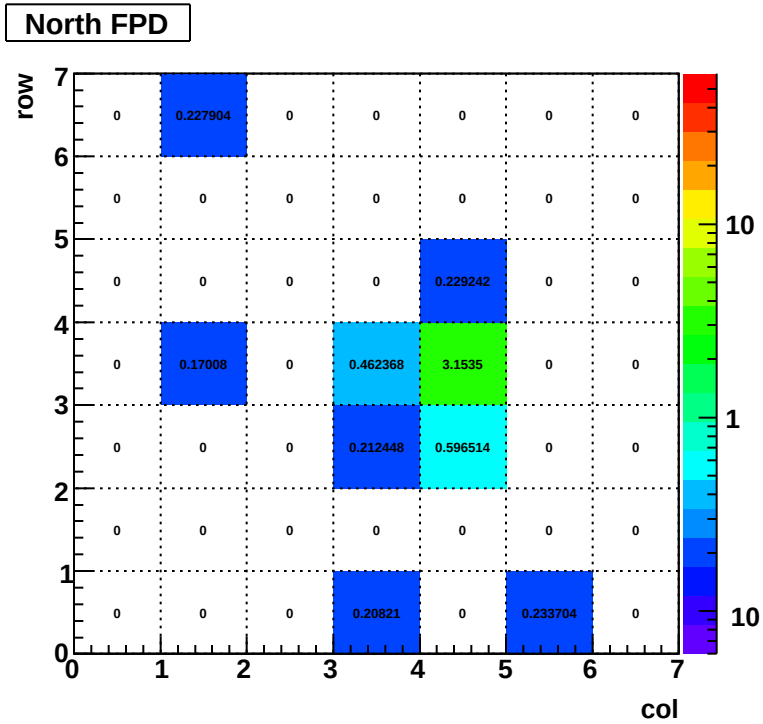
(1) Energy=44.560715 Y=-3.688144 Phi=0.237920

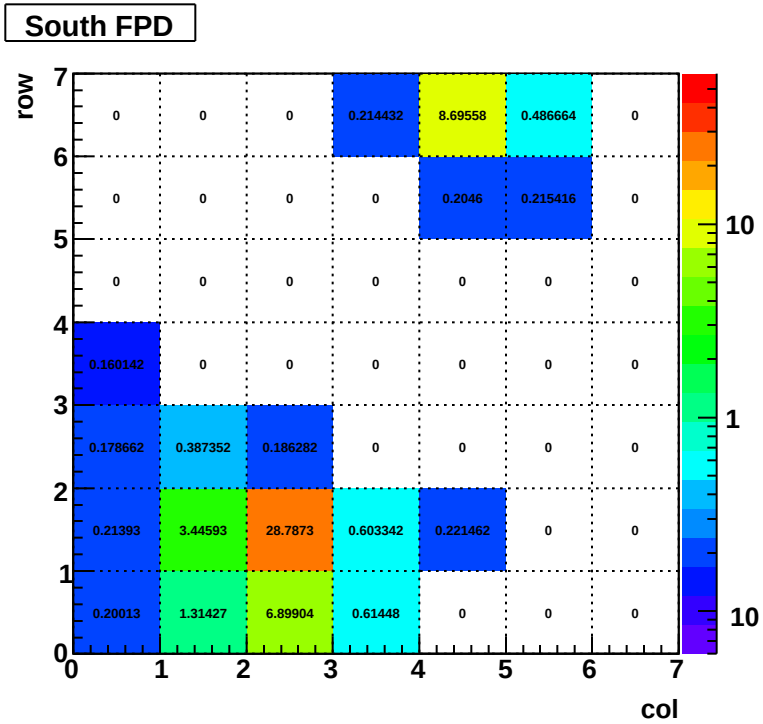
(2) Energy=10.970876 Y=-3.488346 Phi=-0.232231

M12=0.619 Y12=-3.665 Phi12=0.131 E12=55.532

SumN(-) = 65 SumN(+)= 94 AN/.6=0.304







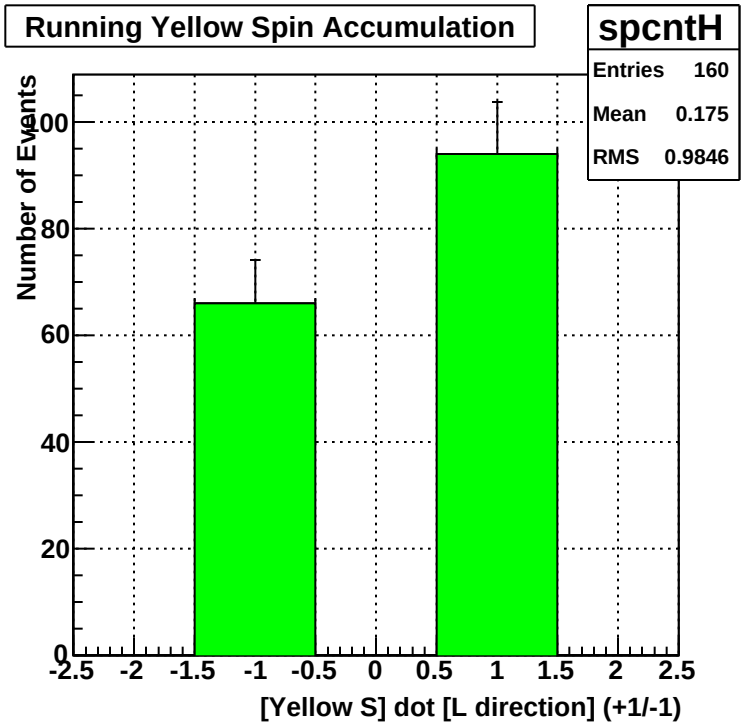
160) Rnum=7119079 EventN=8003721 (2 Yd-N[-])

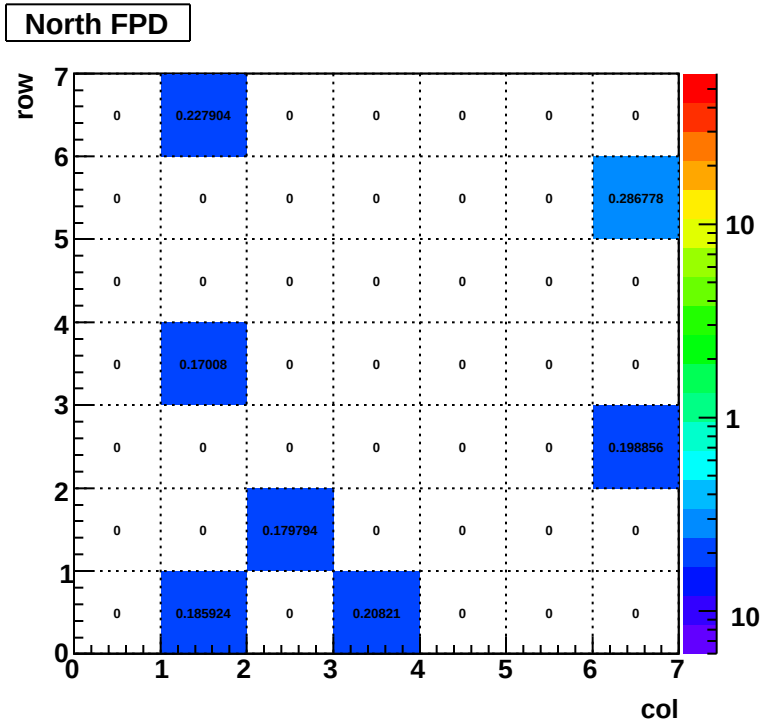
(1) Energy=34.815994 Y=-3.786037 Phi=0.075612

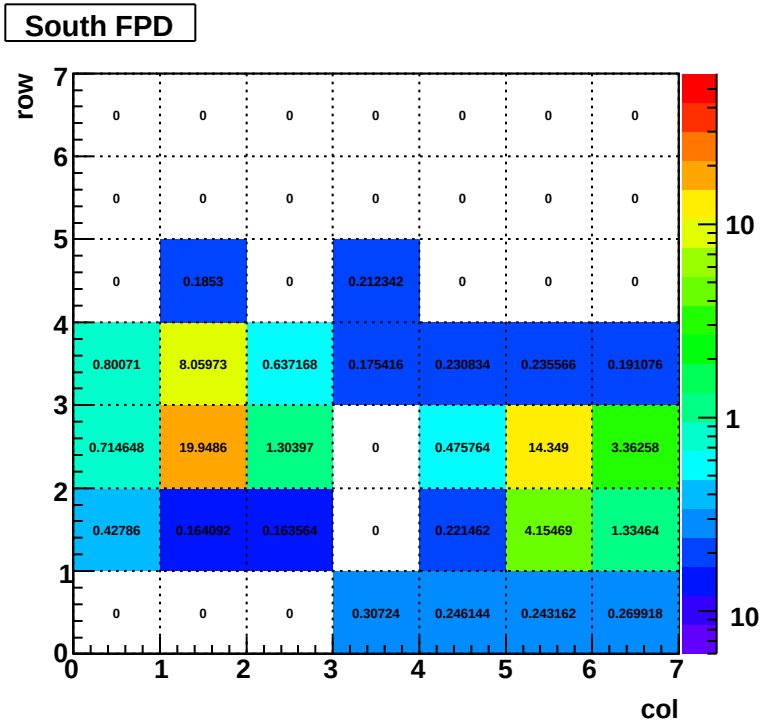
(2) Energy=24.935465 Y=-3.413588 Phi=0.109253

M12=0.605 Y12=-3.614 Phi12=0.093 E12=59.751

SumN(-) = 66 SumN(+)= 94 AN/.6=0.292







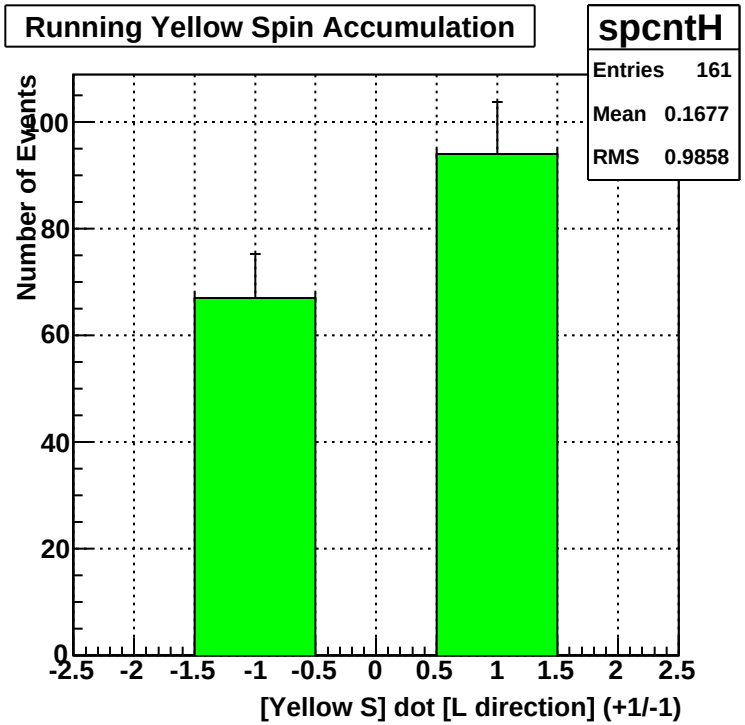
161) Rnum=7119080 EventN=4102500 (0 Yd-N[-])

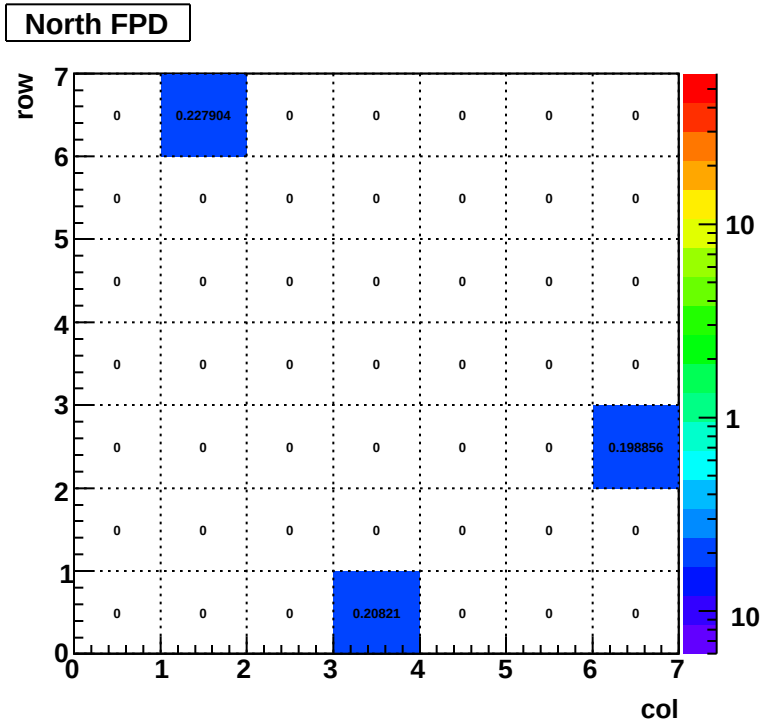
(1) Energy=33.117550 Y=-3.677368 Phi=0.169860

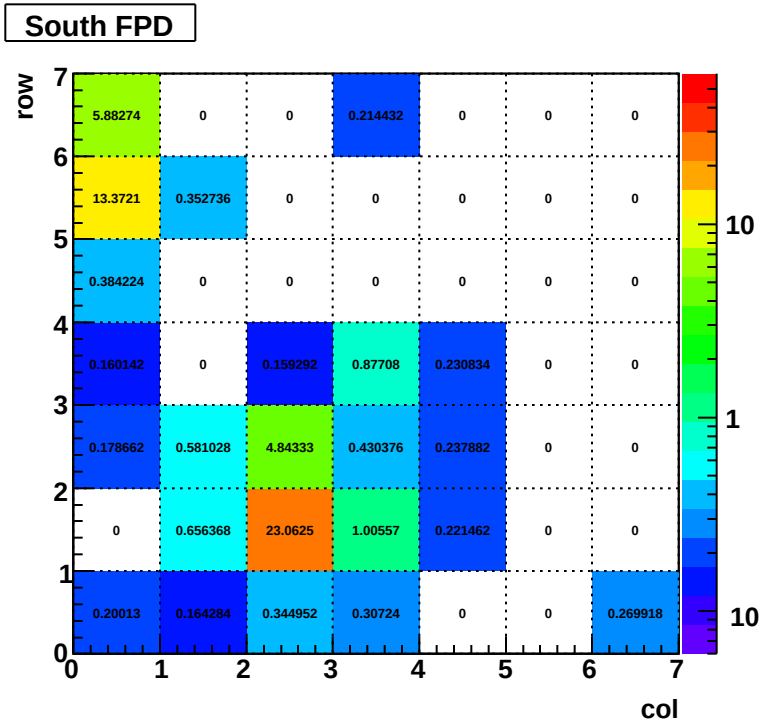
(2) Energy=23.146803 Y=-3.887607 Phi=-0.264632

M12=0.605 Y12=-3.780 Phi12=0.014 E12=56.264

SumN(-) = 67 SumN(+)= 94 AN/.6=0.280







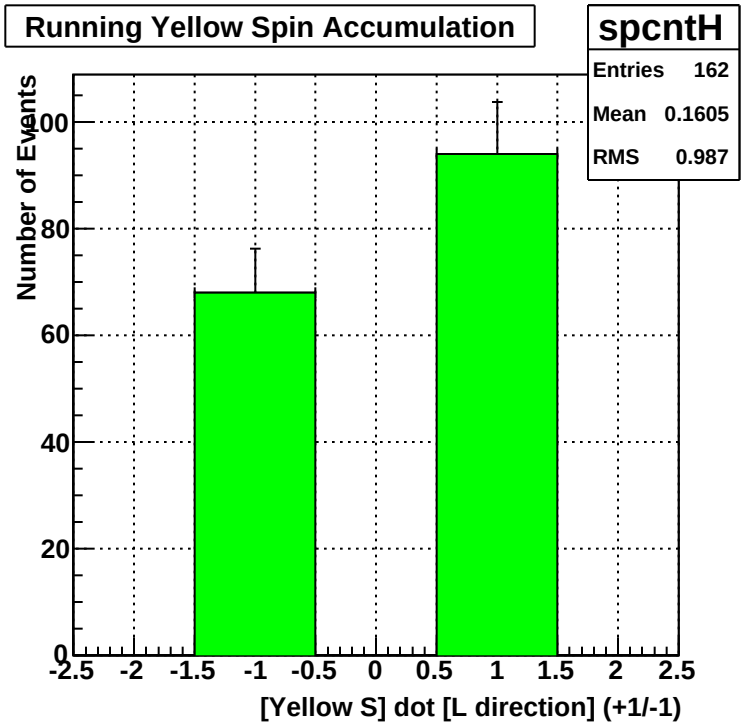
162) Rnum=7119080 EventN=4909819 (1 Yu-S[-])

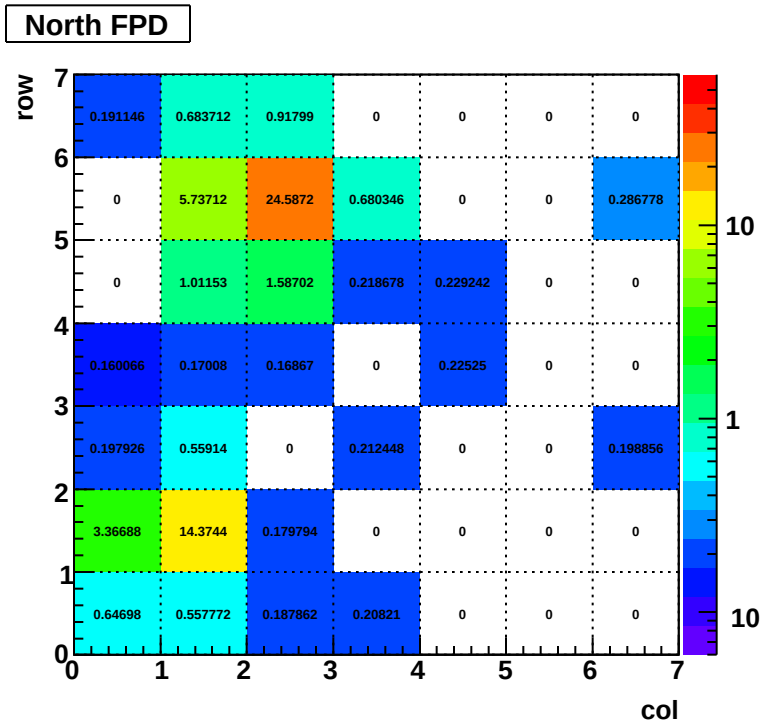
(1) Energy=36.290733 Y=-3.712595 Phi=-2.972565

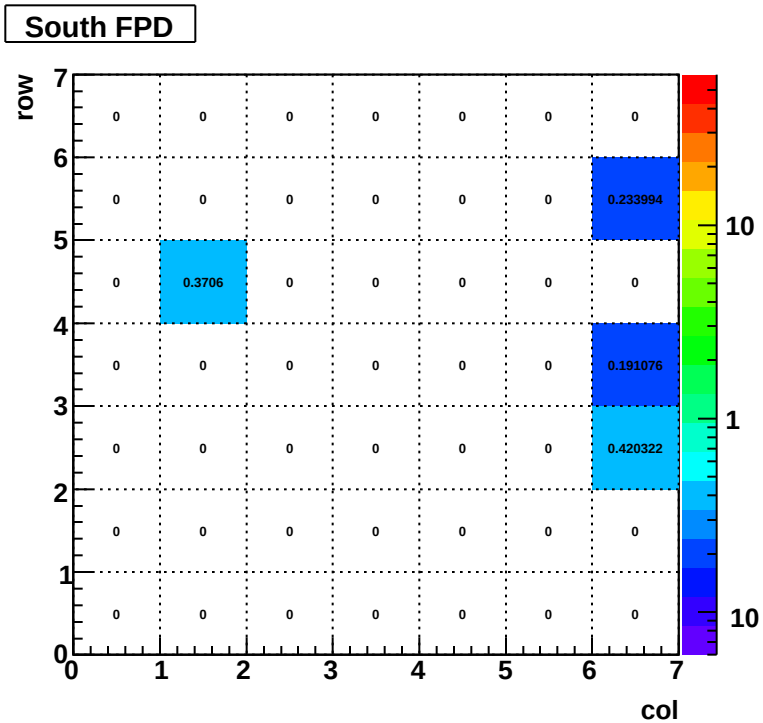
(2) Energy=21.543907 Y=-3.803503 Phi=2.907975

M12=0.535 Y12=-3.764 Phi12=-3.113 E12=57.835

SumN(-) = 68 SumN(+)= 94 AN/.6=0.267







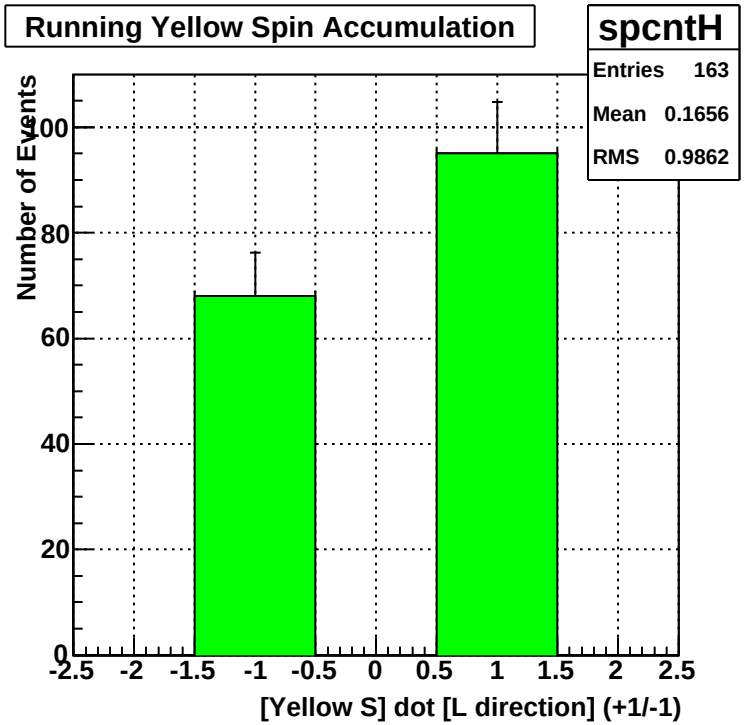
163) Rnum=7119080 EventN=202539 (3 Yu-N[+])

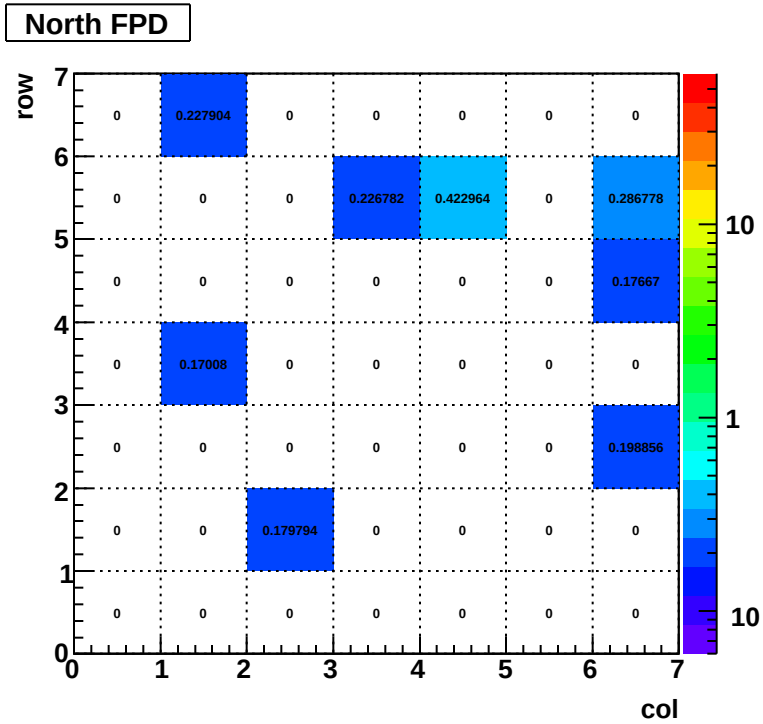
(1) Energy=37.654045 Y=-3.583882 Phi=-0.165939

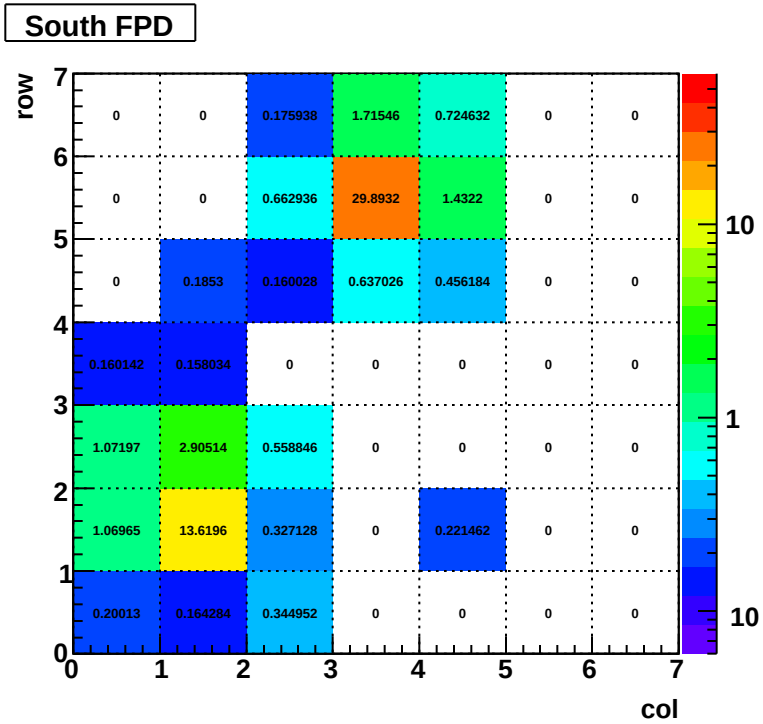
(2) Energy=20.860880 Y=-3.793838 Phi=0.190092

M12=0.577 Y12=-3.667 Phi12=-0.056 E12=58.515

SumN(-) = 68 SumN(+)= 95 AN/.6=0.276







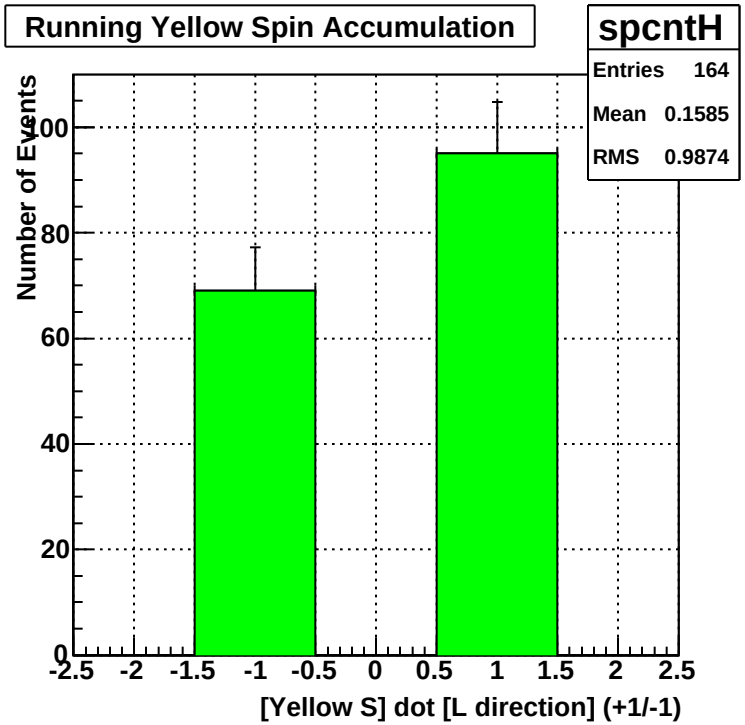
164) Rnum=7119081 EventN=604309 (2 Yd-N[-])

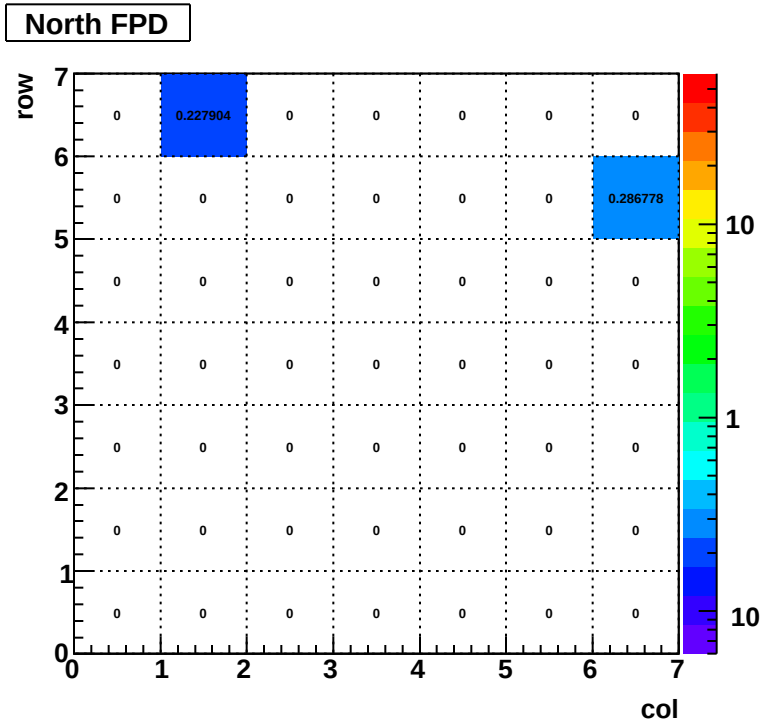
(1) Energy=41.341267 Y=-3.488699 Phi=-0.006930

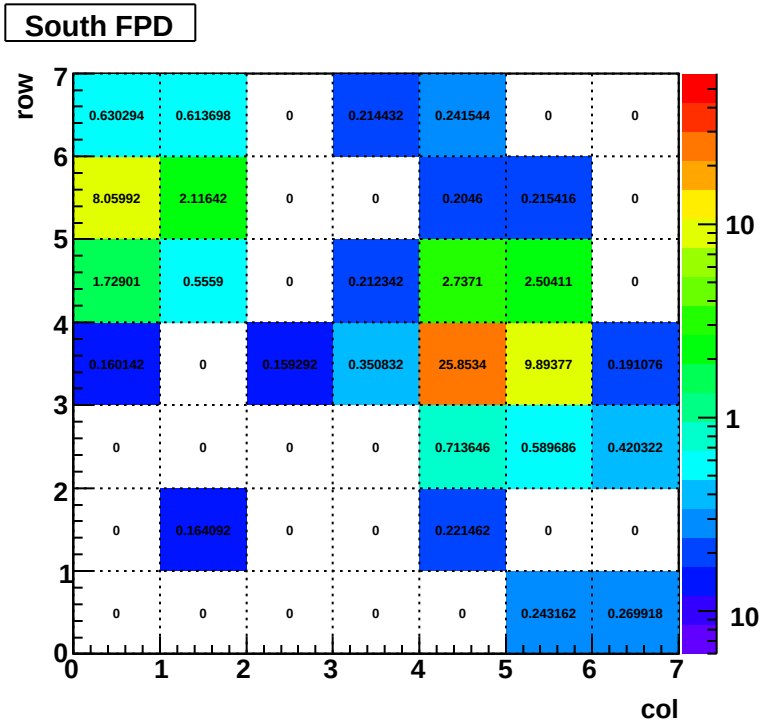
(2) Energy=13.679471 Y=-3.849091 Phi=-0.169958

M12=0.482 Y12=-3.569 Phi12=-0.037 E12=55.021

SumN(-) = 69 SumN(+)= 95 AN/.6=0.264







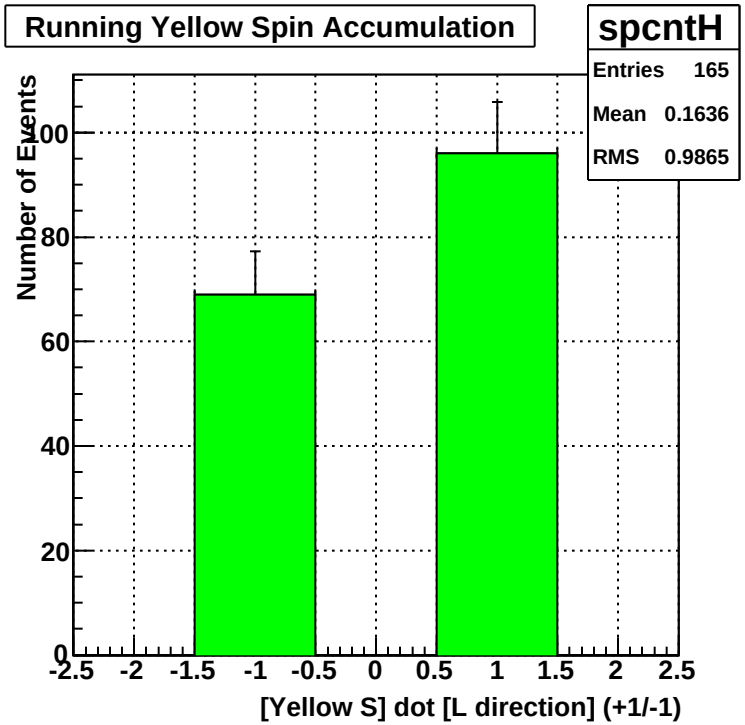
165) Rnum=7119083 EventN=404970 (0 Yd-S[+])

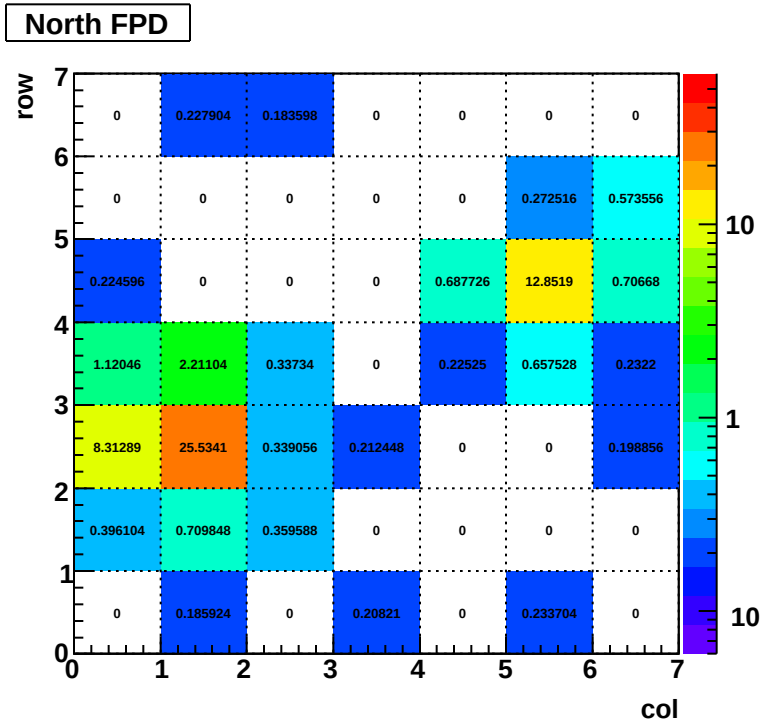
(1) Energy=40.785622 Y=-3.830500 Phi=3.033314

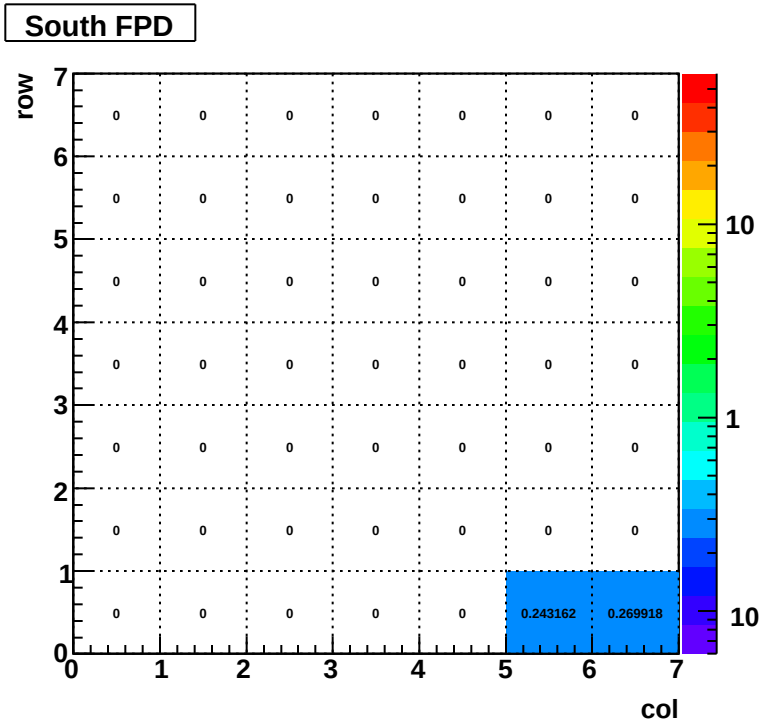
(2) Energy=16.749243 Y=-3.438551 Phi=-3.084937

M12=0.589 Y12=-3.703 Phi12=3.096 E12=57.535

SumN(-) = 69 SumN(+)= 96 AN/.6=0.273







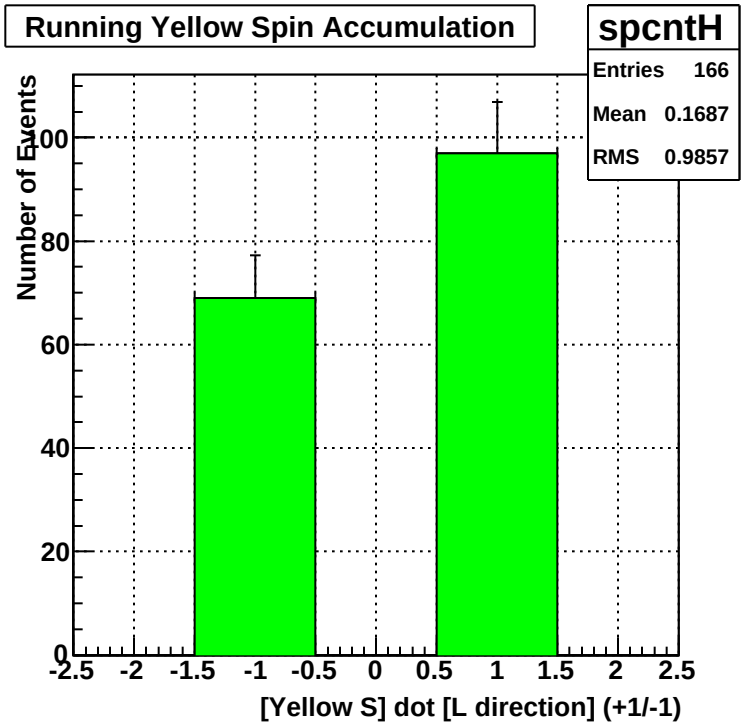
166) Rnum=7119089 EventN=2105950 (0 Yd-S[+])

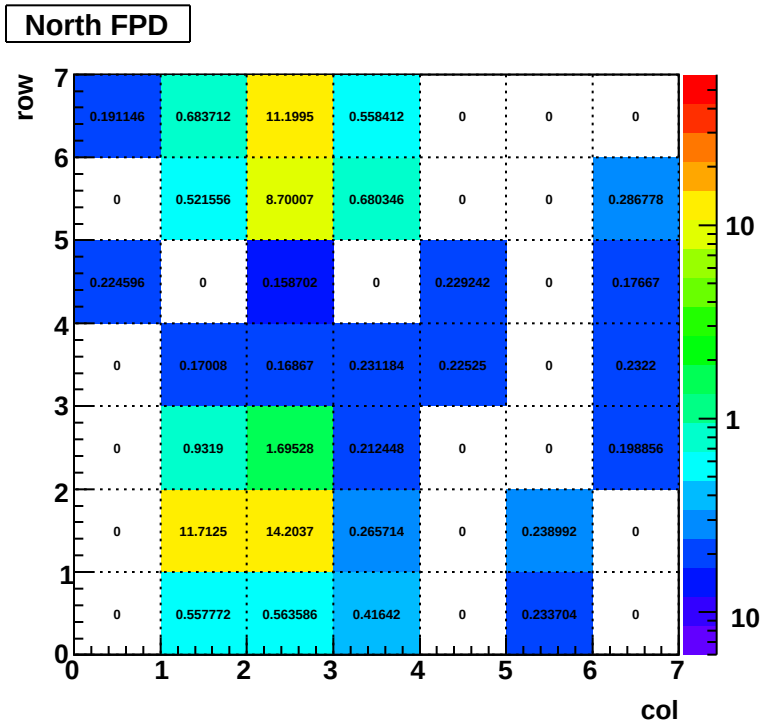
(1) Energy=31.988272 Y=-3.722448 Phi=2.943740

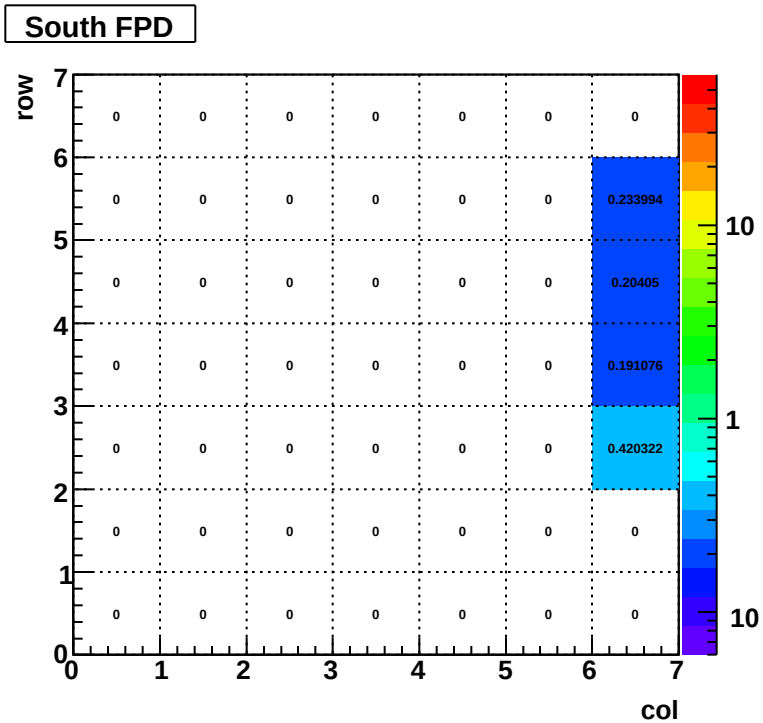
(2) Energy=23.802284 Y=-3.670262 Phi=-2.920773

M12=0.573 Y12=-3.722 Phi12=3.127 E12=55.791

SumN(-) = 69 SumN(+)= 97 AN/.6=0.281







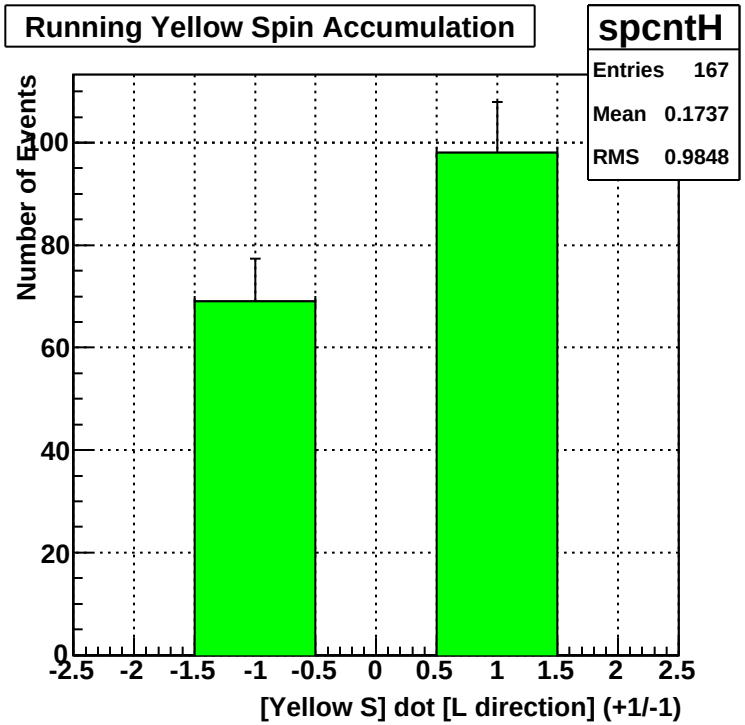
167) Rnum=7119091 EventN=3207710 (2 Yd-S[+])

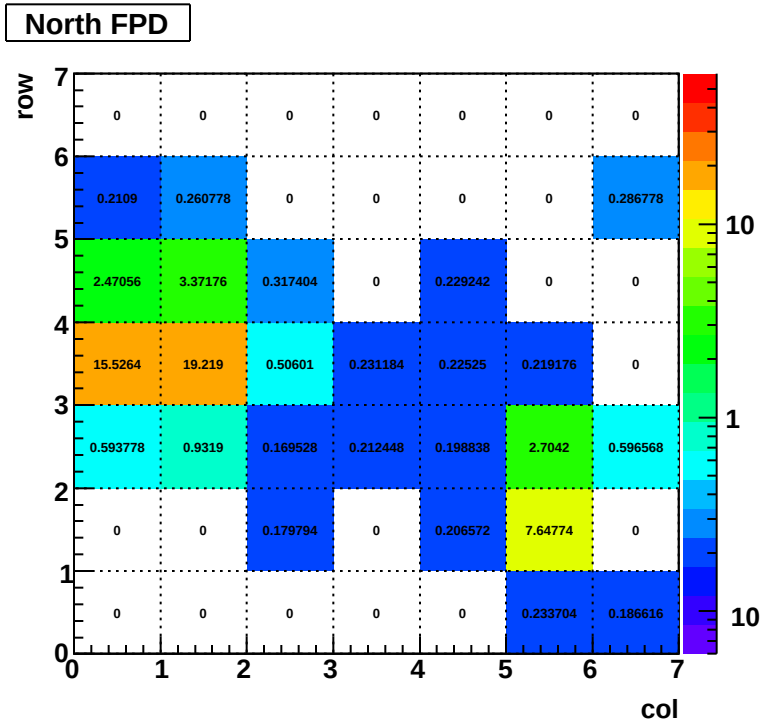
(1) Energy=44.696350 Y=-3.846808 Phi=-3.130072

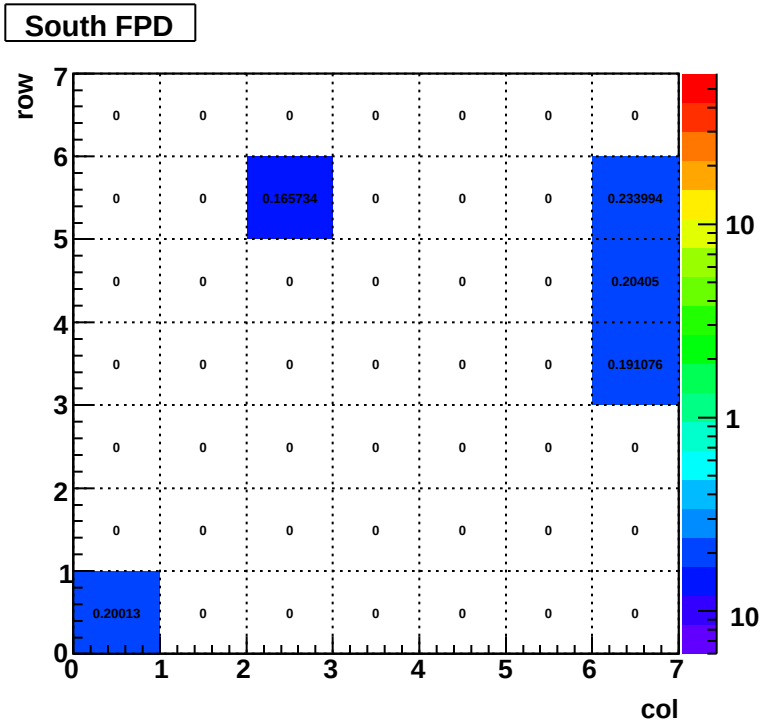
(2) Energy=11.664920 Y=-3.424096 Phi=3.015715

M12=0.539 Y12=-3.745 Phi12=3.114 E12=56.361

SumN(-) = 69 SumN(+)= 98 AN/.6=0.289







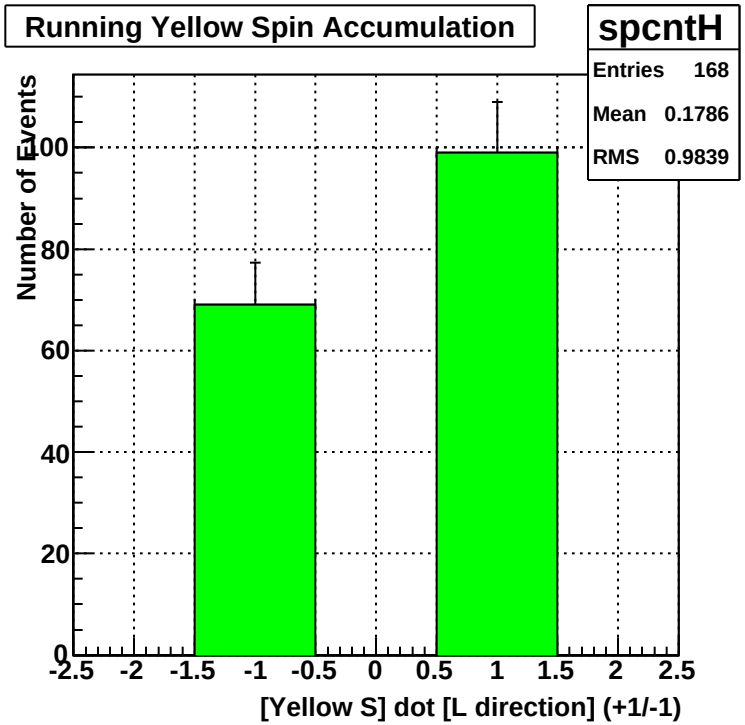
168) Rnum=7119091 EventN=4001560 (1 Yu-N[+])

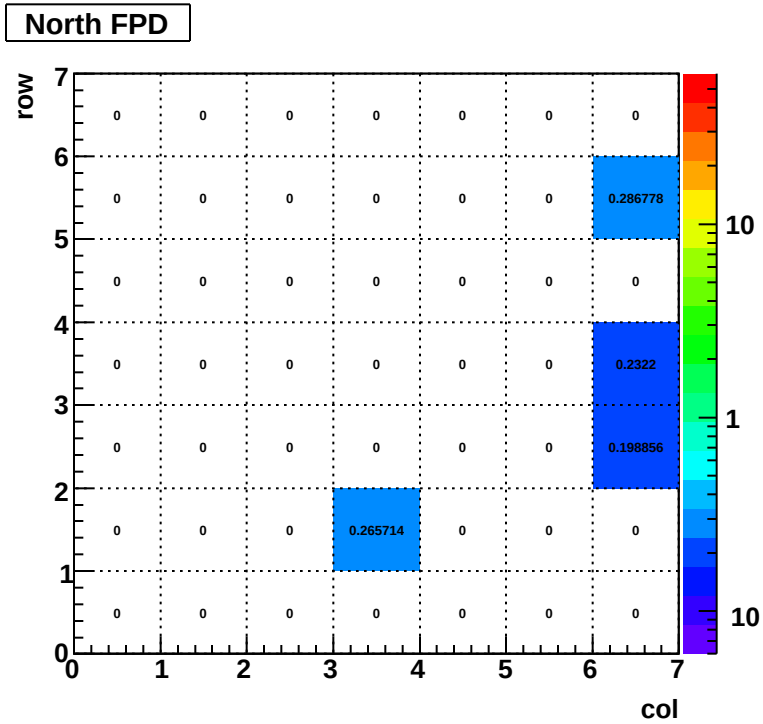
(1) Energy=43.952599 Y=-3.838039 Phi=-0.158108

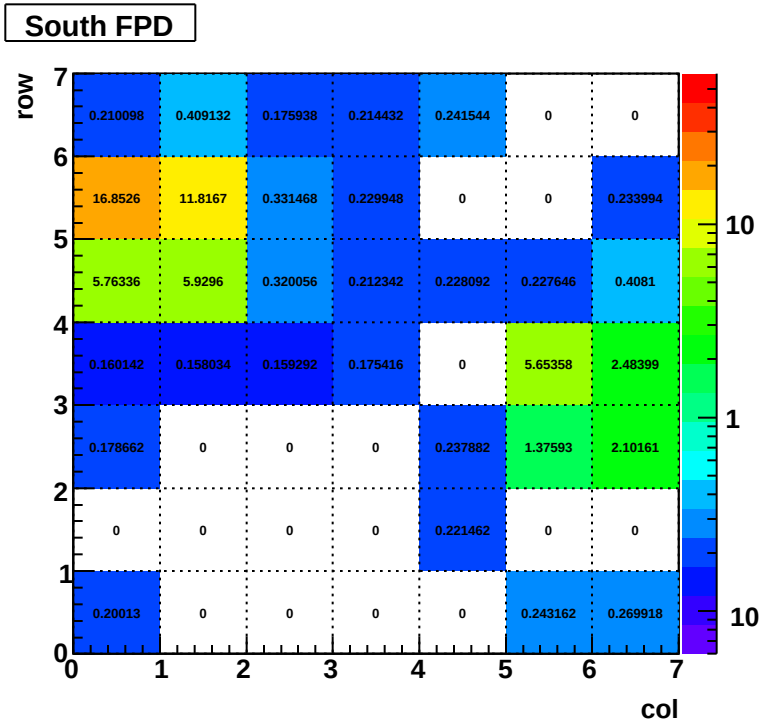
(2) Energy=11.380404 Y=-3.412906 Phi=0.038444

M12=0.561 Y12=-3.739 Phi12=-0.102 E12=55.333

SumN(-) = 69 SumN(+)= 99 AN/.6=0.298







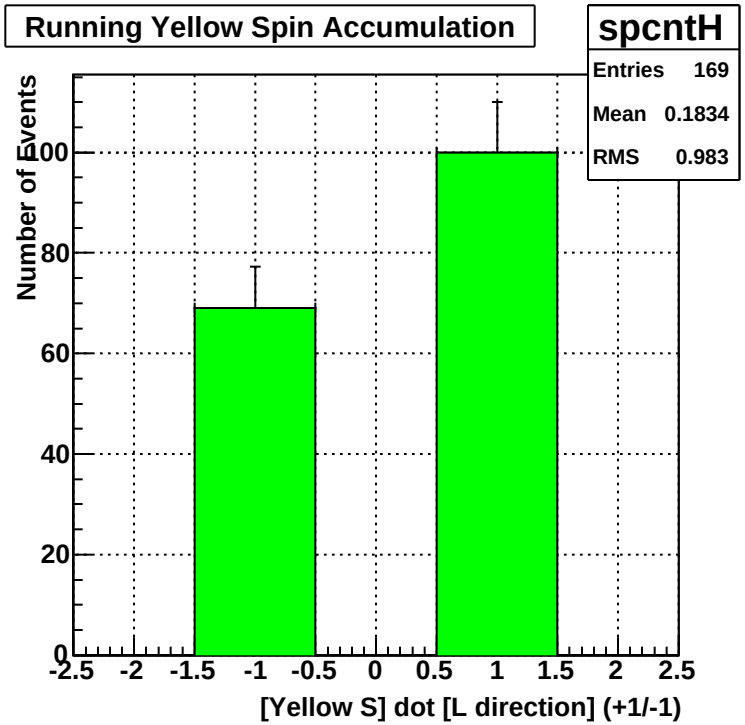
169) Rnum=7119092 EventN=200624 (1 Yu-N[+])

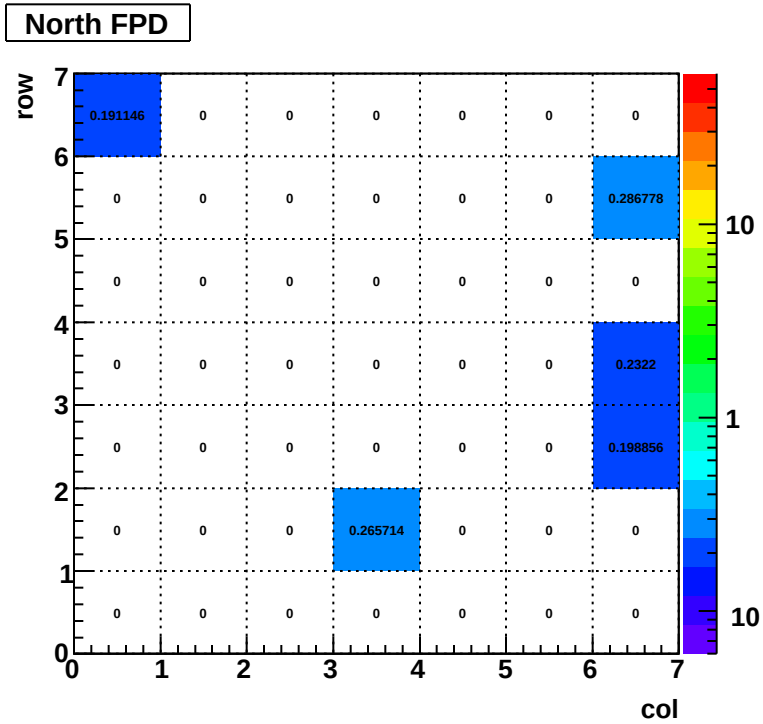
(1) Energy=38.241310 Y=-3.420576 Phi=0.043024

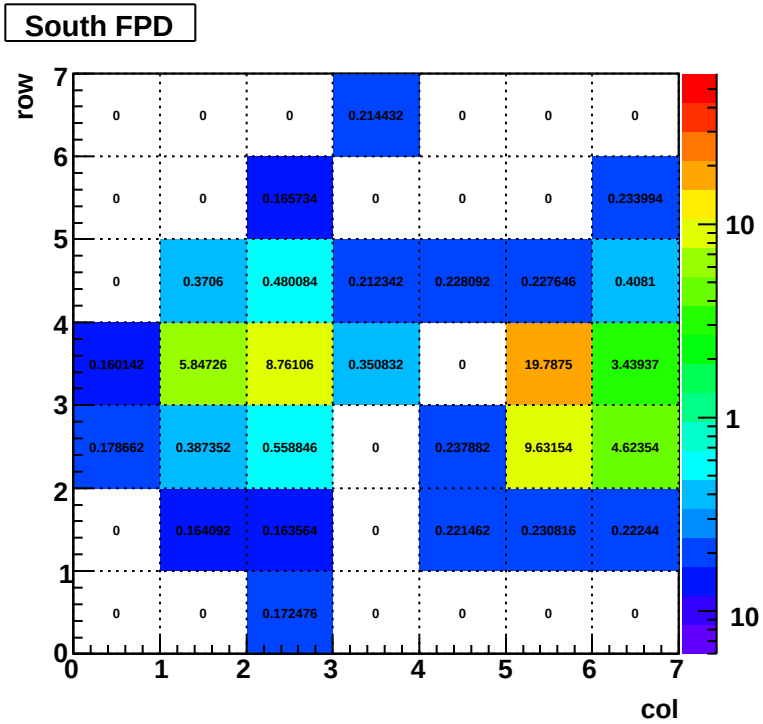
(2) Energy=18.023317 Y=-3.740663 Phi=0.016784

M12=0.471 Y12=-3.512 Phi12=0.036 E12=56.265

SumN(-) = 69 SumN(+)= 100 AN/.6=0.306







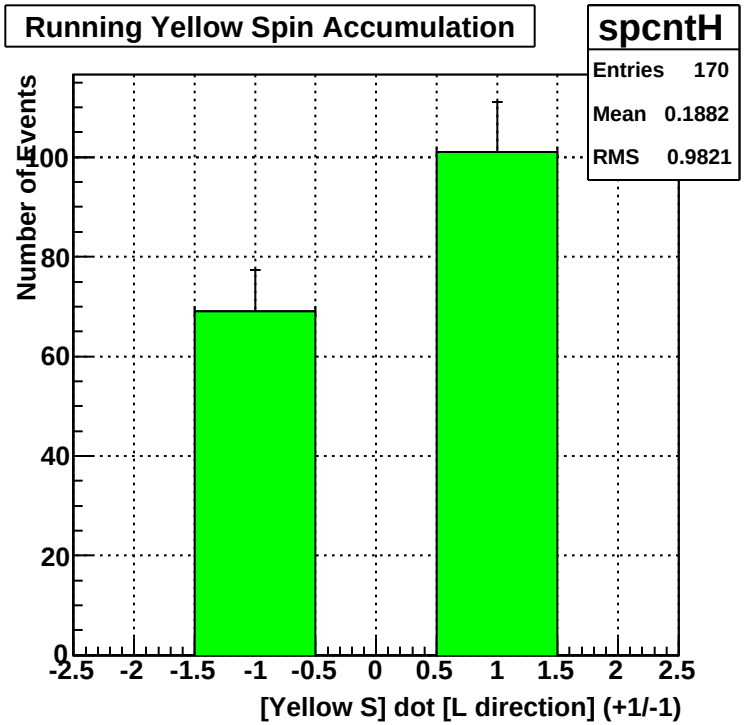
170) Rnum=7119092 EventN=1709033 (3 Yu-N[+])

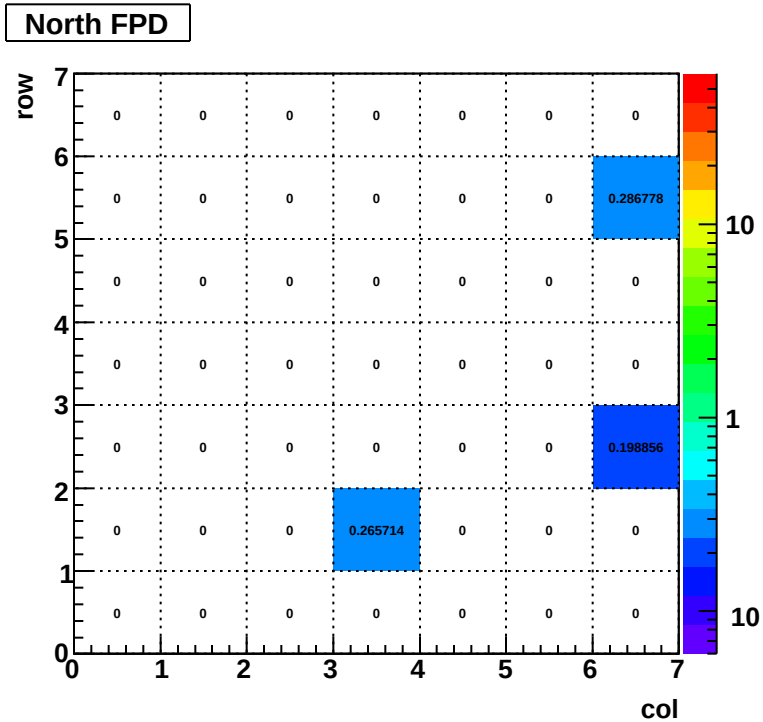
(1) Energy=45.282280 Y=-3.652717 Phi=-0.039293

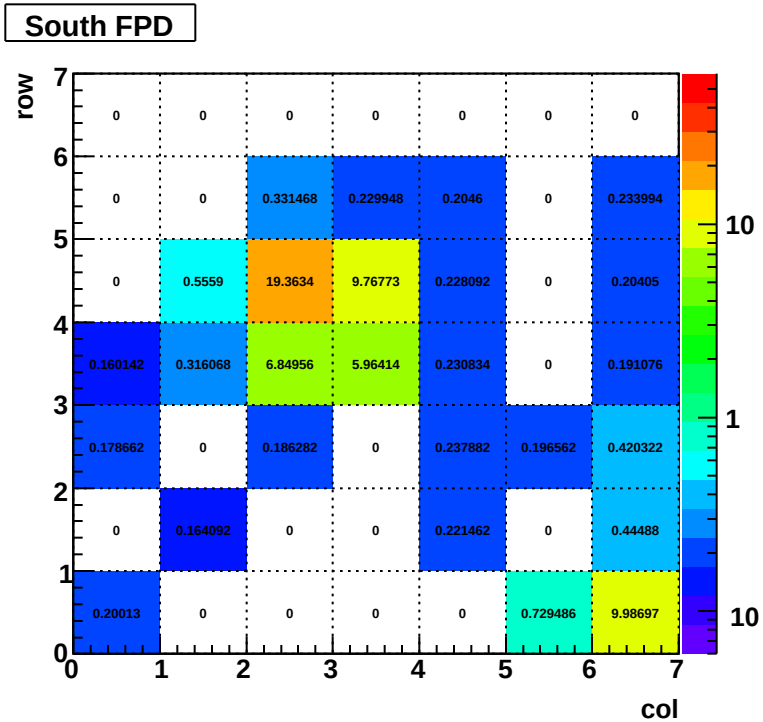
(2) Energy=14.249034 Y=-3.359099 Phi=0.211620

M12=0.589 Y12=-3.581 Phi12=0.035 E12=59.531

SumN(-) = 69 SumN(+)= 101 AN/.6=0.314







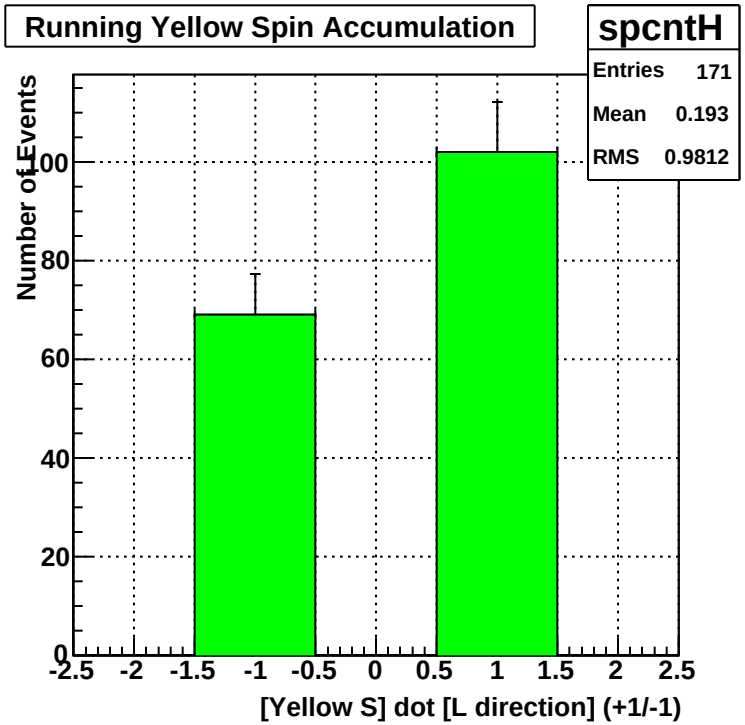
171) Rnum=7128001 EventN=2904390 (1 Yu-N[+])

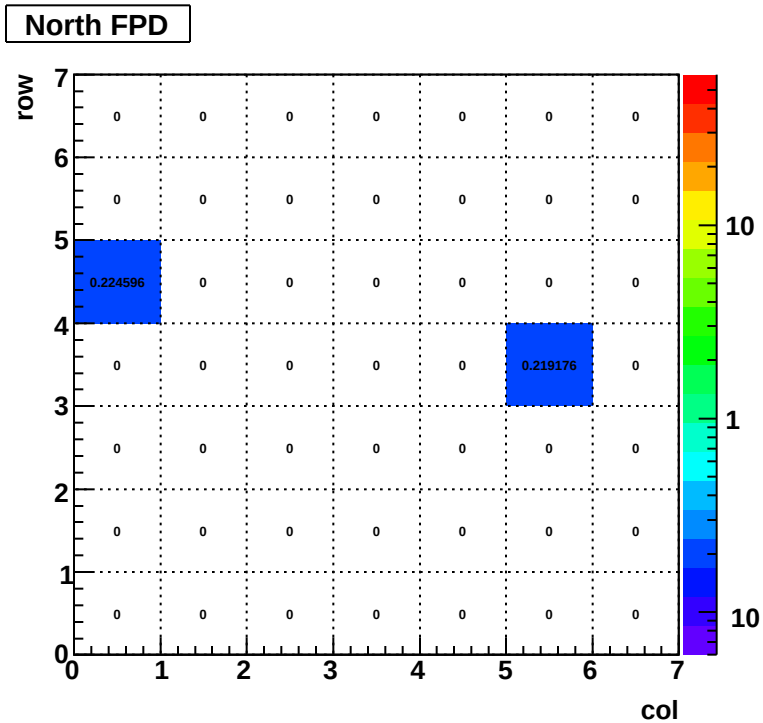
(1) Energy=25.556293 Y=-3.770634 Phi=0.050126

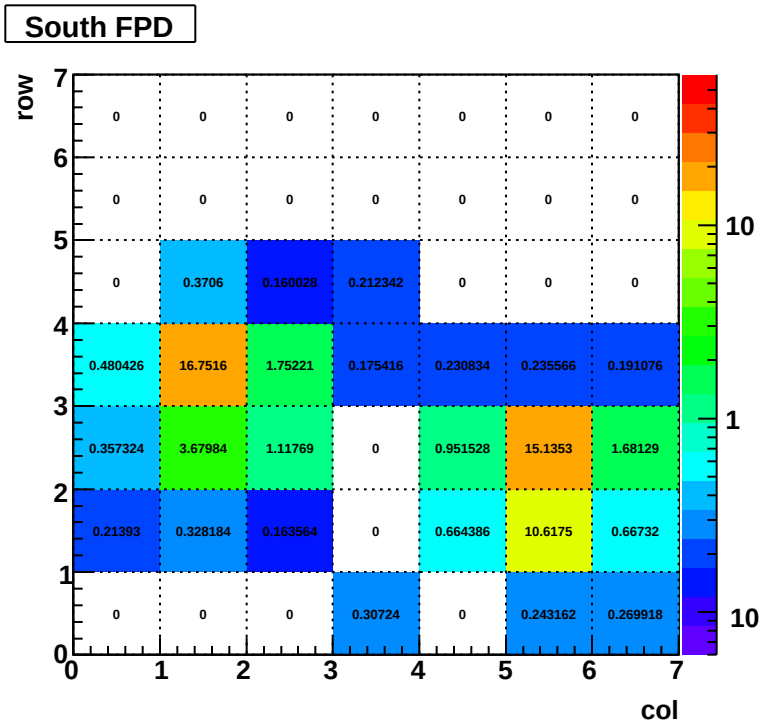
(2) Energy=30.872129 Y=-3.433882 Phi=0.118473

M12=0.528 Y12=-3.573 Phi12=0.093 E12=56.428

SumN(-) = 69 SumN(+)= 102 AN/.6=0.322







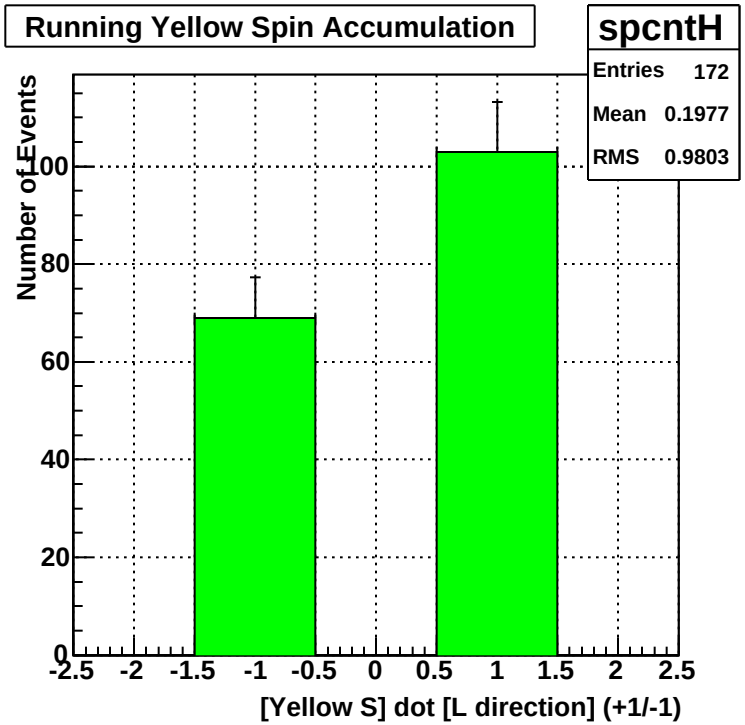
172) Rnum=7128001 EventN=4209897 (2 Yd-S[+])

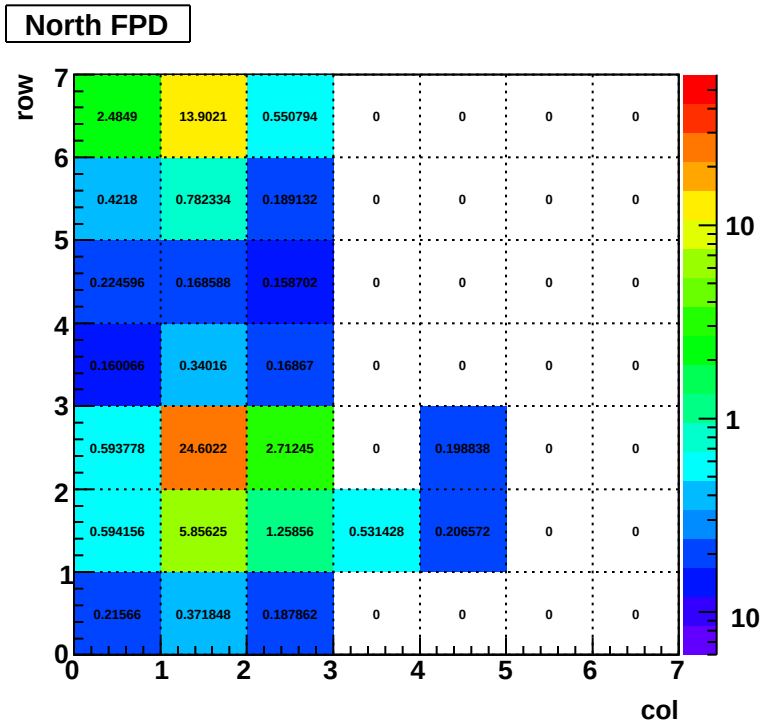
(1) Energy=37.728340 Y=-3.761161 Phi=2.989312

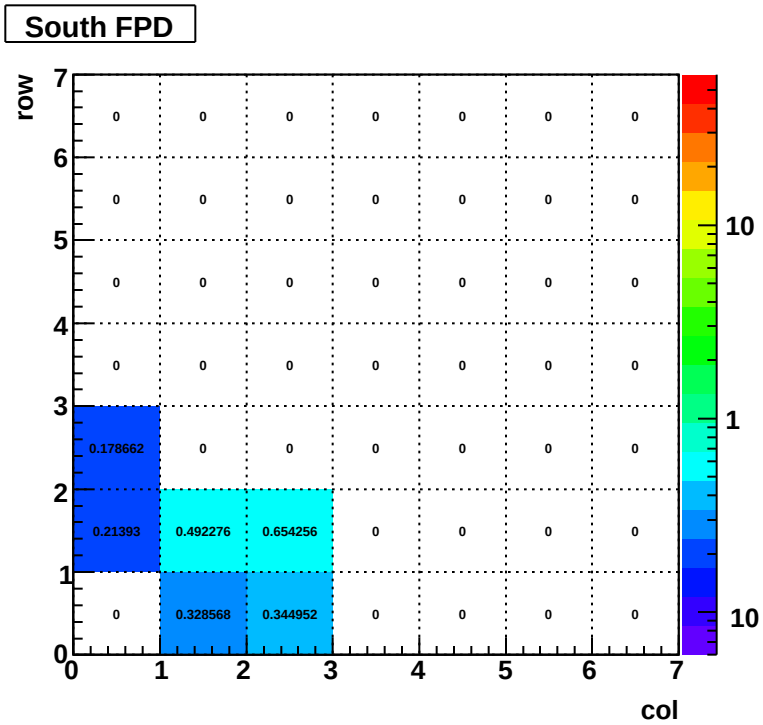
(2) Energy=19.573824 Y=-3.783076 Phi=-2.849960

M12=0.551 Y12=-3.791 Phi12=3.138 E12=57.302

SumN(-) = 69 SumN(+)= 103 AN/.6=0.329







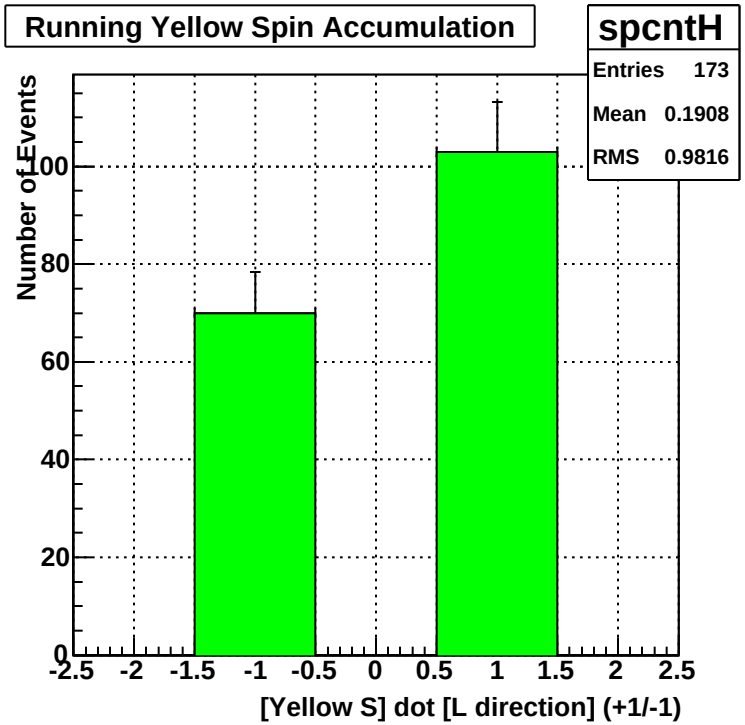
173) Rnum=7128001 EventN=101485 (1 Yu-S[-])

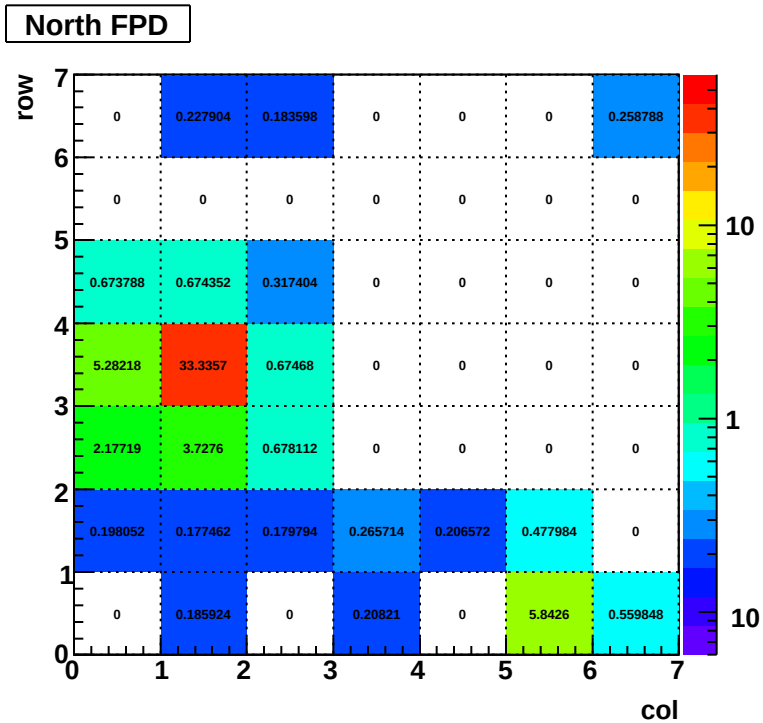
(1) Energy=48.708370 Y=-3.824480 Phi=3.099942

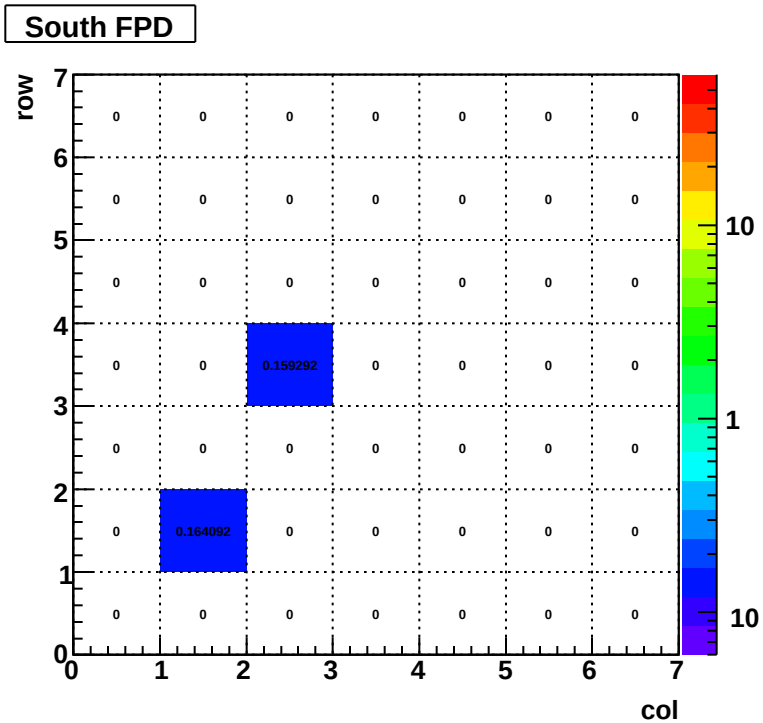
(2) Energy=7.816680 Y=-3.408955 Phi=2.927353

M12=0.474 Y12=-3.758 Phi12=3.066 E12=56.525

SumN(-) = 70 SumN(+)= 103 AN/.6=0.318







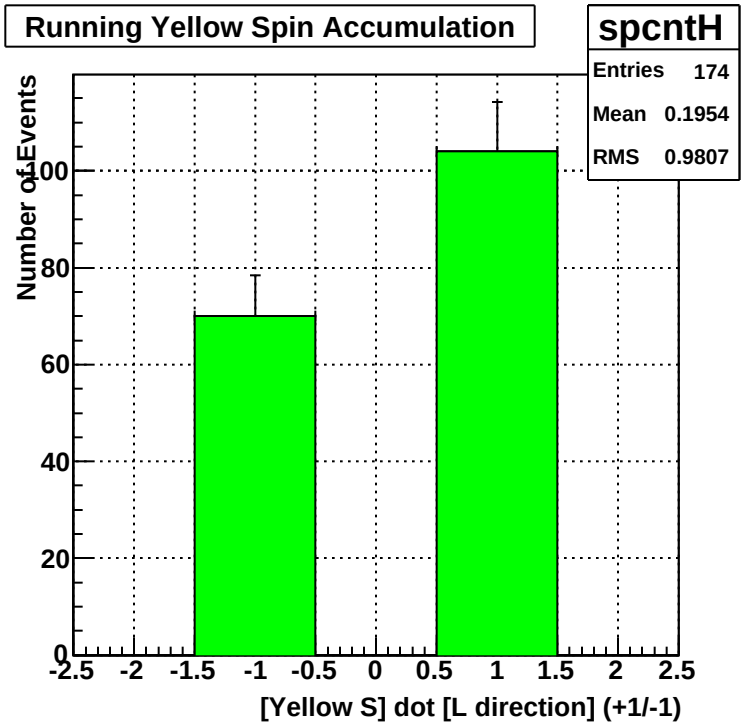
174) Rnum=7128001 EventN=8708917 (3 Yu-N[+])

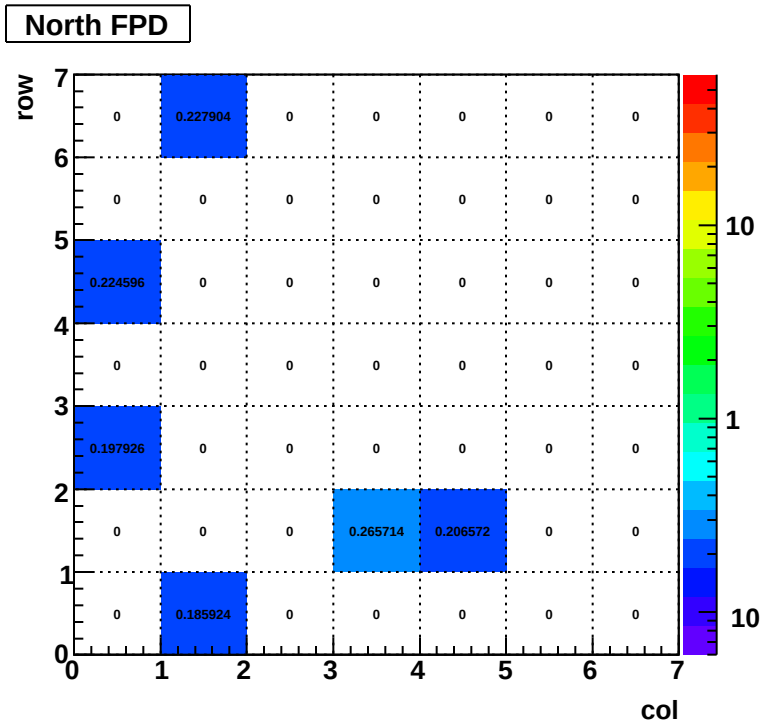
(1) Energy=37.337387 Y=-3.788259 Phi=0.131279

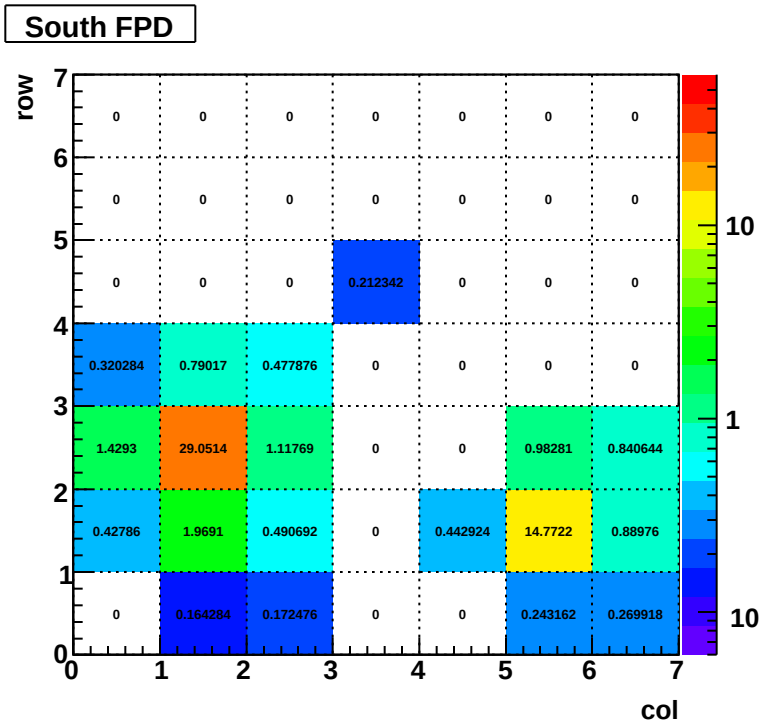
(2) Energy=19.248407 Y=-3.426443 Phi=0.145760

M12=0.529 Y12=-3.650 Phi12=0.137 E12=56.586

SumN(-) = 70 SumN(+)= 104 AN/.6=0.326







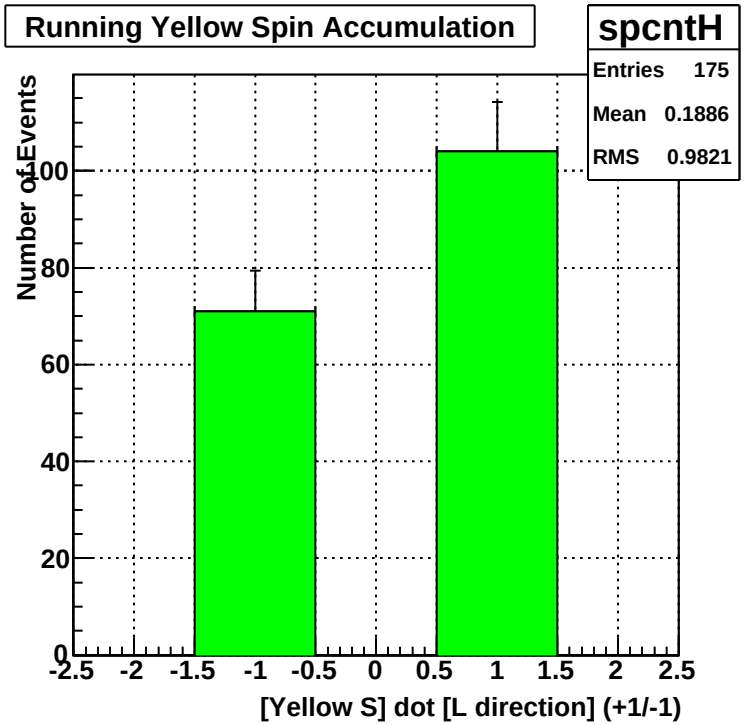
175) Rnum=7128001 EventN=609492 (3 Yu-S[-])

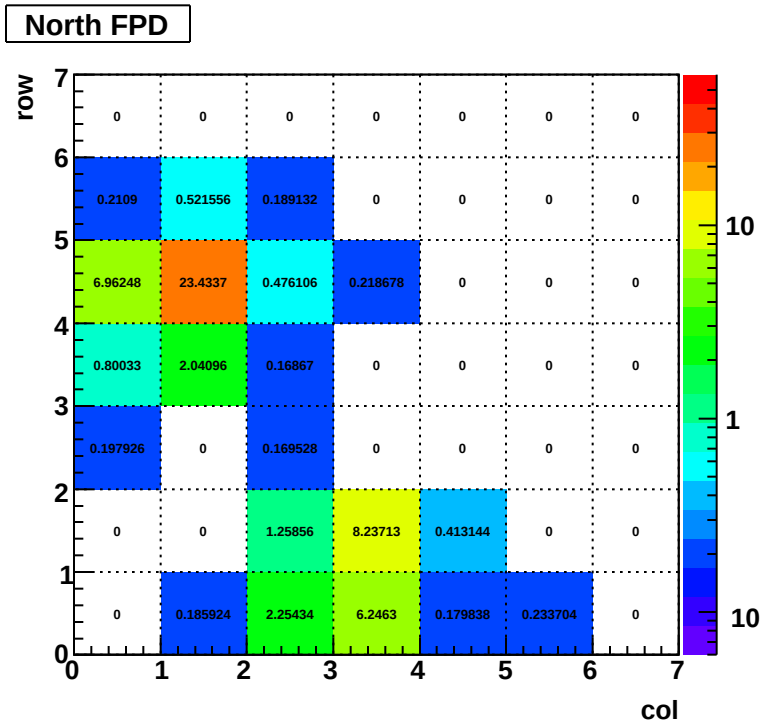
(1) Energy=36.100967 Y=-3.831095 Phi=-3.065660

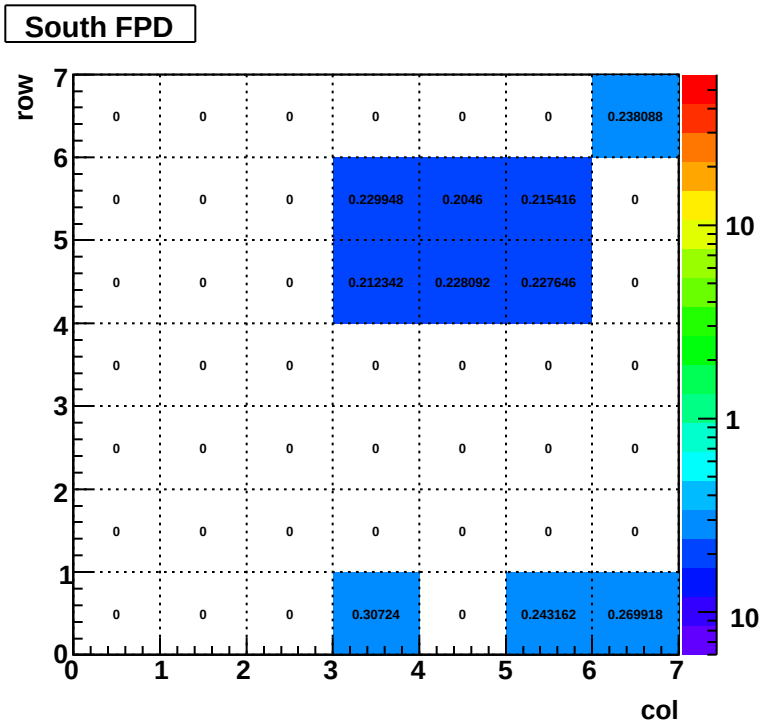
(2) Energy=19.017794 Y=-3.605942 Phi=2.911420

M12=0.482 Y12=-3.759 Phi12=3.096 E12=55.119

SumN(-) = 71 SumN(+)= 104 AN/.6=0.314







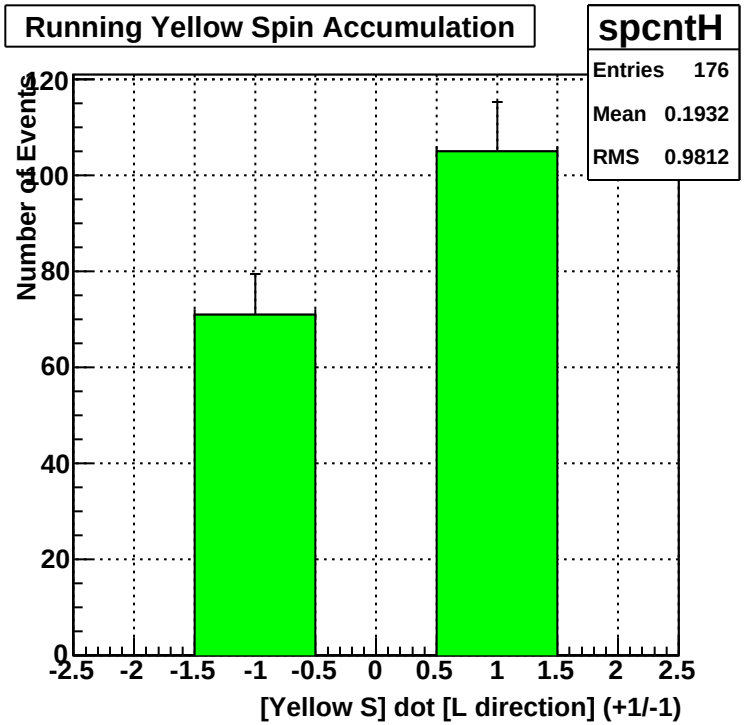
176) Rnum=7128001 EventN=8908164 (1 Yu-N[+])

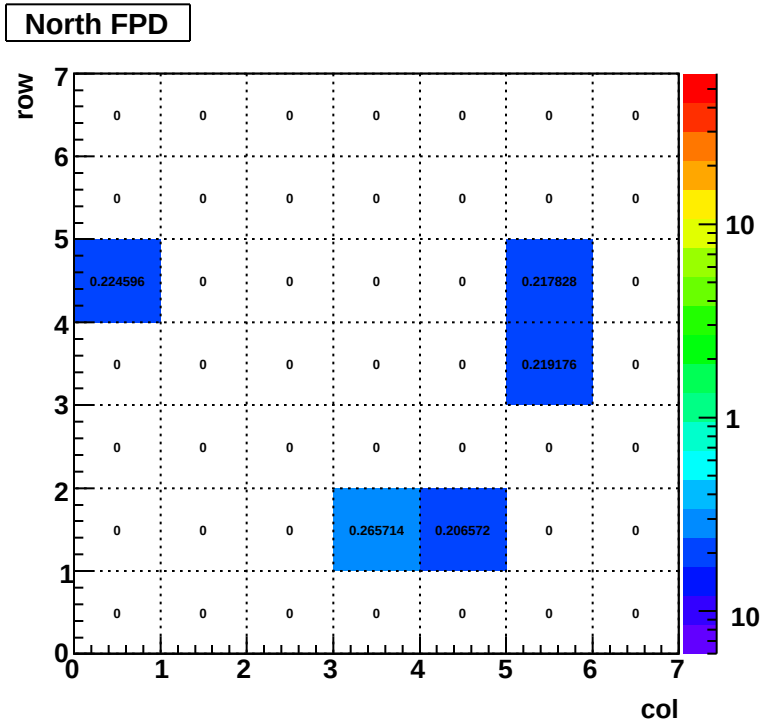
(1) Energy=27.773710 Y=-3.660413 Phi=0.201791

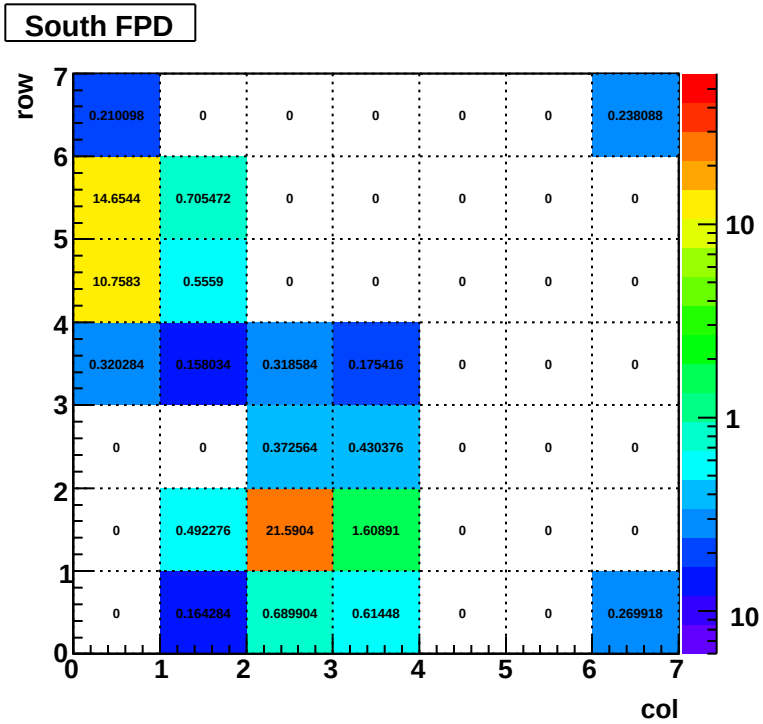
(2) Energy=30.220840 Y=-3.898733 Phi=-0.160348

M12=0.571 Y12=-3.794 Phi12=0.035 E12=57.995

SumN(-) = 71 SumN(+)= 105 AN/.6=0.322







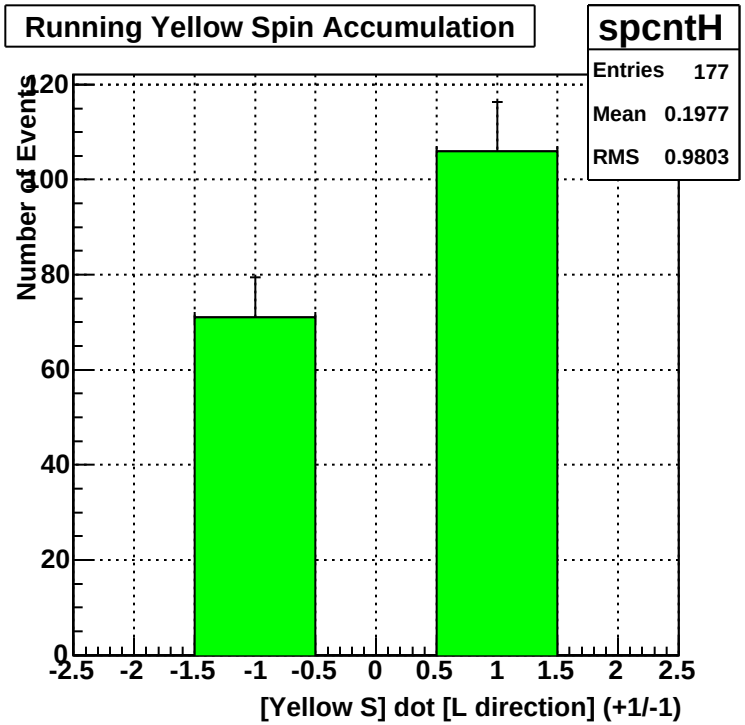
177) Rnum=7128001 EventN=1806611 (2 Yd-S[+])

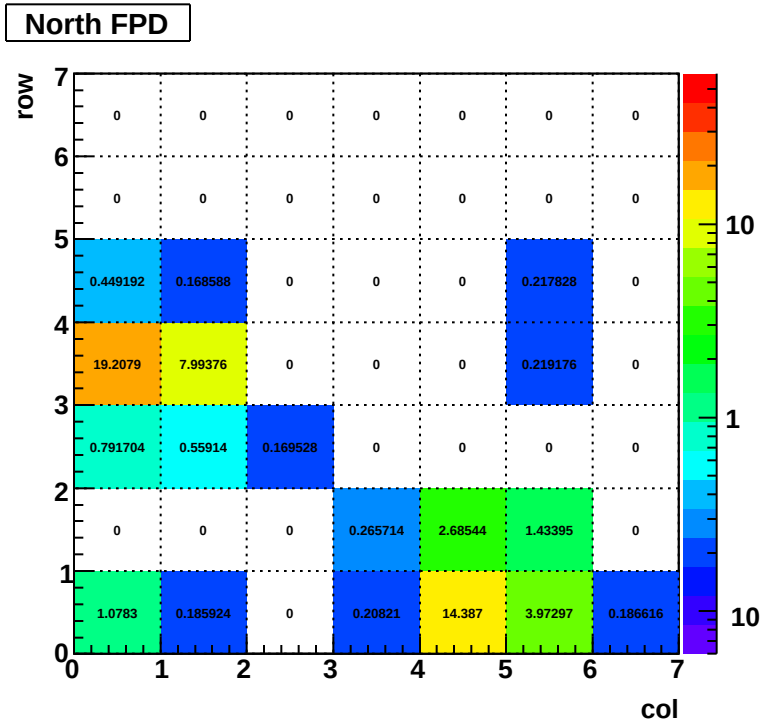
(1) Energy=31.441589 Y=-3.856797 Phi=3.115819

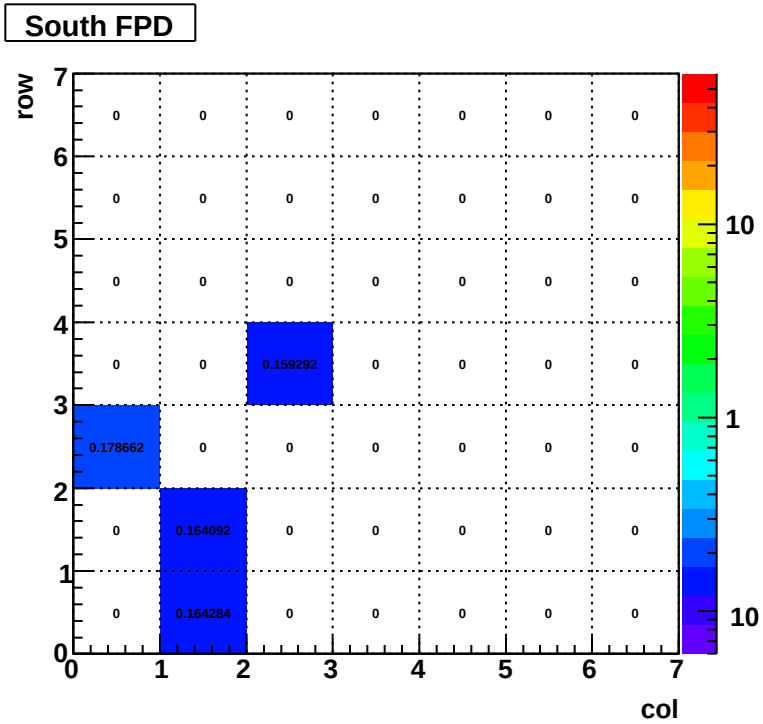
(2) Energy=24.442038 Y=-3.469048 Phi=2.926227

M12=0.616 Y12=-3.673 Phi12=3.015 E12=55.884

SumN(-) = 71 SumN(+)= 106 AN/.6=0.330







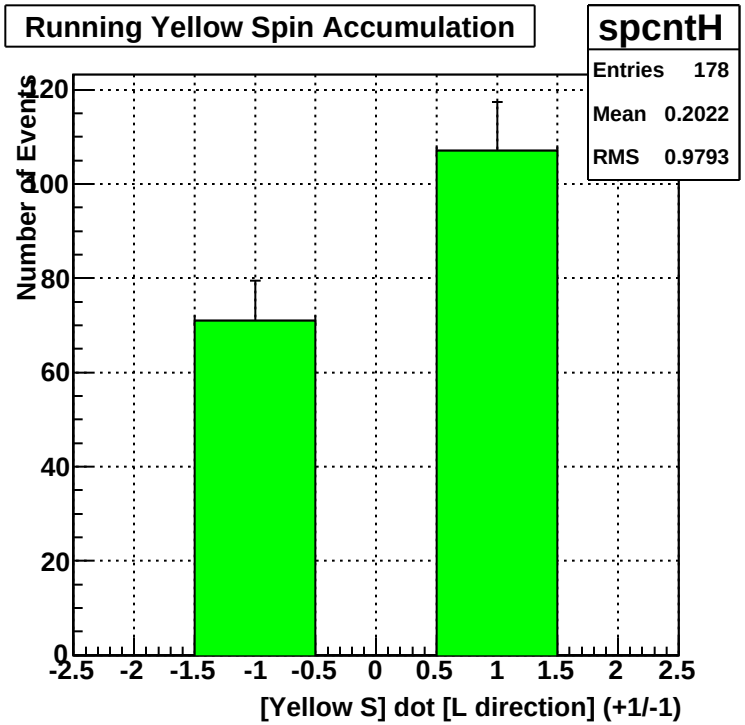
178) Rnum=7128002 EventN=1800508 (3 Yu-N[+])

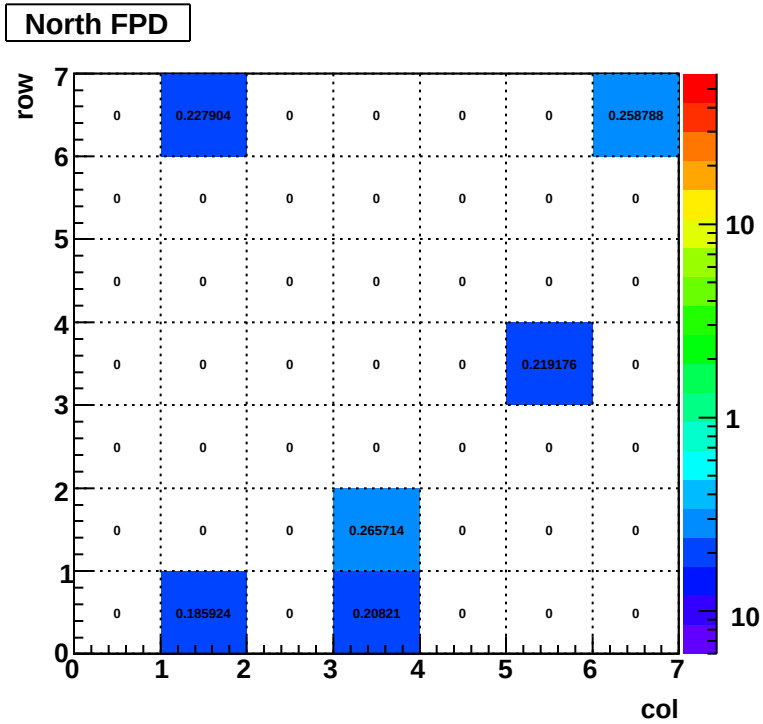
(1) Energy=30.485823 Y=-3.892061 Phi=-0.111621

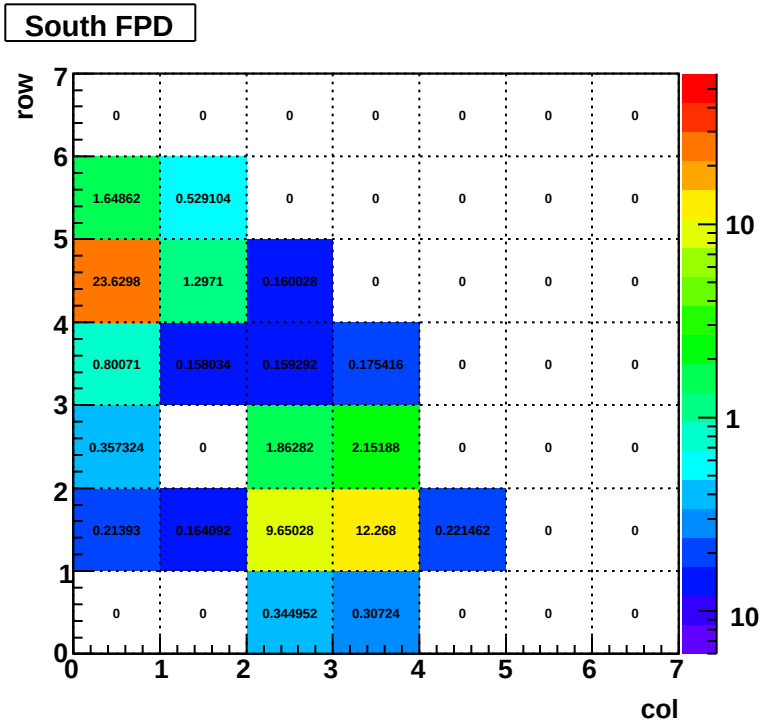
(2) Energy=28.211658 Y=-3.633315 Phi=0.167041

M12=0.518 Y12=-3.769 Phi12=0.040 E12=58.697

SumN(-) = 71 SumN(+)= 107 AN/.6=0.337







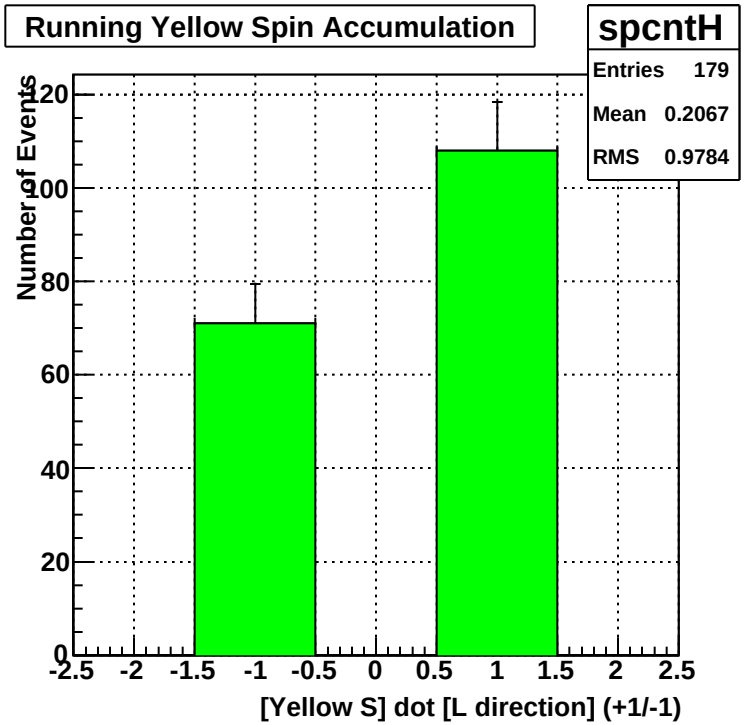
179) Rnum=7128005 EventN=4400250 (1 Yu-N[+])

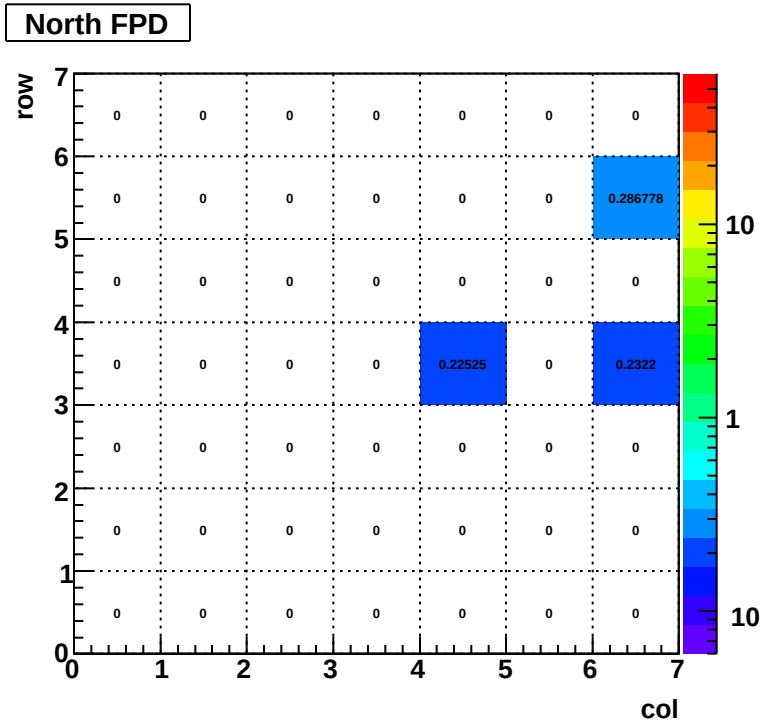
(1) Energy=33.926964 Y=-3.449440 Phi=-0.059882

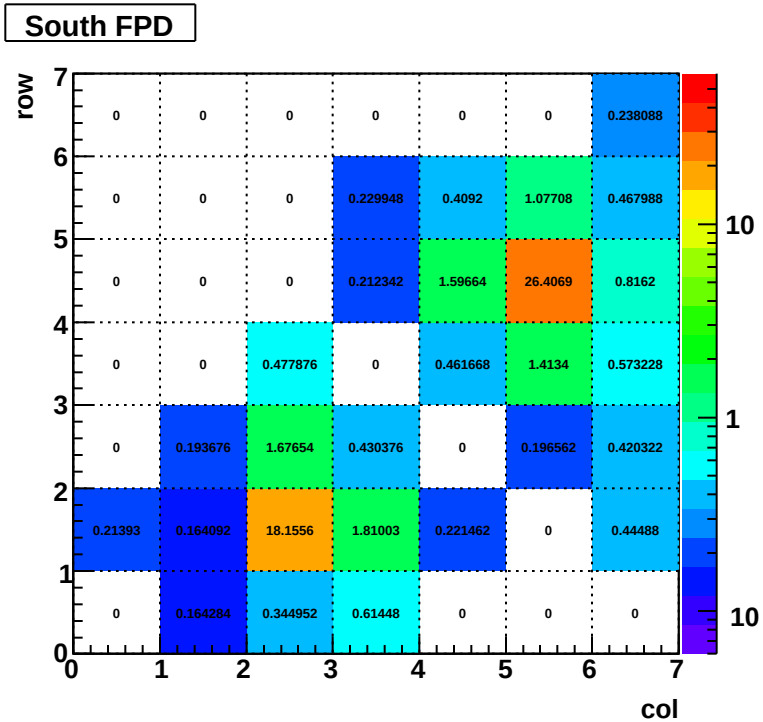
(2) Energy=24.512863 Y=-3.659176 Phi=0.181335

M12=0.527 Y12=-3.539 Phi12=0.029 E12=58.440

SumN(-) = 71 SumN(+)= 108 AN/.6=0.345







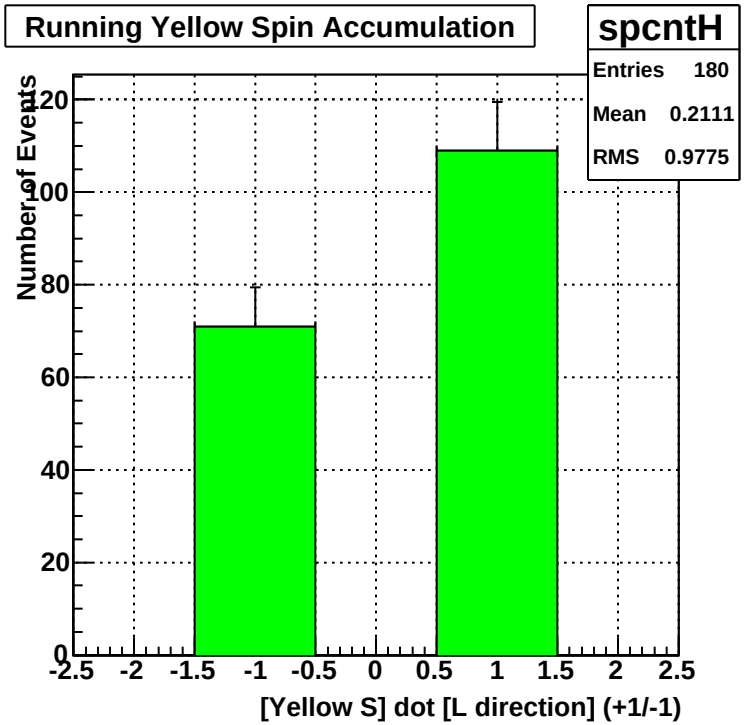
180) Rnum=7128005 EventN=4409829 (3 Yu-N[+])

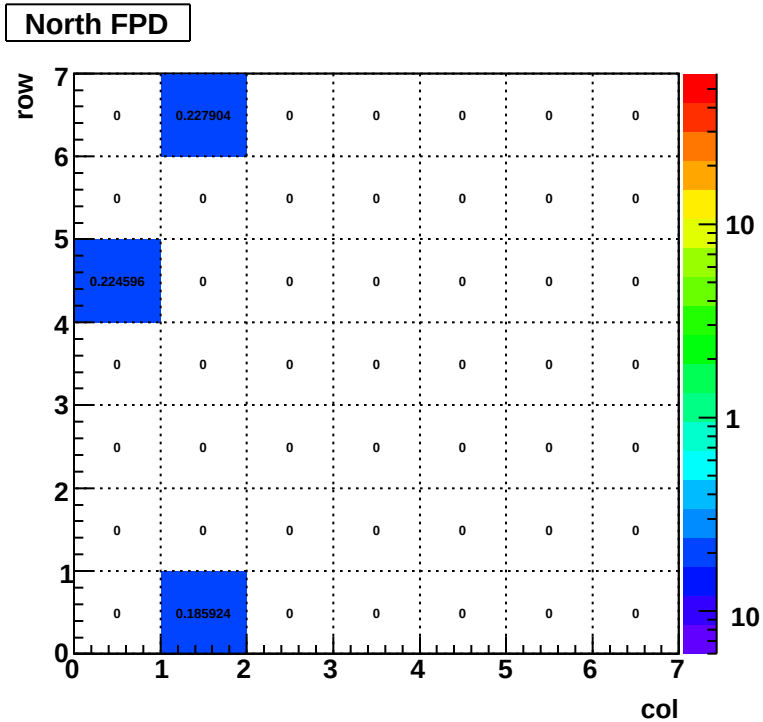
(1) Energy=36.174000 Y=-3.870948 Phi=0.073493

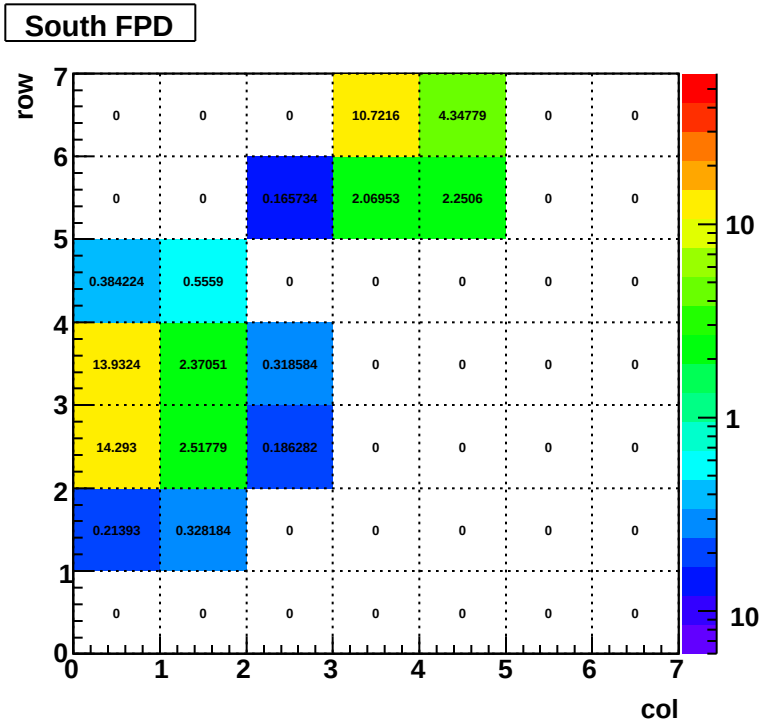
(2) Energy=20.863194 Y=-3.546847 Phi=-0.205868

M12=0.576 Y12=-3.750 Phi12=-0.050 E12=57.037

SumN(-) = 71 SumN(+)= 109 AN/.6=0.352







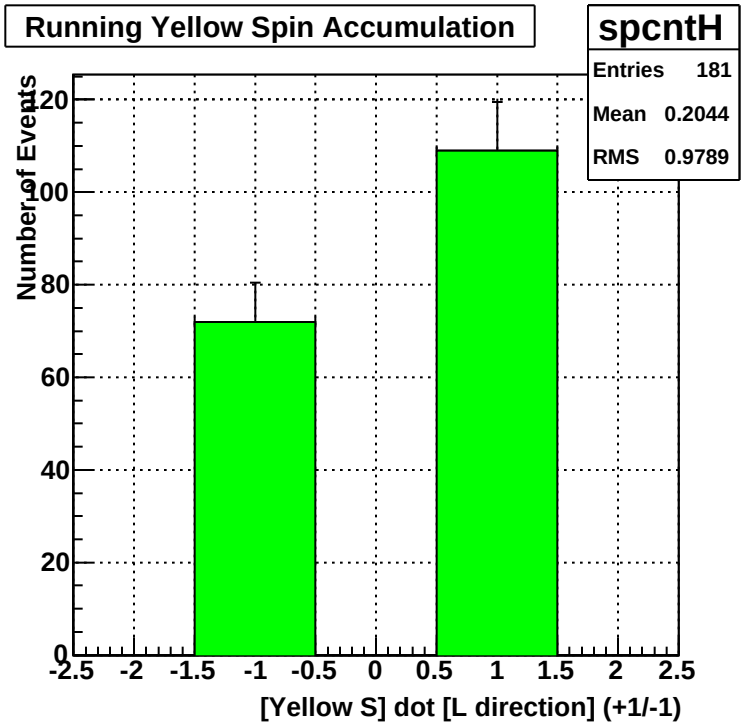
181) Rnum=7128005 EventN=5708903 (2 Yd-N[-])

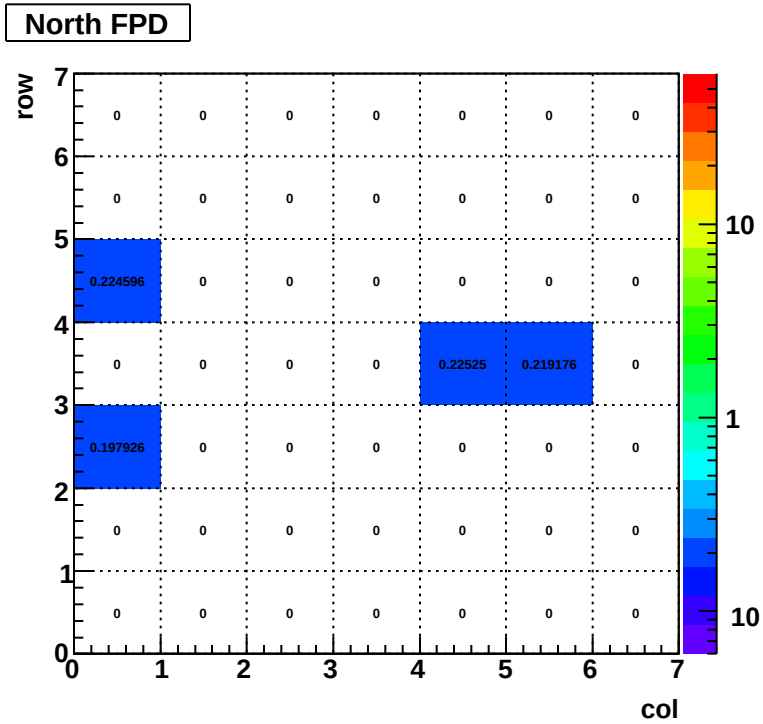
(1) Energy=25.273951 Y=-3.490279 Phi=-0.140685

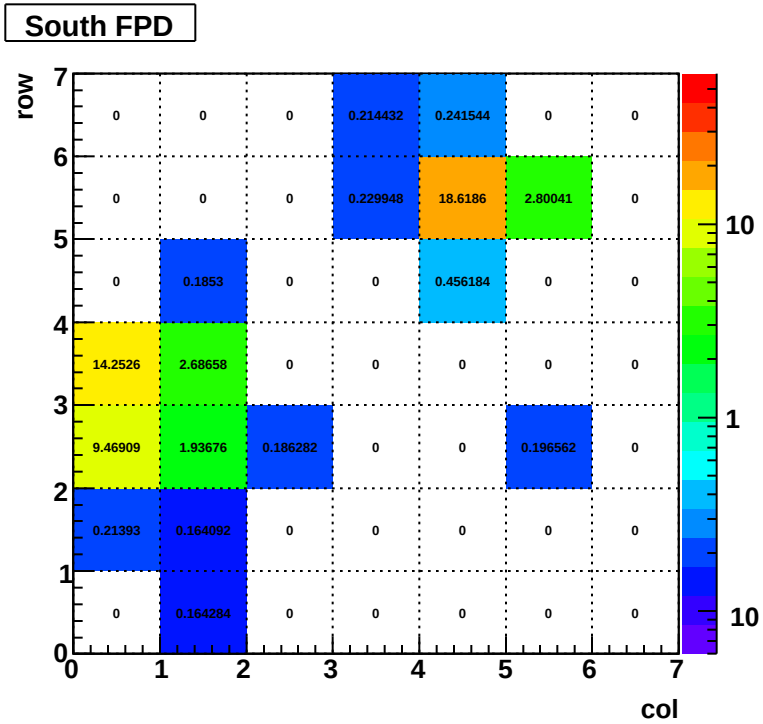
(2) Energy=30.793251 Y=-3.868866 Phi=0.069696

M12=0.612 Y12=-3.686 Phi12=-0.045 E12=56.067

SumN(-) = 72 SumN(+)= 109 AN/.6=0.341







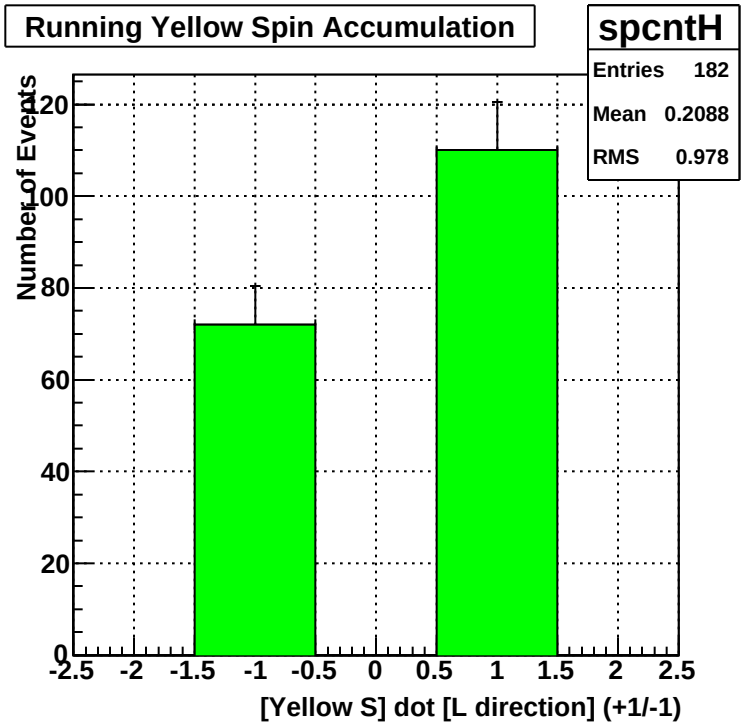
182) Rnum=7128005 EventN=9008646 (2 Yd-S[+])

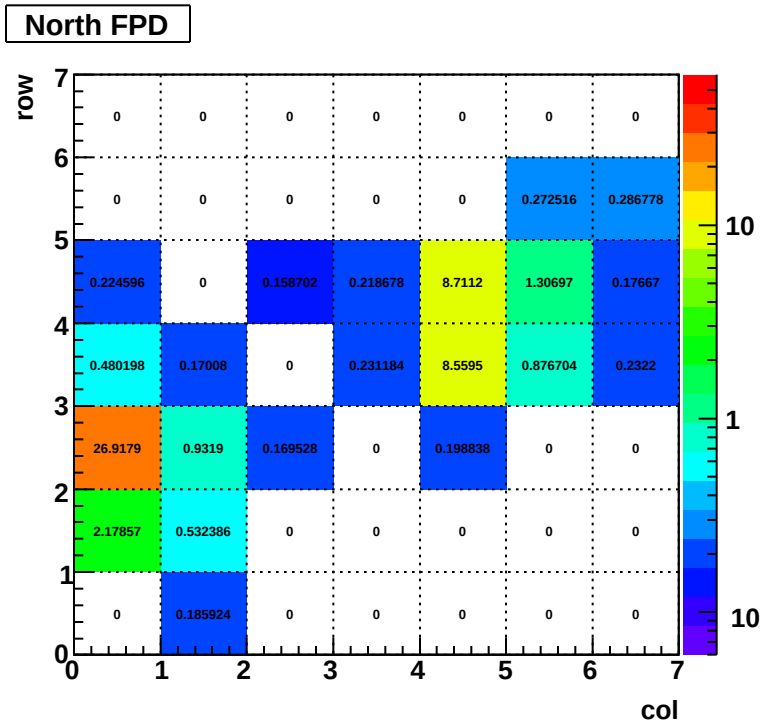
(1) Energy=35.069099 Y=-3.900101 Phi=2.988422

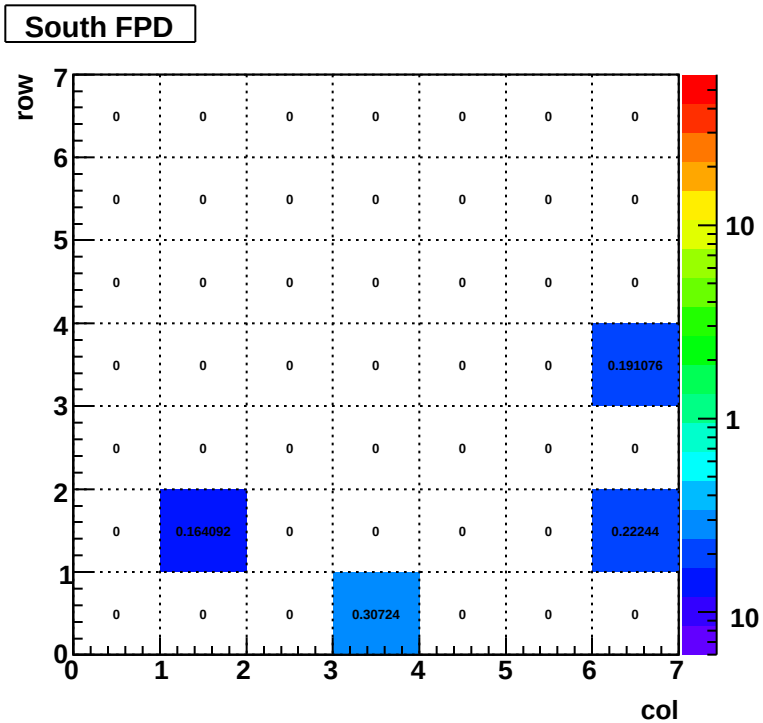
(2) Energy=21.000704 Y=-3.505074 Phi=-3.113760

M12=0.584 Y12=-3.737 Phi12=3.074 E12=56.070

SumN(-) = 72 SumN(+)= 110 AN/.6=0.348







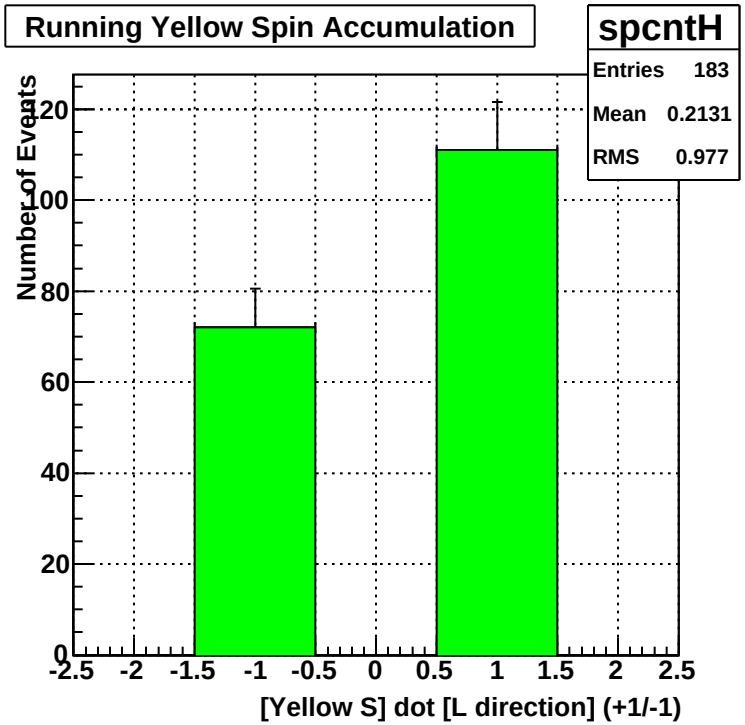
183) Rnum=7128005 EventN=9206699 (3 Yu-N[+])

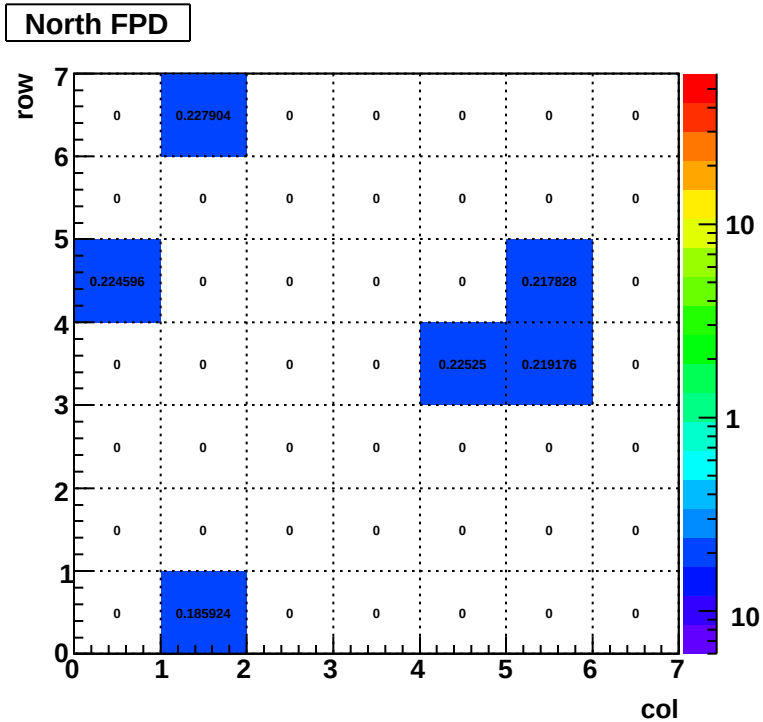
(1) Energy=46.034527 Y=-3.767893 Phi=-0.066554

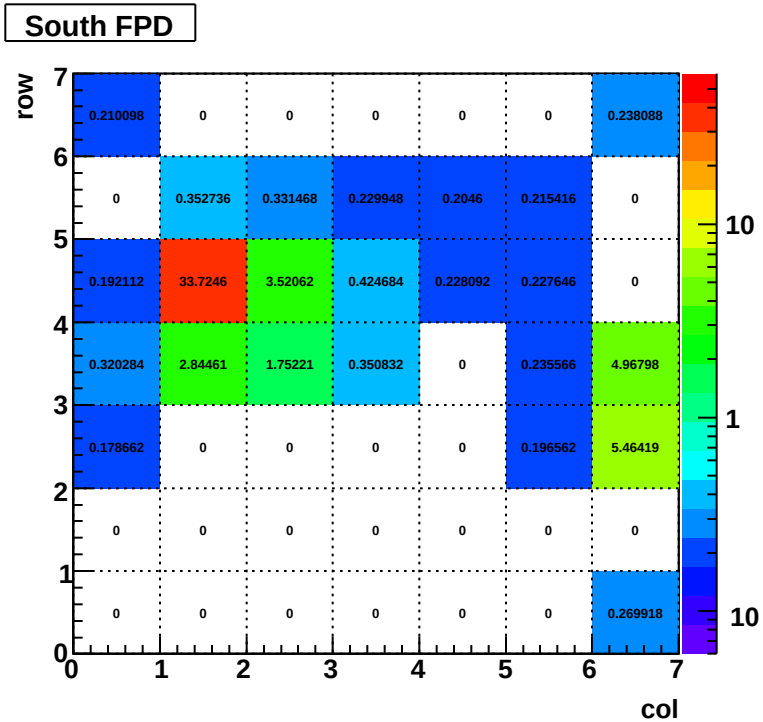
(2) Energy=12.500661 Y=-3.365759 Phi=0.044631

M12=0.569 Y12=-3.669 Phi12=-0.034 E12=58.535

SumN(-) = 72 SumN(+)= 111 AN/.6=0.355







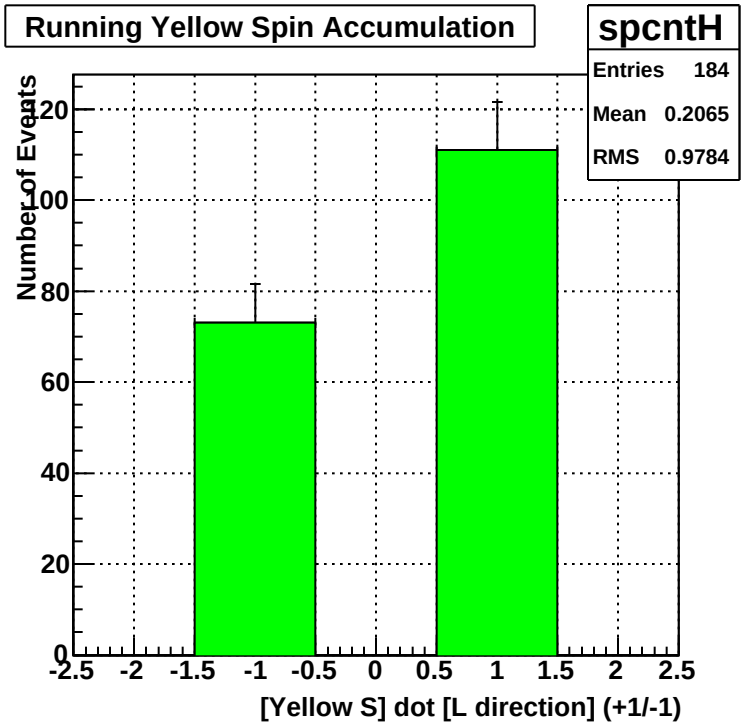
184) Rnum=7128005 EventN=1507886 (1 Yu-S[-])

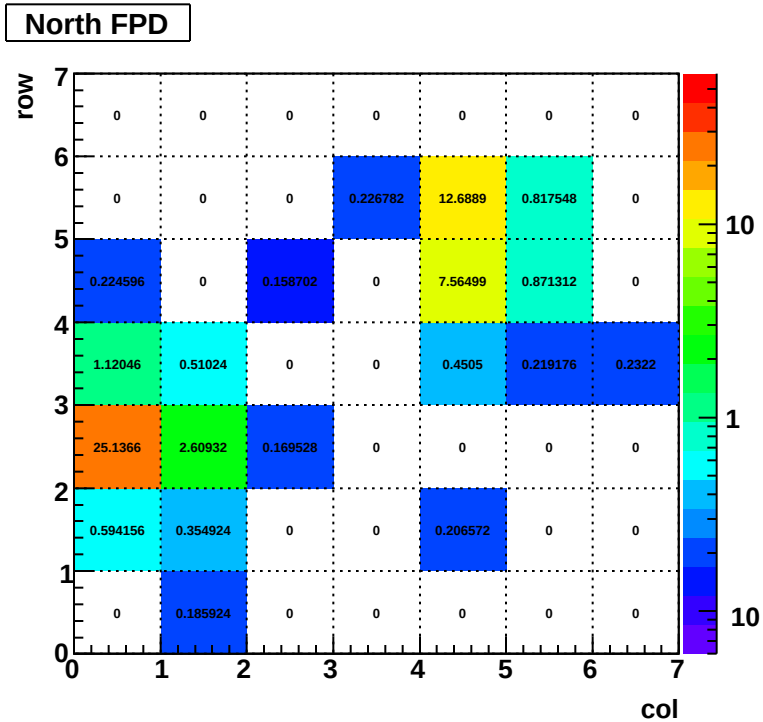
(1) Energy=33.069916 Y=-3.874201 Phi=3.017831

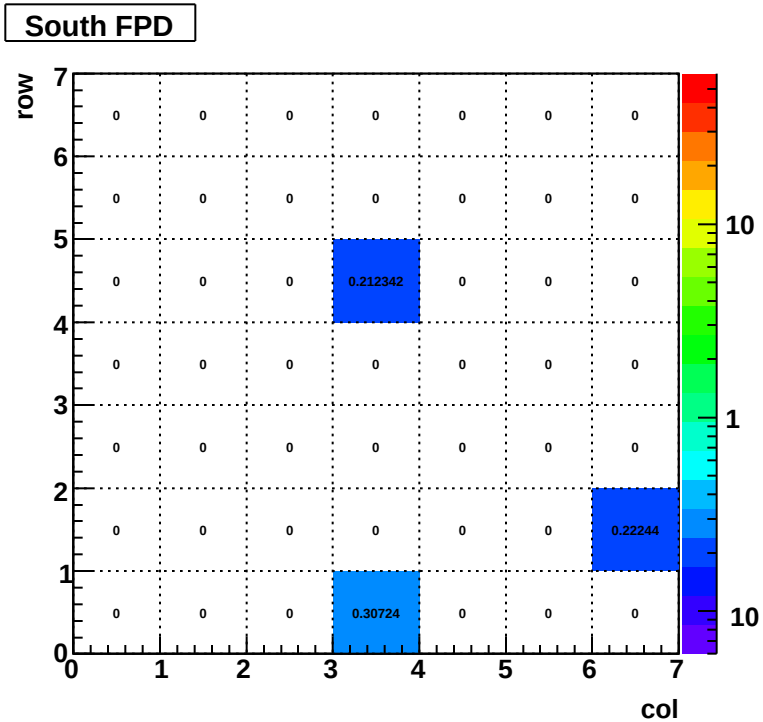
(2) Energy=24.160570 Y=-3.506240 Phi=-3.032253

M12=0.617 Y12=-3.709 Phi12=3.138 E12=57.230

SumN(-) = 73 SumN(+)= 111 AN/.6=0.344







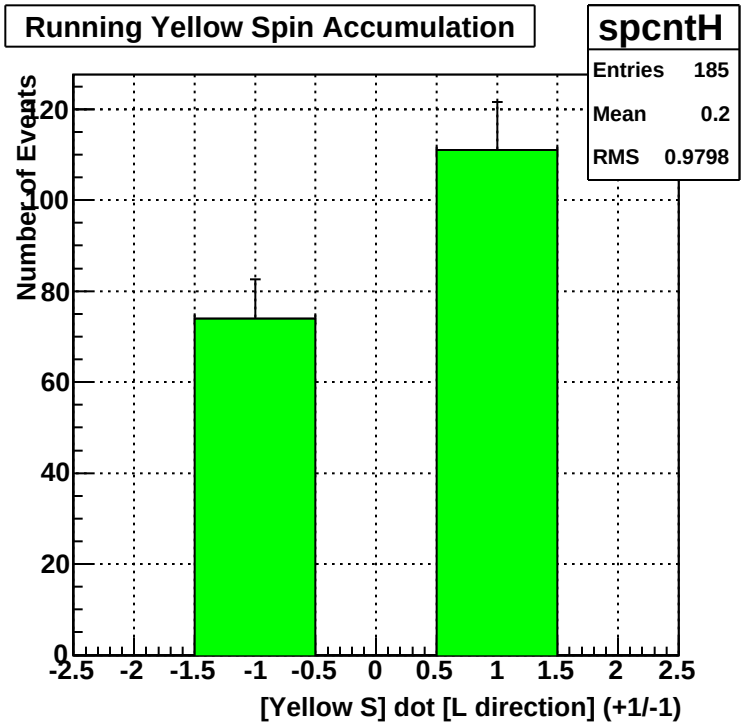
185) Rnum=7128006 EventN=5802937 (1 Yu-S[-])

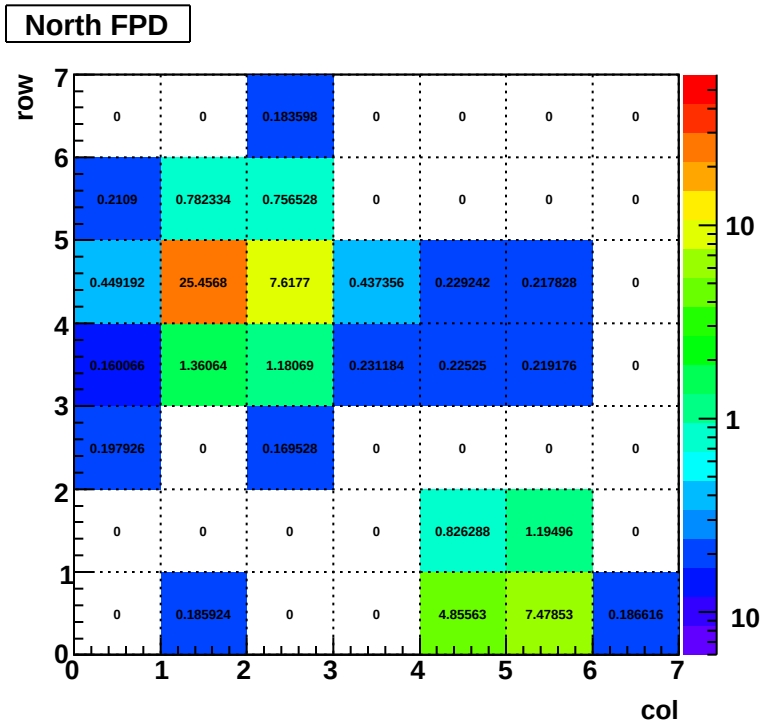
(1) Energy=39.477245 Y=-3.752203 Phi=-3.063680

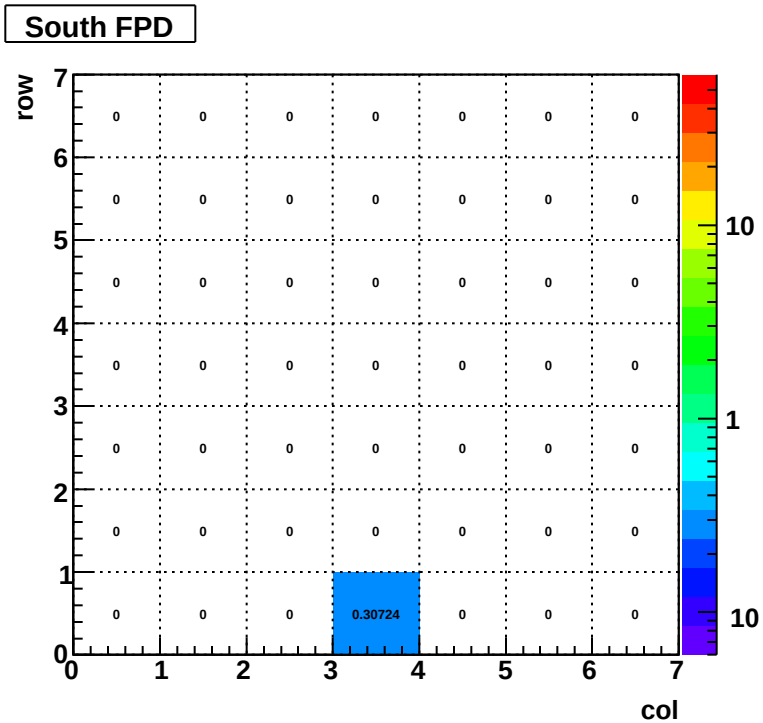
(2) Energy=15.620771 Y=-3.456629 Phi=2.924272

M12=0.564 Y12=-3.669 Phi12=3.117 E12=55.098

SumN(-) = 74 SumN(+)= 111 AN/.6=0.333







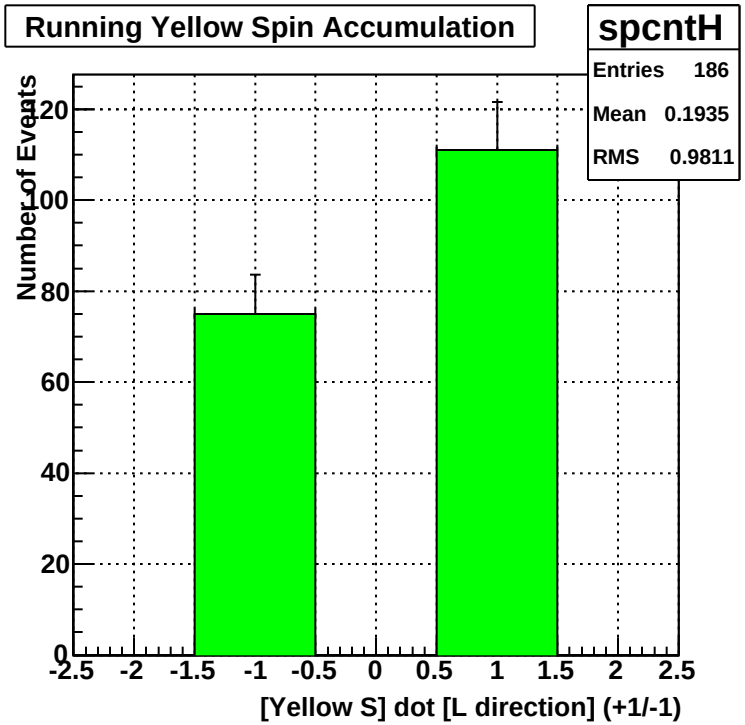
186) Rnum=7128006 EventN=8307318 (2 Yd-N[-])

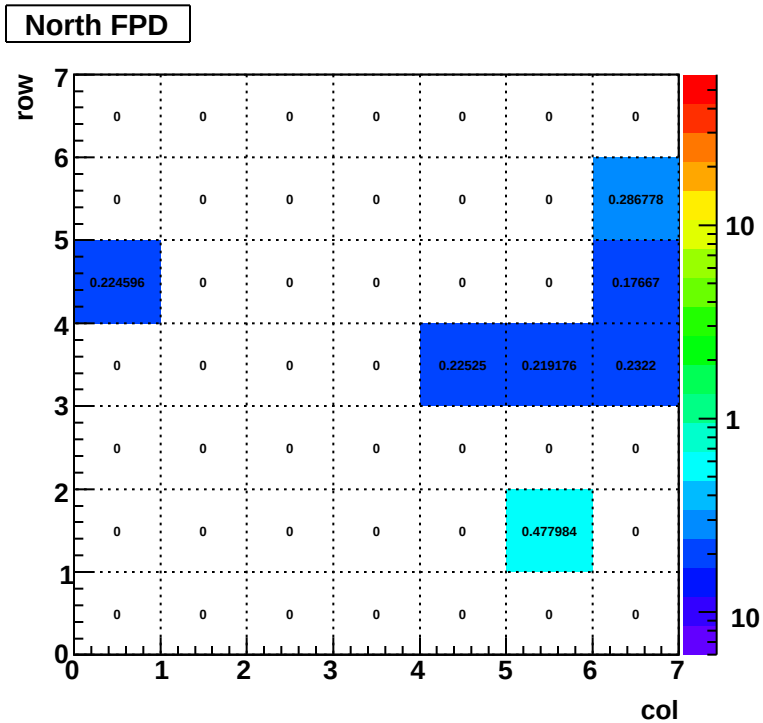
(1) Energy=43.960125 Y=-3.569435 Phi=0.060609

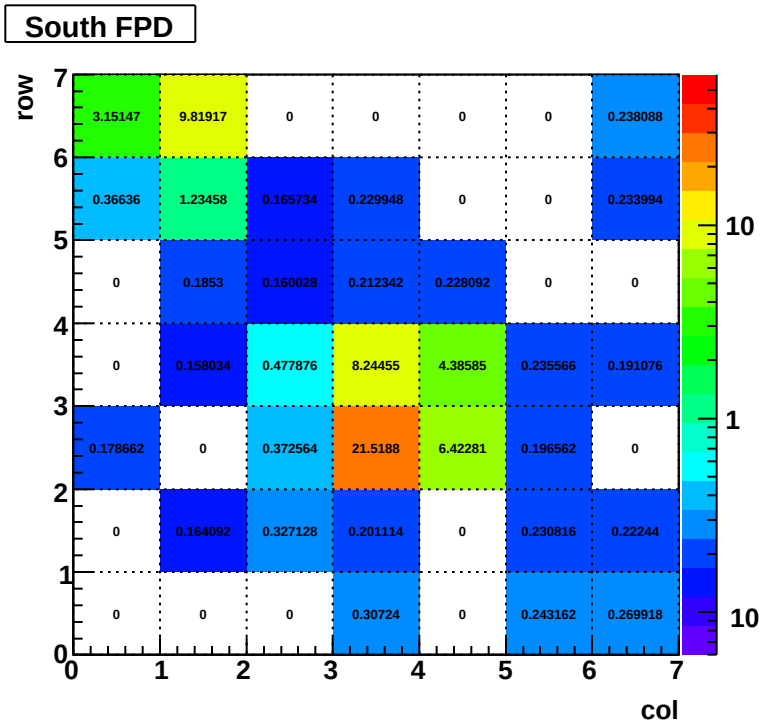
(2) Energy=15.847044 Y=-3.795522 Phi=-0.281889

M12=0.543 Y12=-3.635 Phi12=-0.015 E12=59.807

SumN(-) = 75 SumN(+)= 111 AN/.6=0.323







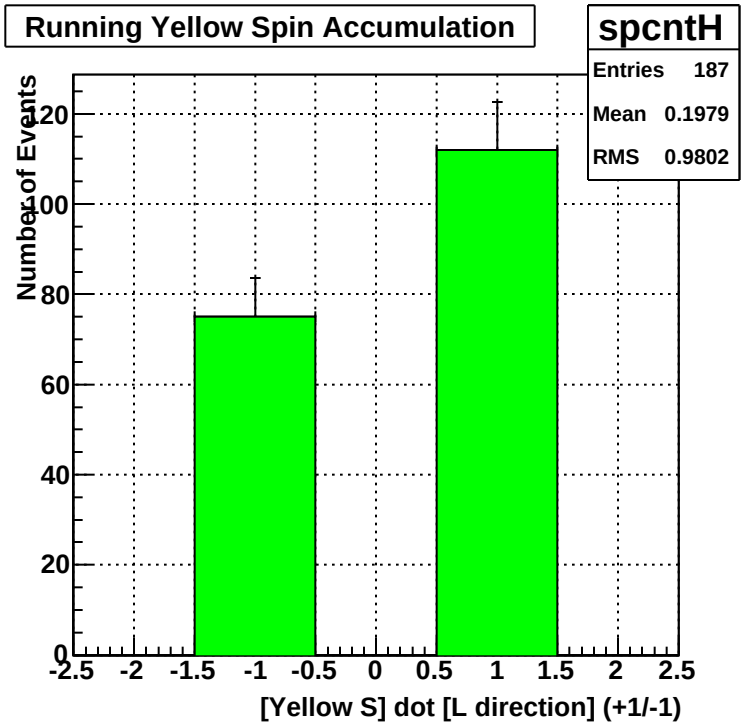
187) Rnum=7128013 EventN=4805473 (2 Yd-S[+])

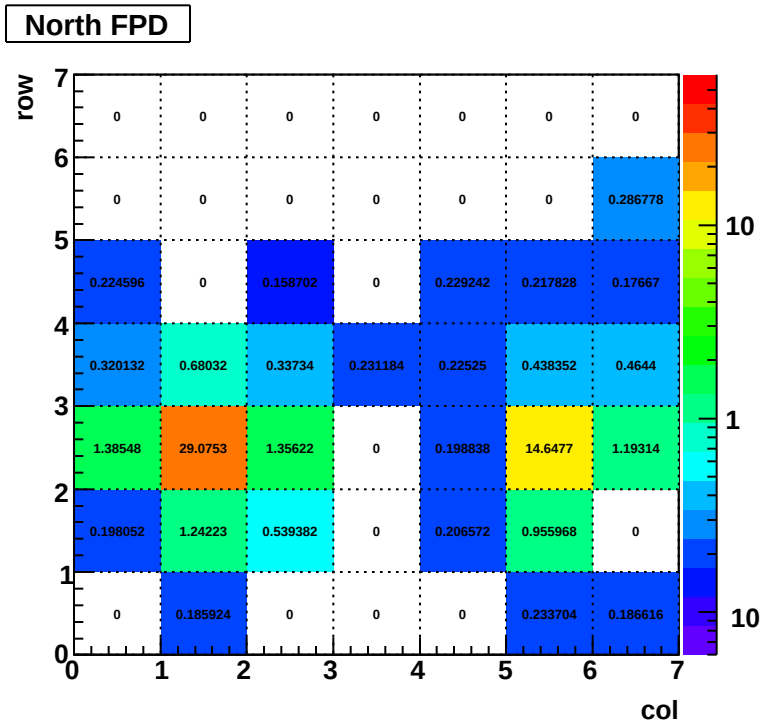
(1) Energy=36.911716 Y=-3.784981 Phi=3.016998

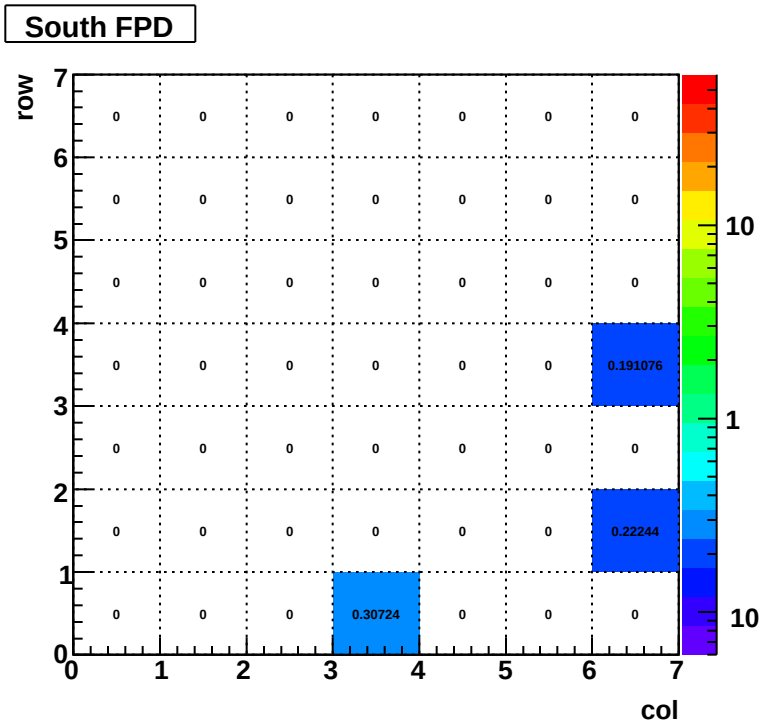
(2) Energy=19.213253 Y=-3.428939 Phi=3.051158

M12=0.519 Y12=-3.649 Phi12=3.032 E12=56.125

SumN(-) = 75 SumN(+)= 112 AN/.6=0.330







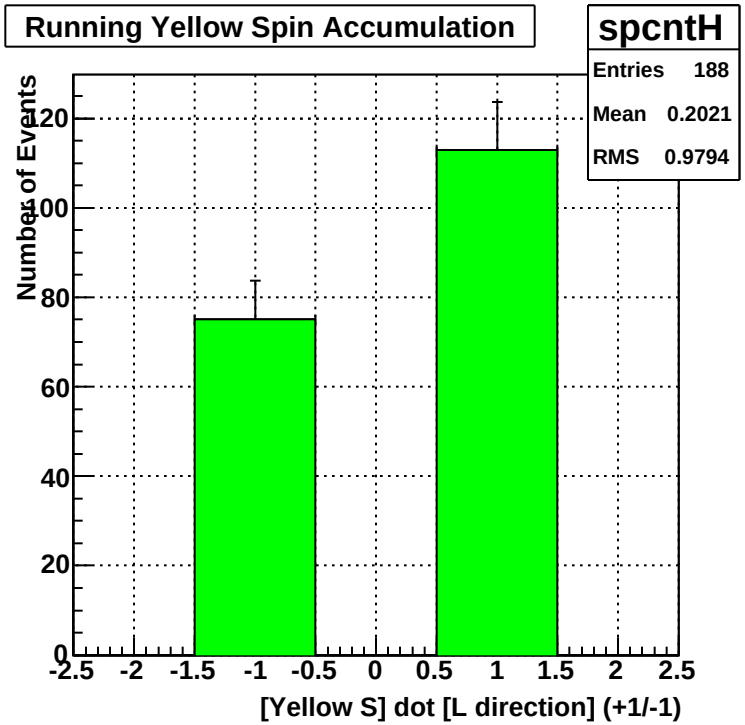
188) Rnum=7128013 EventN=6406511 (2 Yd-S[+])

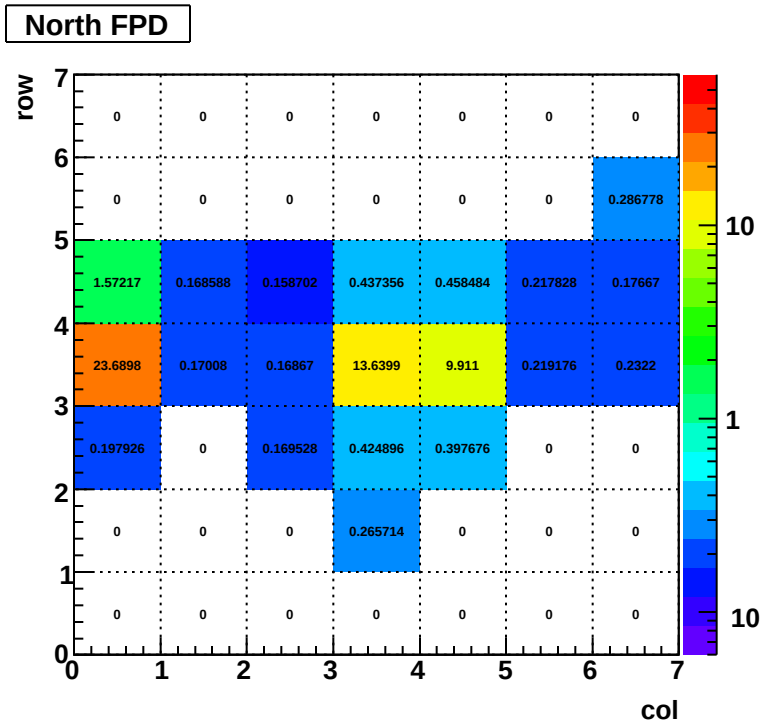
(1) Energy=29.410028 Y=-3.919757 Phi=3.135863

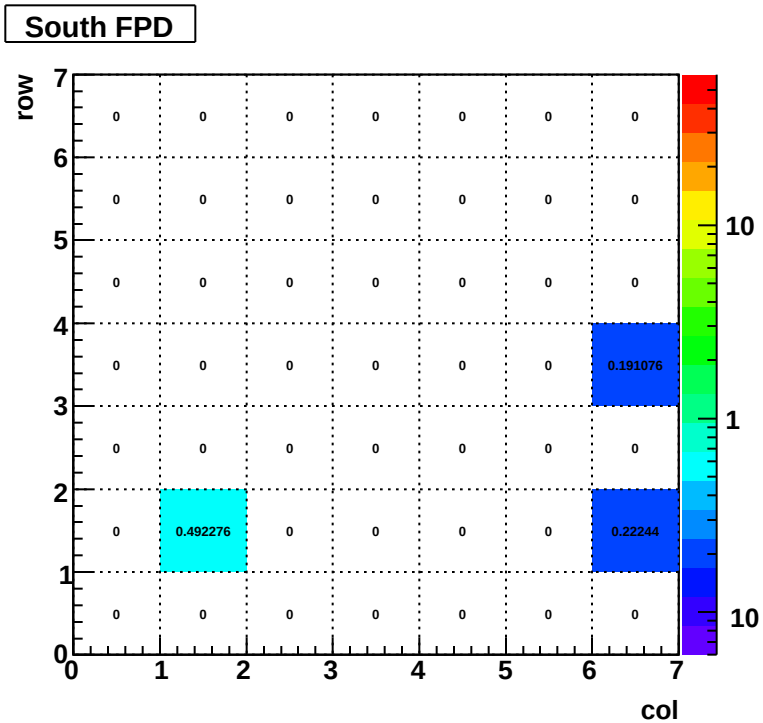
(2) Energy=27.300087 Y=-3.564366 Phi=3.129892

M12=0.480 Y12=-3.733 Phi12=3.132 E12=56.710

SumN(-) = 75 SumN(+)= 113 AN/.6=0.337







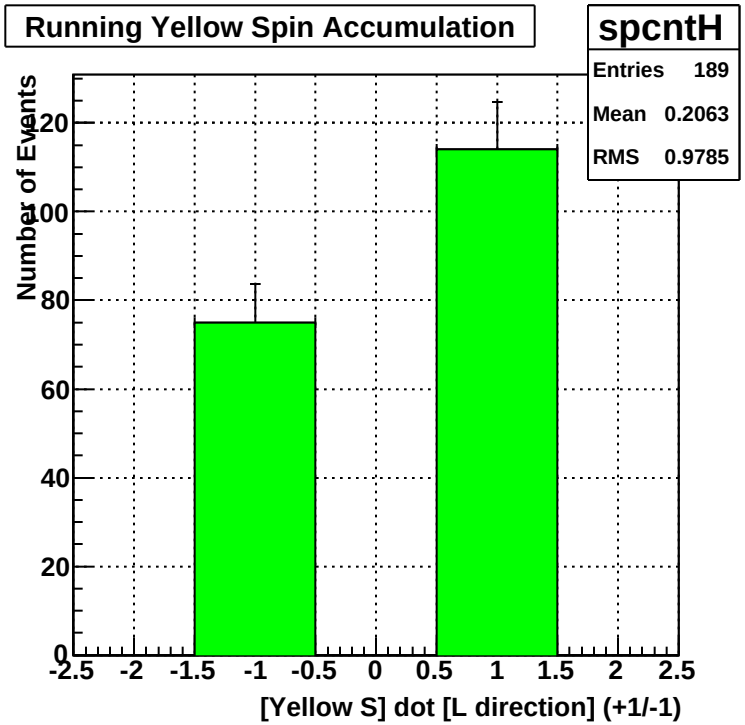
189) Rnum=7128013 EventN=1807178 (1 Yu-N[+])

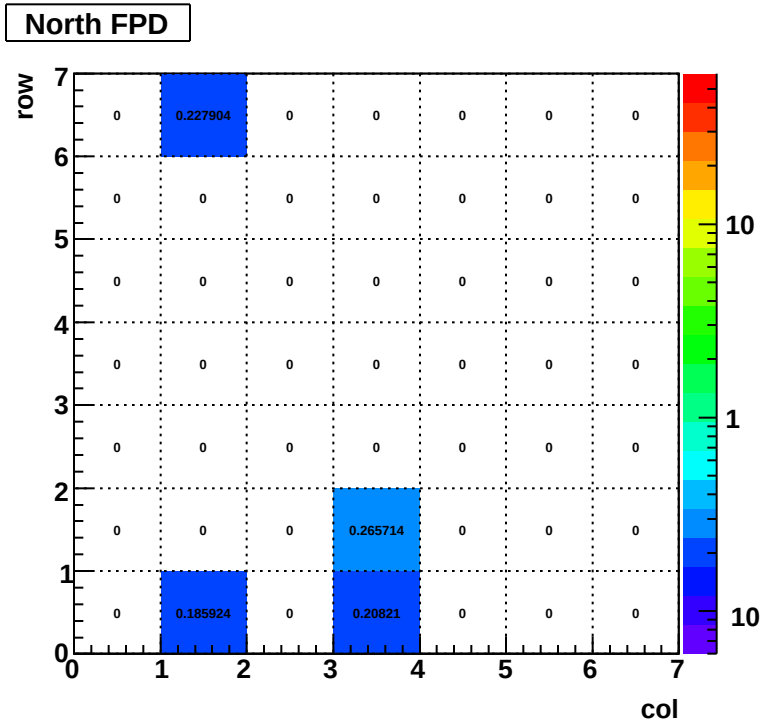
(1) Energy=30.997950 Y=-3.491577 Phi=-0.071475

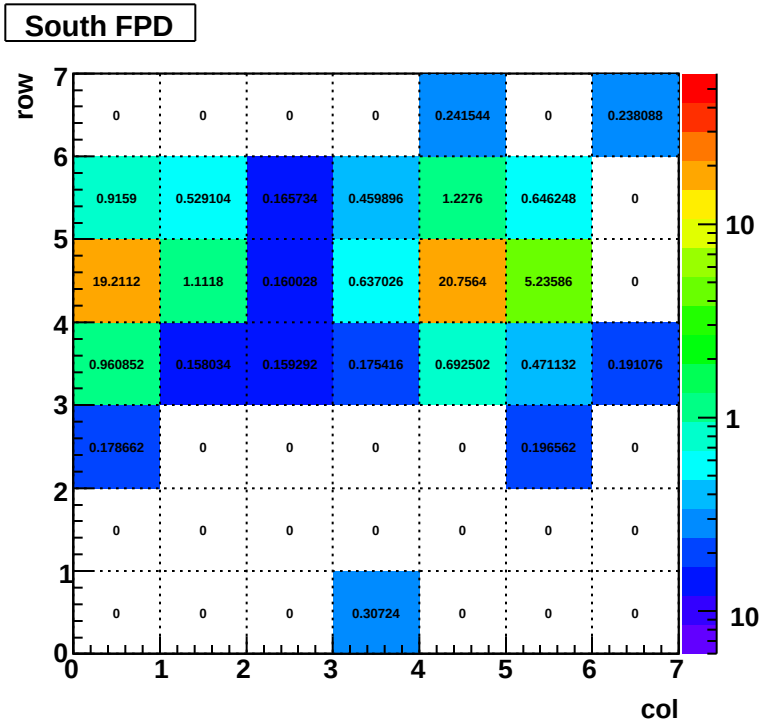
(2) Energy=24.592705 Y=-3.891508 Phi=-0.100056

M12=0.555 Y12=-3.649 Phi12=-0.081 E12=55.591

SumN(-) = 75 SumN(+)= 114 AN/.6=0.344







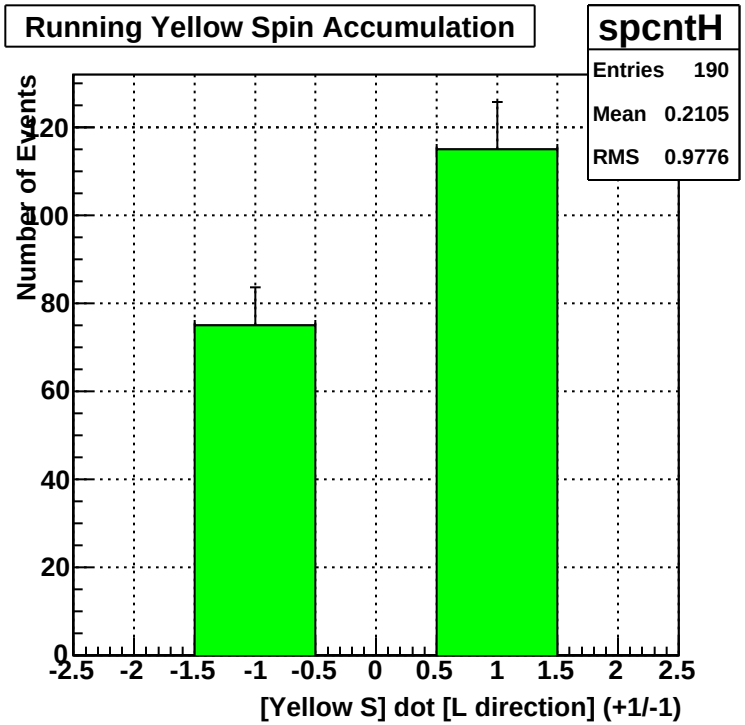
190) Rnum=7128014 EventN=3509867 (1 Yu-N[+])

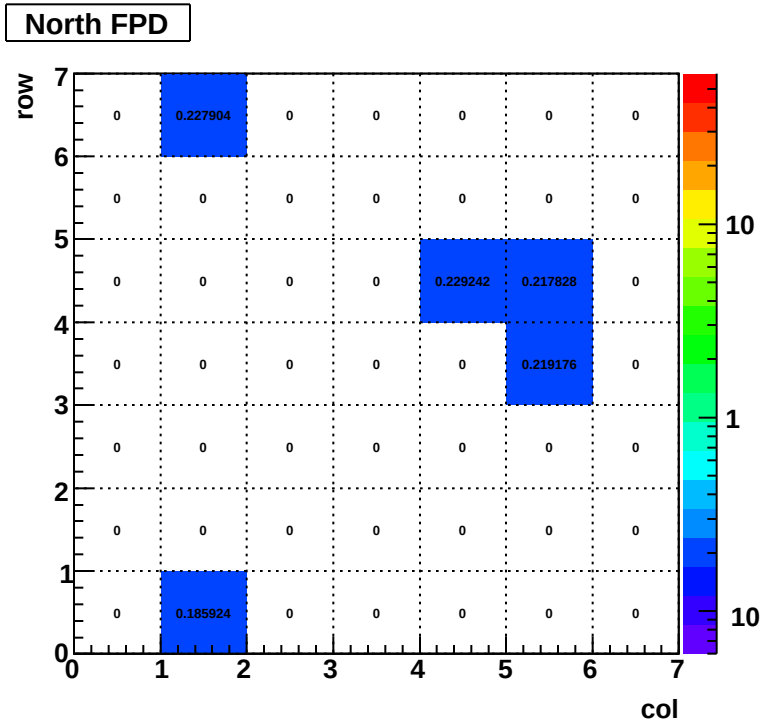
(1) Energy=27.292053 Y=-3.870592 Phi=-0.213676

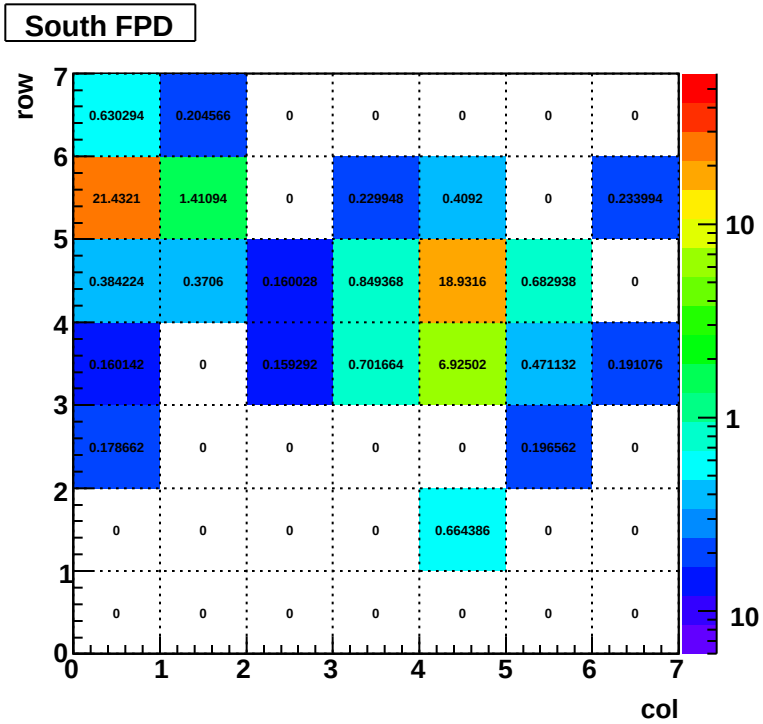
(2) Energy=30.590174 Y=-3.524184 Phi=-0.035591

M12=0.560 Y12=-3.677 Phi12=-0.104 E12=57.882

SumN(-) = 75 SumN(+)= 115 AN/.6=0.351







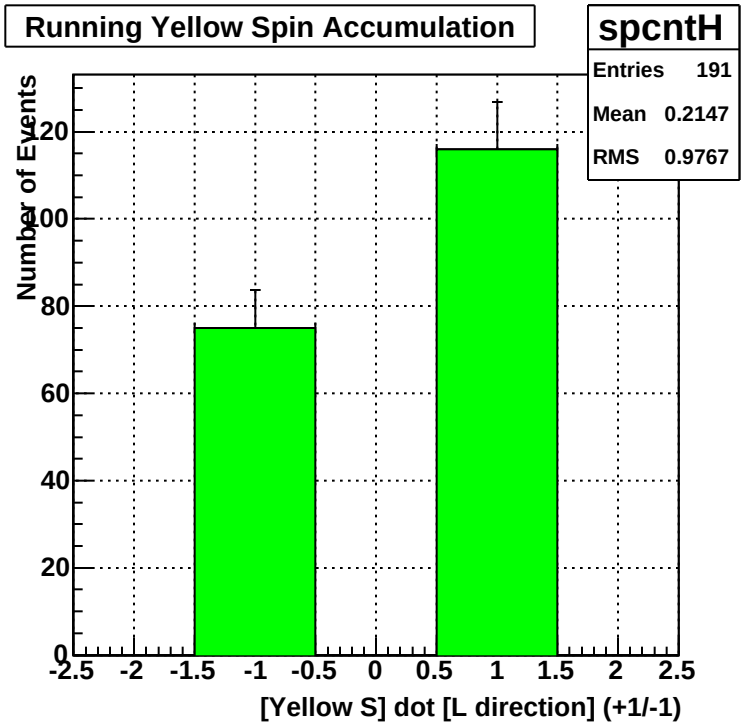
191) Rnum=7128014 EventN=2701127 (2 Yd-S[+])

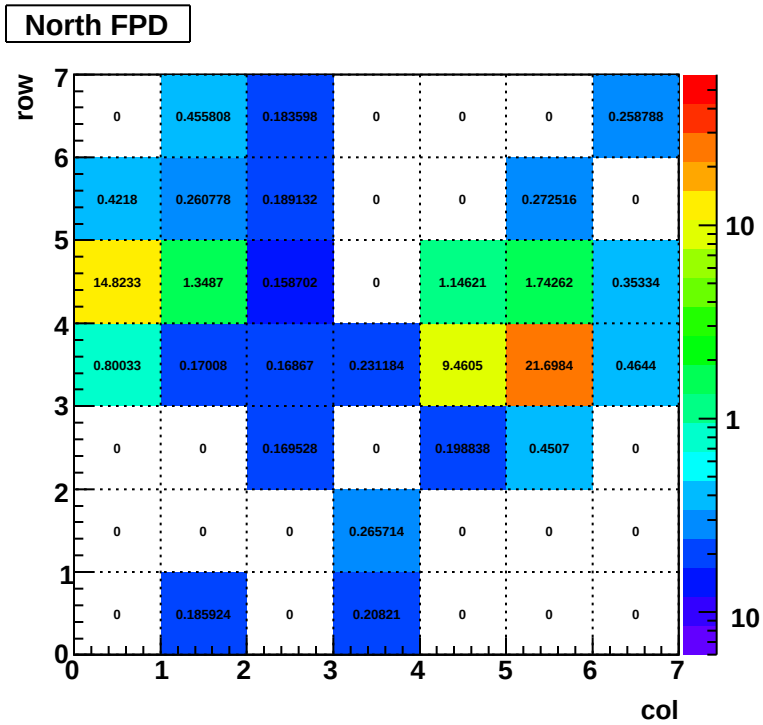
(1) Energy=37.284386 Y=-3.477263 Phi=-3.140788

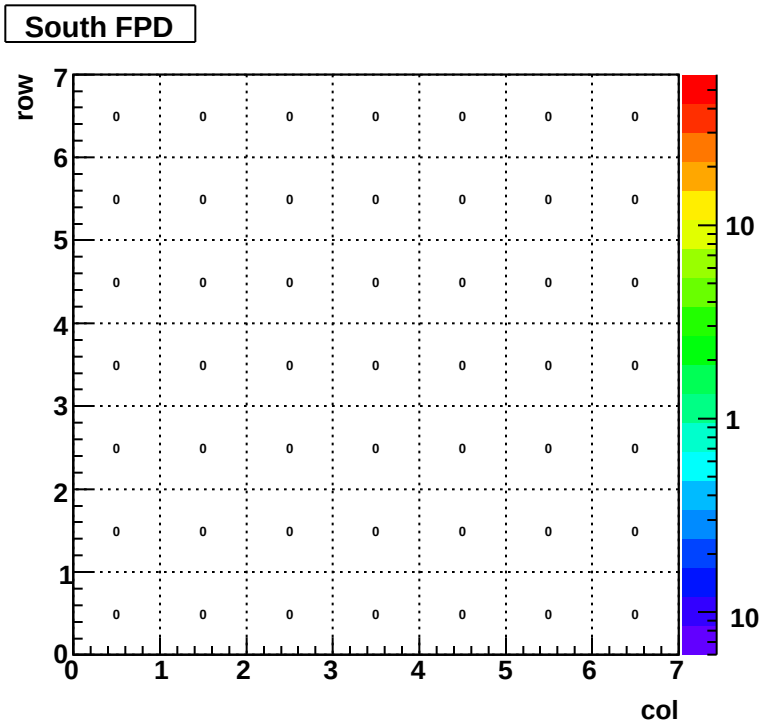
(2) Energy=19.070118 Y=-3.881105 Phi=-3.051178

M12=0.560 Y12=-3.597 Phi12=-3.118 E12=56.355

SumN(-) = 75 SumN(+)= 116 AN/.6=0.358







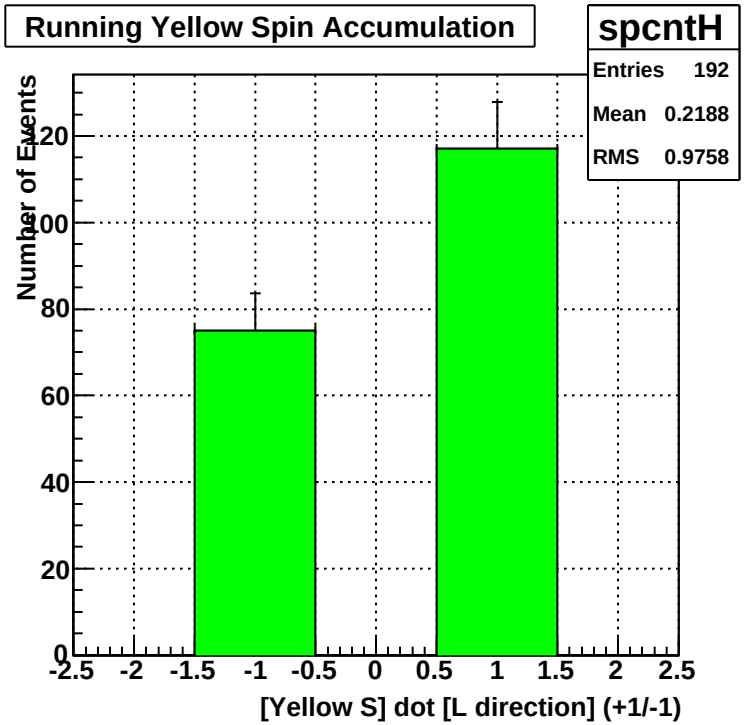
192) Rnum=7128021 EventN=400998 (3 Yu-N[+])

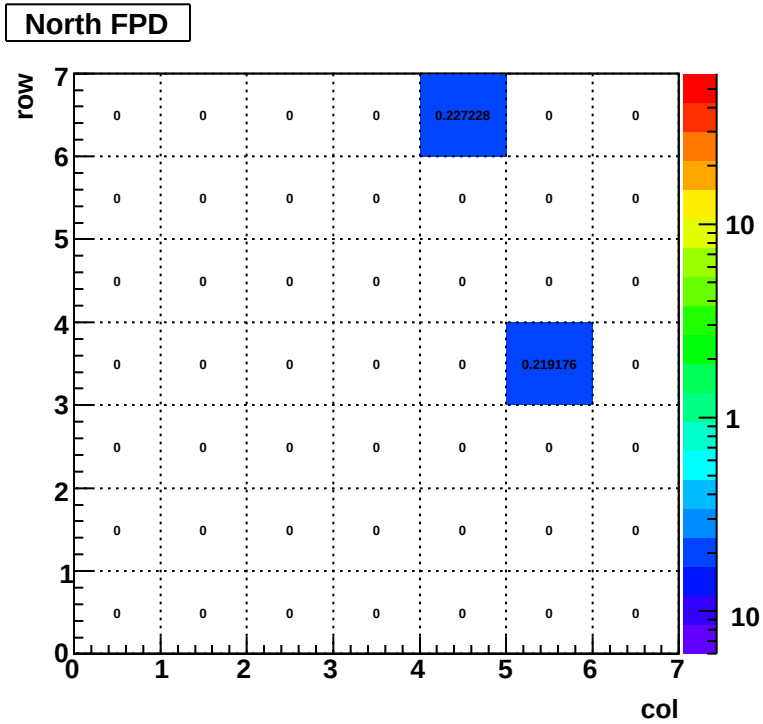
(1) Energy=35.019608 Y=-3.769546 Phi=-0.015212

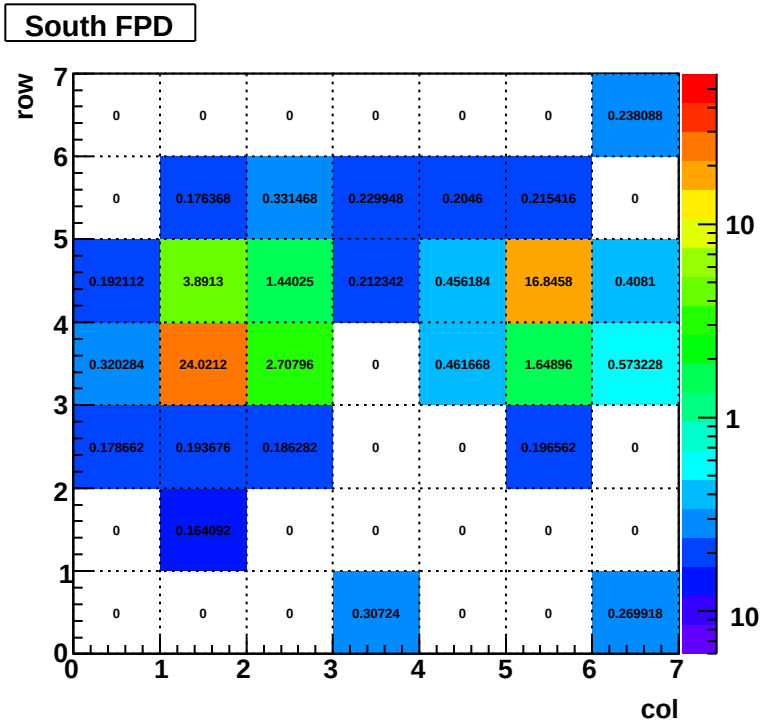
(2) Energy=22.086050 Y=-3.444751 Phi=-0.047468

M12=0.494 Y12=-3.631 Phi12=-0.030 E12=57.106

SumN(-) = 75 SumN(+)= 117 AN/.6=0.365







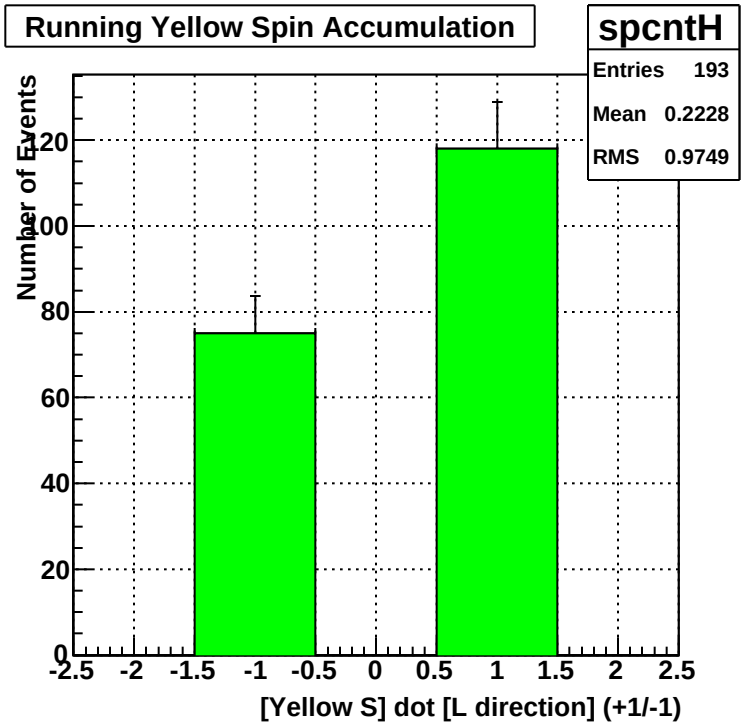
193) Rnum=7128022 EventN=909875 (2 Yd-S[+])

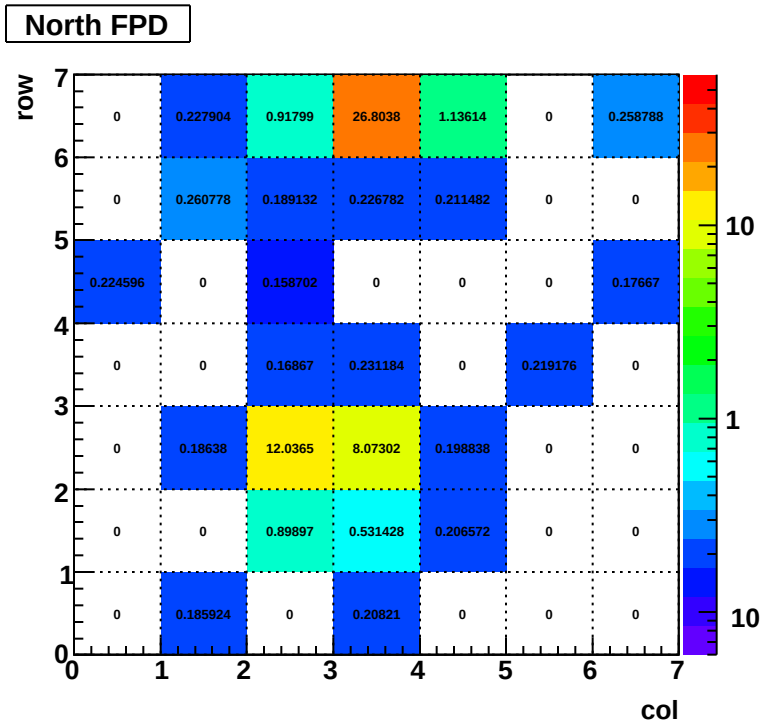
(1) Energy=34.470081 Y=-3.569763 Phi=-2.884819

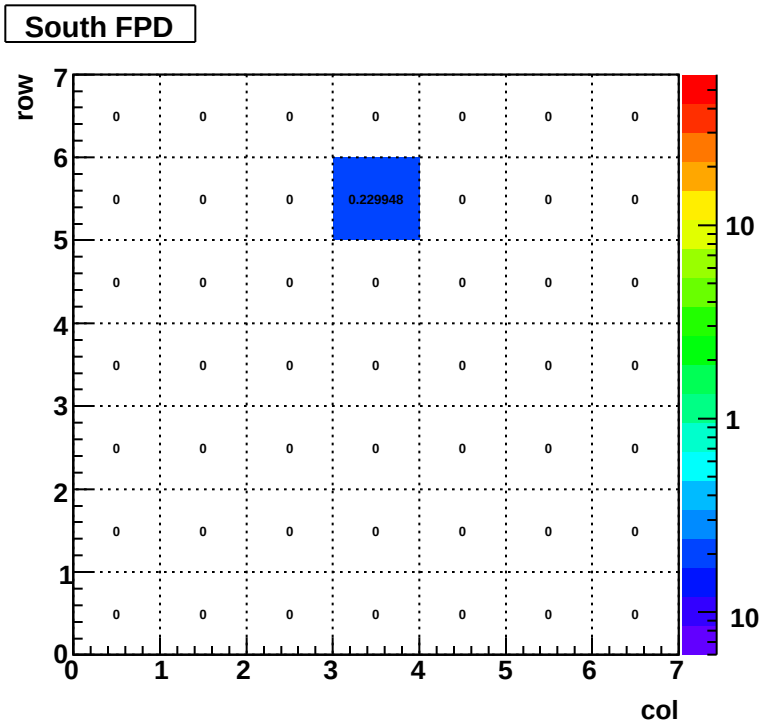
(2) Energy=23.663460 Y=-3.645203 Phi=3.027866

M12=0.582 Y12=-3.616 Phi12=-3.028 E12=58.134

SumN(-) = 75 SumN(+)= 118 AN/.6=0.371







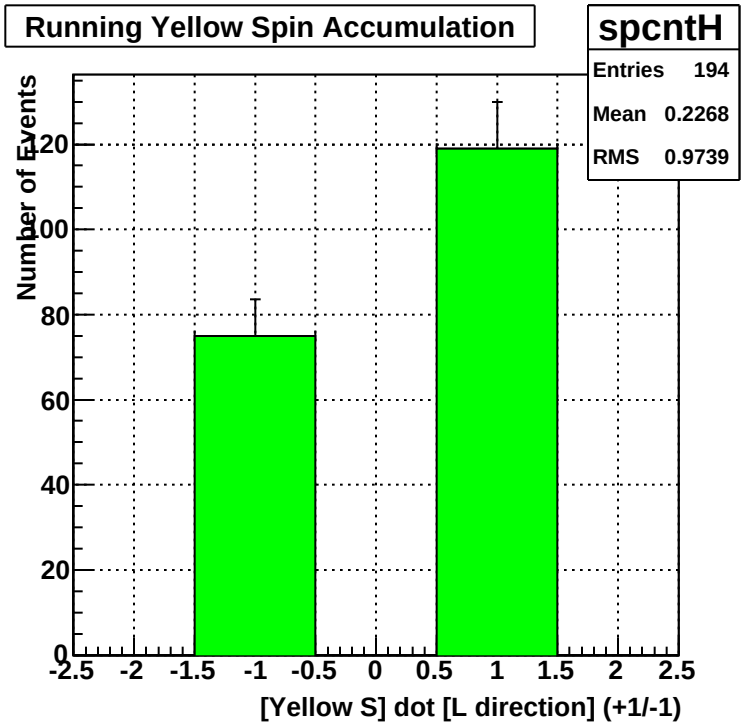
194) Rnum=7128022 EventN=1607682 (3 Yu-N[+])

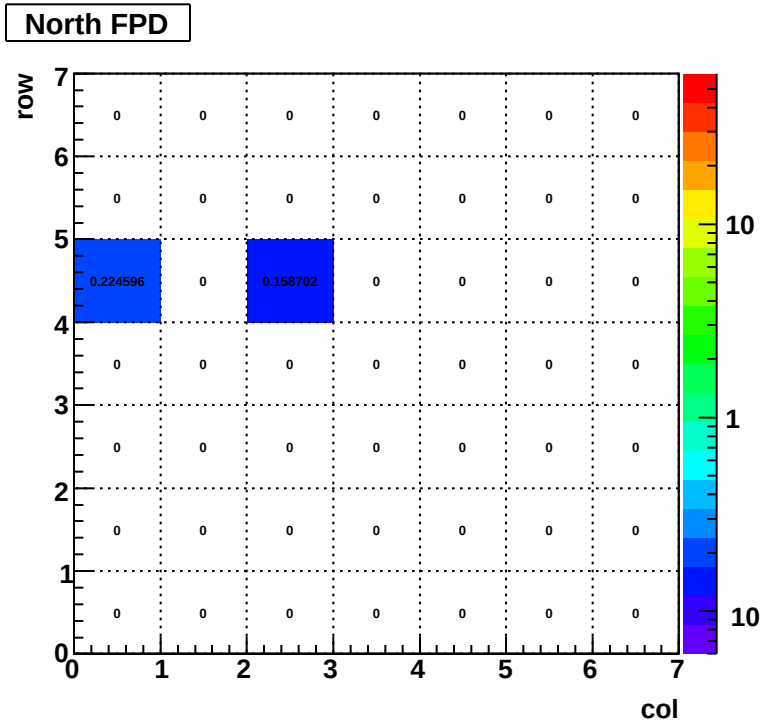
(1) Energy=32.789616 Y=-3.670480 Phi=-0.153569

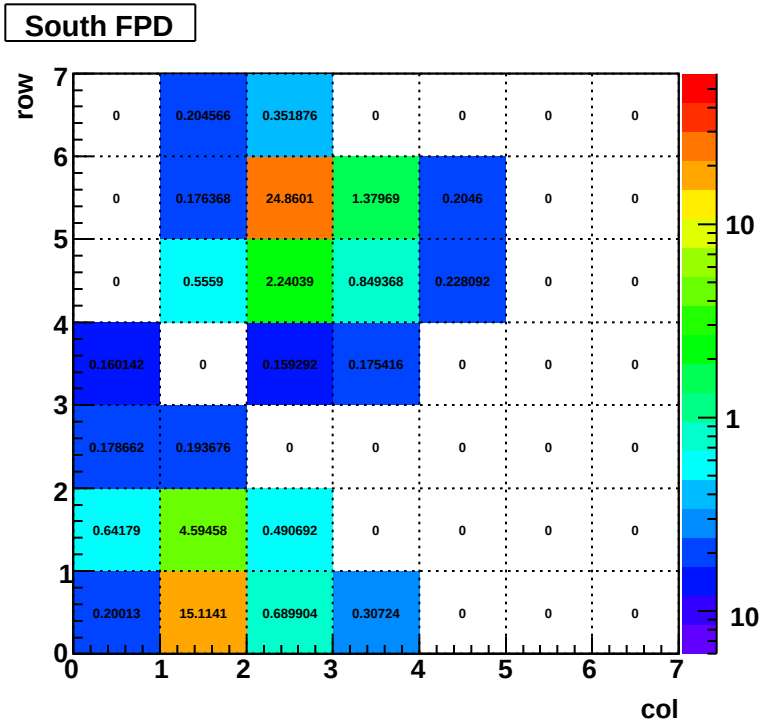
(2) Energy=23.291645 Y=-3.747687 Phi=0.279700

M12=0.591 Y12=-3.724 Phi12=0.018 E12=56.081

SumN(-) = 75 SumN(+)= 119 AN/.6=0.378







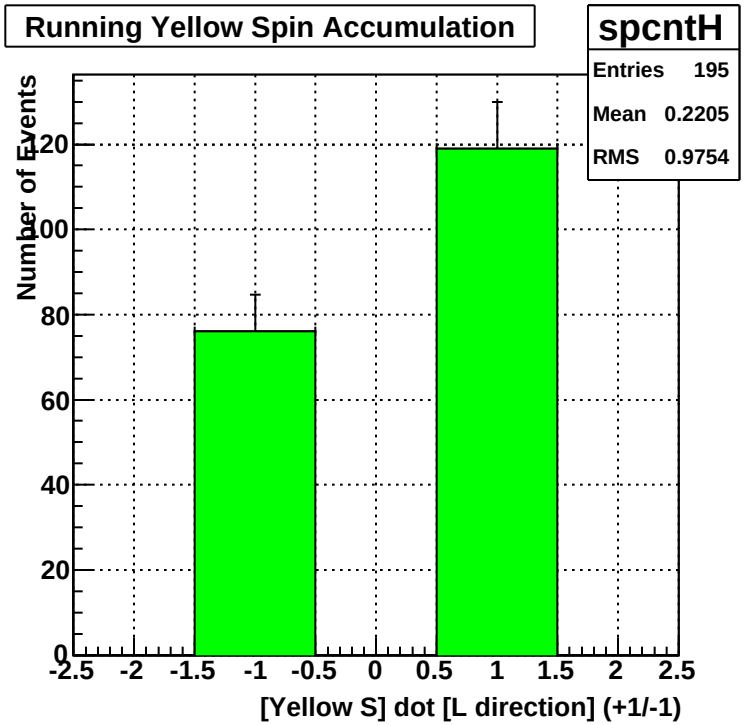
195) Rnum=7128023 EventN=9601944 (2 Yd-N[-])

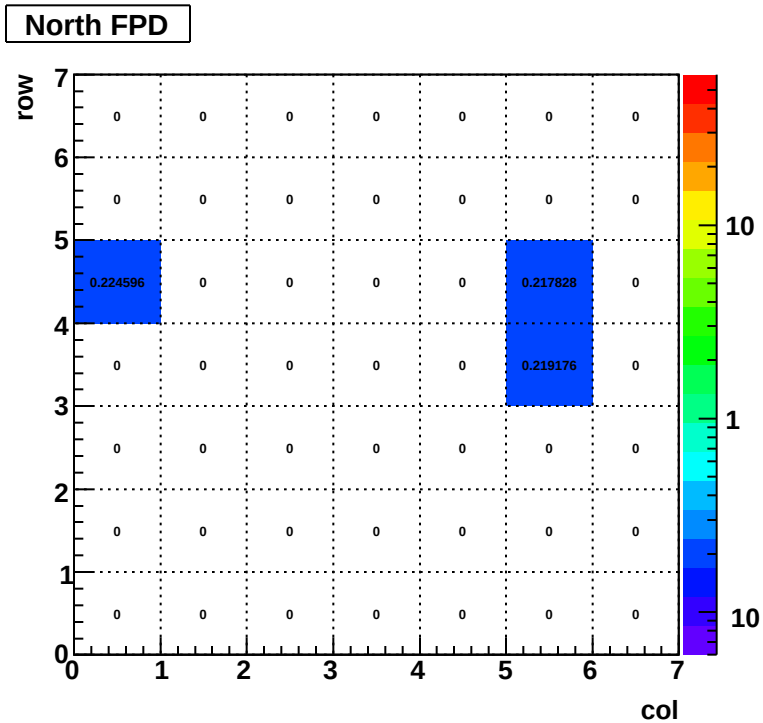
(1) Energy=34.916054 Y=-3.453766 Phi=-0.115437

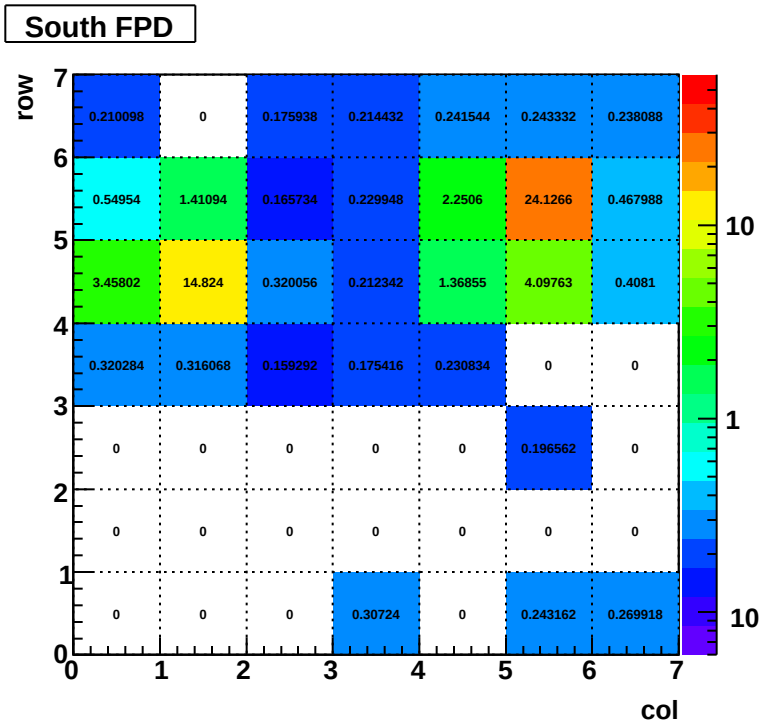
(2) Energy=22.227362 Y=-3.824817 Phi=-0.110636

M12=0.546 Y12=-3.582 Phi12=-0.114 E12=57.143

SumN(-) = 76 SumN(+)= 119 AN/.6=0.368







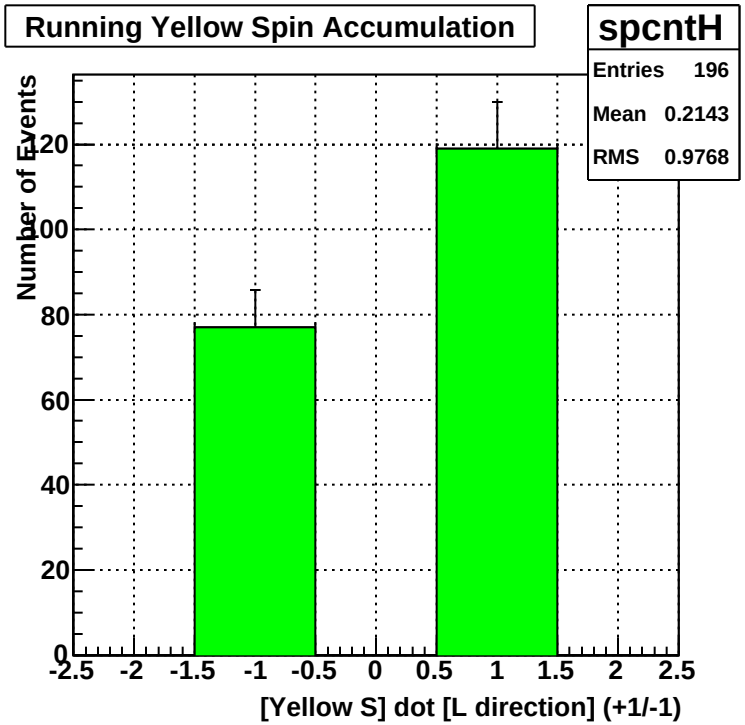
196) Rnum=7128023 EventN=1508833 (0 Yd-N[-])

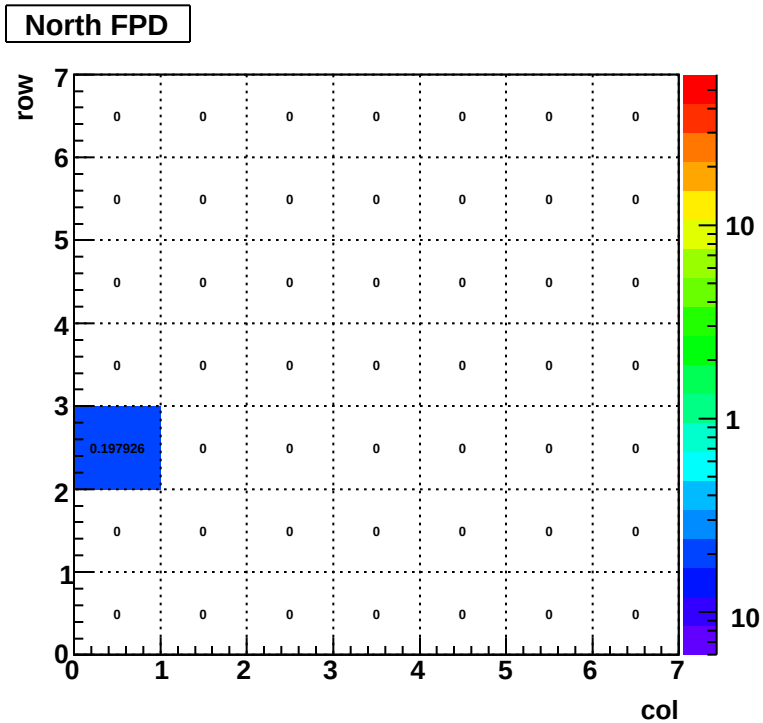
(1) Energy=42.475246 Y=-3.677816 Phi=0.206537

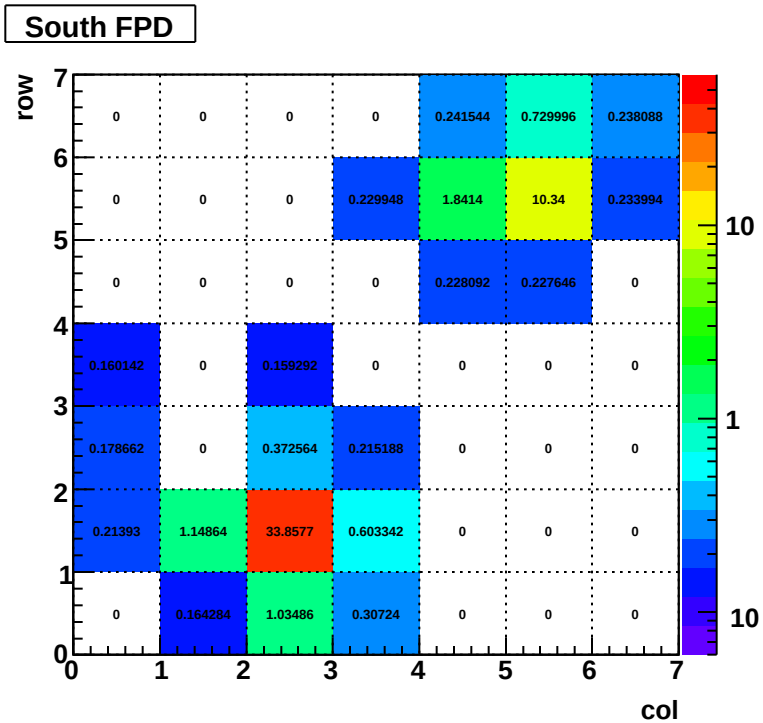
(2) Energy=14.598543 Y=-3.456721 Phi=-0.147171

M12=0.584 Y12=-3.630 Phi12=0.101 E12=57.074

SumN(-) = 77 SumN(+)= 119 AN/.6=0.357







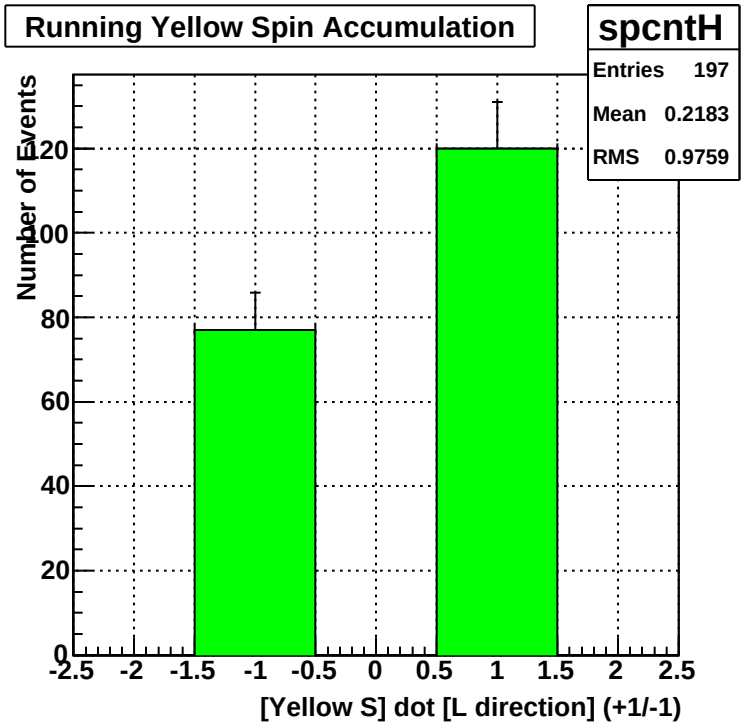
197) Rnum=7128024 EventN=702195 (2 Yd-S[+])

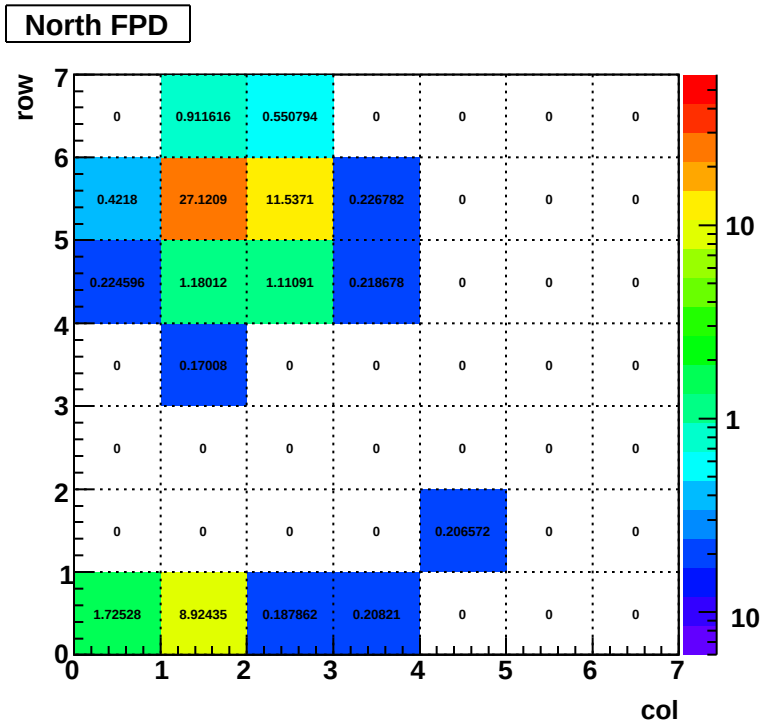
(1) Energy=45.421577 Y=-3.735153 Phi=-2.963100

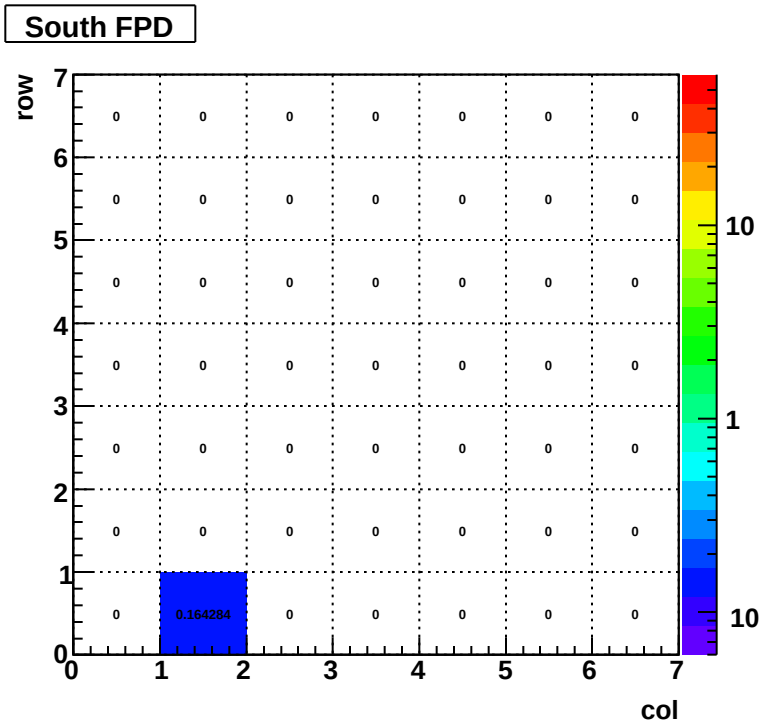
(2) Energy=12.655869 Y=-3.772991 Phi=2.813340

M12=0.564 Y12=-3.765 Phi12=-3.068 E12=58.077

SumN(-) = 77 SumN(+)= 120 AN/.6=0.364







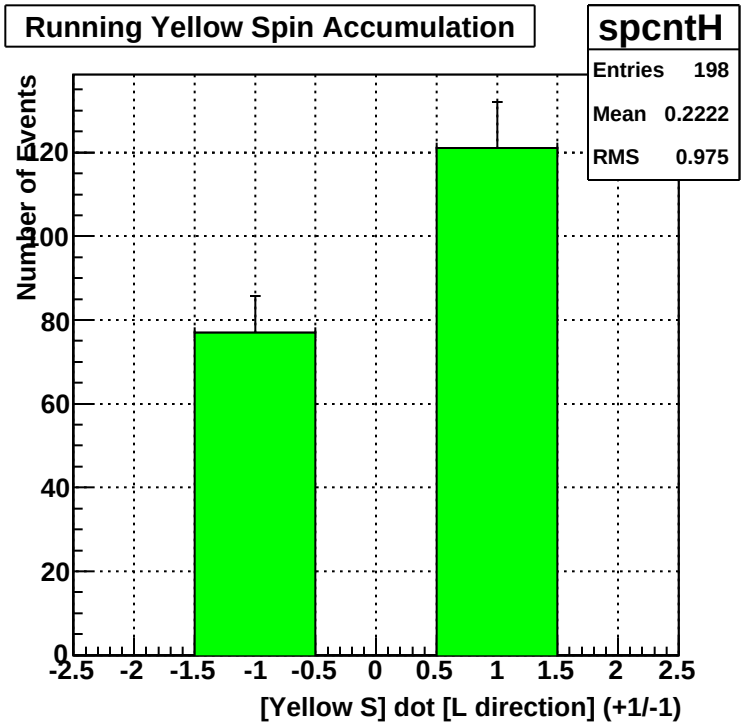
198) Rnum=7128025 EventN=802785 (3 Yu-N[+])

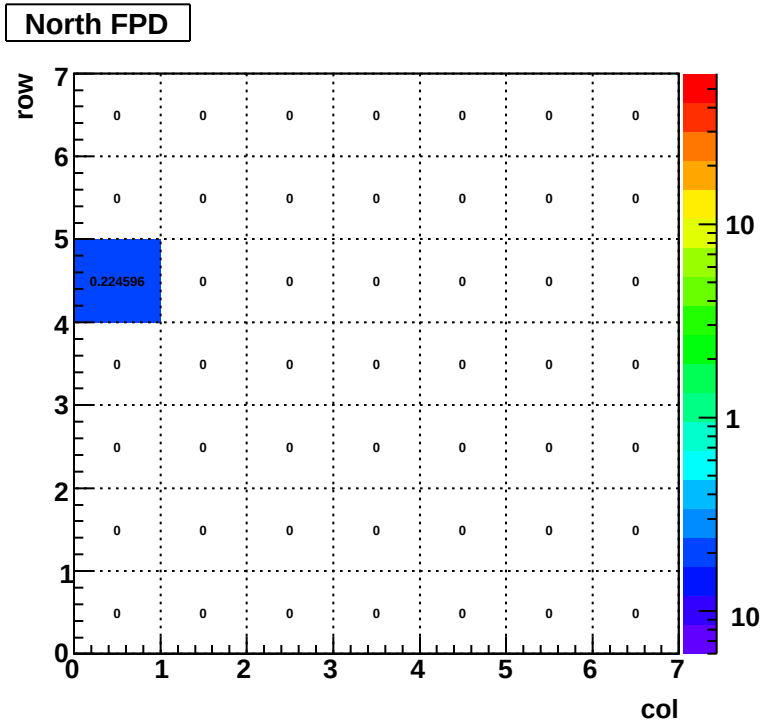
(1) Energy=39.933109 Y=-3.660160 Phi=0.104519

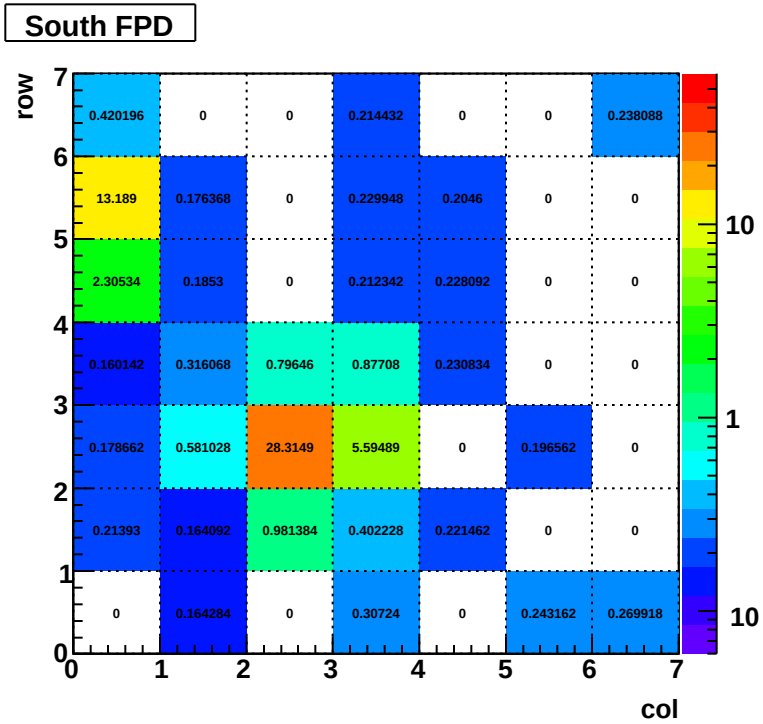
(2) Energy=18.901758 Y=-3.911872 Phi=-0.184134

M12=0.477 Y12=-3.743 Phi12=0.027 E12=58.835

SumN(-) = 77 SumN(+)= 121 AN/.6=0.370







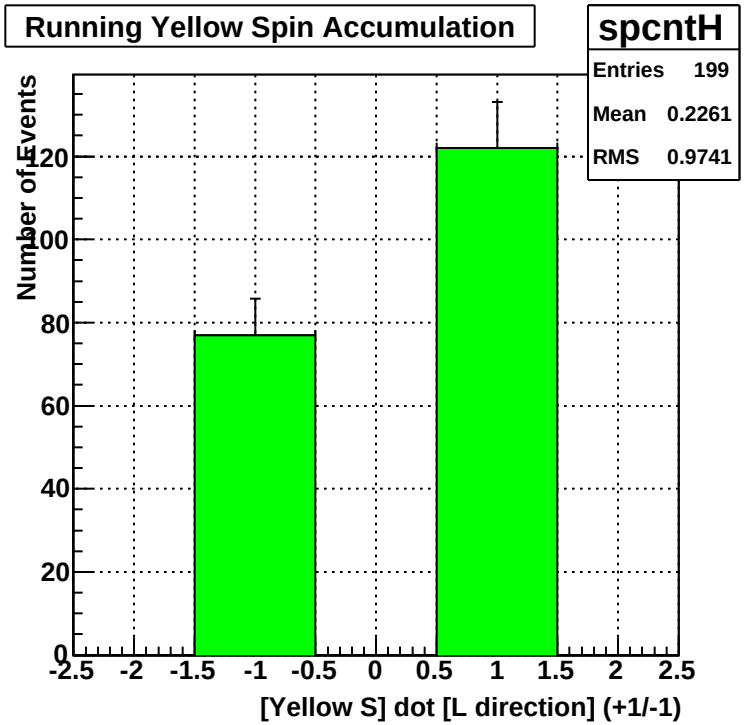
199) Rnum=7128025 EventN=2109653 (3 Yu-N[+])

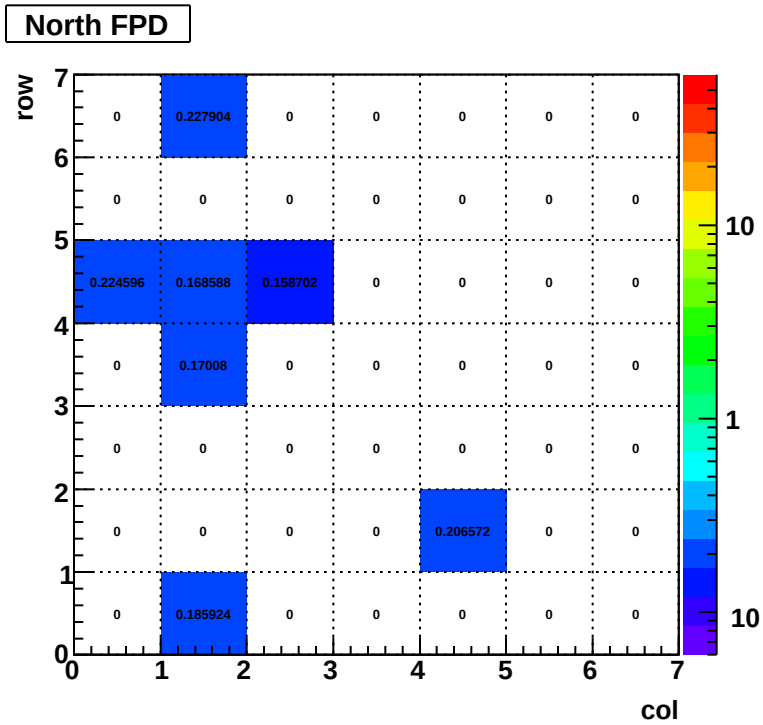
(1) Energy=26.007687 Y=-3.809156 Phi=0.109398

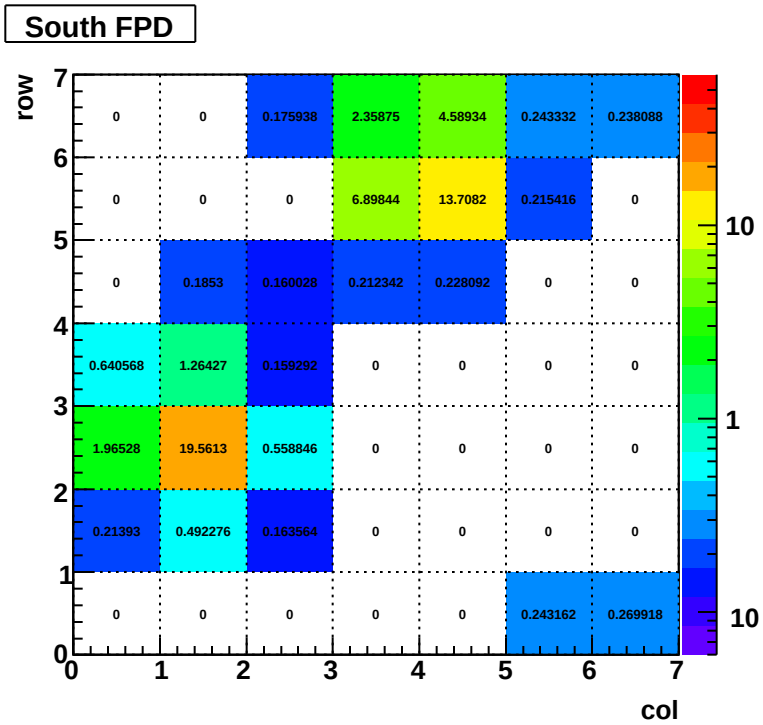
(2) Energy=29.697504 Y=-3.540944 Phi=-0.182670

M12=0.558 Y12=-3.668 Phi12=-0.066 E12=55.705

SumN(-) = 77 SumN(+)= 122 AN/.6=0.377







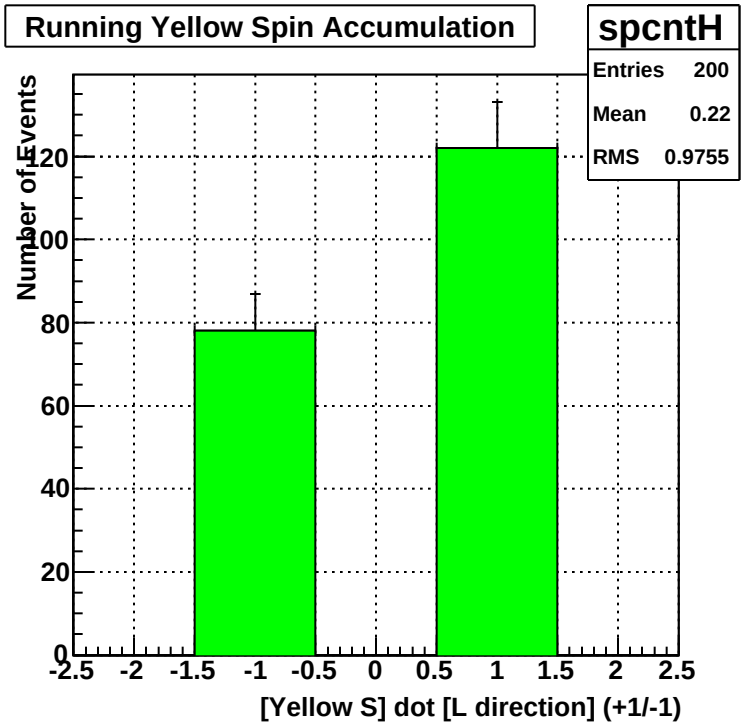
200) Rnum=7128028 EventN=5408922 (2 Yd-N[-])

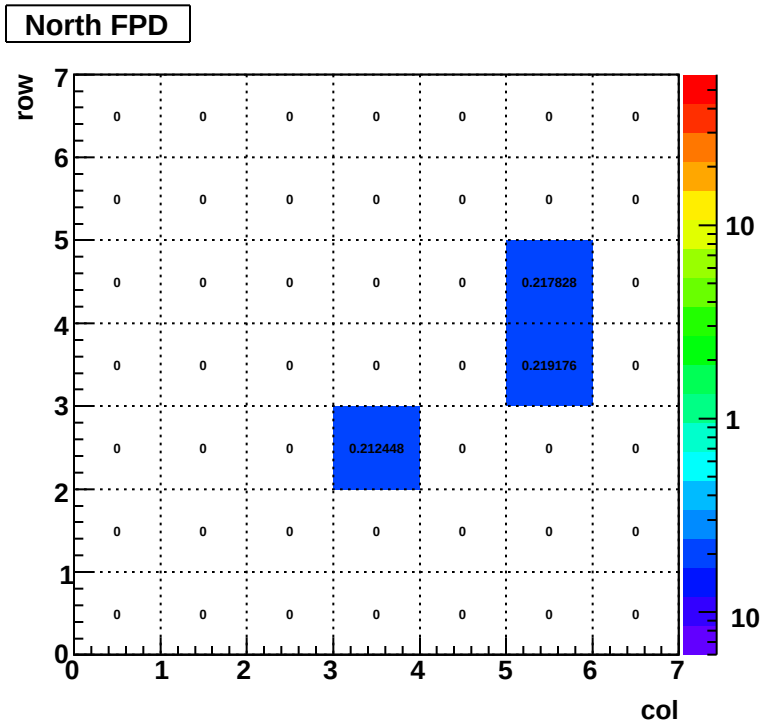
(1) Energy=35.278488 Y=-3.750561 Phi=0.197763

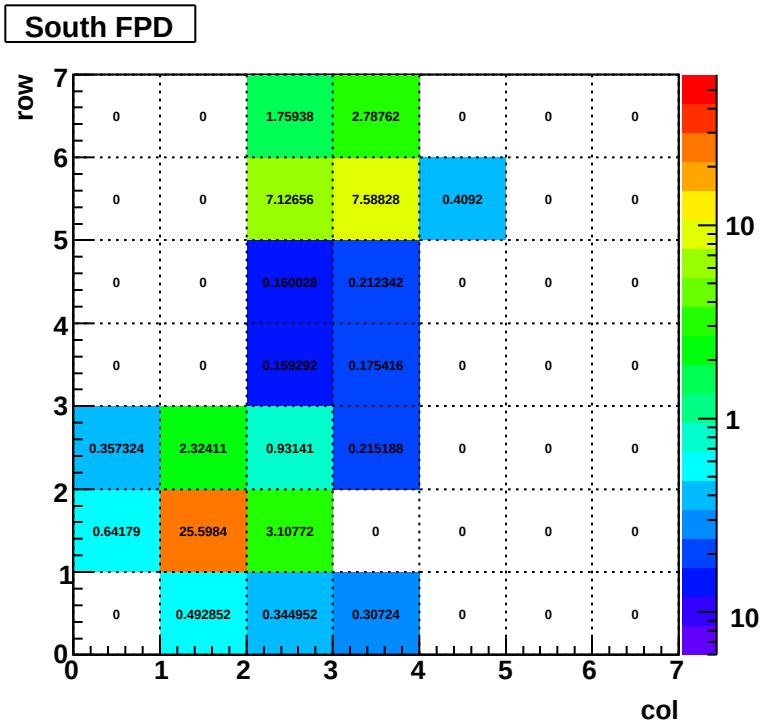
(2) Energy=20.757250 Y=-3.628583 Phi=-0.197898

M12=0.556 Y12=-3.722 Phi12=0.040 E12=56.036

SumN(-) = 78 SumN(+)= 122 AN/.6=0.367







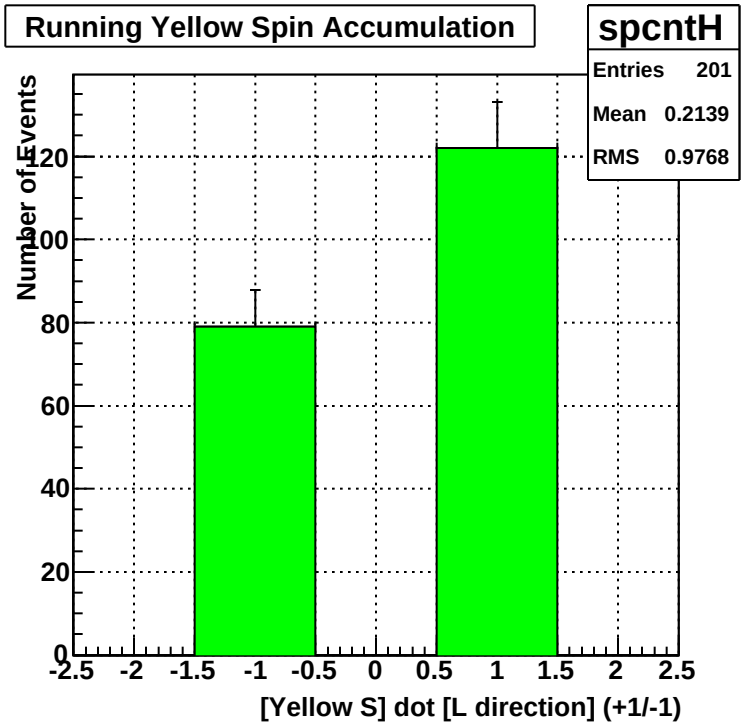
201) Rnum=7128032 EventN=4303647 (2 Yd-N[-])

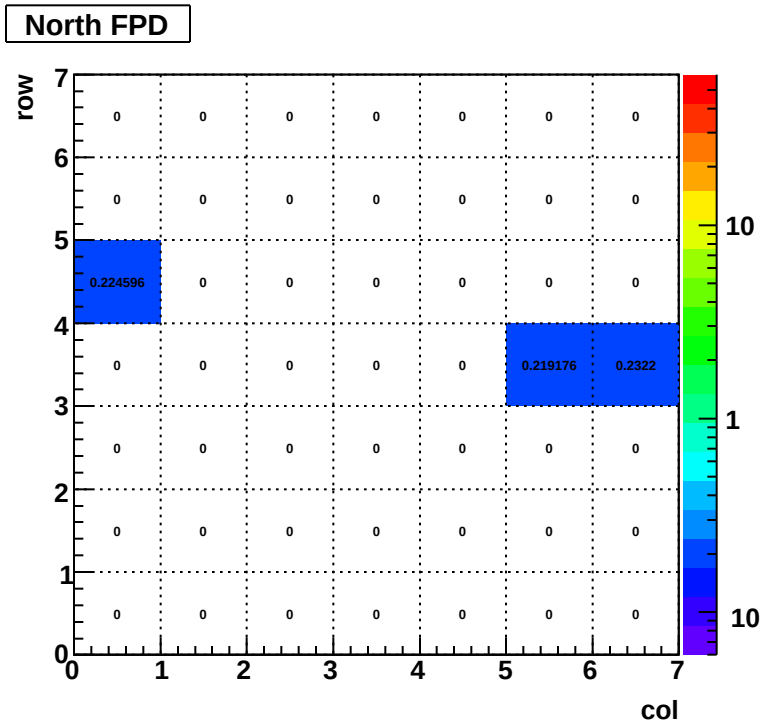
(1) Energy=37.526264 Y=-3.724231 Phi=0.129303

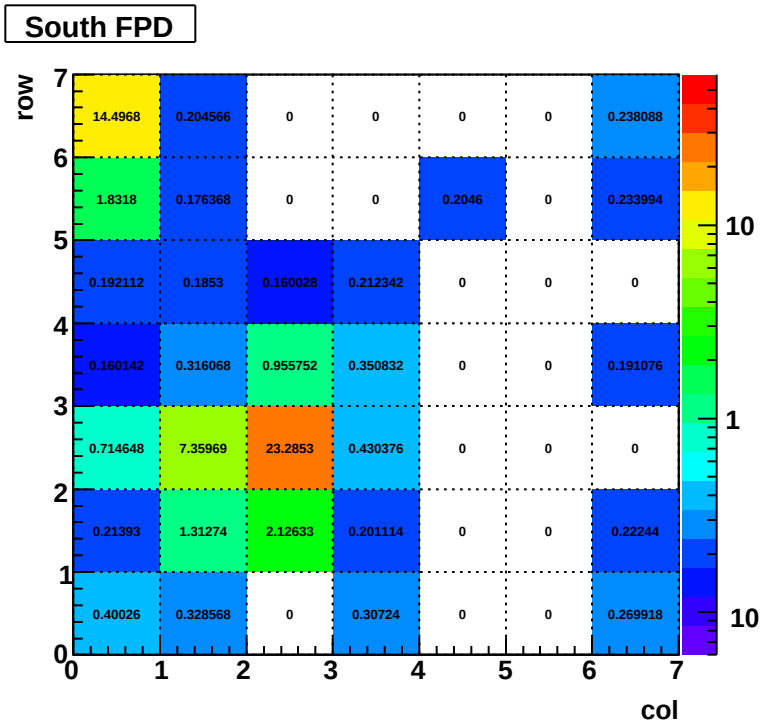
(2) Energy=19.649944 Y=-3.878703 Phi=-0.302572

M12=0.553 Y12=-3.795 Phi12=-0.003 E12=57.176

SumN(-) = 79 SumN(+)= 122 AN/.6=0.357







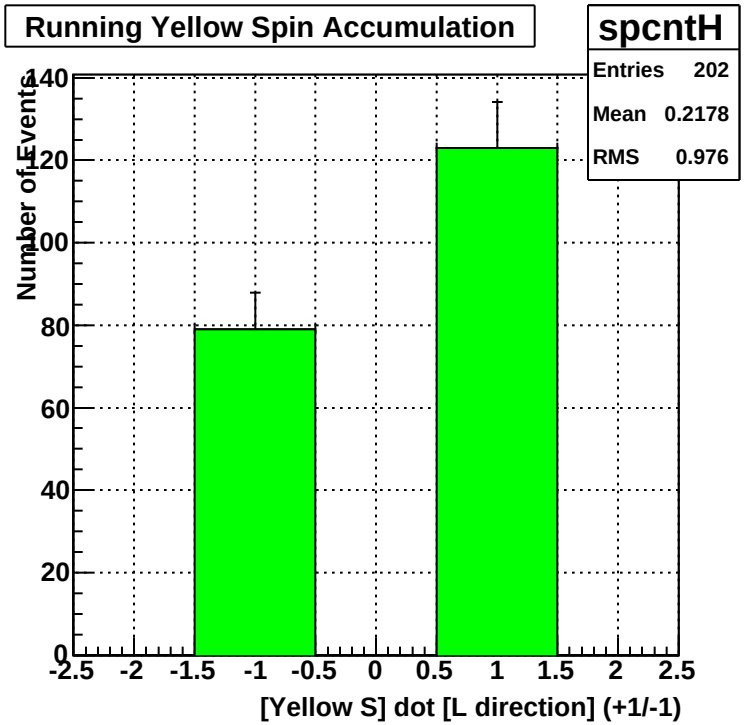
202) Rnum=7128032 EventN=2401371 (3 Yu-N[+])

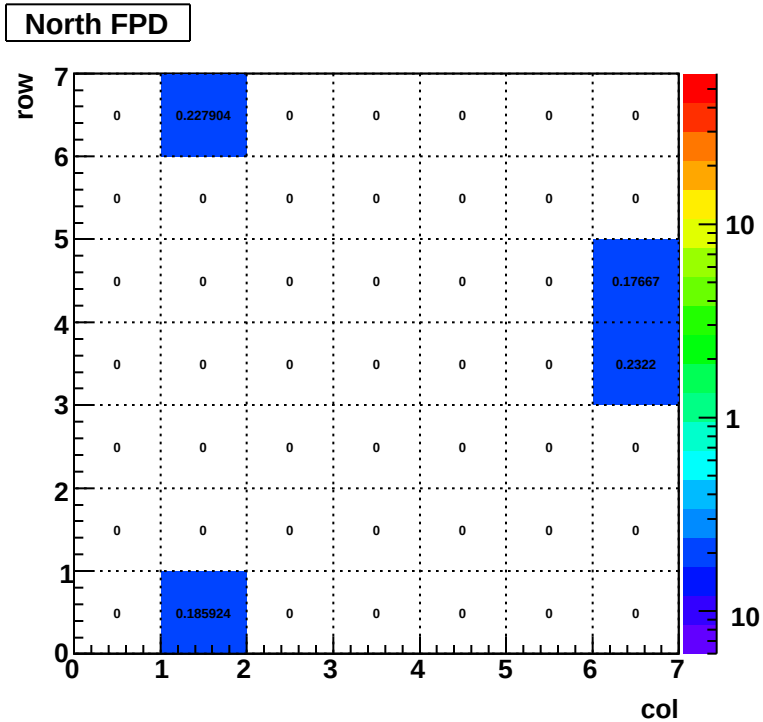
(1) Energy=21.998926 Y=-3.795120 Phi=0.160458

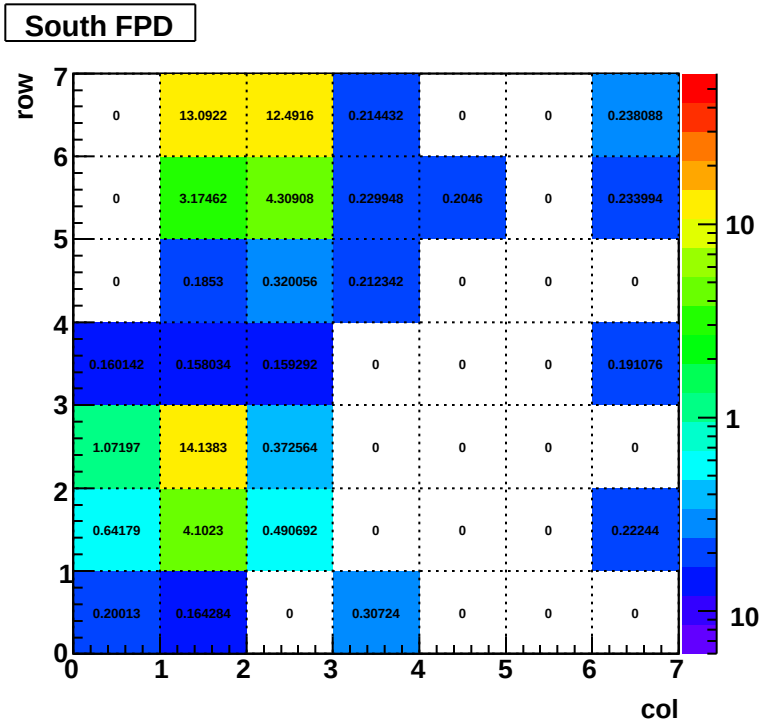
(2) Energy=35.737366 Y=-3.713945 Phi=-0.242832

M12=0.536 Y12=-3.763 Phi12=-0.098 E12=57.736

SumN(-) = 79 SumN(+)= 123 AN/.6=0.363







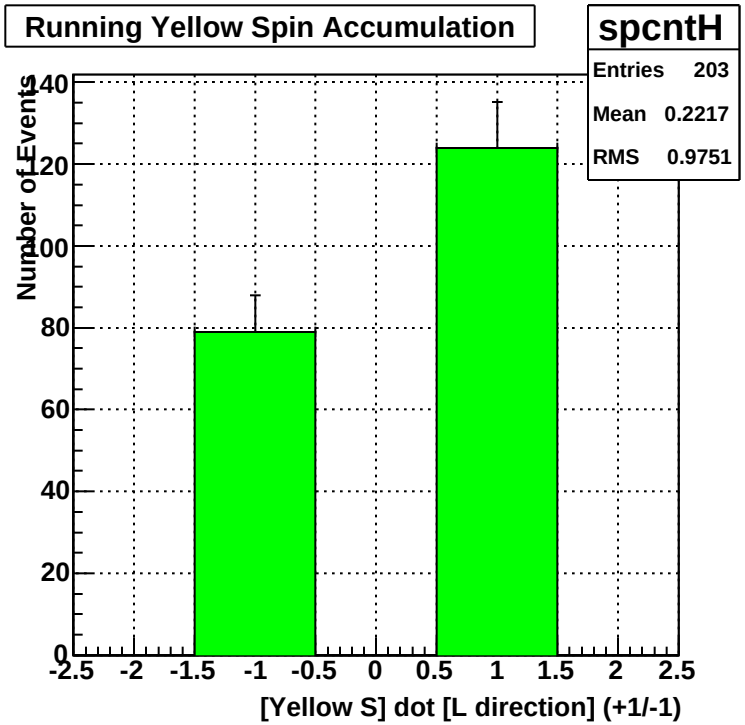
203) Rnum=7128045 EventN=3306040 (0 Yd-S[+])

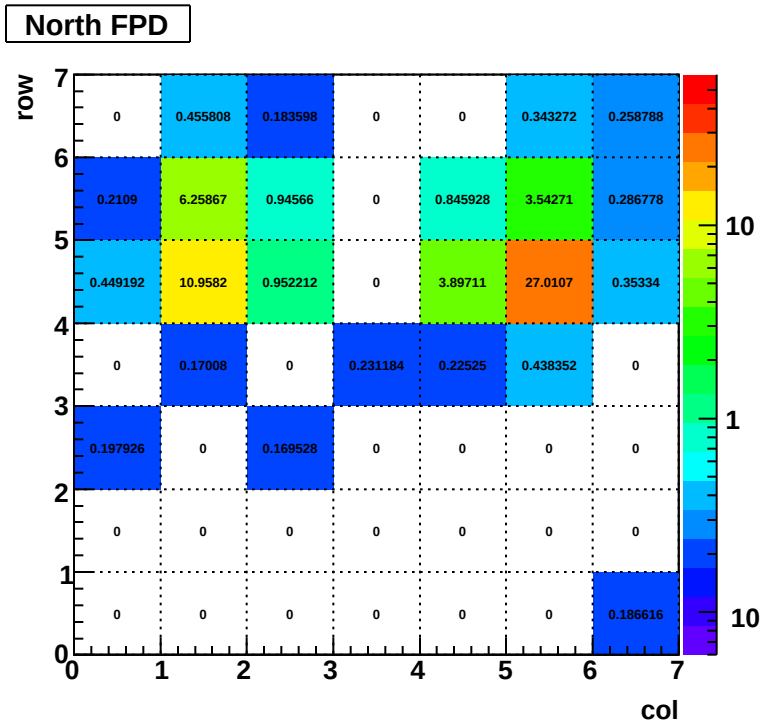
(1) Energy=38.542252 Y=-3.461234 Phi=-3.059551

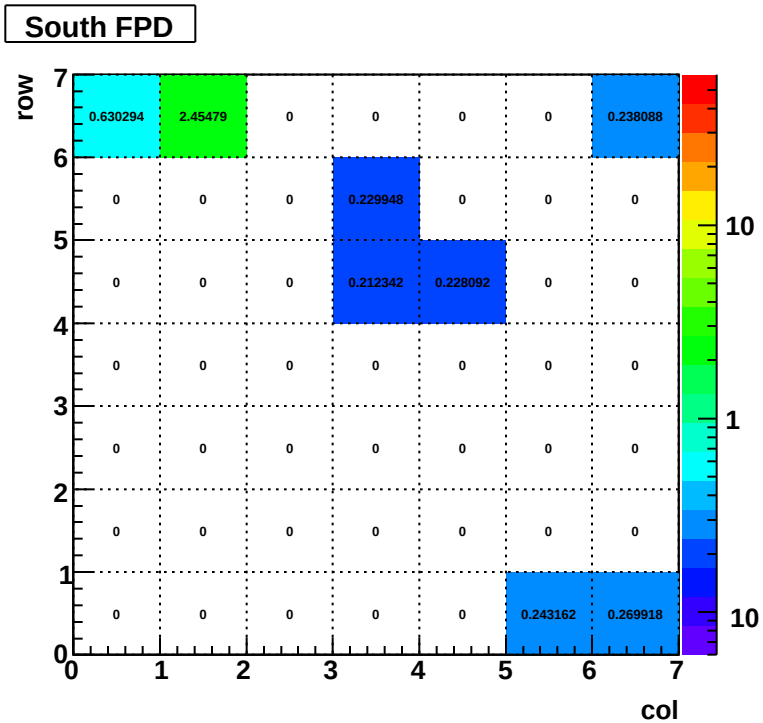
(2) Energy=20.944658 Y=-3.767019 Phi=-3.008036

M12=0.476 Y12=-3.559 Phi12=-3.045 E12=59.487

SumN(-) = 79 SumN(+)= 124 AN/.6=0.369







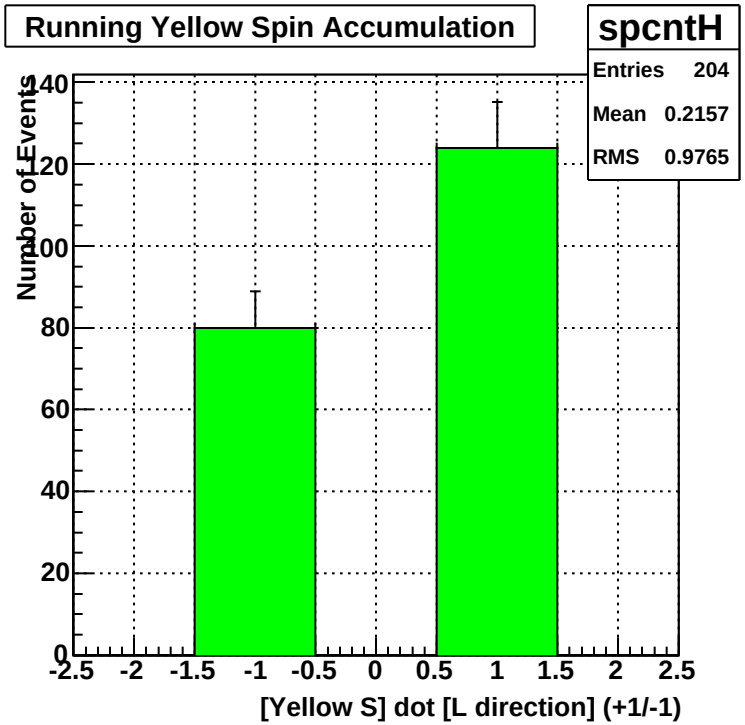
204) Rnum=7128045 EventN=3605232 (2 Yd-N[-])

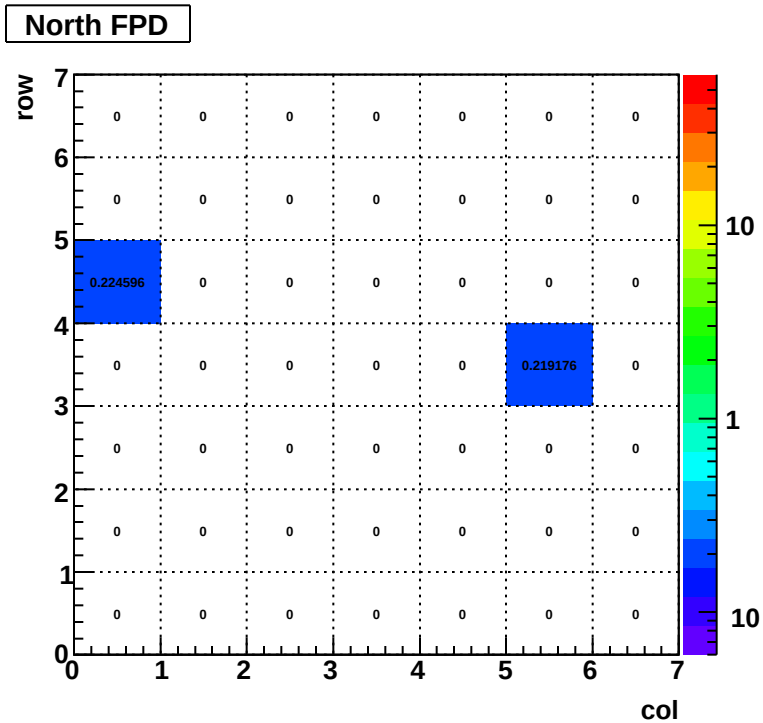
(1) Energy=29.654522 Y=-3.600939 Phi=-0.191146

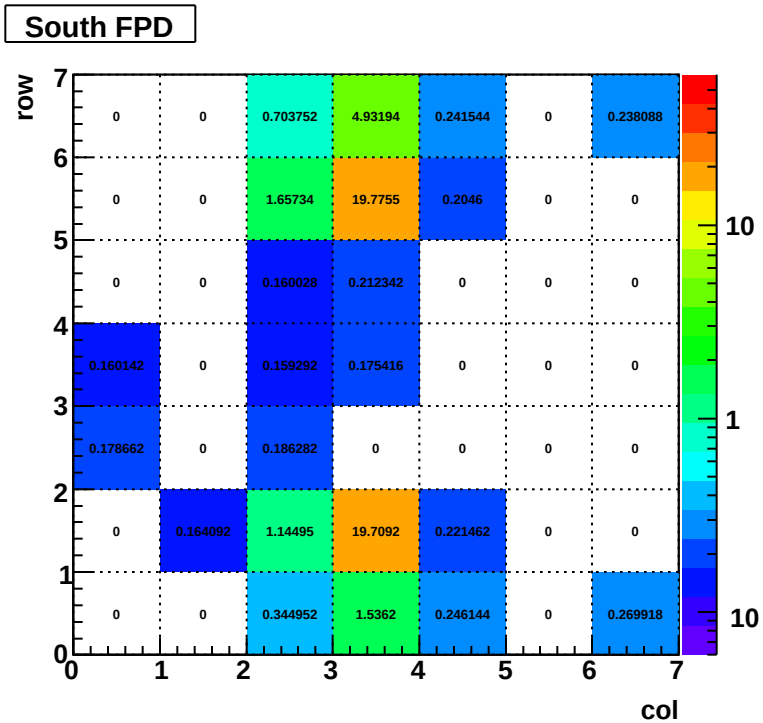
(2) Energy=25.602425 Y=-3.595366 Phi=0.197280

M12=0.582 Y12=-3.617 Phi12=-0.011 E12=55.257

SumN(-) = 80 SumN(+)= 124 AN/.6=0.359







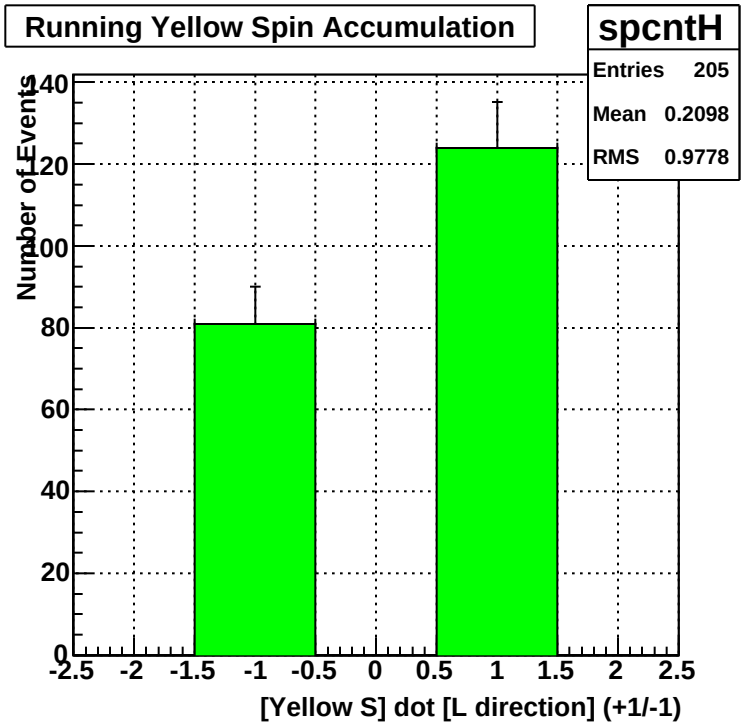
205) Rnum=7128045 EventN=209383 (3 Yu-S[-])

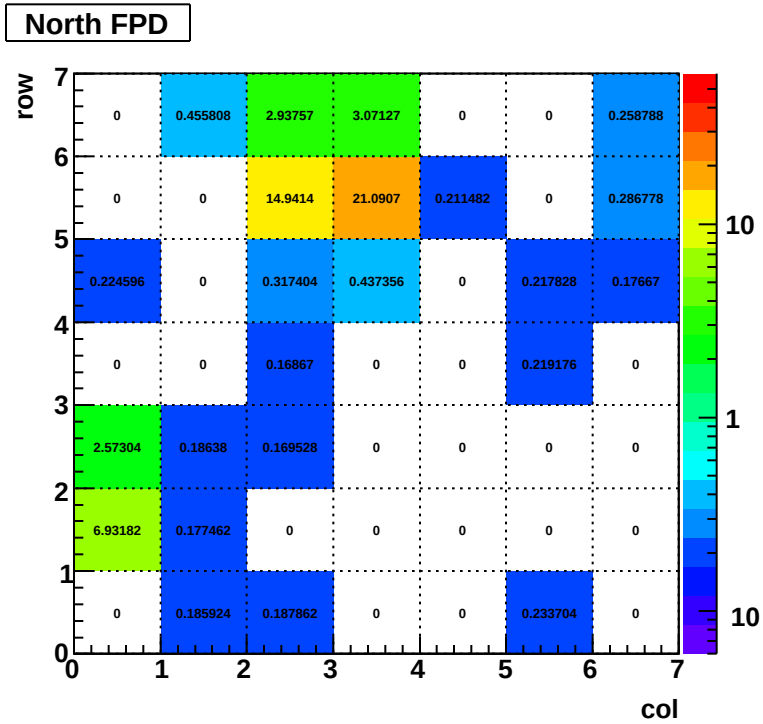
(1) Energy=45.630070 Y=-3.628718 Phi=-2.952773

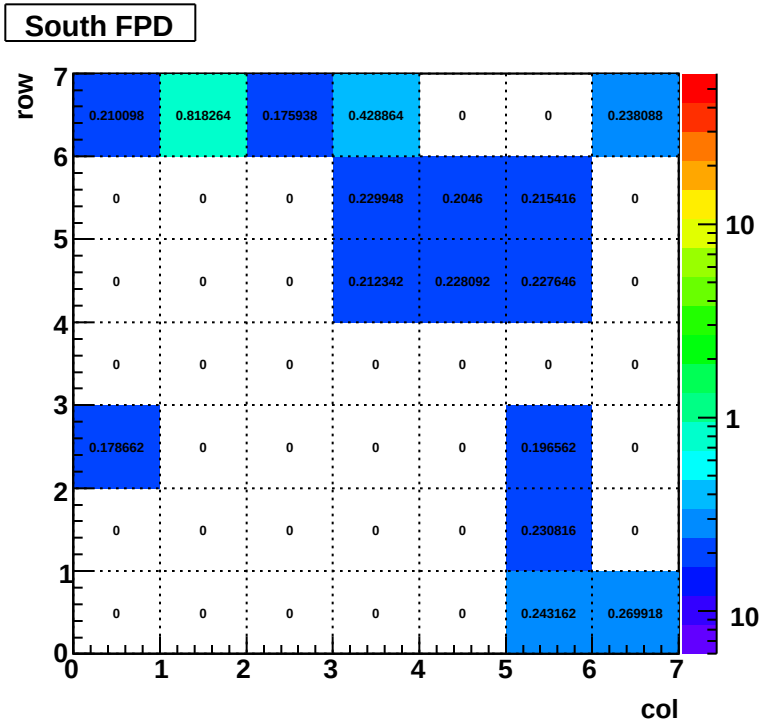
(2) Energy=11.443418 Y=-3.899428 Phi=2.938086

M12=0.503 Y12=-3.688 Phi12=-3.015 E12=57.073

SumN(-) = 81 SumN(+)= 124 AN/.6=0.350







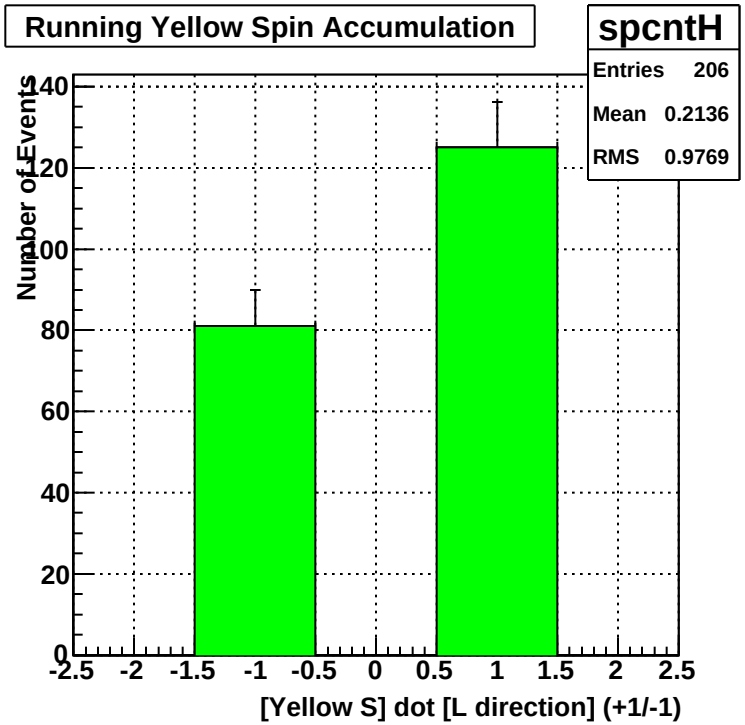
206) Rnum=7128045 EventN=6101506 (3 Yu-N[+])

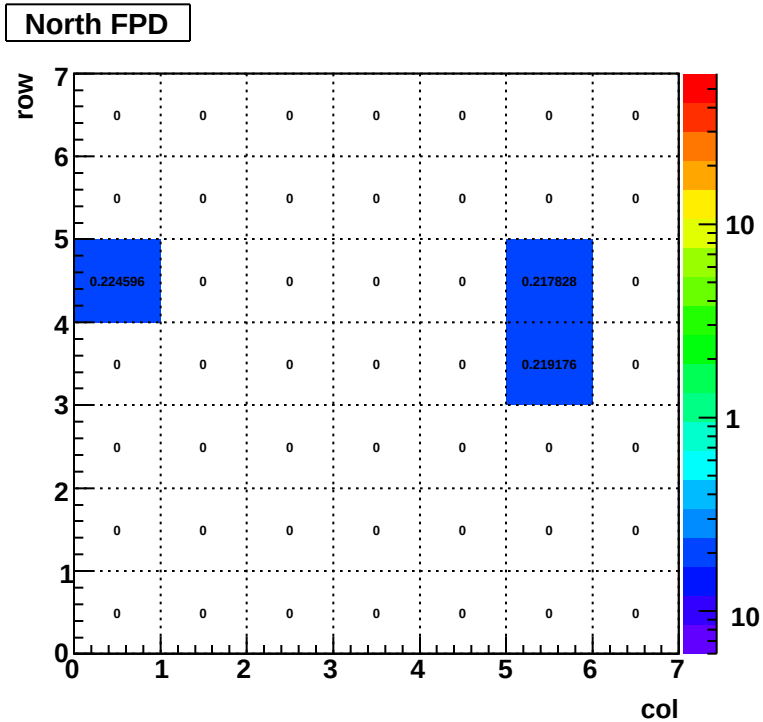
(1) Energy=44.953026 Y=-3.561725 Phi=-0.144317

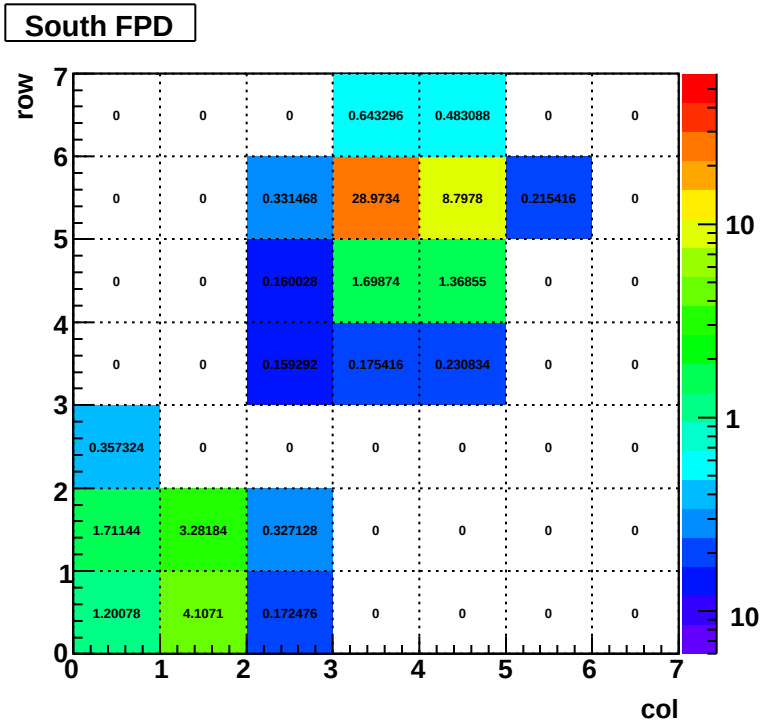
(2) Energy=10.914449 Y=-3.796949 Phi=0.283069

M12=0.542 Y12=-3.616 Phi12=-0.077 E12=55.867

SumN(-) = 81 SumN(+)= 125 AN/.6=0.356







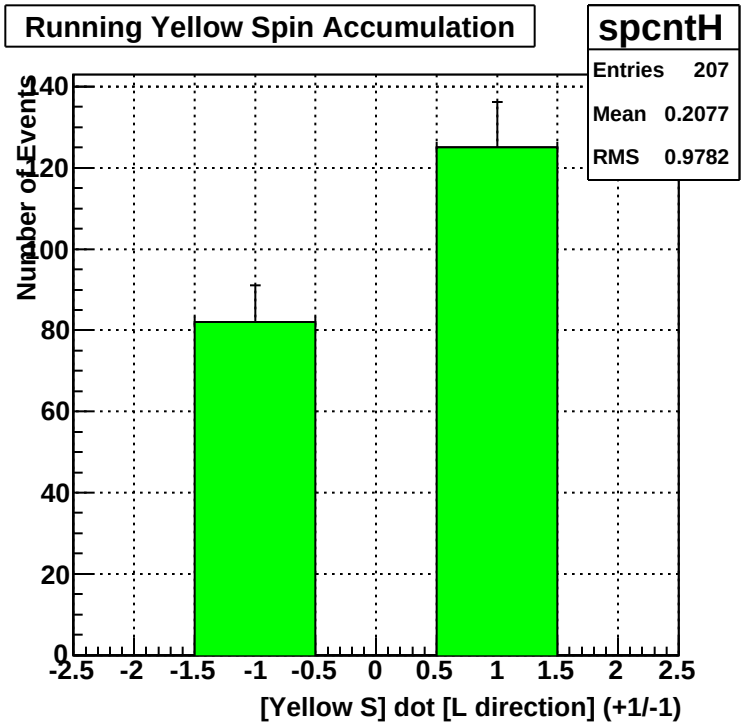
207) Rnum=7128048 EventN=2909914 (3 Yu-S[-])

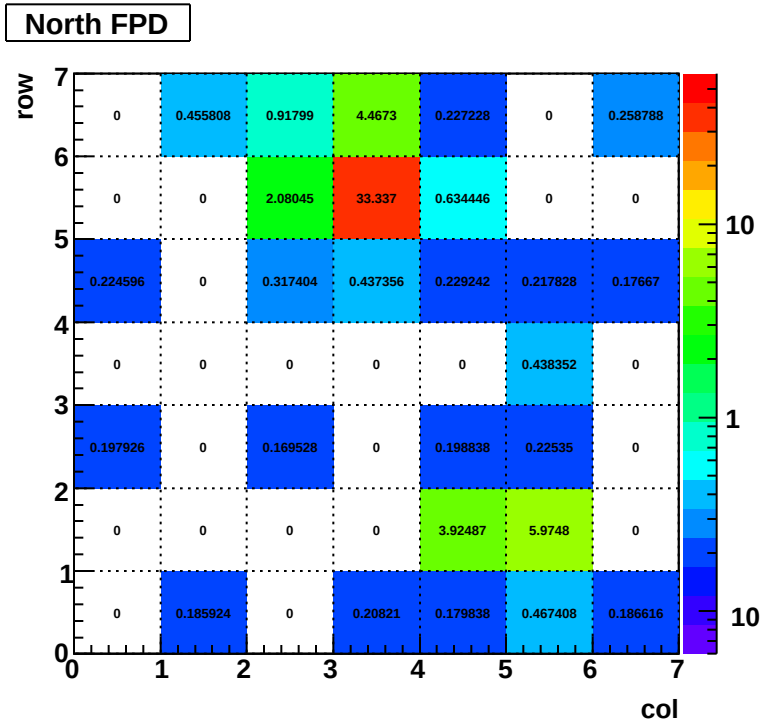
(1) Energy=45.246292 Y=-3.599212 Phi=-2.959676

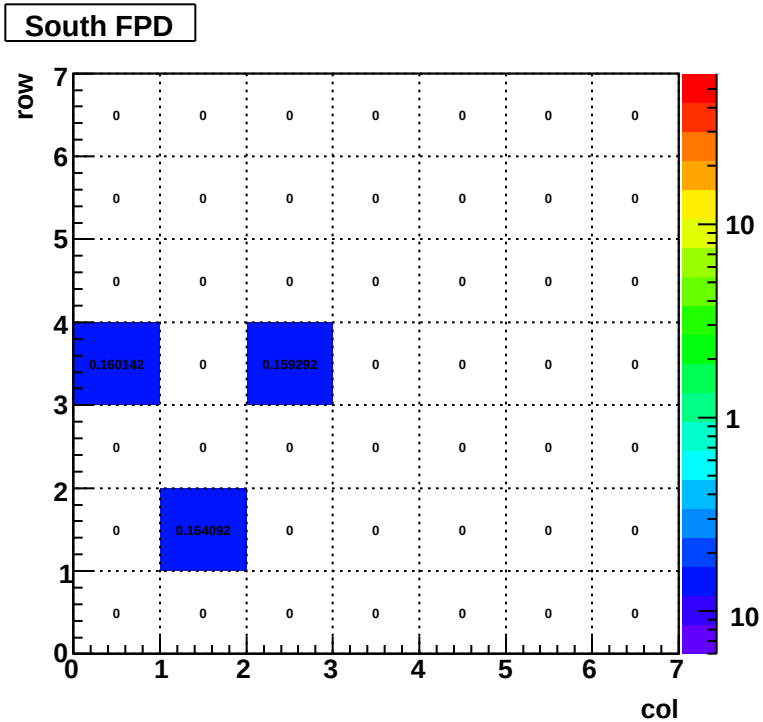
(2) Energy=11.717305 Y=-3.466541 Phi=2.975469

M12=0.498 Y12=-3.581 Phi12=-3.038 E12=56.964

SumN(-) = 82 SumN(+)= 125 AN/.6=0.346







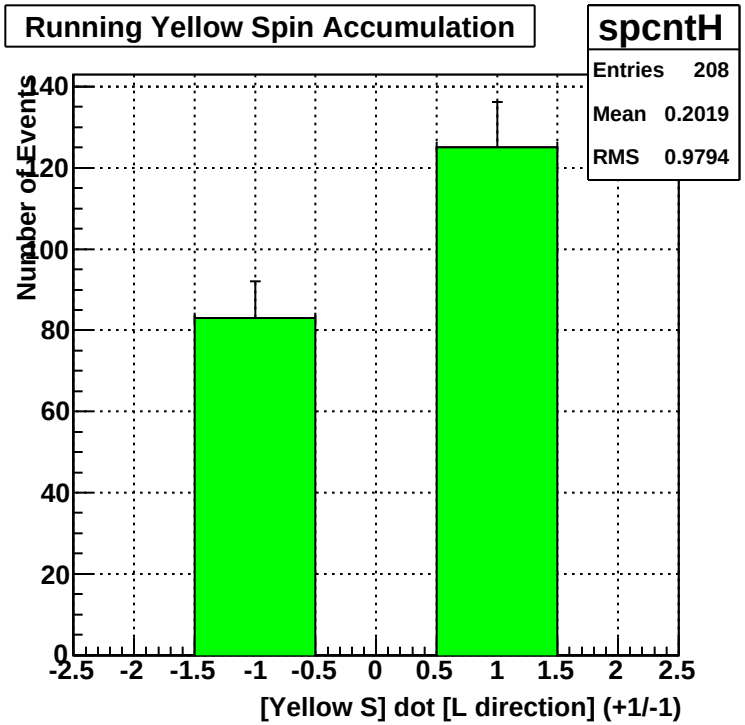
208) Rnum=7128048 EventN=3800606 (1 Yu-S[-])

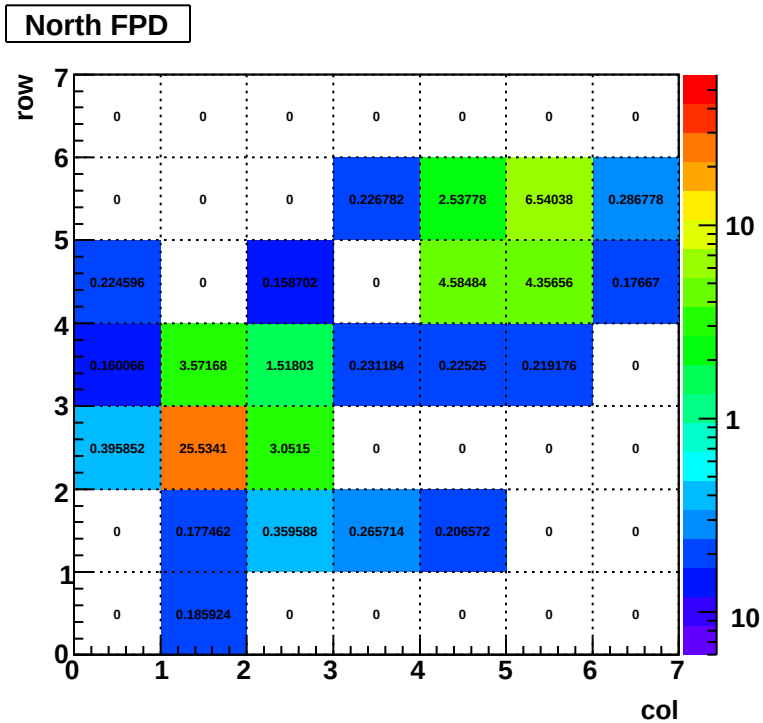
(1) Energy=36.806908 Y=-3.764673 Phi=3.052786

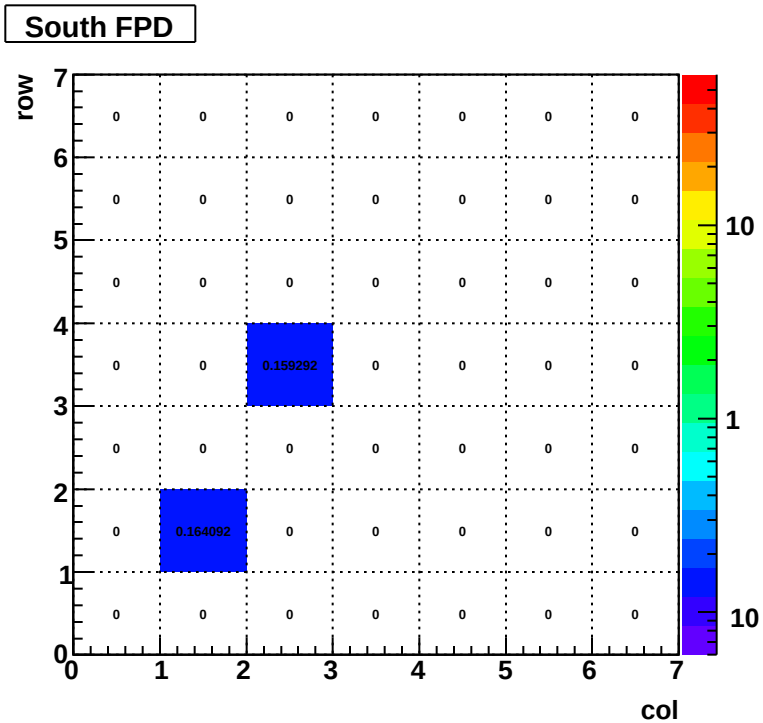
(2) Energy=18.846897 Y=-3.473920 Phi=-3.037774

M12=0.493 Y12=-3.661 Phi12=3.131 E12=55.654

SumN(-) = 83 SumN(+)= 125 AN/.6=0.337







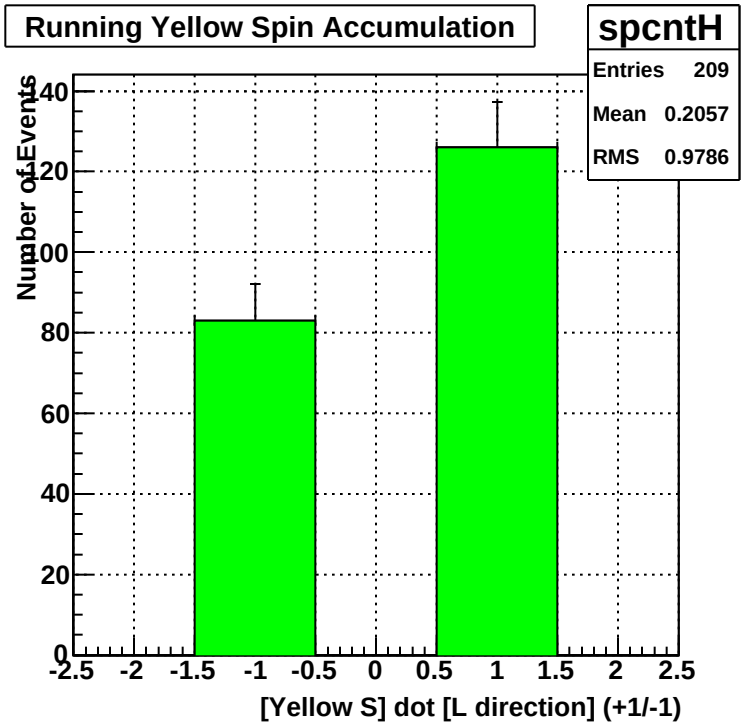
209) Rnum=7128048 EventN=7708065 (1 Yu-N[+])

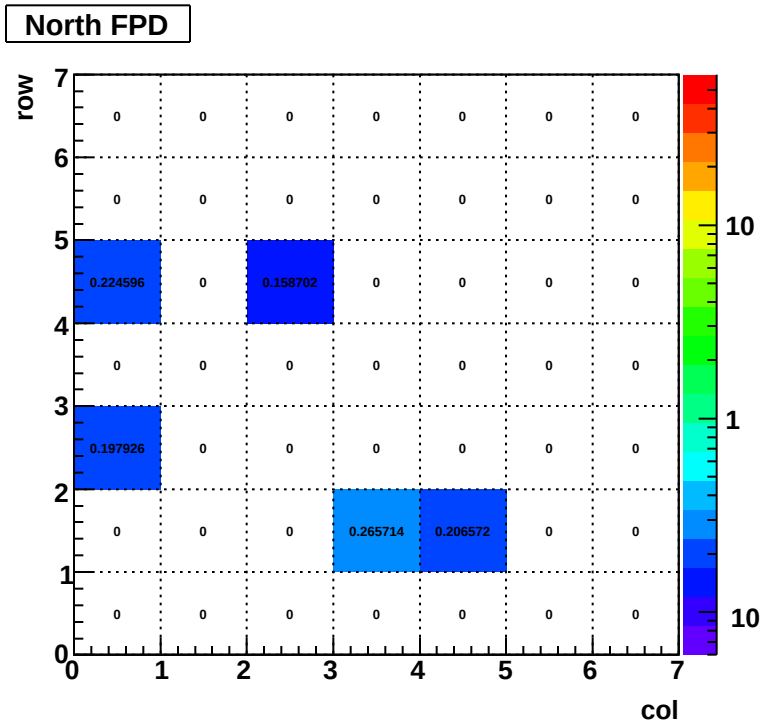
(1) Energy=32.004868 Y=-3.664728 Phi=-0.056677

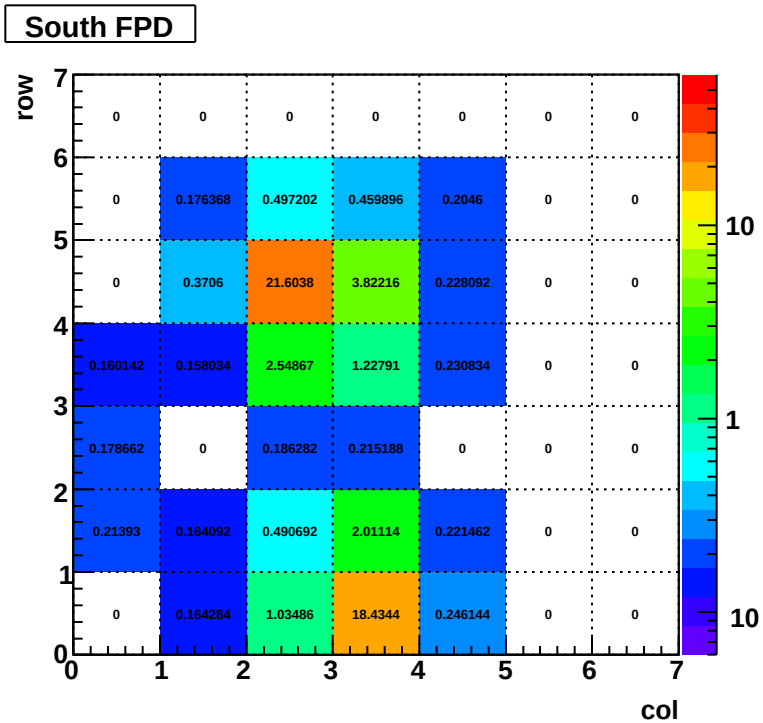
(2) Energy=24.552286 Y=-3.582988 Phi=0.251118

M12=0.474 Y12=-3.640 Phi12=0.083 E12=56.557

SumN(-) = 83 SumN(+)= 126 AN/.6=0.343







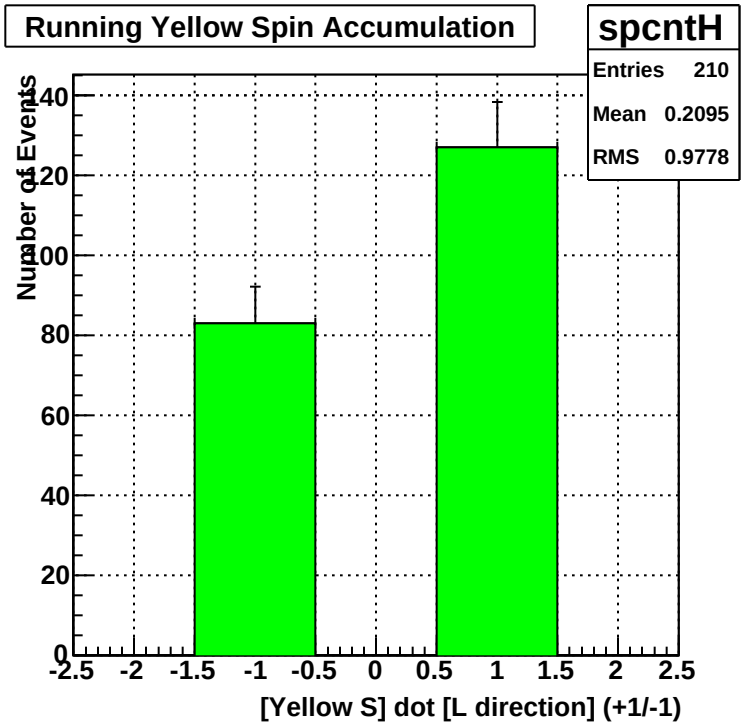
210) Rnum=7128050 EventN=3000574 (0 Yd-S[+])

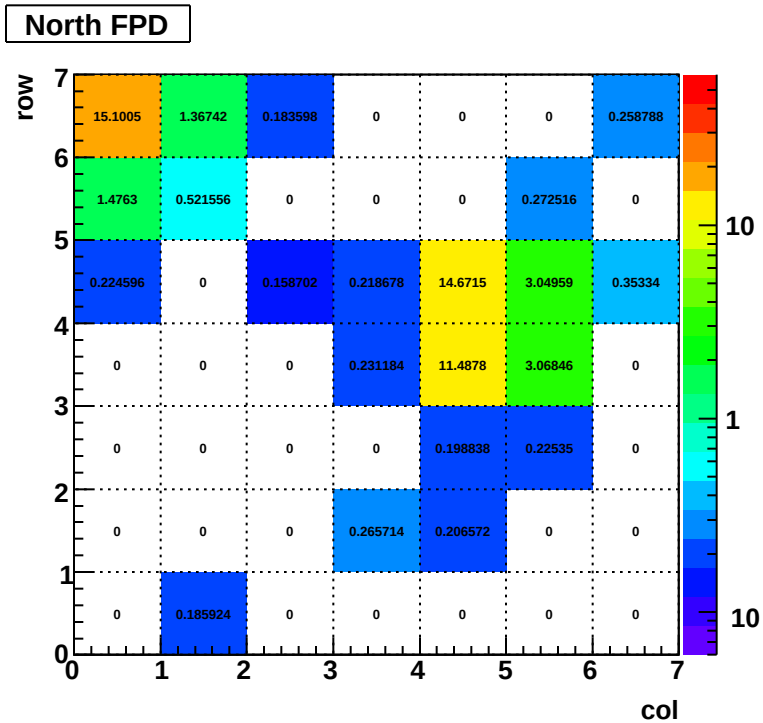
(1) Energy=20.411667 Y=-3.839834 Phi=-2.846369

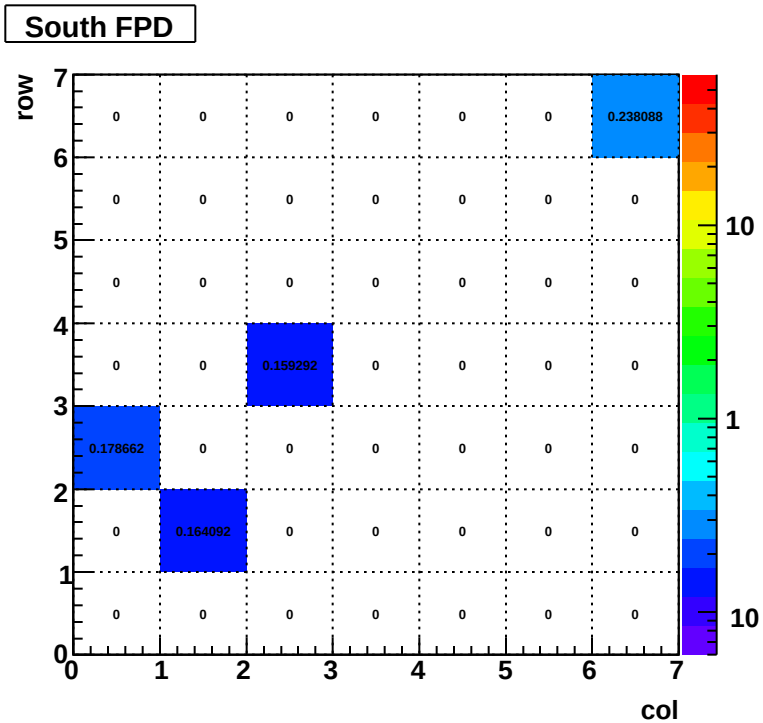
(2) Energy=34.774845 Y=-3.496153 Phi=-3.112970

M12=0.592 Y12=-3.617 Phi12=-3.035 E12=55.187

SumN(-) = 83 SumN(+)= 127 AN/.6=0.349







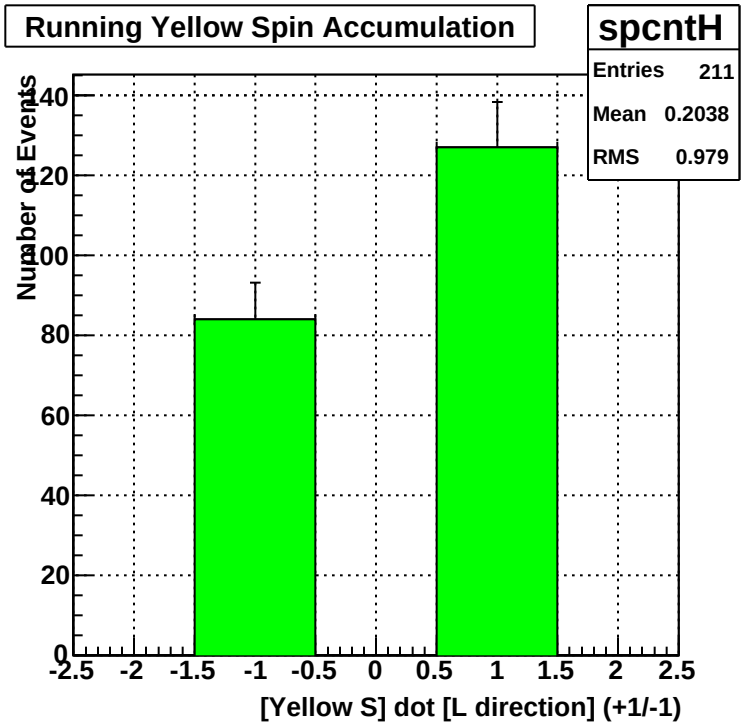
211) Rnum=7128051 EventN=3006694 (3 Yu-S[-])

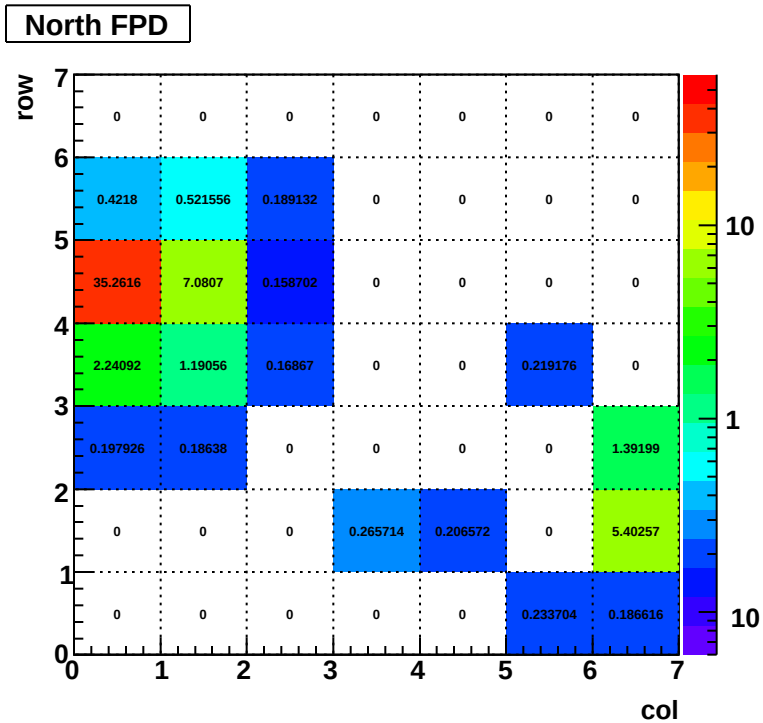
(1) Energy=50.260387 Y=-3.864938 Phi=-3.061480

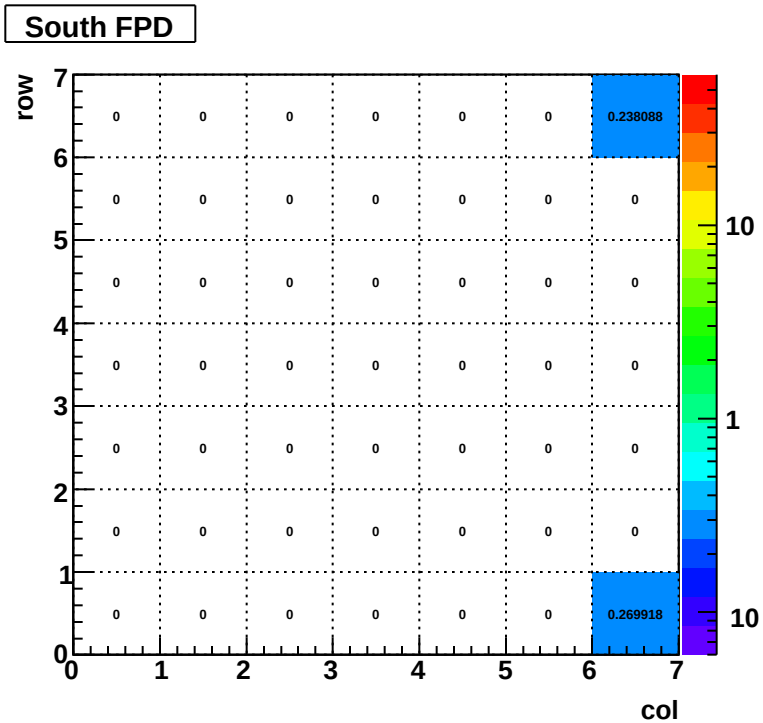
(2) Energy=8.297109 Y=-3.379728 Phi=3.017740

M12=0.579 Y12=-3.784 Phi12=-3.104 E12=58.557

SumN(-) = 84 SumN(+)= 127 AN/.6=0.340







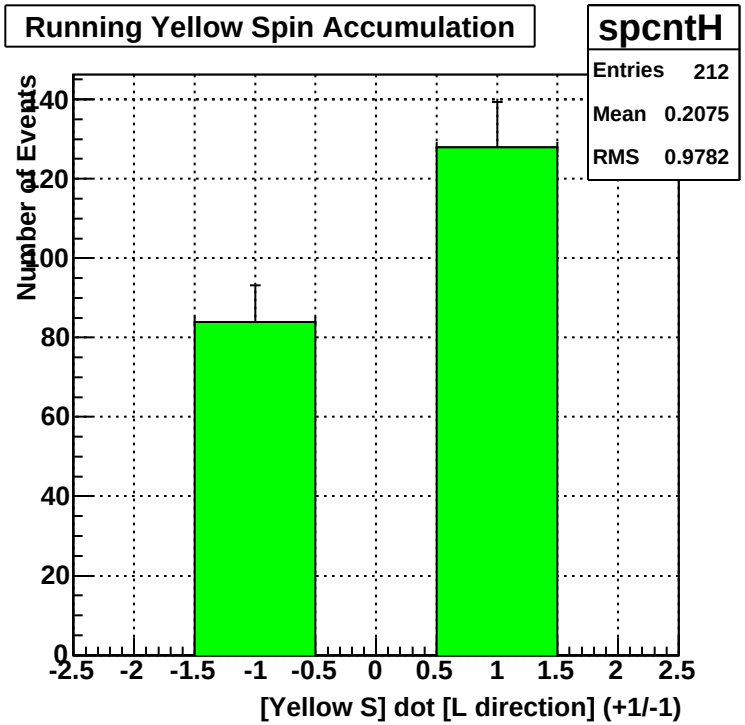
212) Rnum=7128051 EventN=3204945 (0 Yd-S[+])

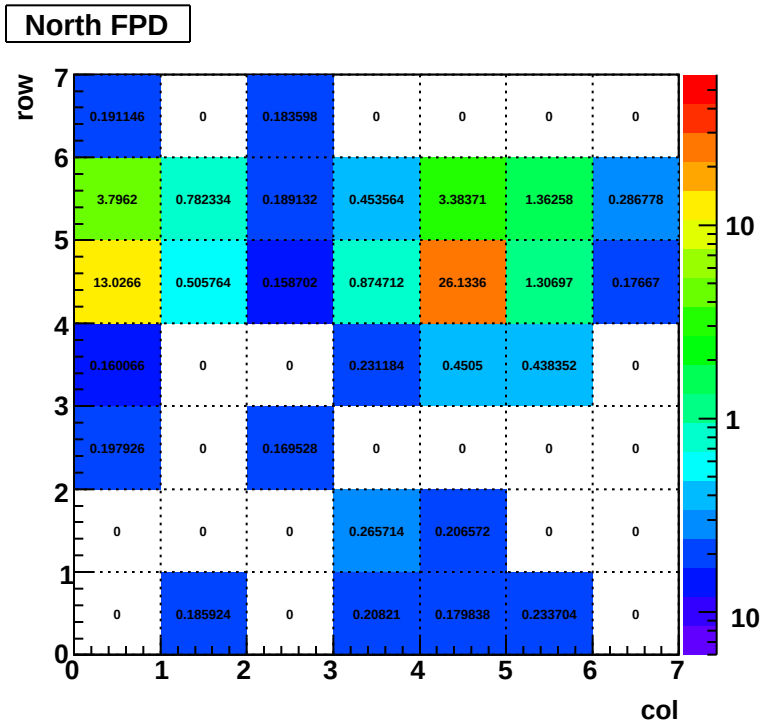
(1) Energy=35.493668 Y=-3.511747 Phi=-3.054373

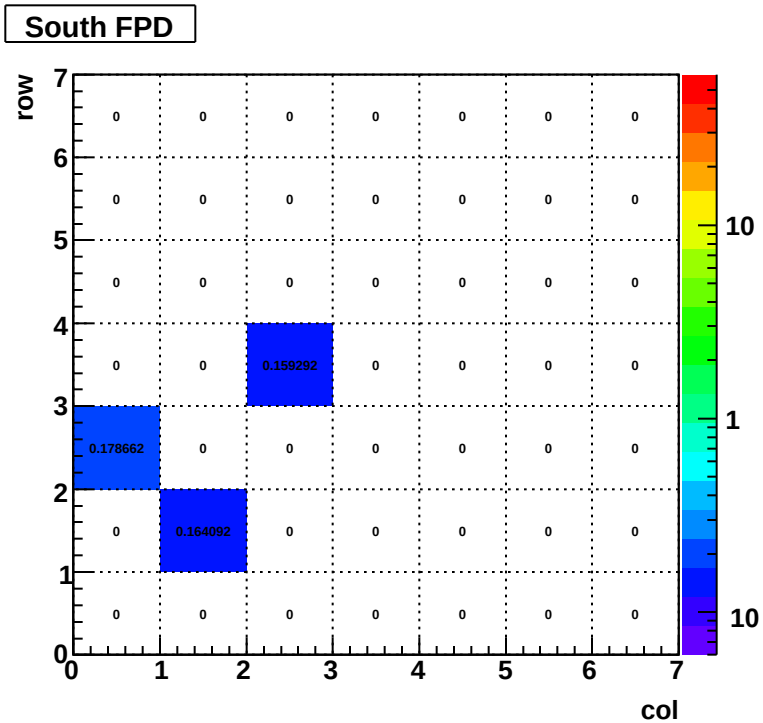
(2) Energy=19.786509 Y=-3.889573 Phi=-2.999216

M12=0.503 Y12=-3.632 Phi12=-3.039 E12=55.280

SumN(-) = 84 SumN(+)= 128 AN/.6=0.346







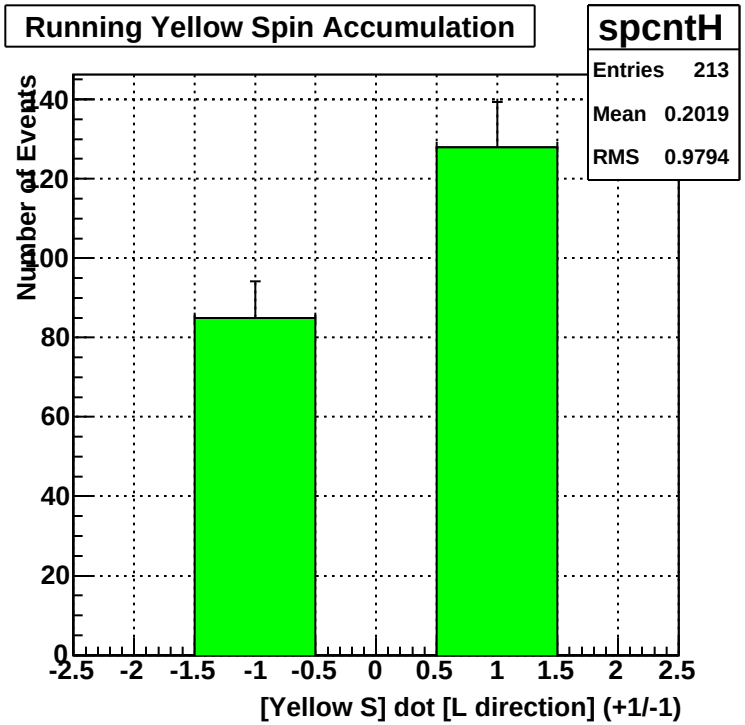
213) Rnum=7128051 EventN=409550 (1 Yu-S[-])

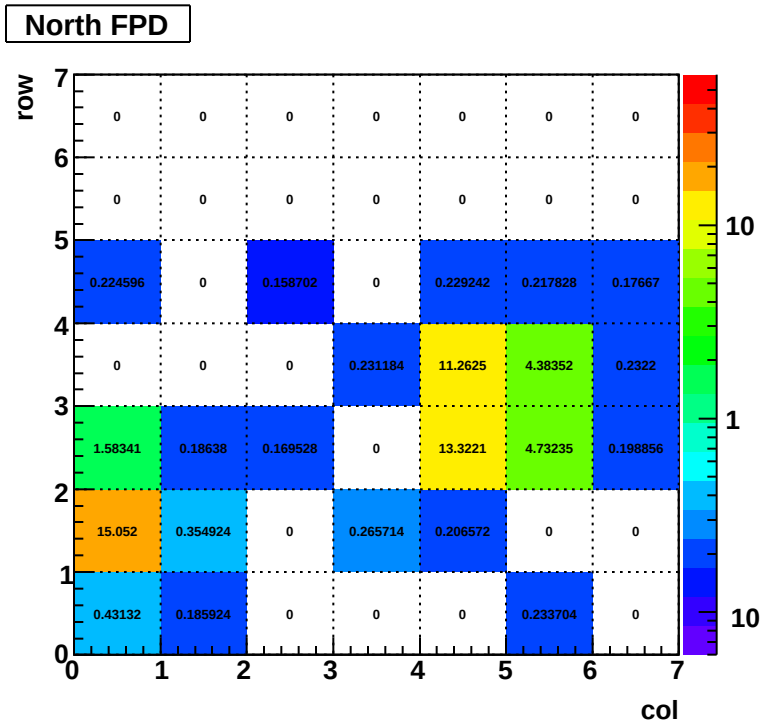
(1) Energy=20.435143 Y=-3.899986 Phi=2.913417

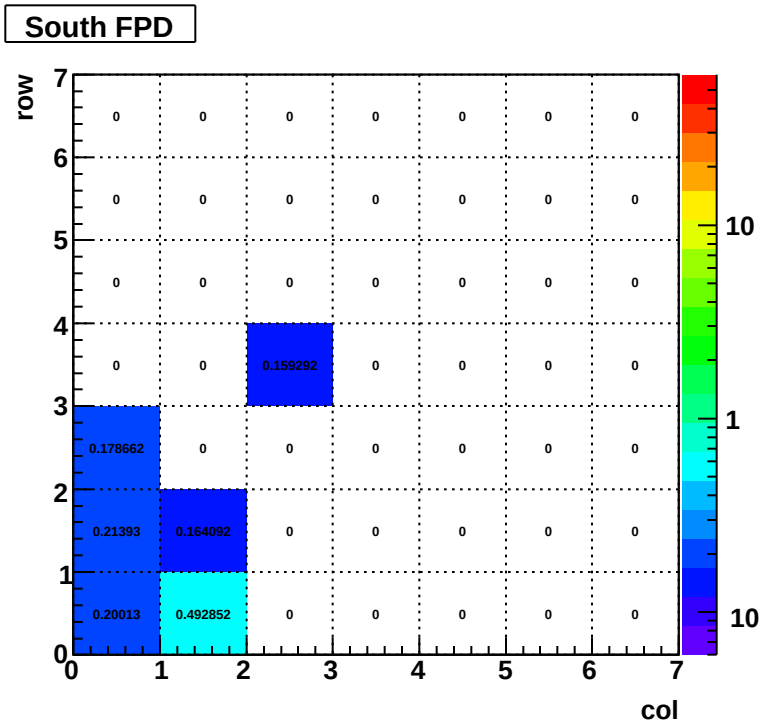
(2) Energy=36.236904 Y=-3.489598 Phi=3.090693

M12=0.608 Y12=-3.622 Phi12=3.042 E12=56.672

SumN(-) = 85 SumN(+)= 128 AN/.6=0.336







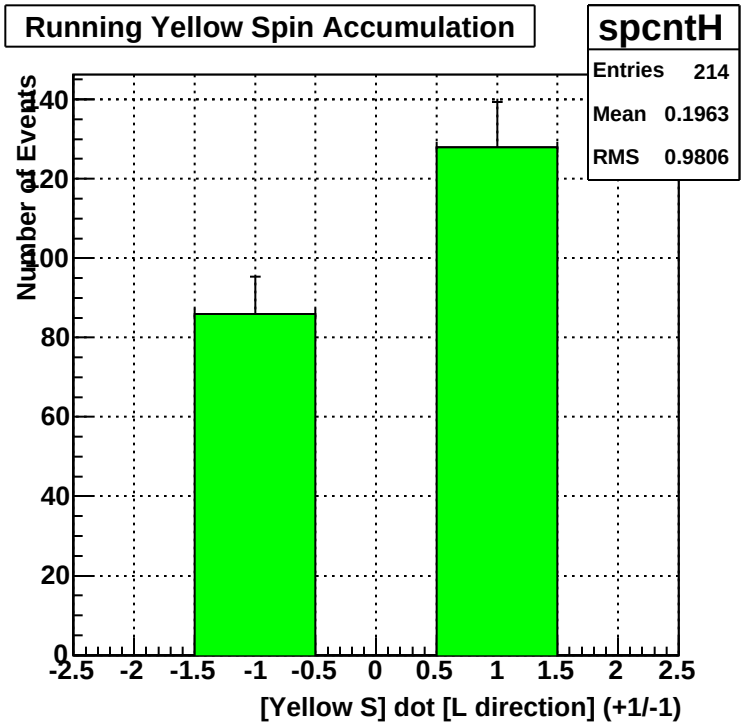
214) Rnum=7128051 EventN=2208857 (2 Yd-N[-])

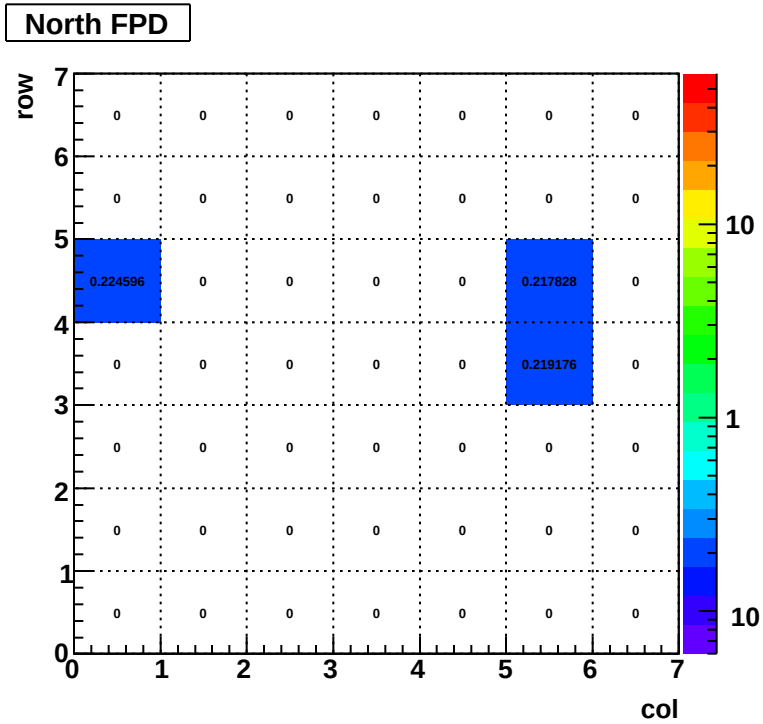
(1) Energy=45.633286 Y=-3.625320 Phi=-0.175798

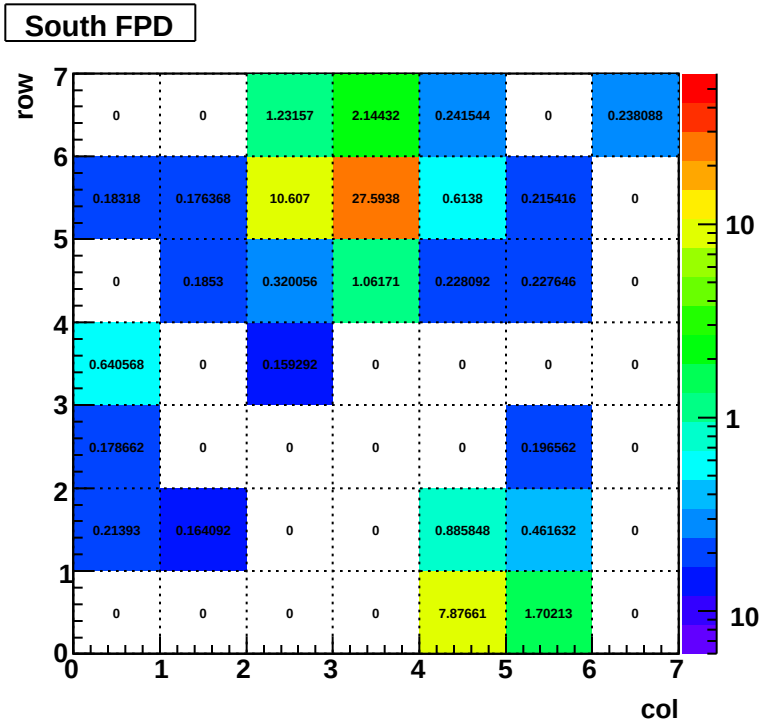
(2) Energy=11.958522 Y=-3.470465 Phi=0.222708

M12=0.571 Y12=-3.605 Phi12=-0.083 E12=57.592

SumN(-) = 86 SumN(+)= 128 AN/.6=0.327







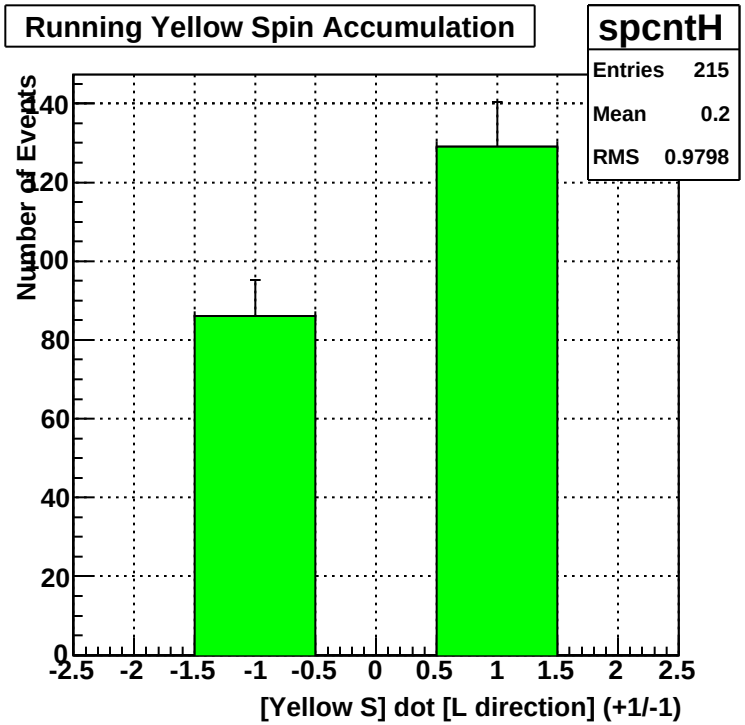
215) Rnum=7128057 EventN=200113 (1 Yu-N[+])

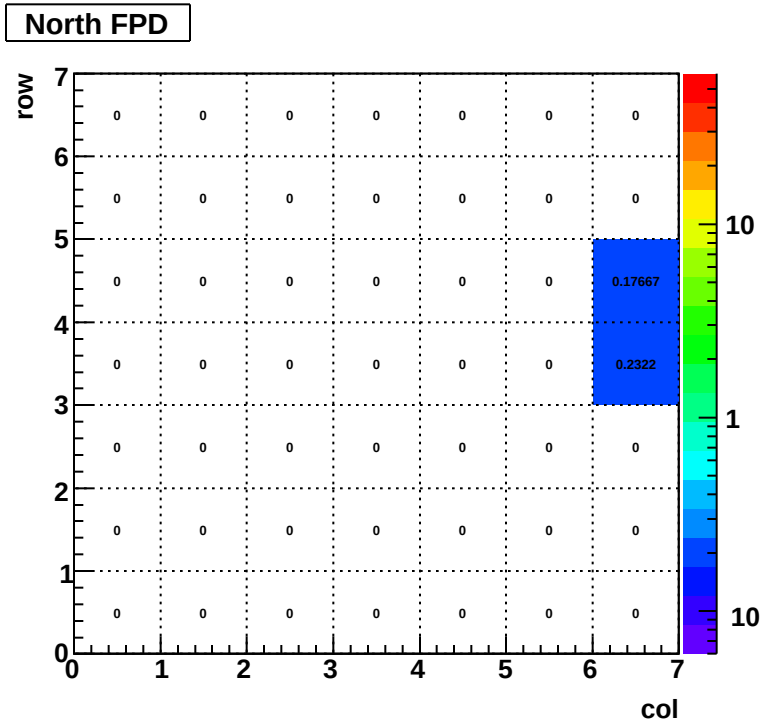
(1) Energy=33.133770 Y=-3.636680 Phi=-0.049289

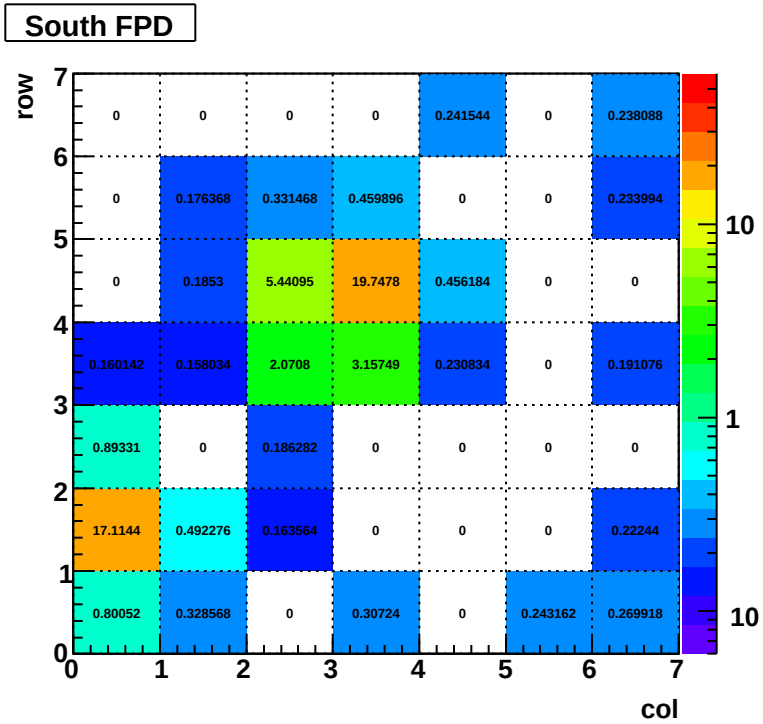
(2) Energy=22.551512 Y=-3.896014 Phi=0.253752

M12=0.504 Y12=-3.744 Phi12=0.055 E12=55.685

SumN(-) = 86 SumN(+)= 129 AN/.6=0.333







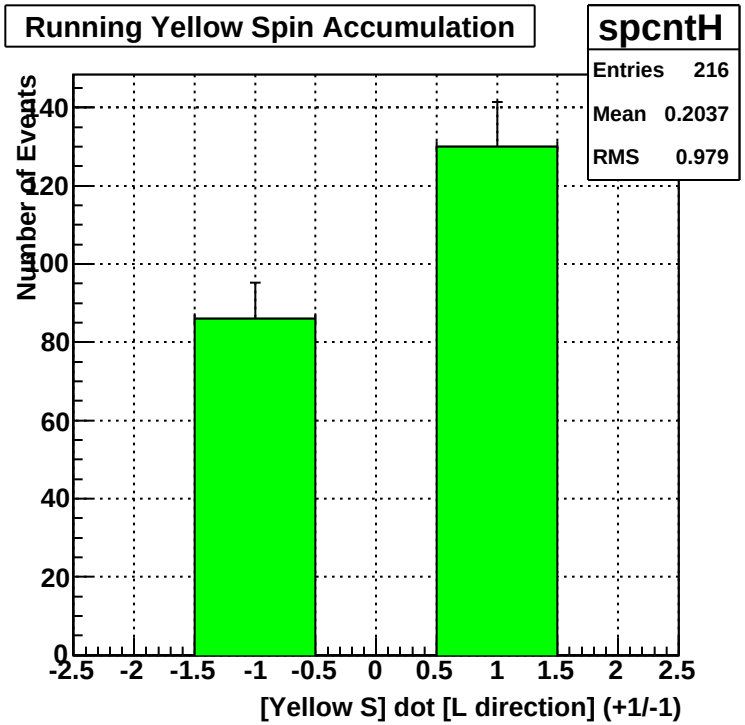
216) Rnum=7128057 EventN=705203 (3 Yu-N[+])

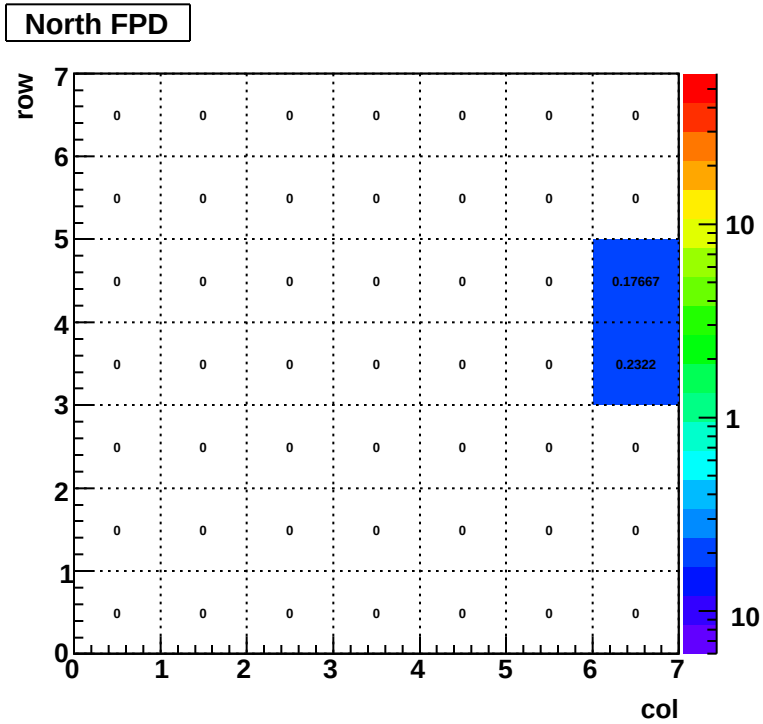
(1) Energy=31.449680 Y=-3.733509 Phi=0.290376

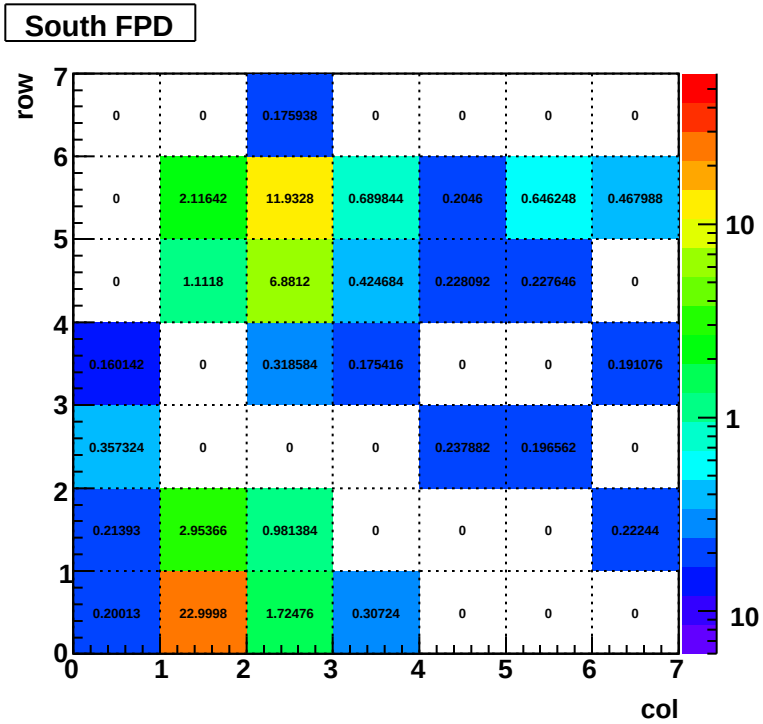
(2) Energy=23.984259 Y=-3.710473 Phi=-0.134597

M12=0.561 Y12=-3.746 Phi12=0.104 E12=55.434

SumN(-) = 86 SumN(+)= 130 AN/.6=0.340







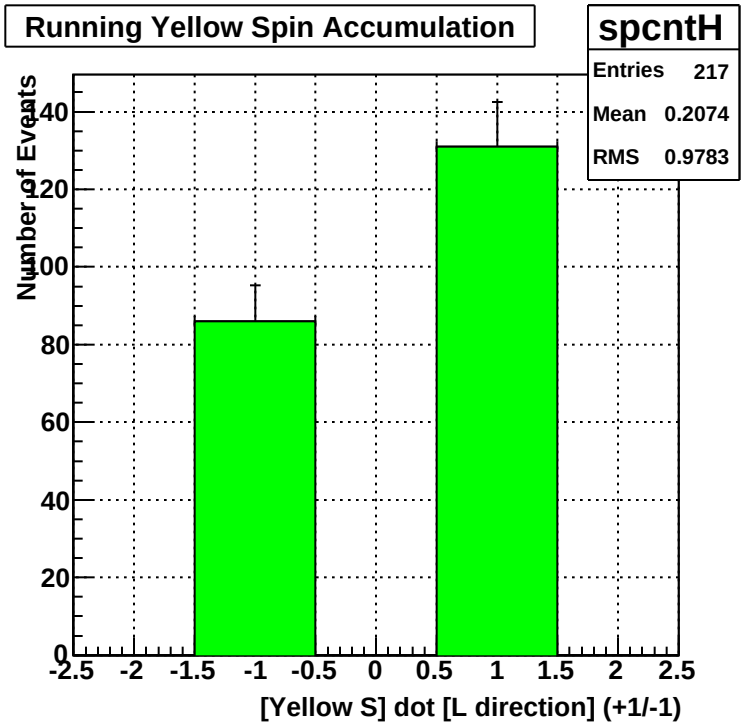
217) Rnum=7128057 EventN=1904057 (2 Yd-S[+])

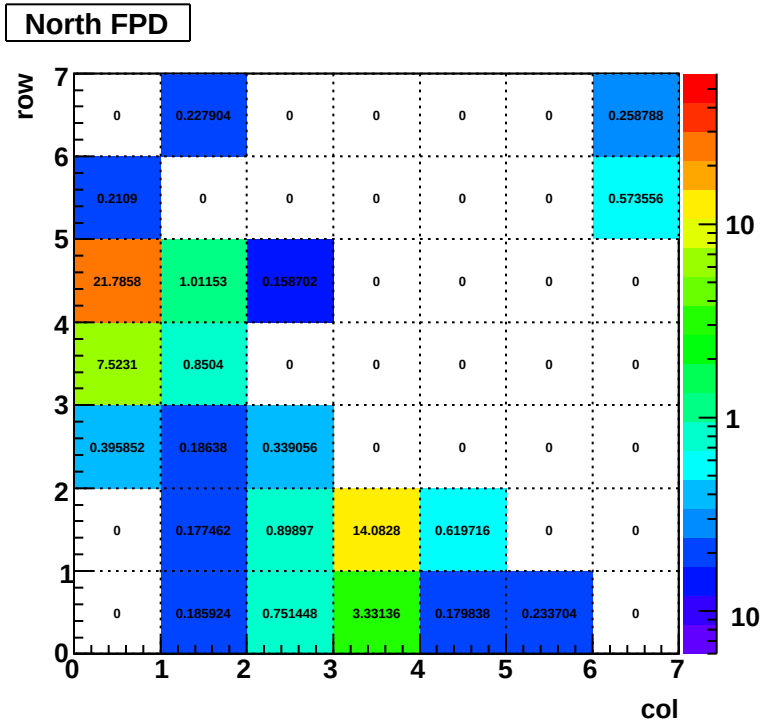
(1) Energy=34.805725 Y=-3.900929 Phi=-3.089013

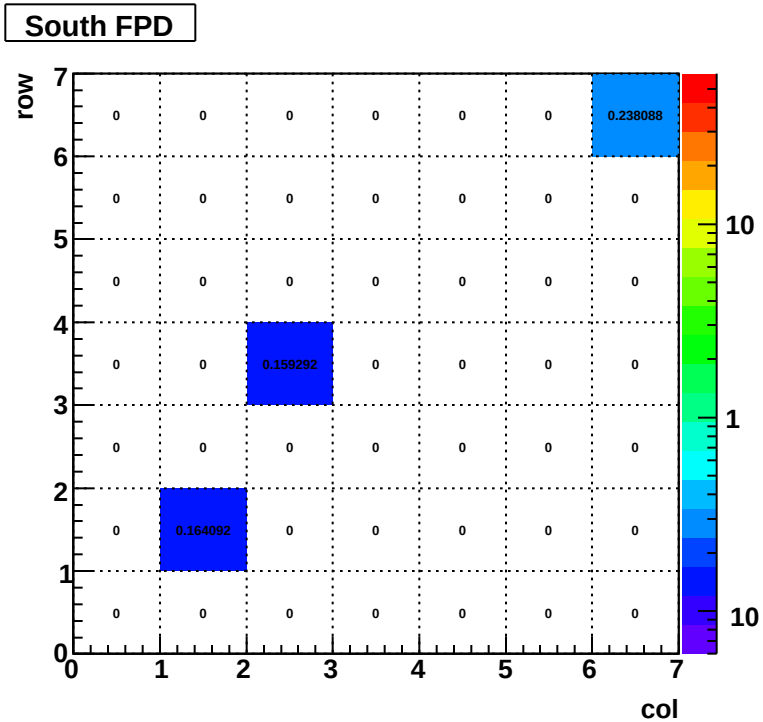
(2) Energy=21.005486 Y=-3.592066 Phi=2.926685

M12=0.522 Y12=-3.782 Phi12=3.074 E12=55.811

SumN(-) = 86 SumN(+)= 131 AN/.6=0.346







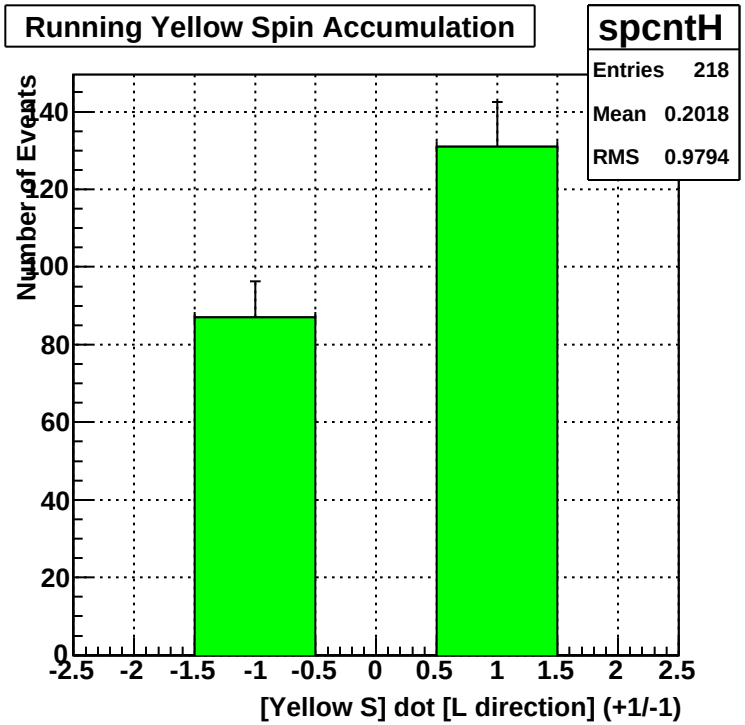
218) Rnum=7128059 EventN=3300612 (1 Yu-S[-])

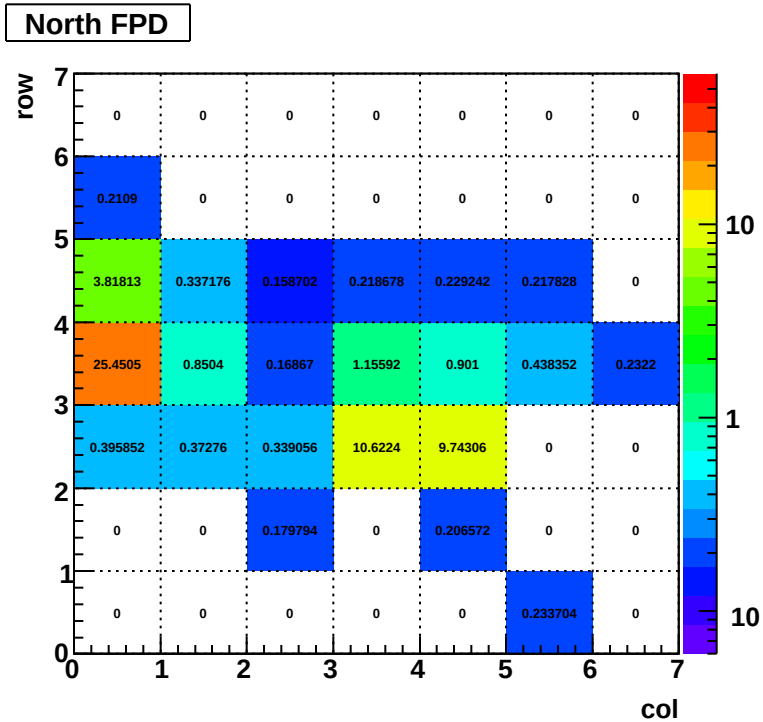
(1) Energy=35.133961 Y=-3.916922 Phi=-3.127013

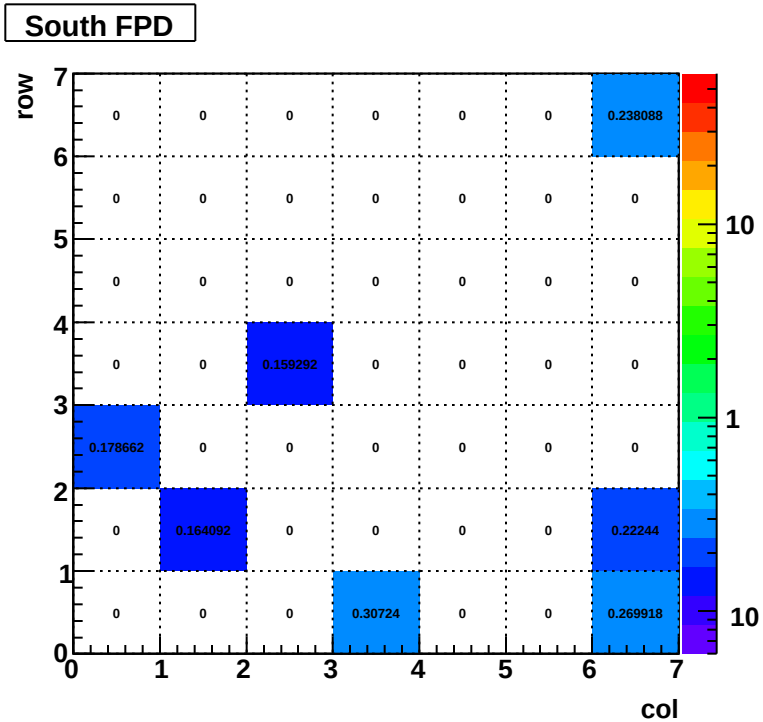
(2) Energy=24.642328 Y=-3.559634 Phi=3.059993

M12=0.520 Y12=-3.755 Phi12=3.108 E12=59.776

SumN(-) = 87 SumN(+)= 131 AN/.6=0.336







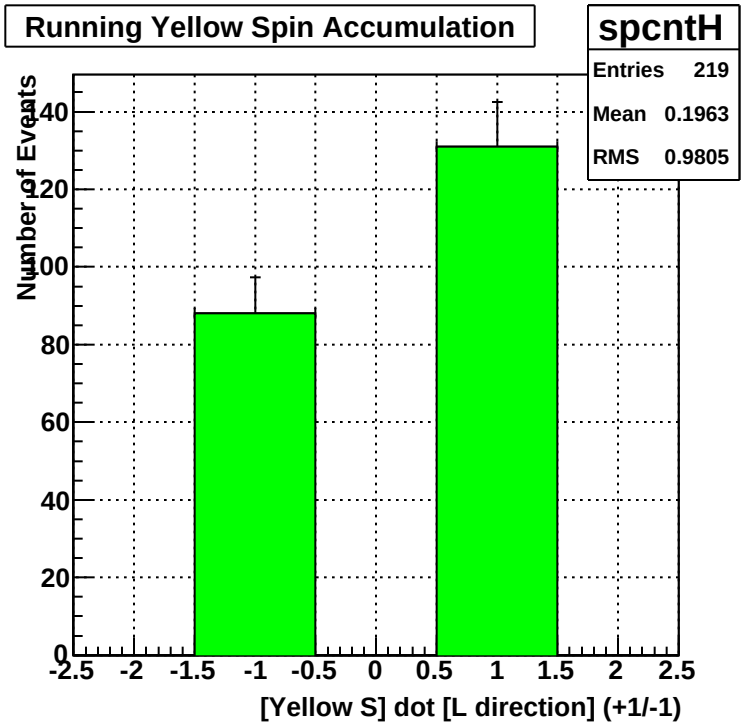
219) Rnum=7128059 EventN=1000909 (3 Yu-S[-])

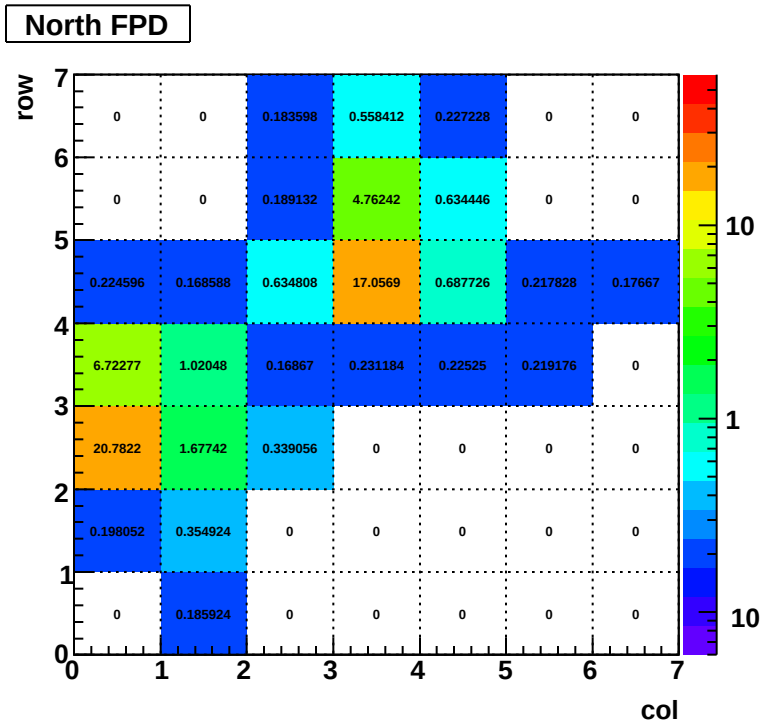
(1) Energy=33.218575 Y=-3.884032 Phi=3.054893

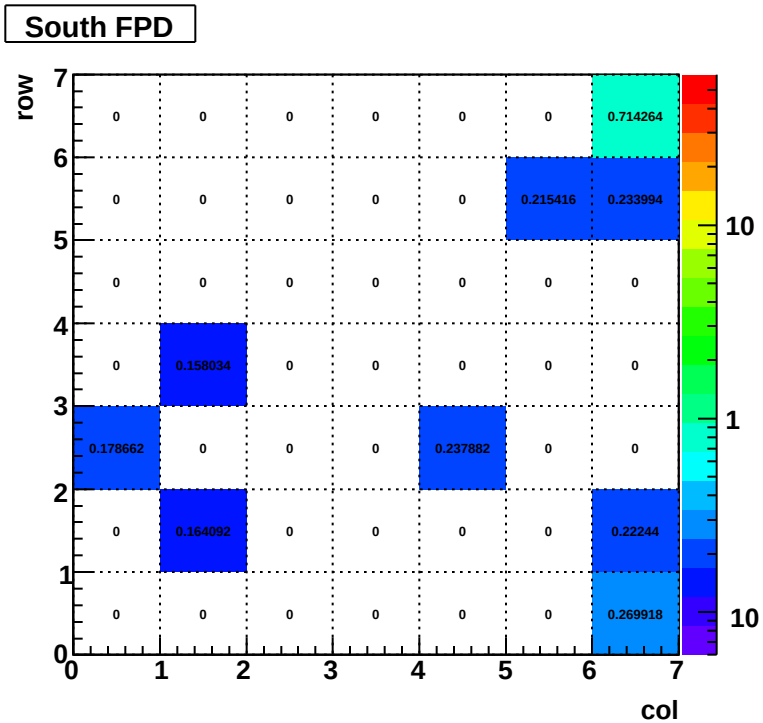
(2) Energy=25.803123 Y=-3.594779 Phi=-3.036744

M12=0.483 Y12=-3.752 Phi12=-3.131 E12=59.022

SumN(-) = 88 SumN(+)= 131 AN/.6=0.327







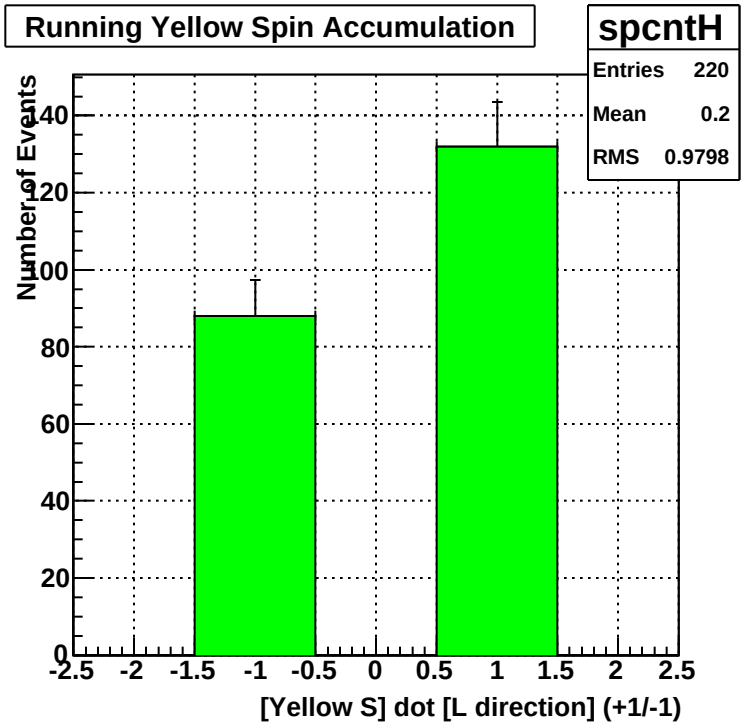
220) Rnum=7128059 EventN=1907266 (3 Yu-N[+])

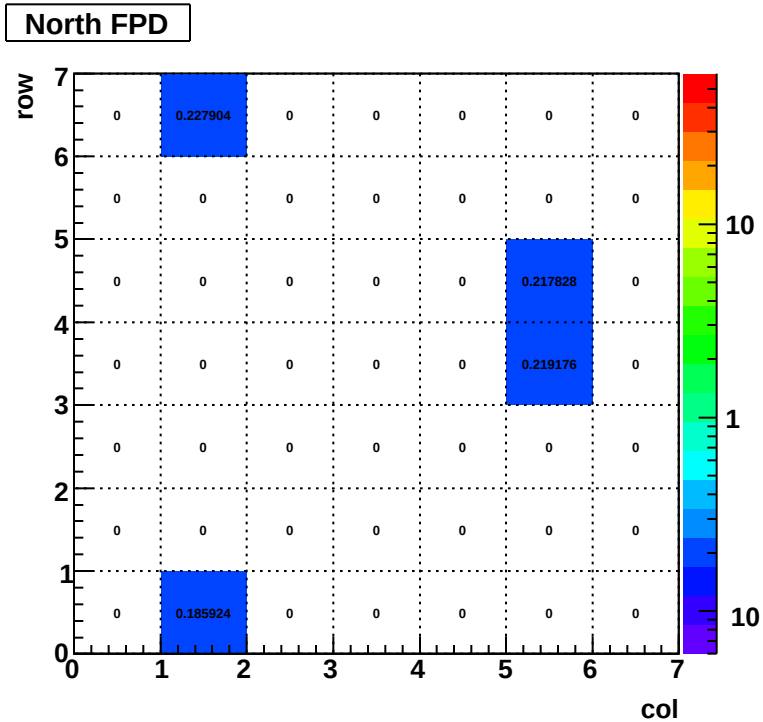
(1) Energy=37.060848 Y=-3.795295 Phi=-0.054997

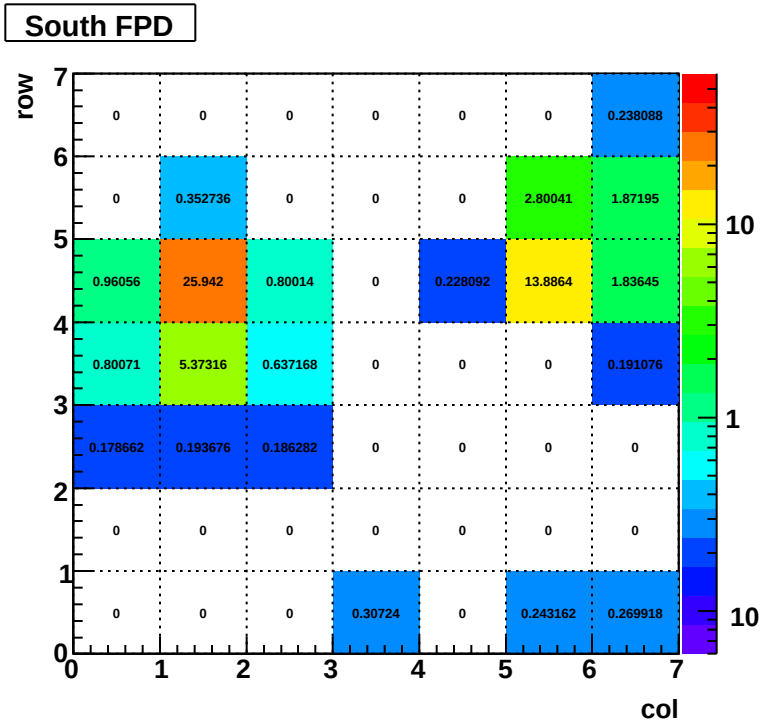
(2) Energy=21.864027 Y=-3.420750 Phi=-0.086049

M12=0.583 Y12=-3.640 Phi12=-0.069 E12=58.925

SumN(-) = 88 SumN(+)= 132 AN/.6=0.333







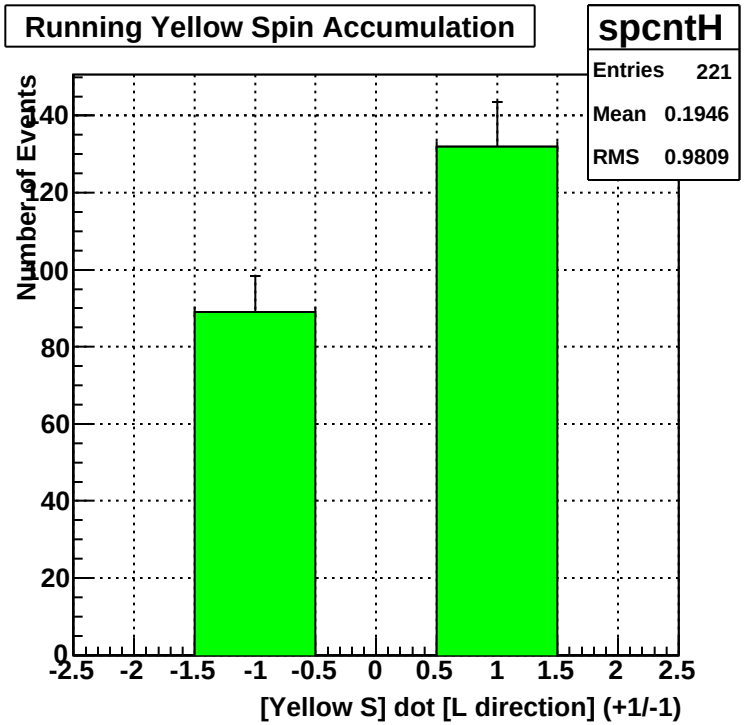
221) Rnum=7128061 EventN=3506486 (1 Yu-S[-])

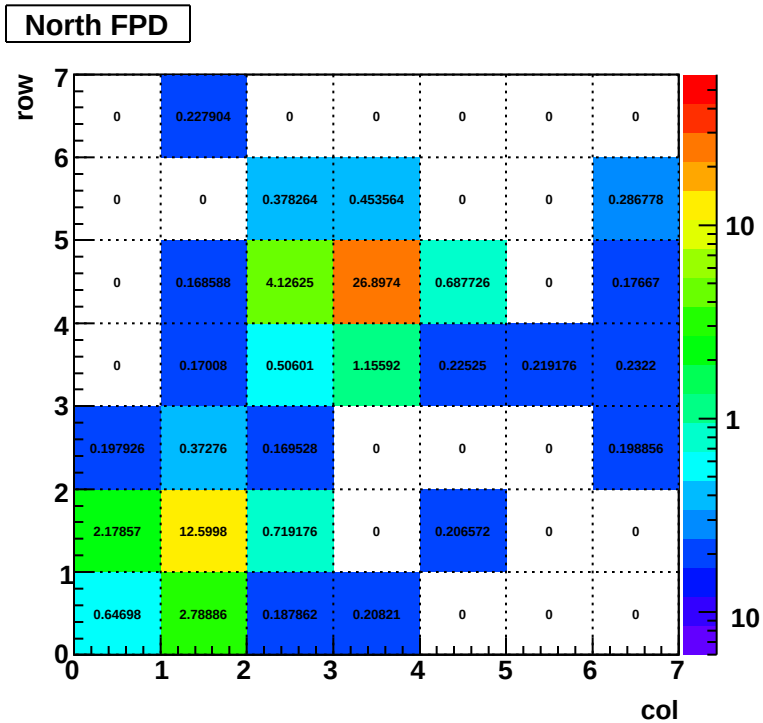
(1) Energy=36.574837 Y=-3.625776 Phi=-3.072312

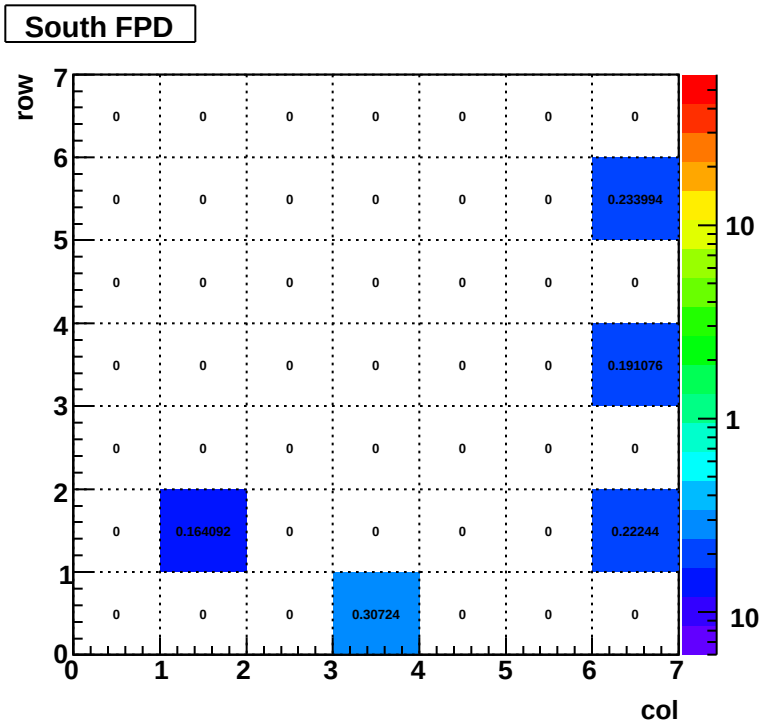
(2) Energy=19.825737 Y=-3.789924 Phi=2.880377

M12=0.485 Y12=-3.692 Phi12=3.107 E12=56.401

SumN(-) = 89 SumN(+)= 132 AN/.6=0.324







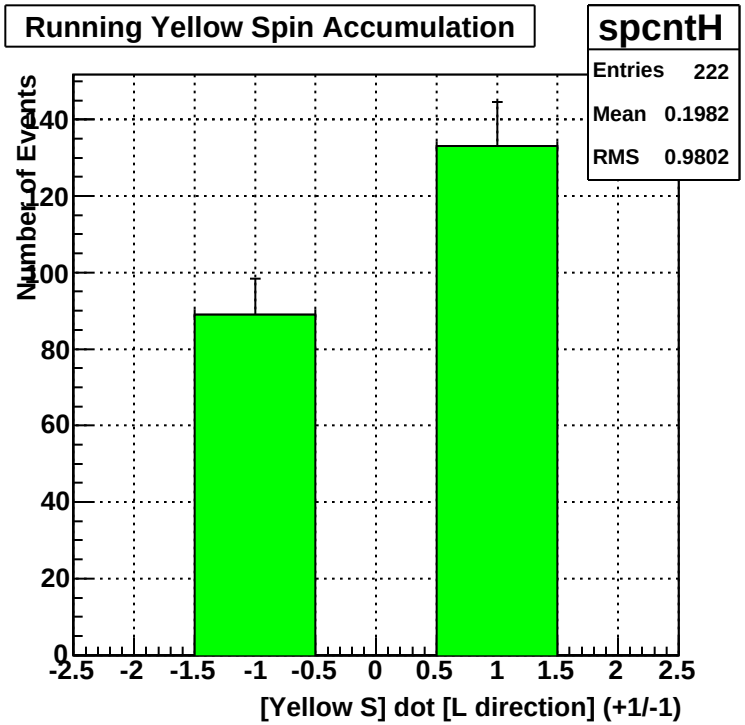
222) Rnum=7128061 EventN=406120 (2 Yd-S[+])

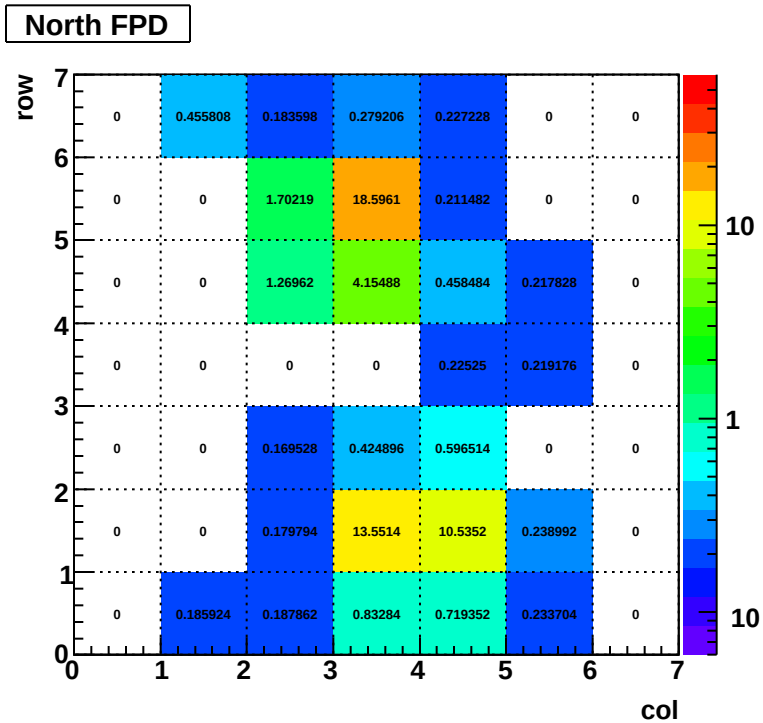
(1) Energy=28.129286 Y=-3.614002 Phi=-3.009637

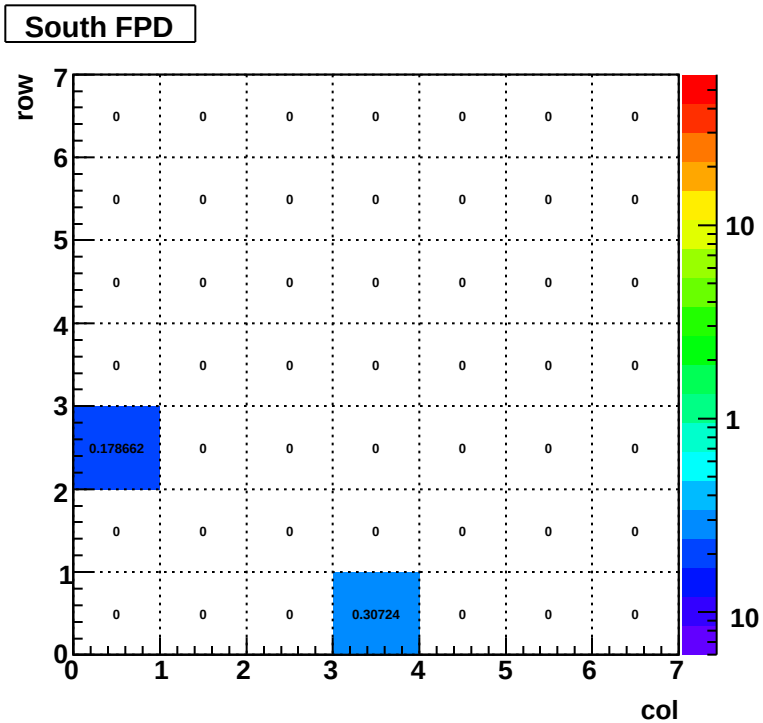
(2) Energy=28.464746 Y=-3.547484 Phi=2.960419

M12=0.502 Y12=-3.592 Phi12=3.111 E12=56.594

SumN(-) = 89 SumN(+)= 133 AN/.6=0.330







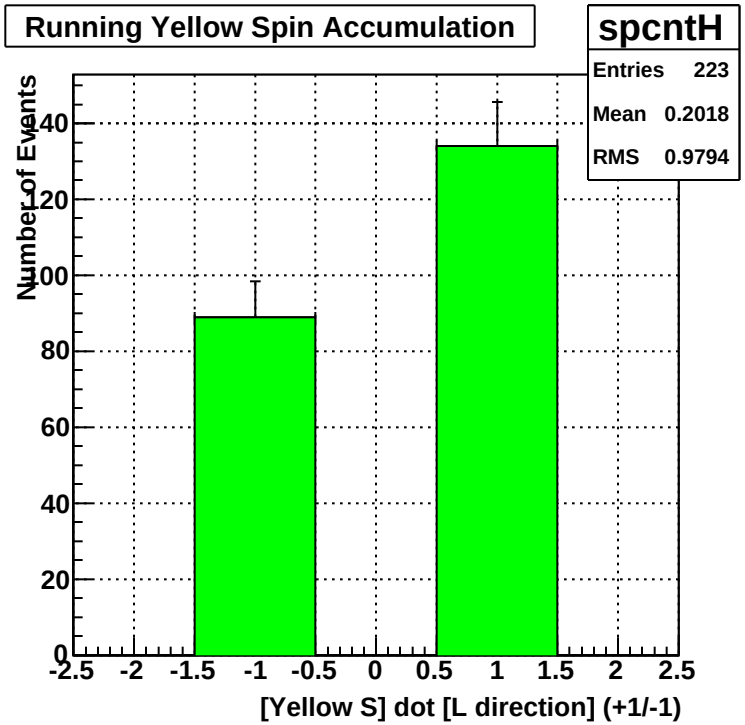
223) Rnum=7128061 EventN=907135 (0 Yd-S[+])

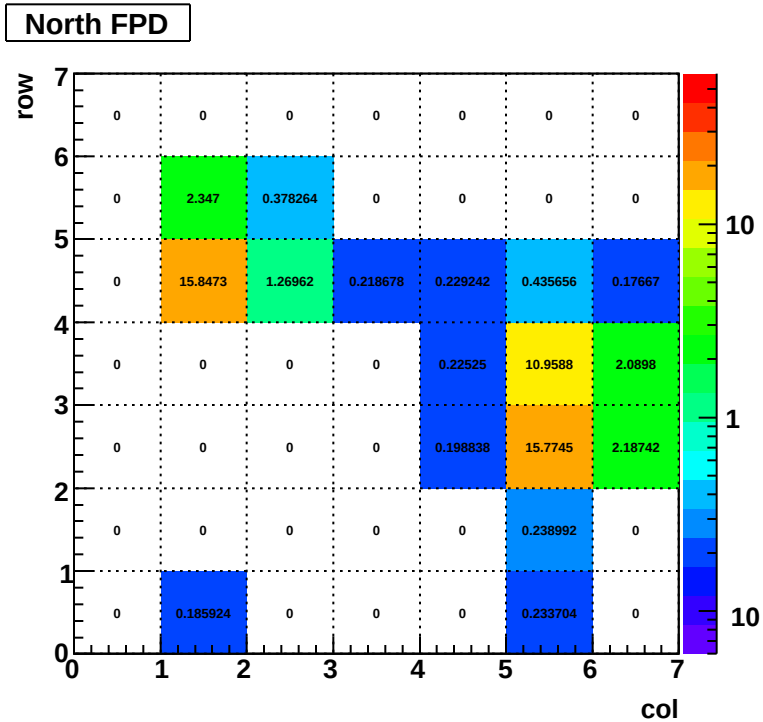
(1) Energy=21.924595 Y=-3.773965 Phi=-3.026892

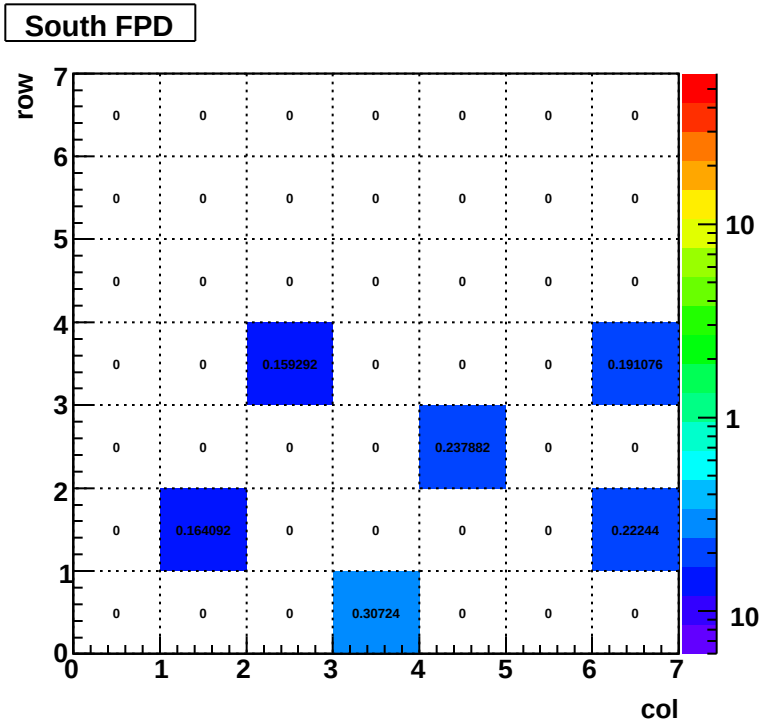
(2) Energy=33.450485 Y=-3.425140 Phi=3.092697

M12=0.572 Y12=-3.552 Phi12=-3.139 E12=55.375

SumN(-) = 89 SumN(+)= 134 AN/.6=0.336







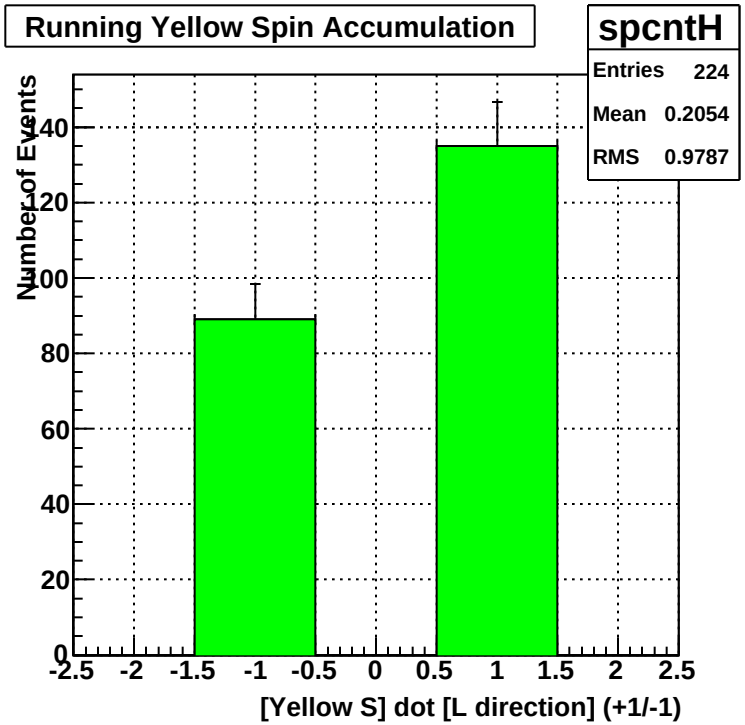
224) Rnum=7128061 EventN=1107557 (2 Yd-S[+])

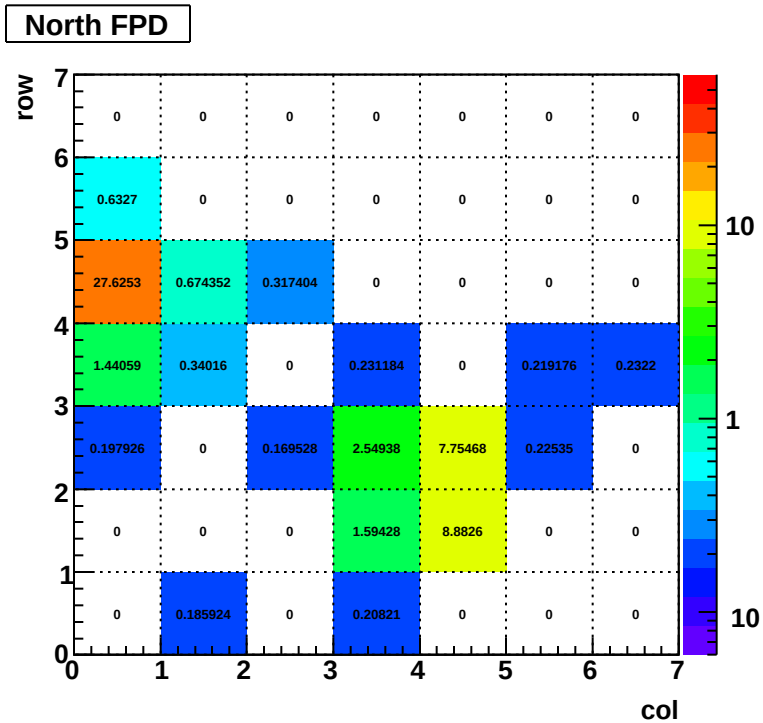
(1) Energy=35.912704 Y=-3.919079 Phi=-3.050267

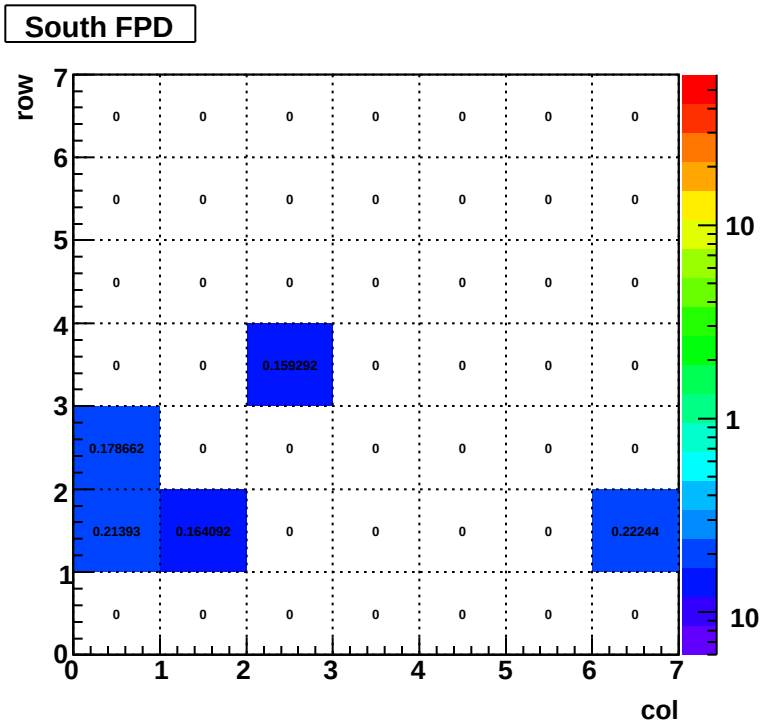
(2) Energy=22.384441 Y=-3.539235 Phi=3.007022

M12=0.604 Y12=-3.762 Phi12=3.125 E12=58.297

SumN(-) = 89 SumN(+)= 135 AN/.6=0.342







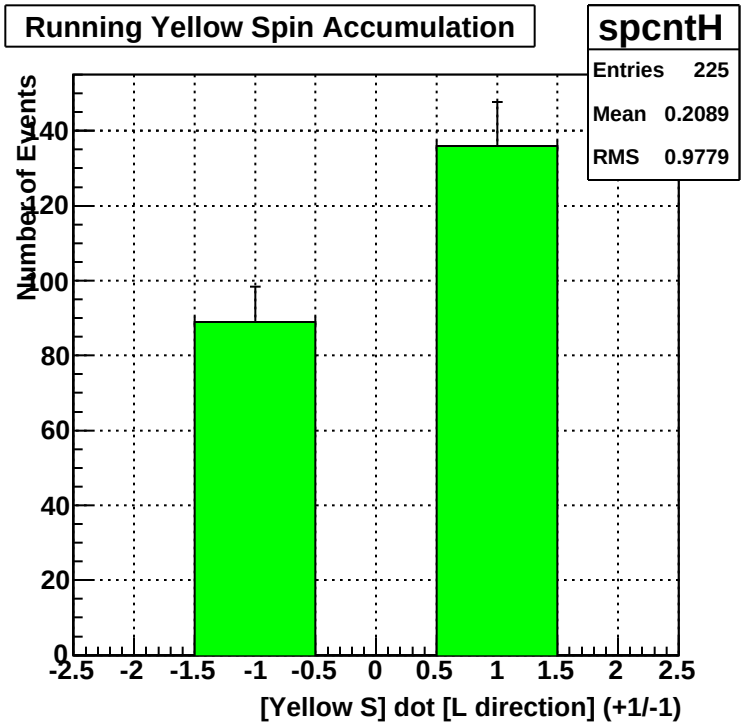
225) Rnum=7128061 EventN=2308432 (3 Yu-N[+])

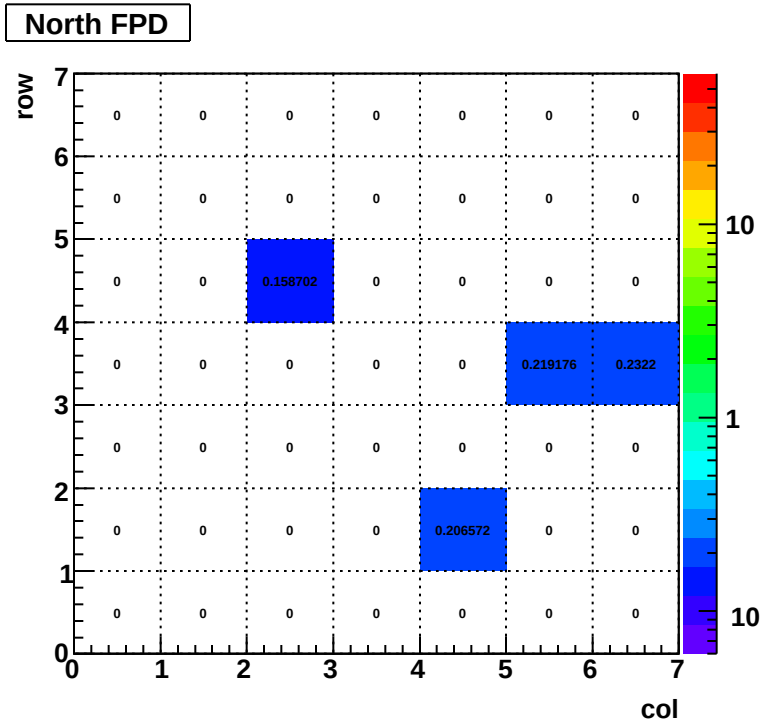
(1) Energy=27.357159 Y=-3.765914 Phi=-0.185381

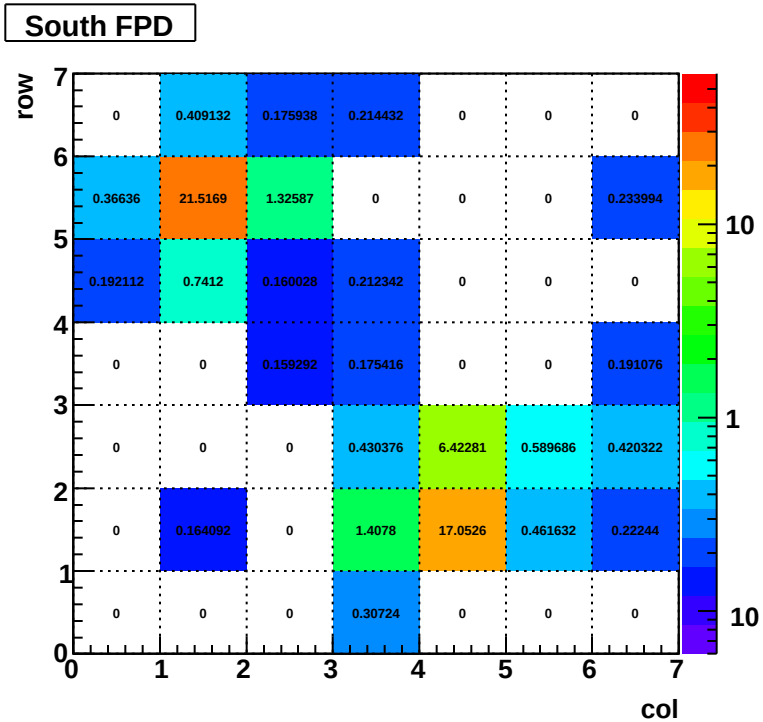
(2) Energy=27.850393 Y=-3.518028 Phi=0.138449

M12=0.588 Y12=-3.646 Phi12=-0.002 E12=55.208

SumN(-) = 89 SumN(+)= 136 AN/.6=0.348







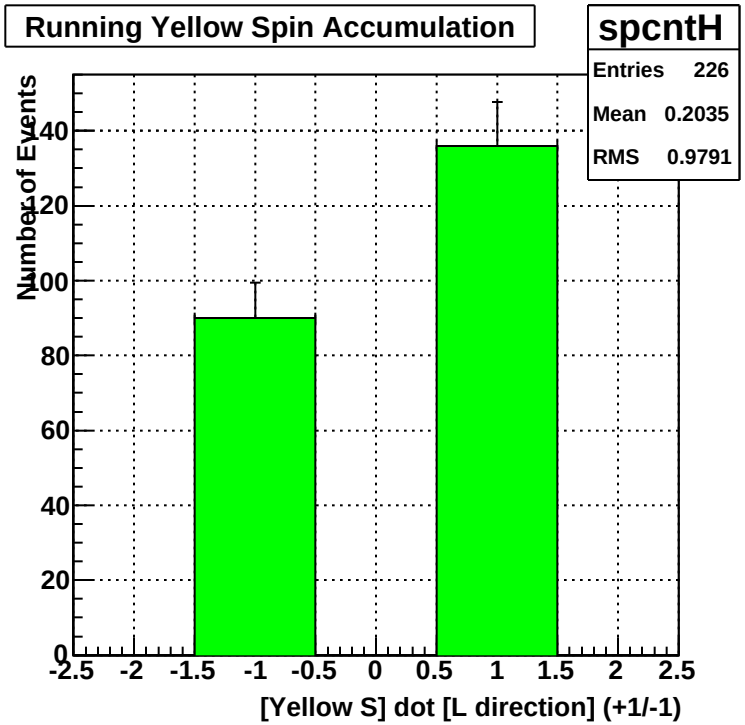
226) Rnum=7128063 EventN=3502223 (0 Yd-N[-])

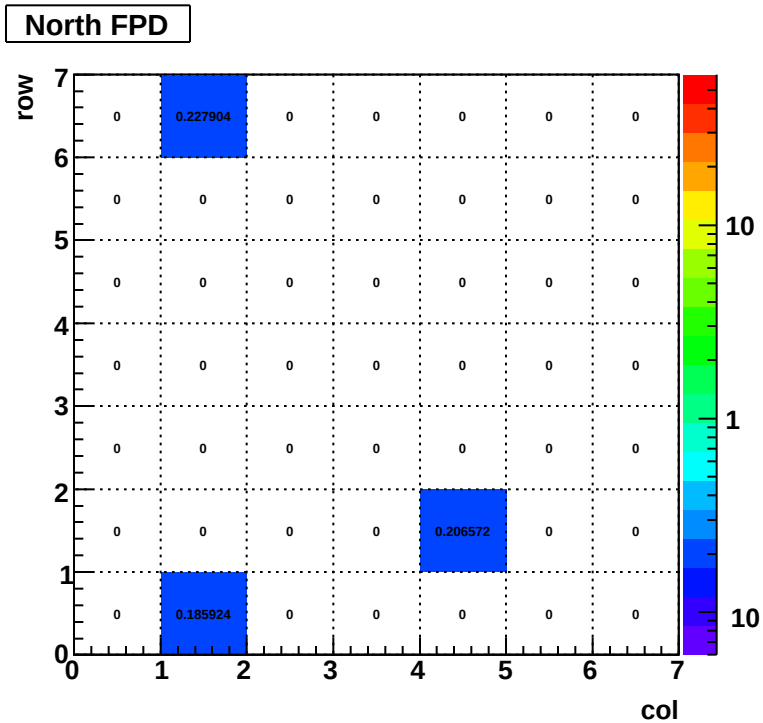
(1) Energy=30.430521 Y=-3.526560 Phi=0.093411

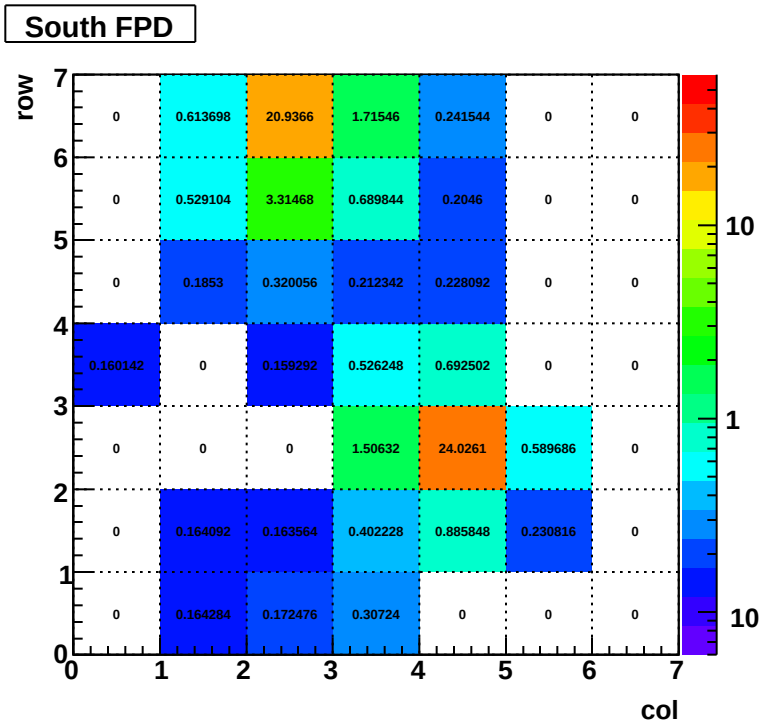
(2) Energy=29.487272 Y=-3.653439 Phi=-0.235483

M12=0.580 Y12=-3.600 Phi12=-0.058 E12=59.918

SumN(-) = 90 SumN(+)= 136 AN/.6=0.339







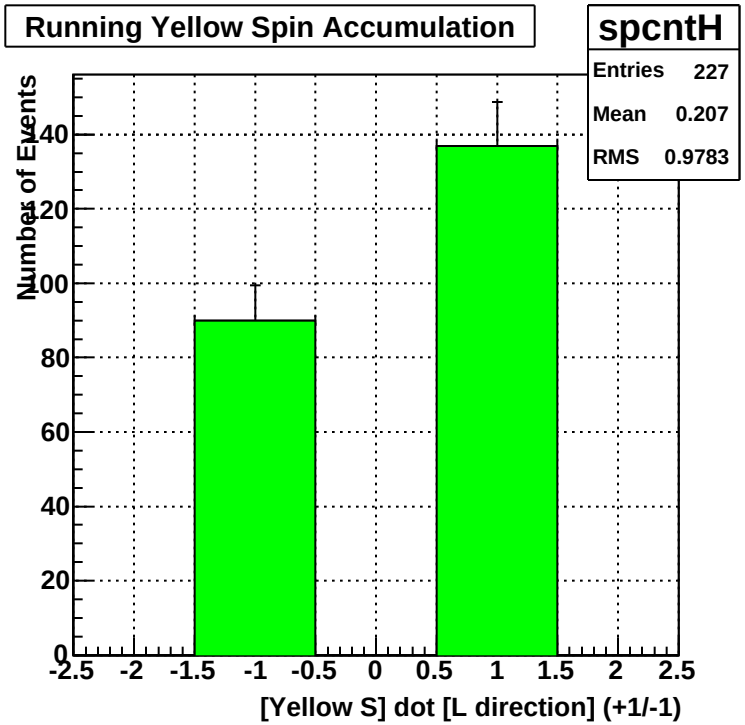
227) Rnum=7128063 EventN=2602571 (3 Yu-N[+])

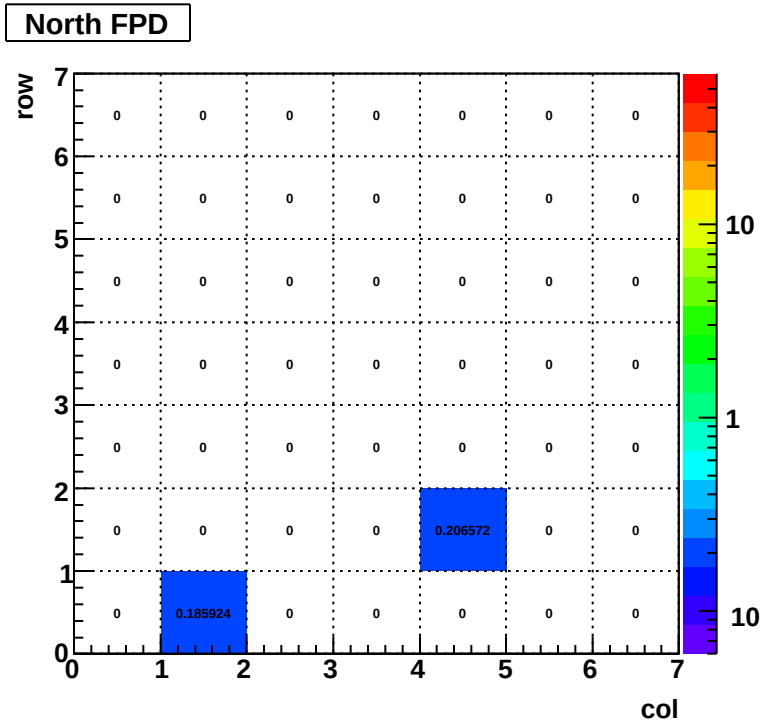
(1) Energy=42.389446 Y=-3.635369 Phi=0.205755

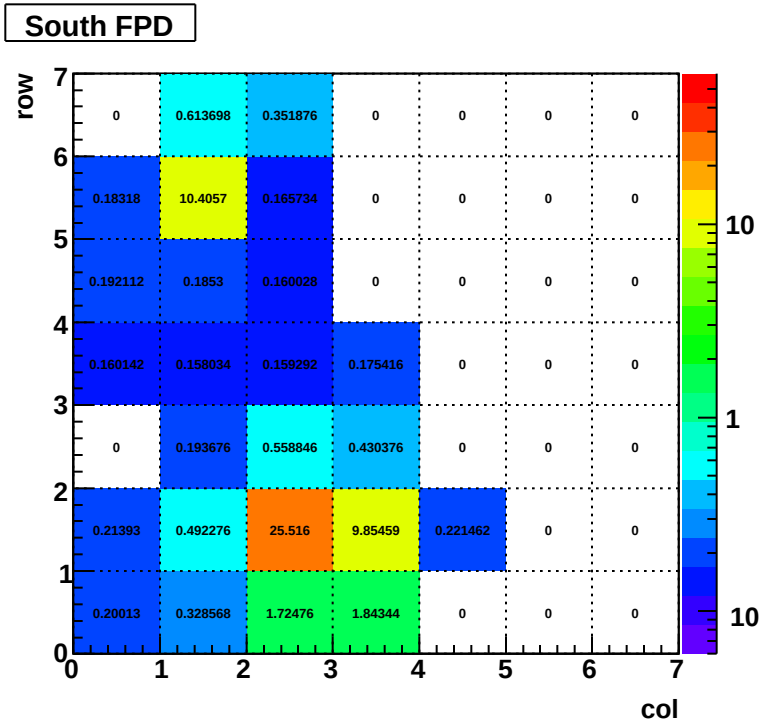
(2) Energy=13.224158 Y=-3.773838 Phi=-0.202576

M12=0.499 Y12=-3.681 Phi12=0.120 E12=55.614

SumN(-) = 90 SumN(+)= 137 AN/.6=0.345







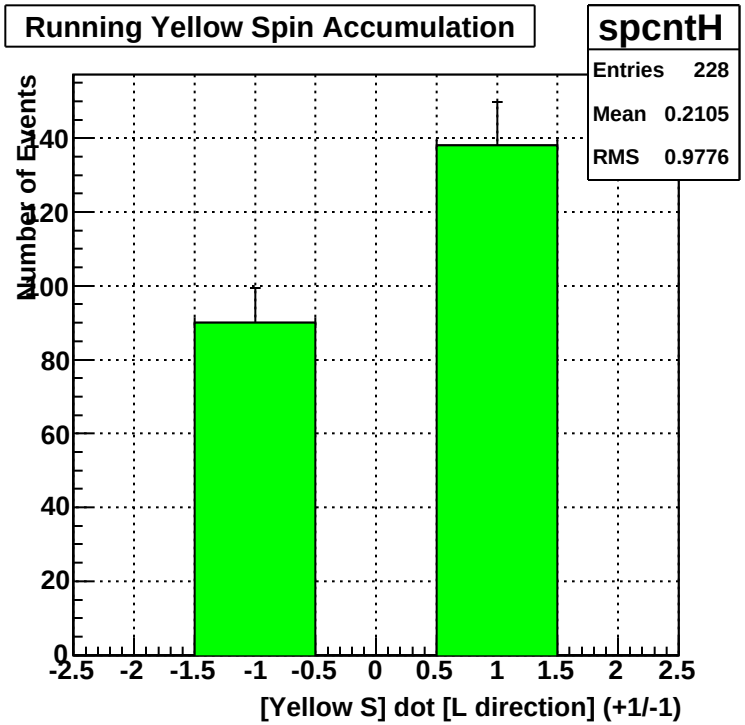
228) Rnum=7129001 EventN=409768 (0 Yd-S[+])

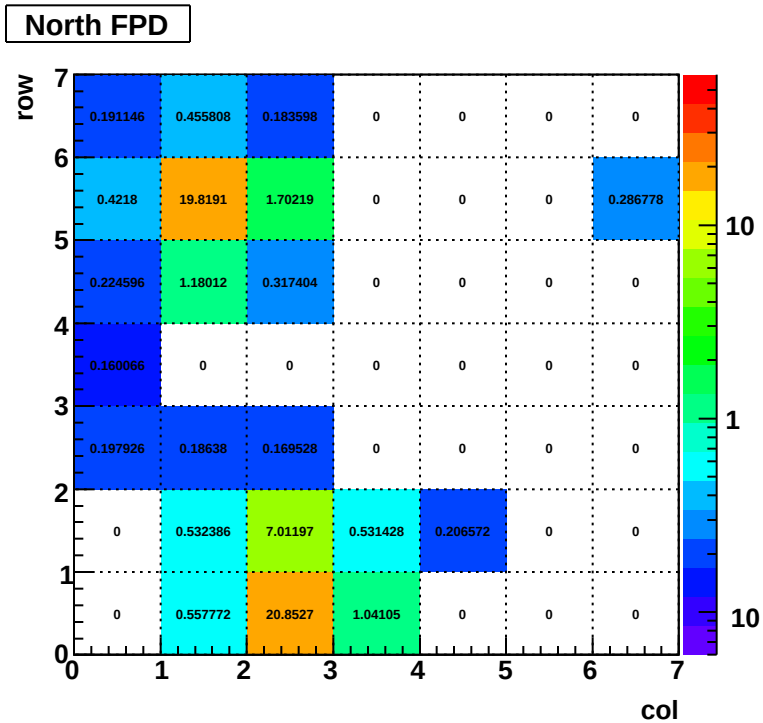
(1) Energy=32.781574 Y=-3.658358 Phi=2.887405

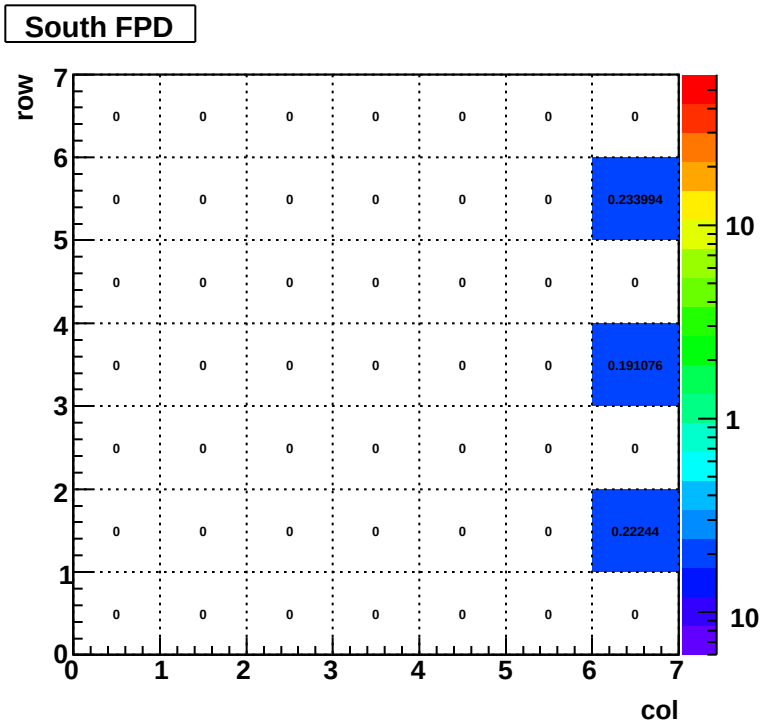
(2) Energy=25.835627 Y=-3.762084 Phi=-2.962923

M12=0.629 Y12=-3.726 Phi12=3.067 E12=58.617

SumN(-) = 90 SumN(+)= 138 AN/.6=0.351







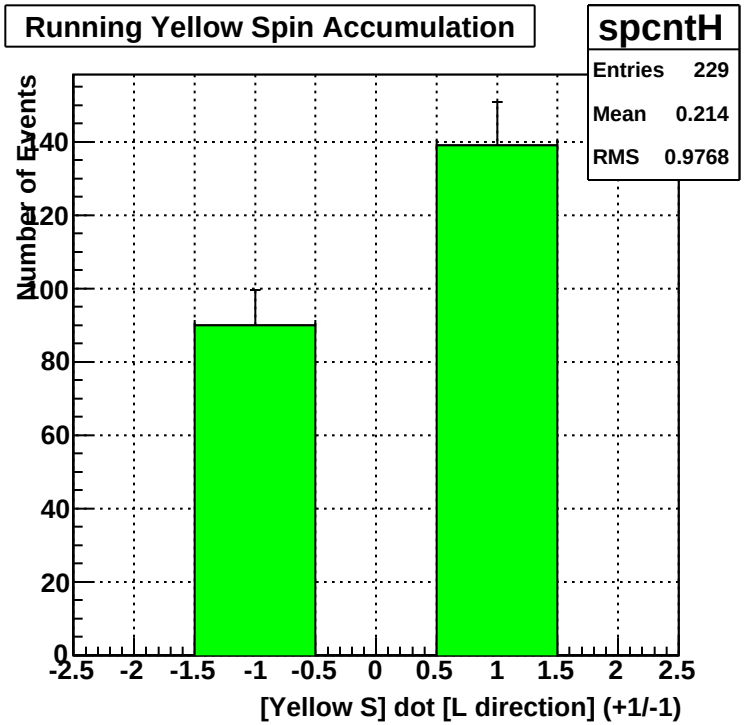
229) Rnum=7129001 EventN=2009655 (1 Yu-N[+])

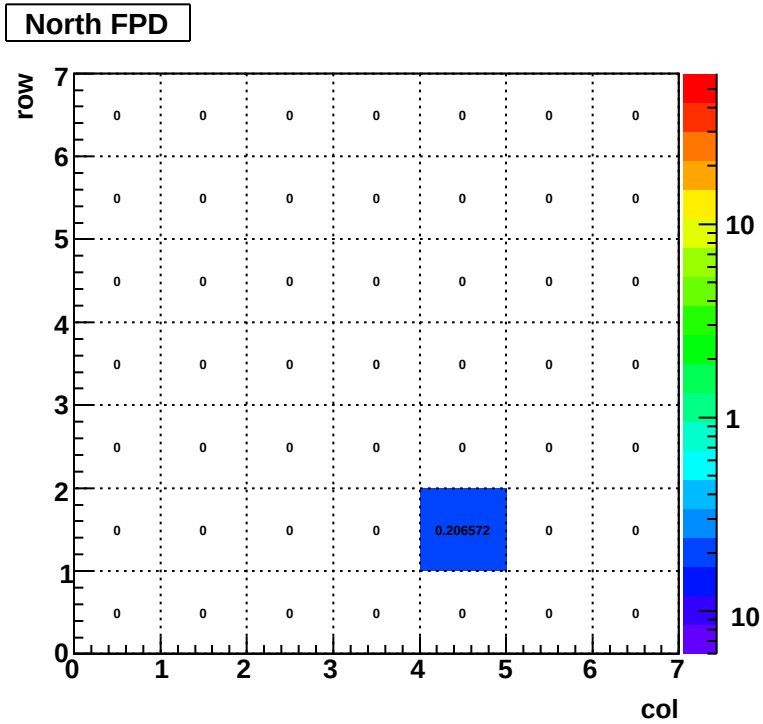
(1) Energy=39.919800 Y=-3.784939 Phi=-0.085565

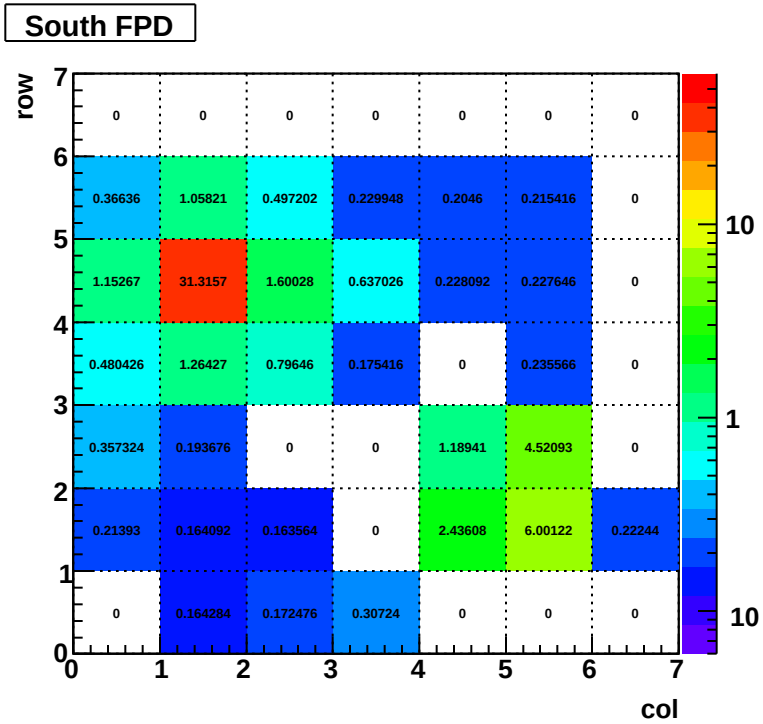
(2) Energy=15.134622 Y=-3.465989 Phi=0.126227

M12=0.502 Y12=-3.692 Phi12=-0.013 E12=55.054

SumN(-) = 90 SumN(+)= 139 AN/.6=0.357







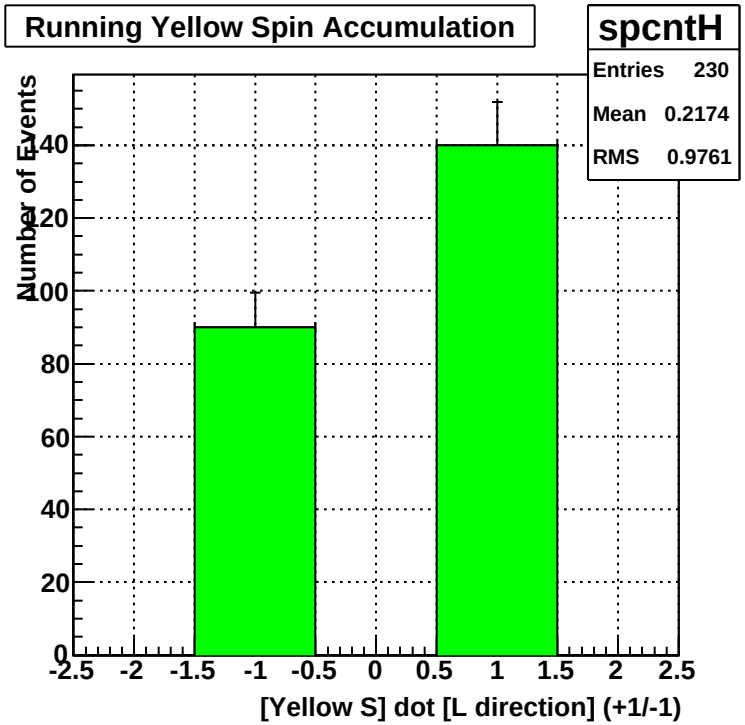
230) Rnum=7129003 EventN=706150 (1 Yu-N[+])

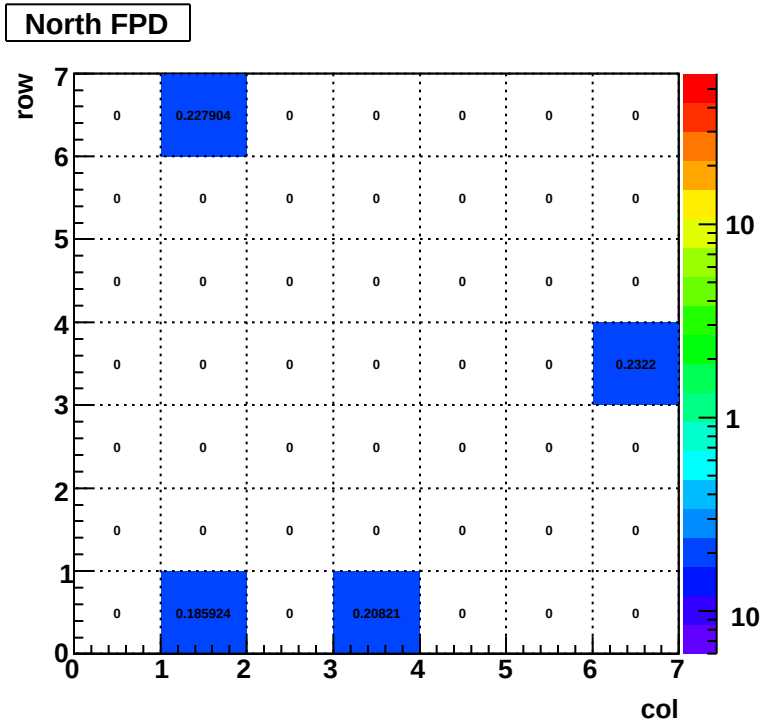
(1) Energy=33.655685 Y=-3.801176 Phi=0.181067

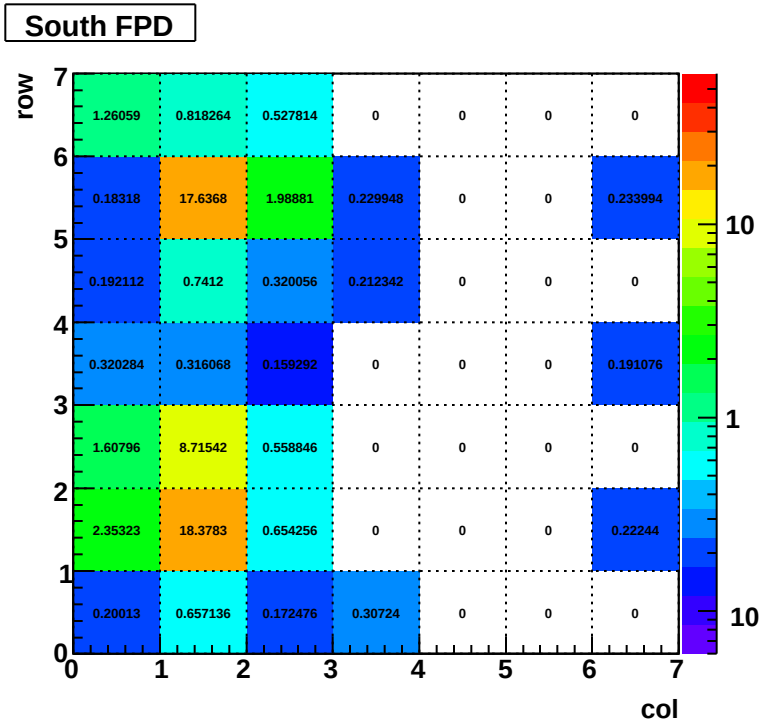
(2) Energy=23.527739 Y=-3.752928 Phi=-0.190740

M12=0.480 Y12=-3.798 Phi12=0.024 E12=57.183

SumN(-) = 90 SumN(+)= 140 AN/.6=0.362







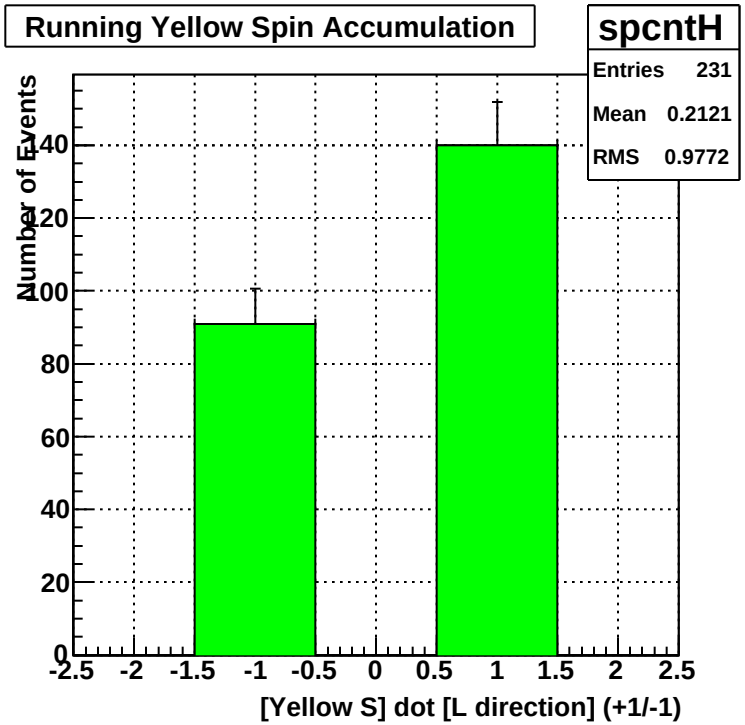
231) Rnum=7129010 EventN=404728 (1 Yu-S[-])

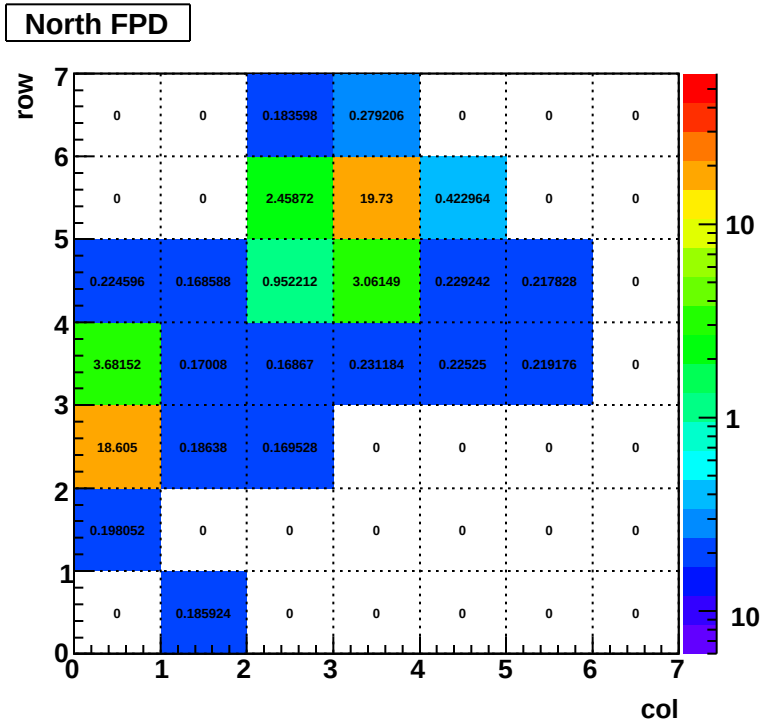
(1) Energy=28.705683 Y=-3.616378 Phi=-3.003941

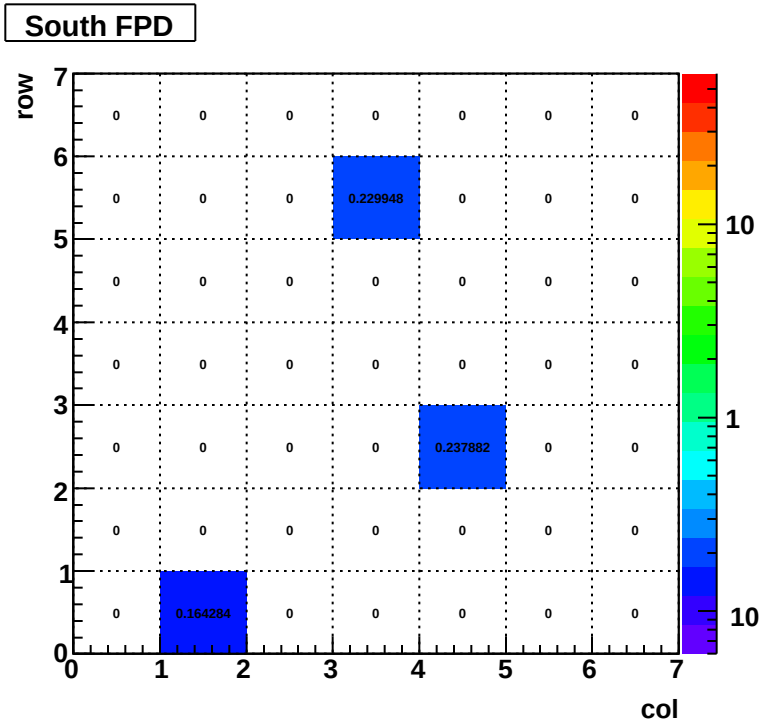
(2) Energy=26.914354 Y=-3.924720 Phi=3.042189

M12=0.499 Y12=-3.761 Phi12=-3.101 E12=55.620

SumN(-) = 91 SumN(+)= 140 AN/.6=0.354







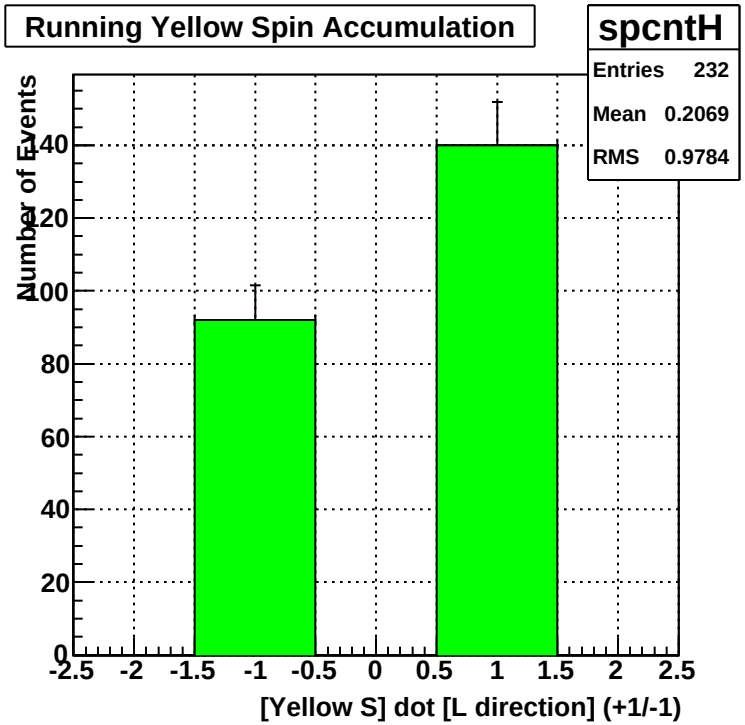
232) Rnum=7129020 EventN=3802923 (0 Yd-N[-])

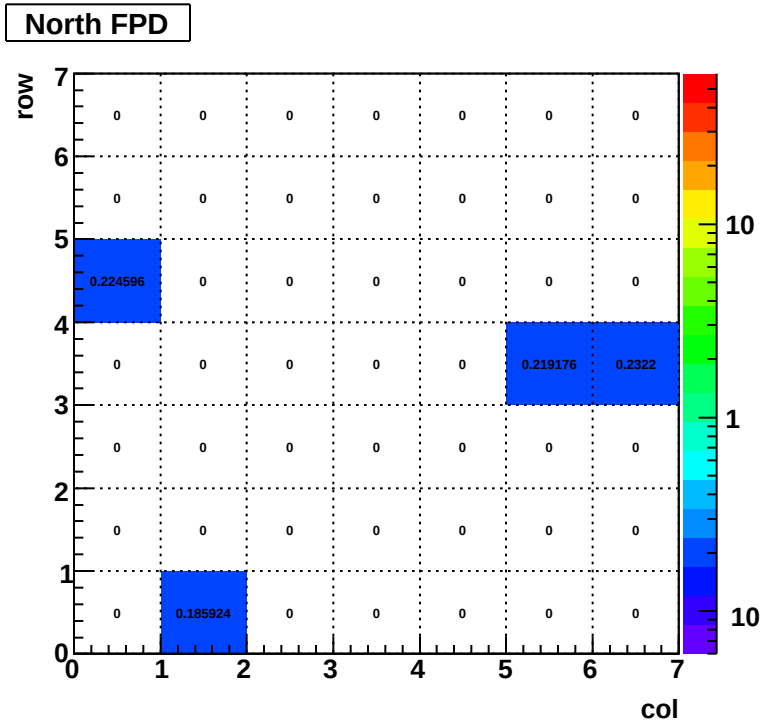
(1) Energy=36.924301 Y=-3.596275 Phi=-0.051320

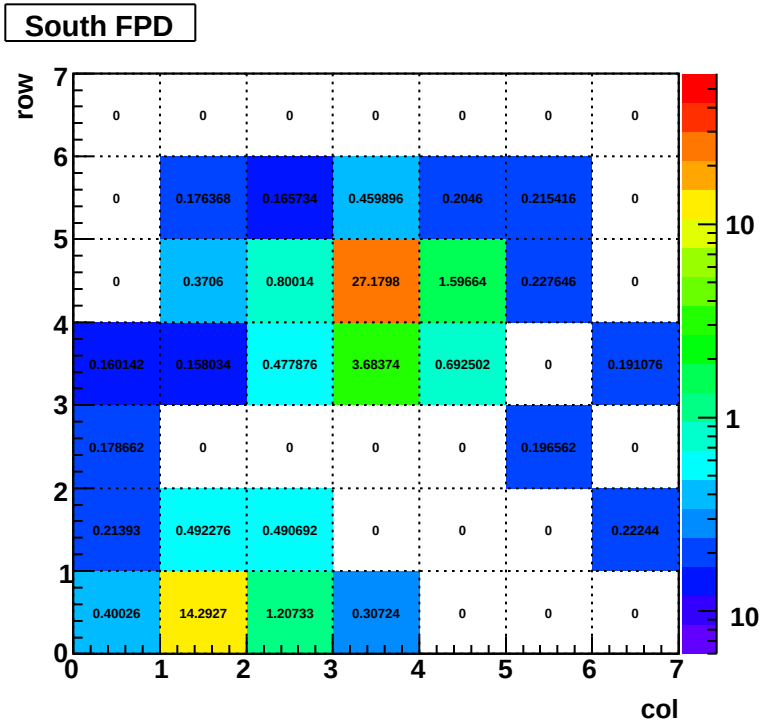
(2) Energy=18.849964 Y=-3.723837 Phi=0.324652

M12=0.536 Y12=-3.653 Phi12=0.065 E12=55.774

SumN(-) = 92 SumN(+)= 140 AN/.6=0.345







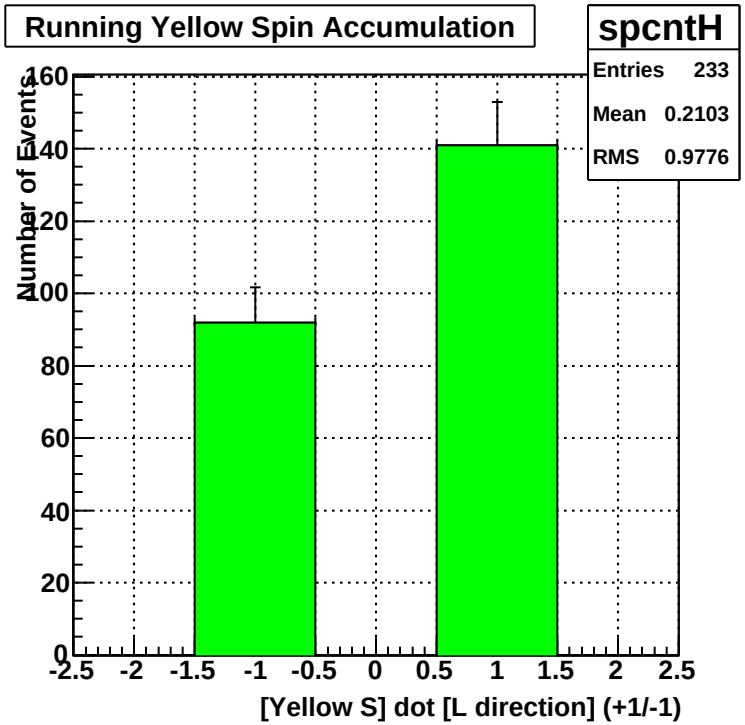
233) Rnum=7129020 EventN=4203786 (2 Yd-S[+])

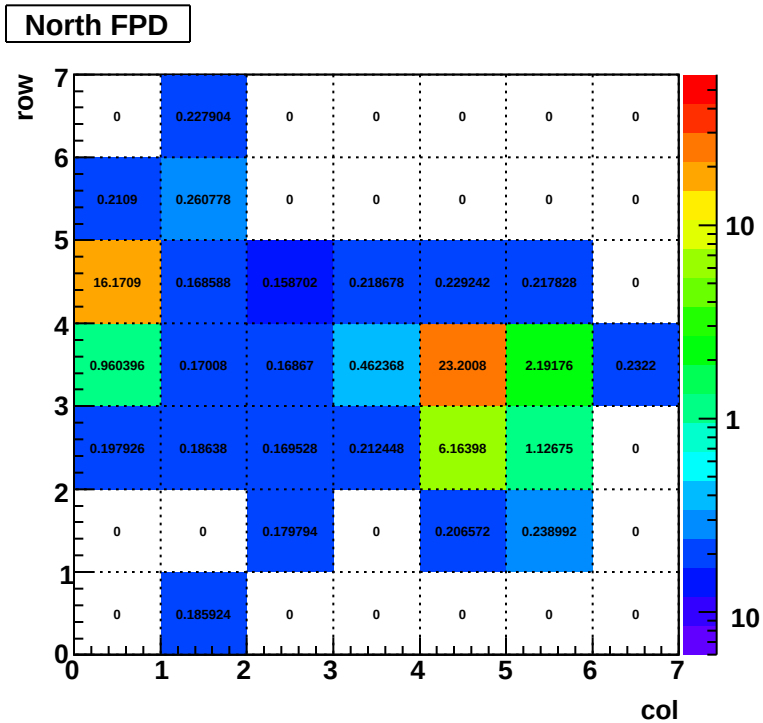
(1) Energy=35.570095 Y=-3.507065 Phi=3.101354

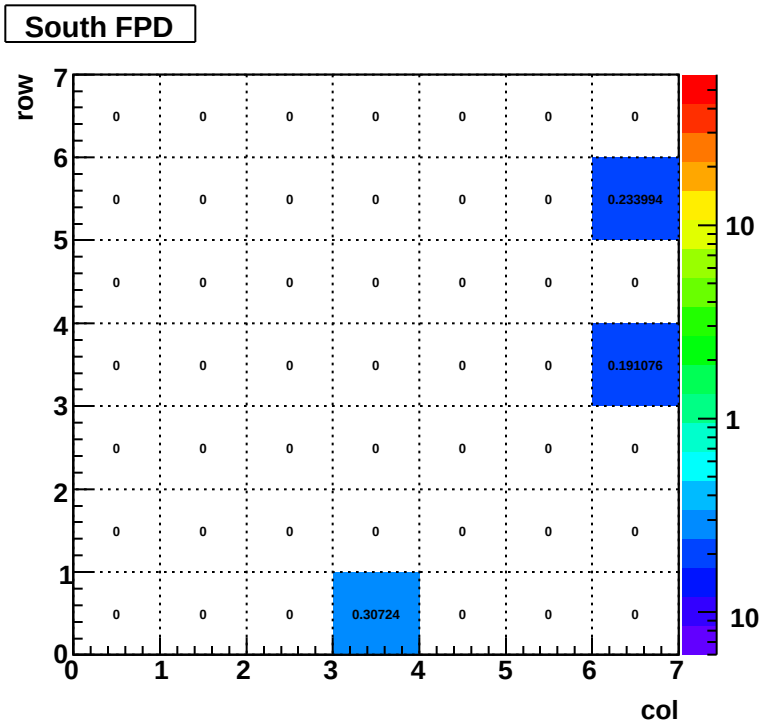
(2) Energy=21.261166 Y=-3.927504 Phi=-3.054035

M12=0.591 Y12=-3.646 Phi12=3.137 E12=56.831

SumN(-) = 92 SumN(+)= 141 AN/.6=0.351







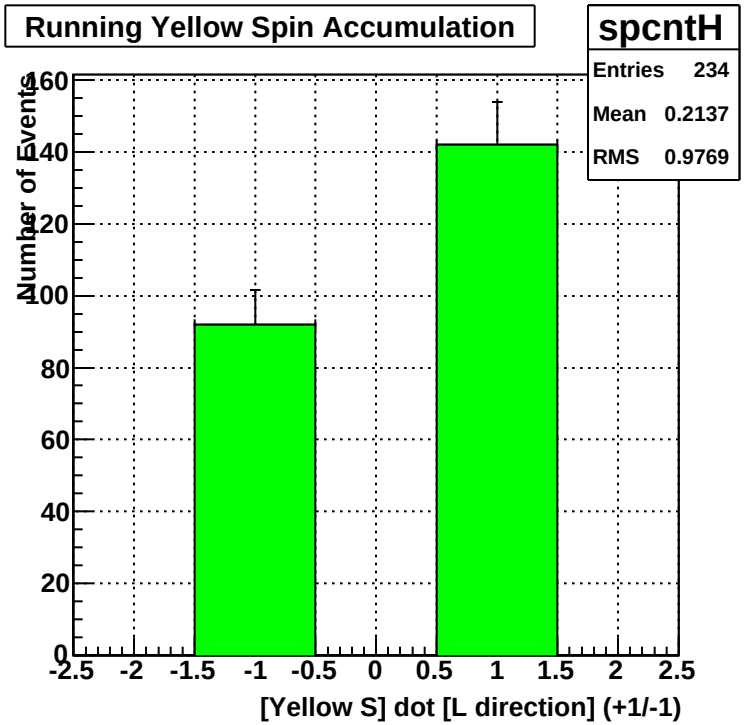
234) Rnum=7129020 EventN=10609779 (2 Yd-S[+])

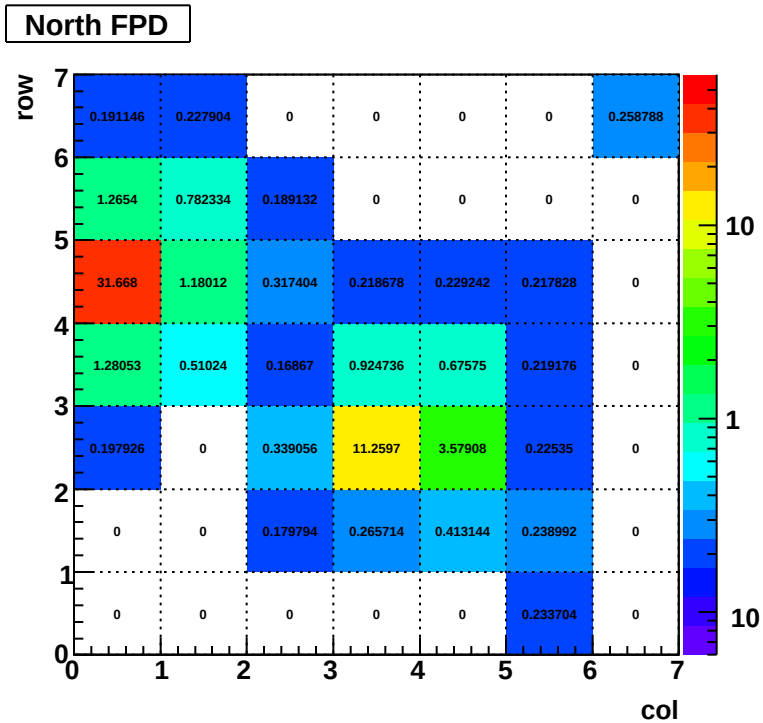
(1) Energy=40.018761 Y=-3.901653 Phi=-3.041742

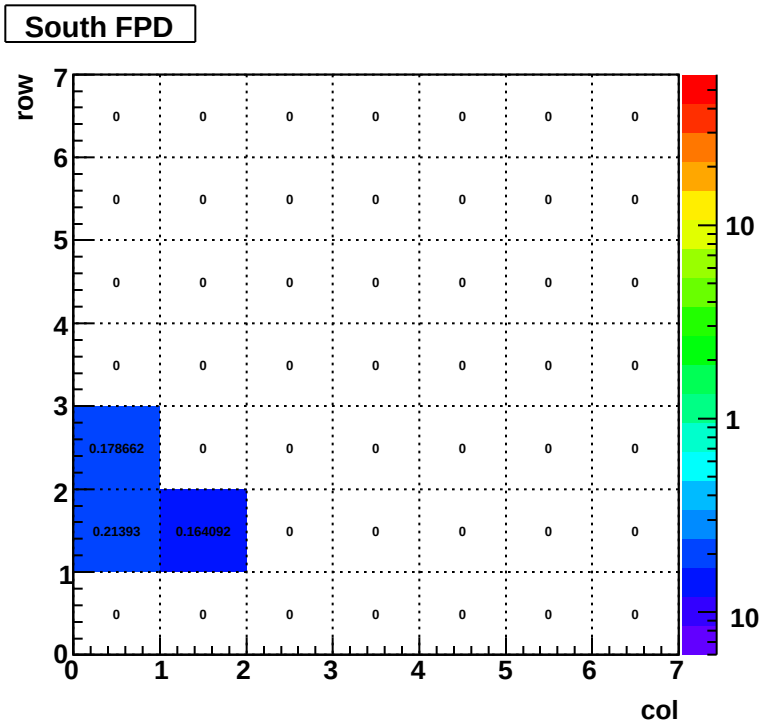
(2) Energy=18.147943 Y=-3.568082 Phi=3.059280

M12=0.491 Y12=-3.789 Phi12=-3.112 E12=58.167

SumN(-) = 92 SumN(+)= 142 AN/.6=0.356







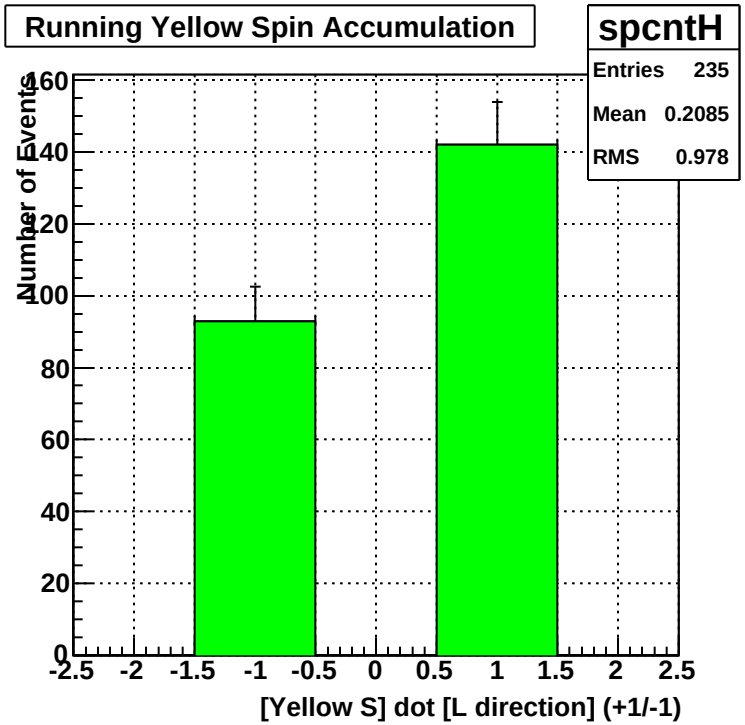
235) Rnum=7129022 EventN=504733 (3 Yu-S[-])

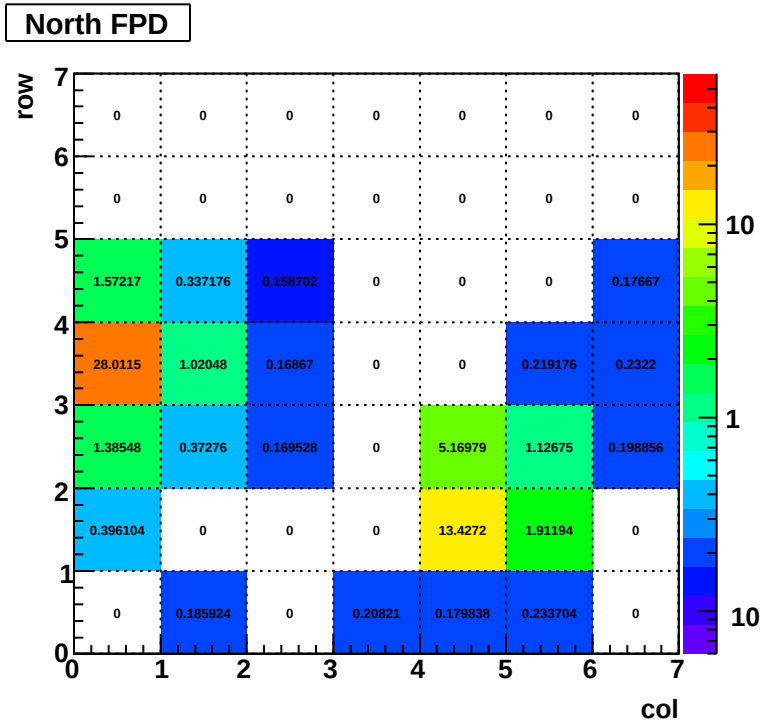
(1) Energy=35.775143 Y=-3.910250 Phi=3.123100

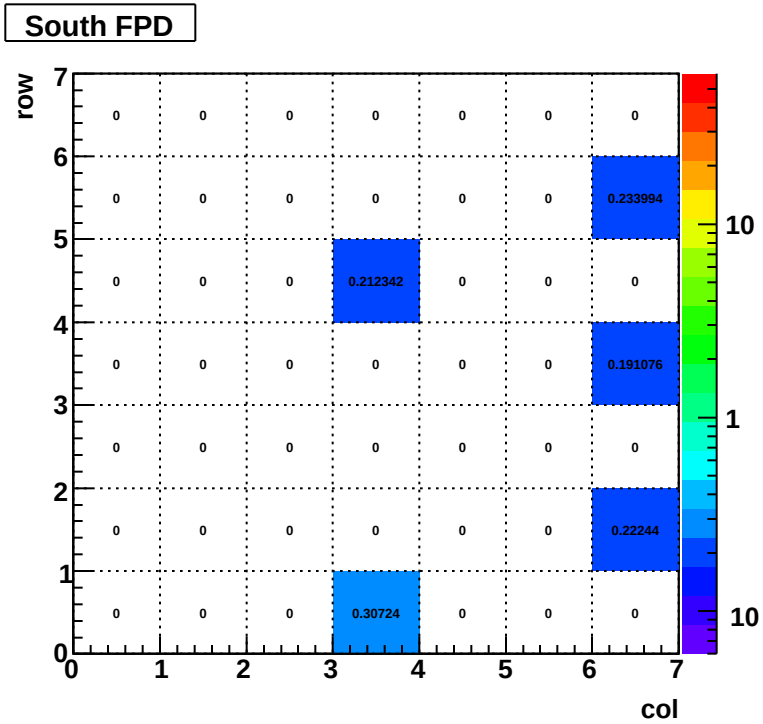
(2) Energy=23.591904 Y=-3.492326 Phi=3.007200

M12=0.626 Y12=-3.725 Phi12=3.065 E12=59.367

SumN(-) = 93 SumN(+)= 142 AN/.6=0.348







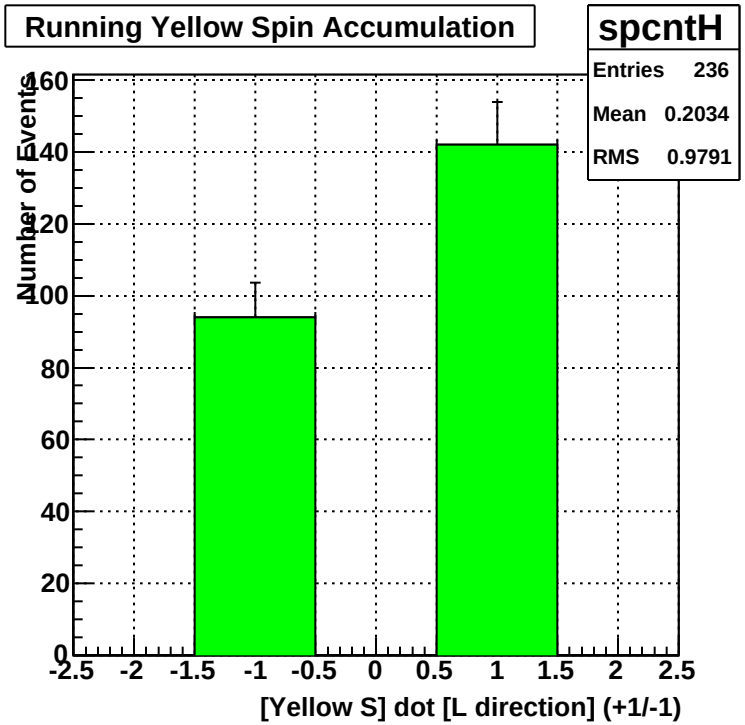
236) Rnum=7129023 EventN=5303065 (3 Yu-S[-])

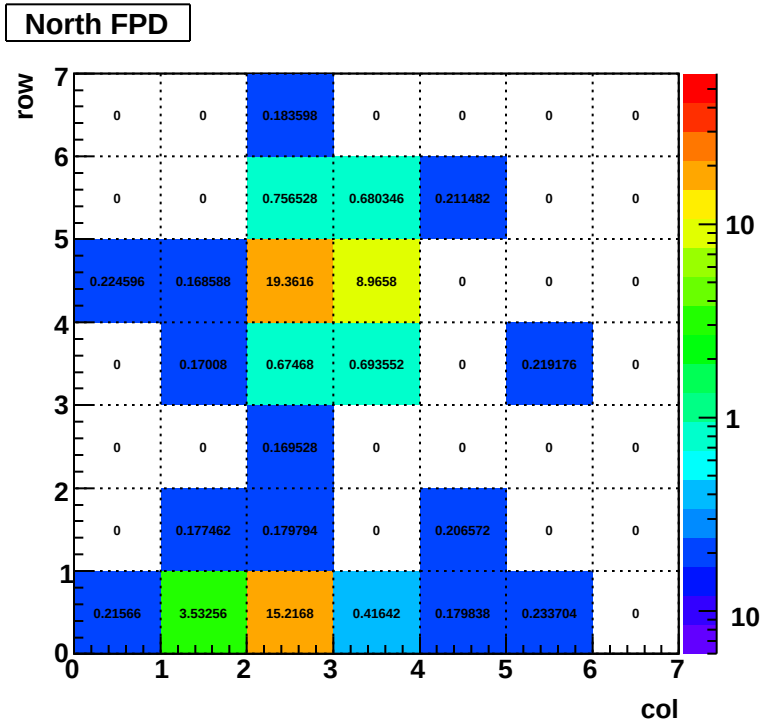
(1) Energy=33.304832 Y=-3.651795 Phi=-3.063499

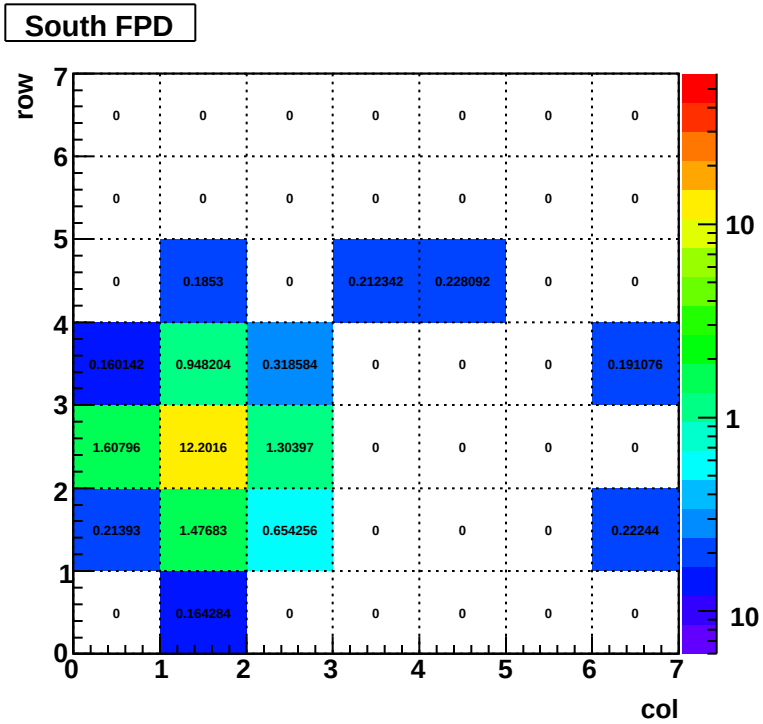
(2) Energy=23.607607 Y=-3.675640 Phi=2.819507

M12=0.572 Y12=-3.681 Phi12=3.056 E12=56.912

SumN(-) = 94 SumN(+)= 142 AN/.6=0.339







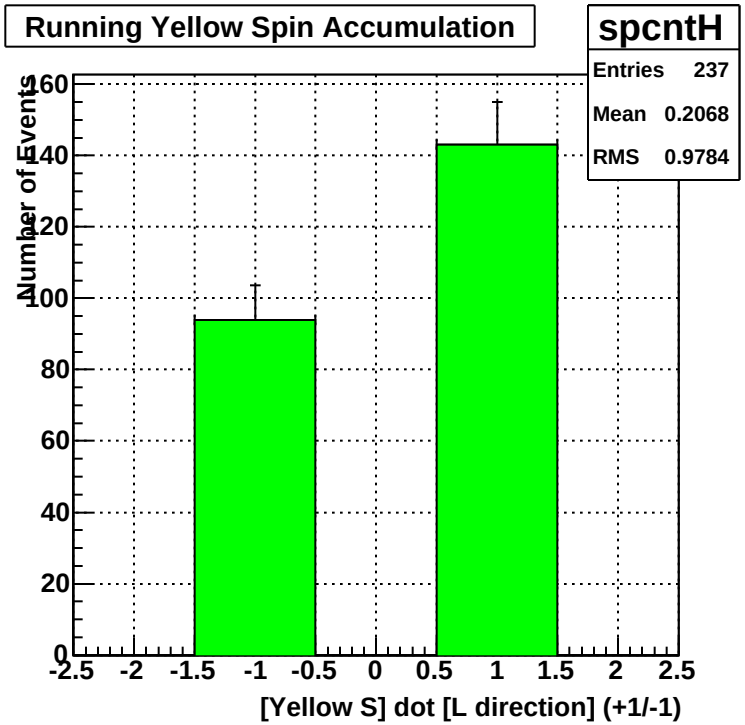
237) Rnum=7129023 EventN=100724 (0 Yd-S[+])

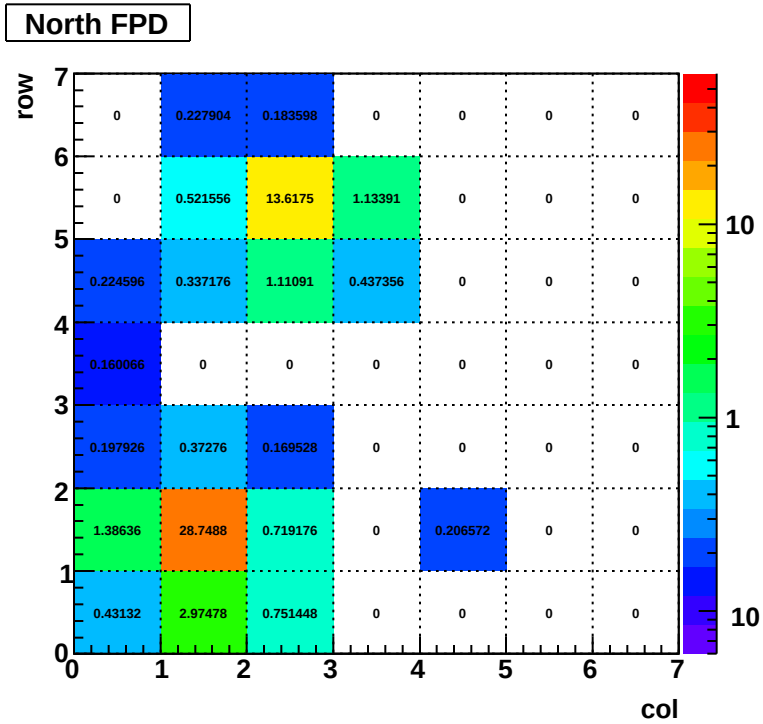
(1) Energy=37.842297 Y=-3.769753 Phi=2.898562

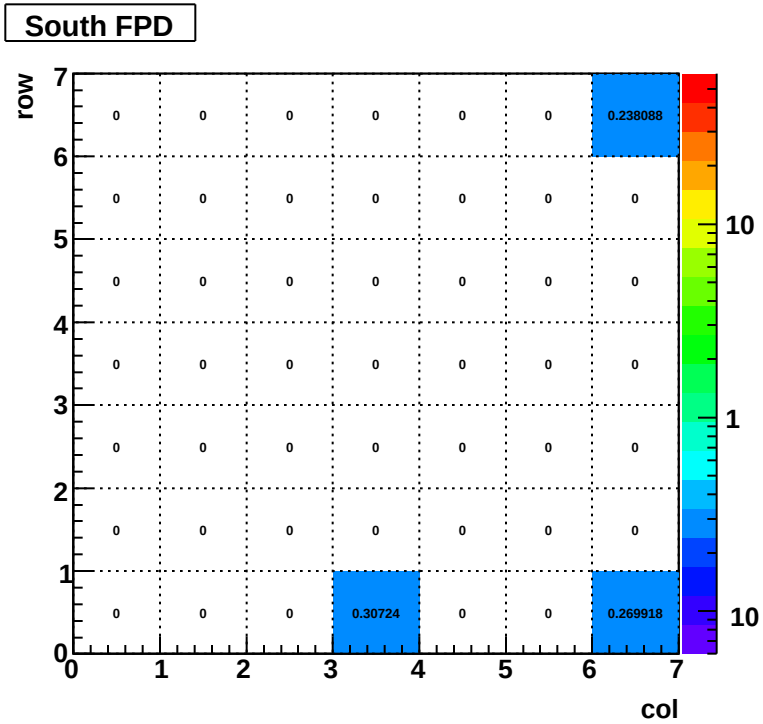
(2) Energy=18.078192 Y=-3.669236 Phi=-2.985865

M12=0.518 Y12=-3.754 Phi12=3.036 E12=55.920

SumN(-) = 94 SumN(+)= 143 AN/.6=0.345







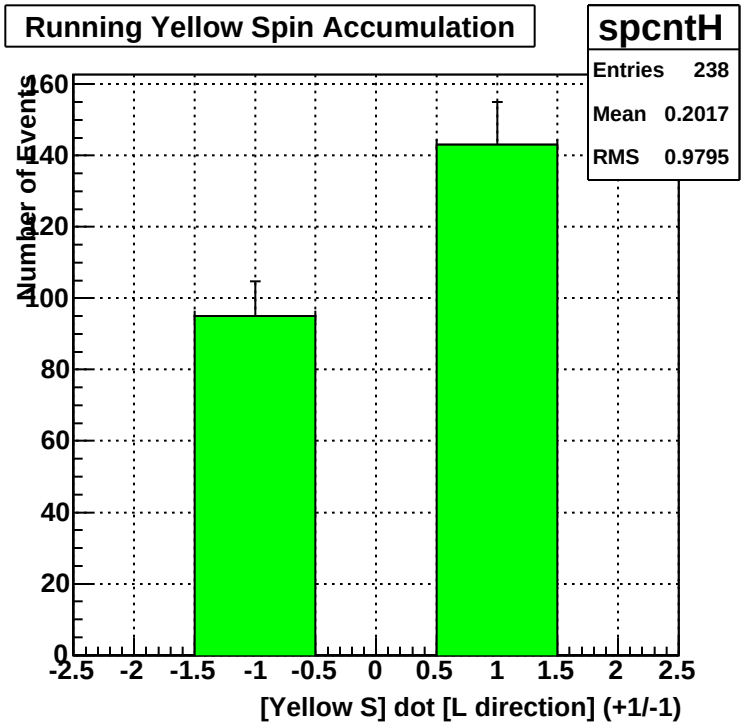
238) Rnum=7129023 EventN=1403285 (0 Yd-N[-])

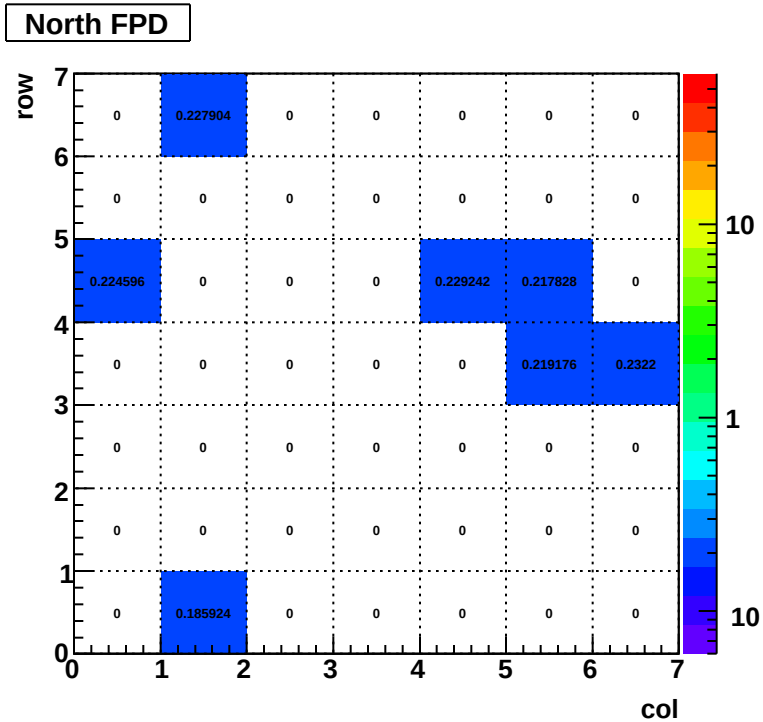
(1) Energy=32.771942 Y=-3.643964 Phi=0.167879

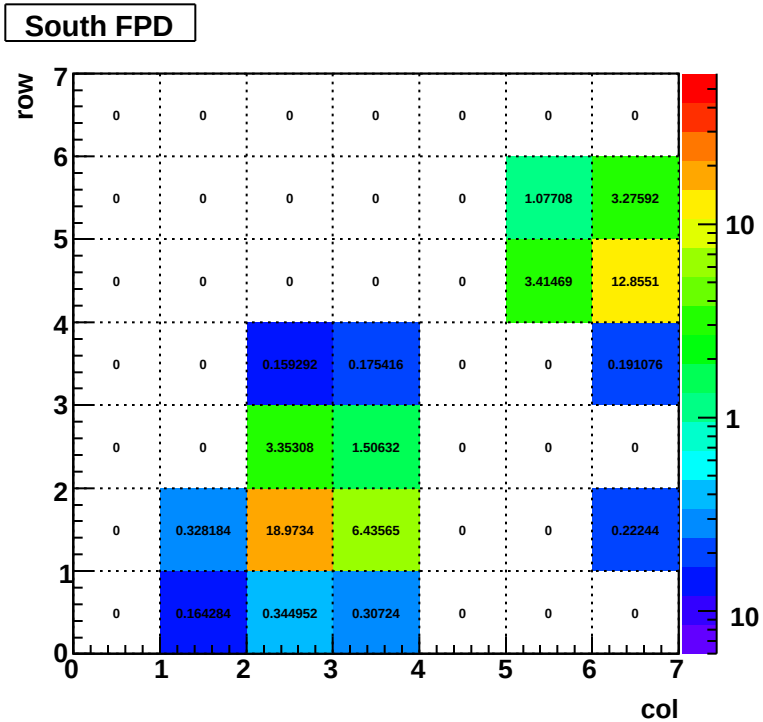
(2) Energy=22.269150 Y=-3.395797 Phi=-0.084710

M12=0.566 Y12=-3.544 Phi12=0.050 E12=55.041

SumN(-) = 95 SumN(+)= 143 AN/.6=0.336







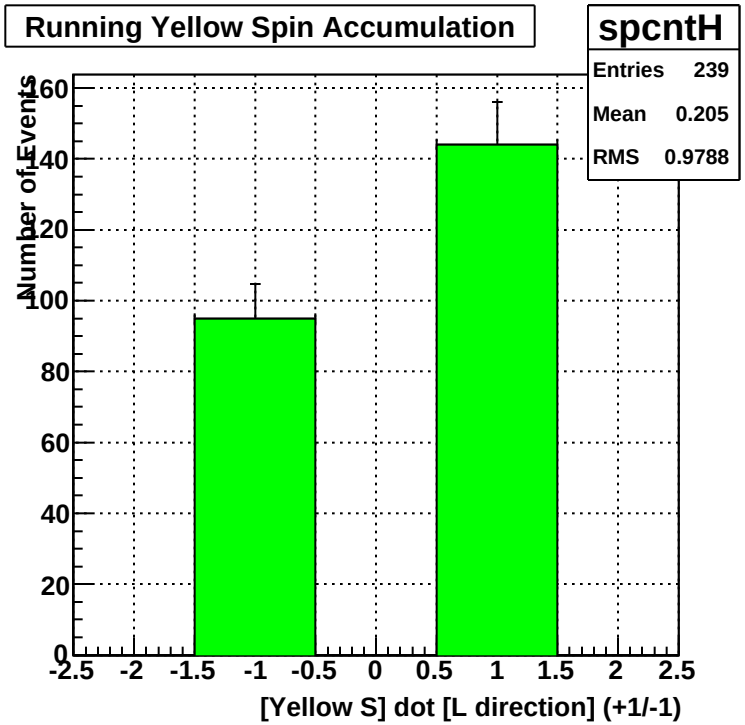
239) Rnum=7129025 EventN=101140 (3 Yu-N[+])

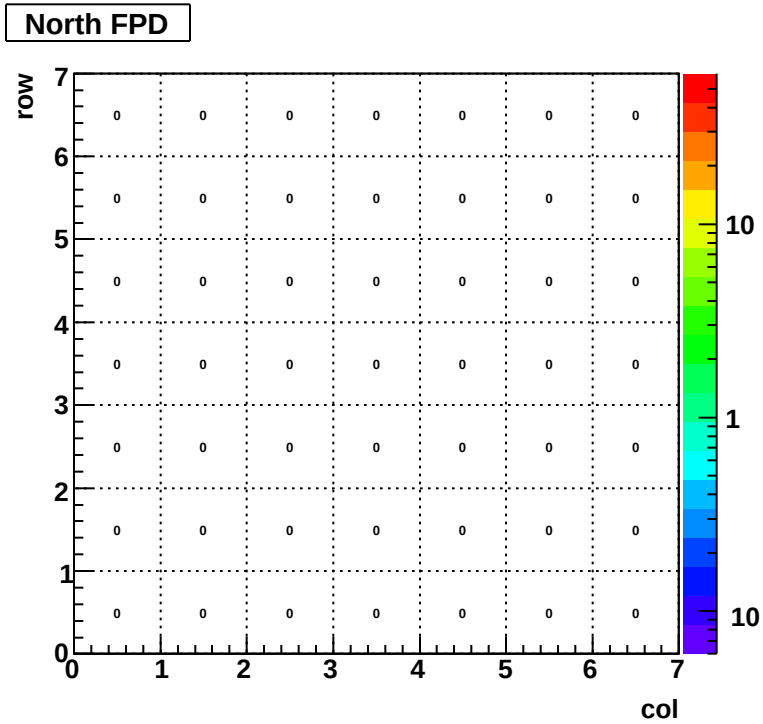
(1) Energy=37.624371 Y=-3.483166 Phi=0.074868

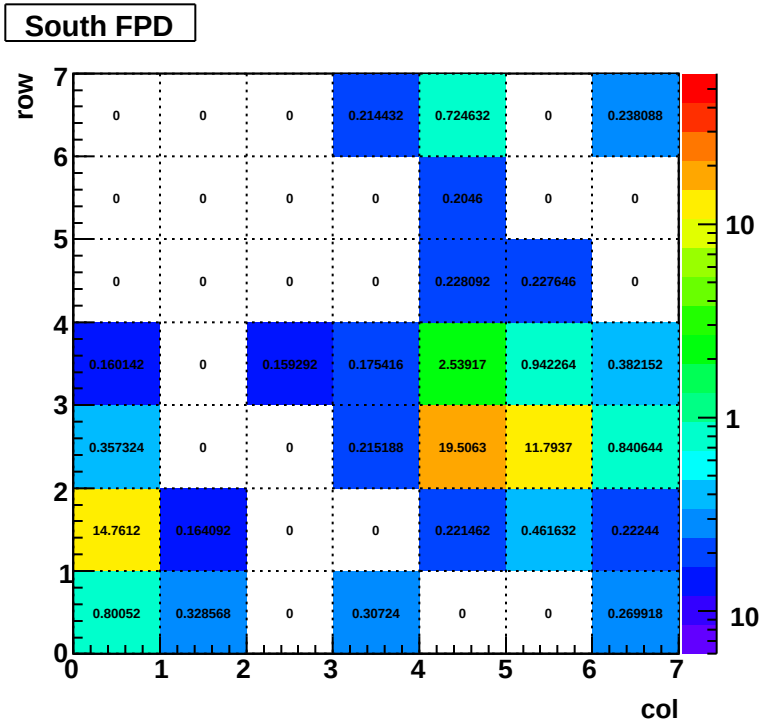
(2) Energy=18.852129 Y=-3.887477 Phi=0.261184

M12=0.598 Y12=-3.604 Phi12=0.121 E12=56.477

SumN(-) = 95 SumN(+)= 144 AN/.6=0.342







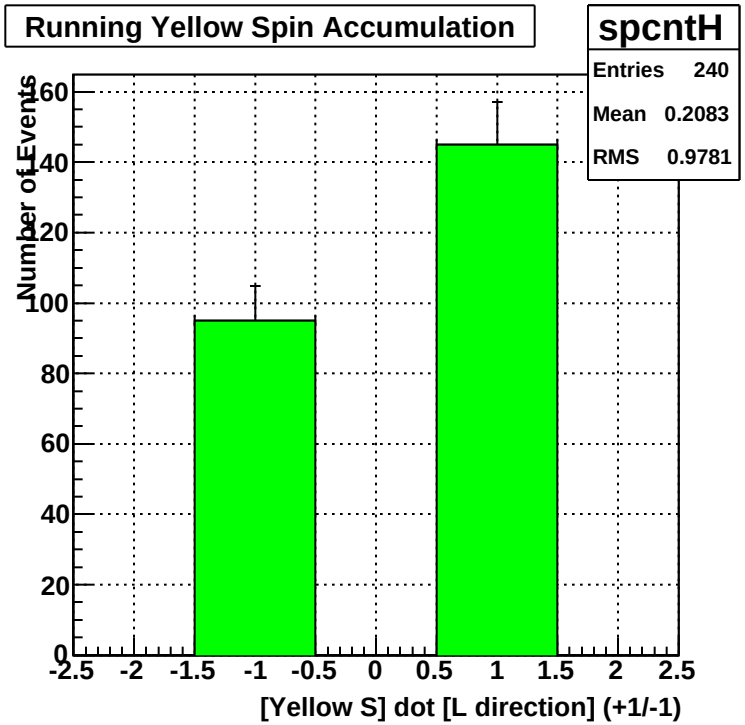
240) Rnum=7129027 EventN=809183 (1 Yu-N[+])

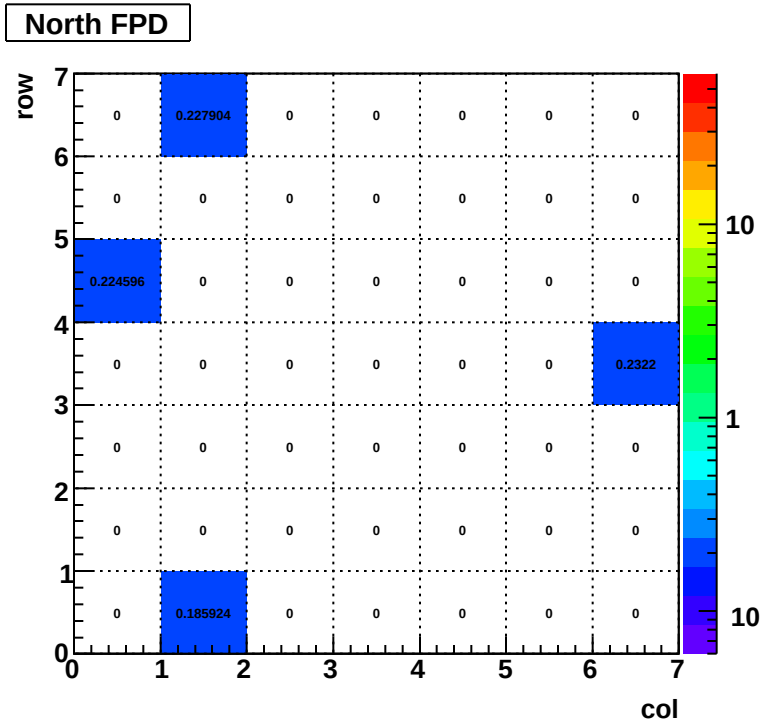
(1) Energy=38.023014 Y=-3.442204 Phi=0.027290

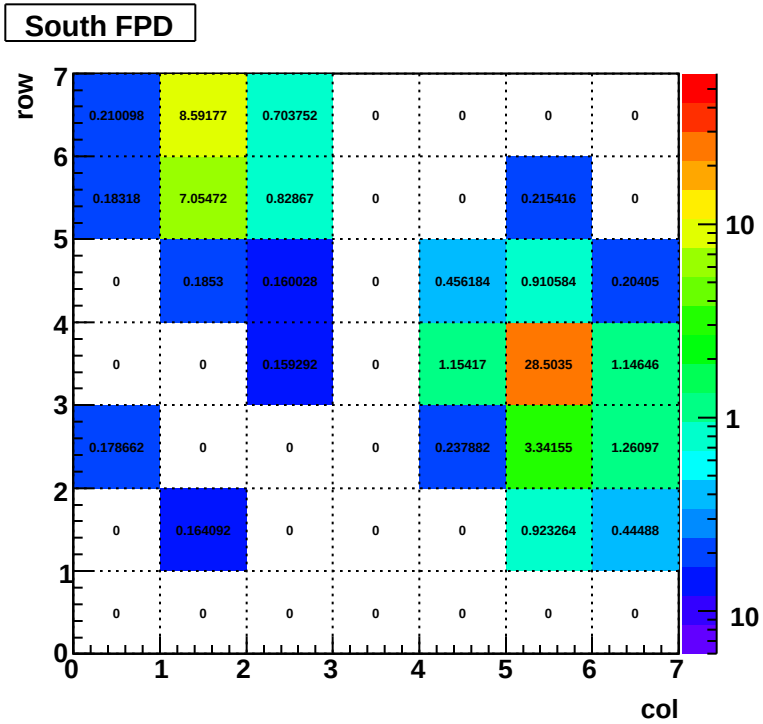
(2) Energy=18.827797 Y=-3.749557 Phi=-0.238917

M12=0.597 Y12=-3.541 Phi12=-0.044 E12=56.851

SumN(-) = 95 SumN(+)= 145 AN/.6=0.347







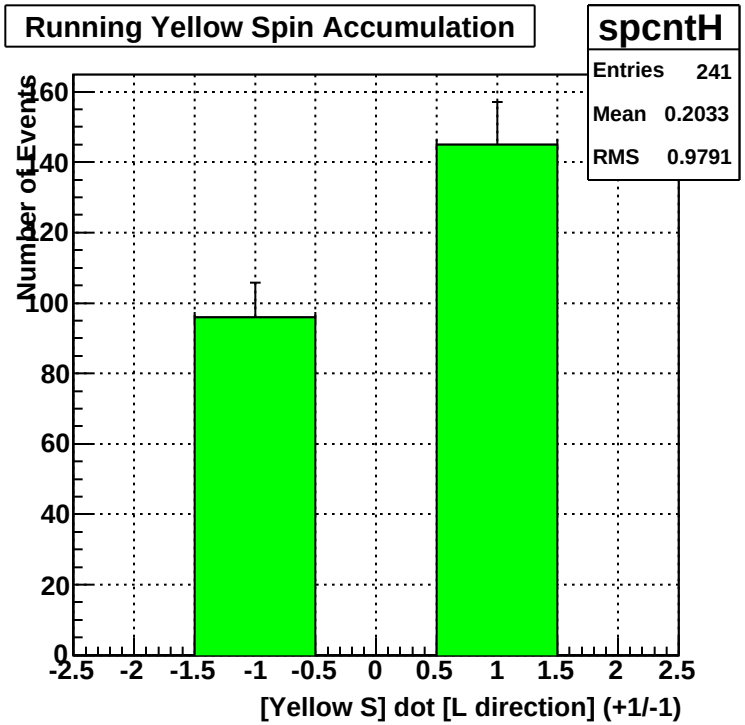
241) Rnum=7129031 EventN=106287 (1 Yu-S[-])

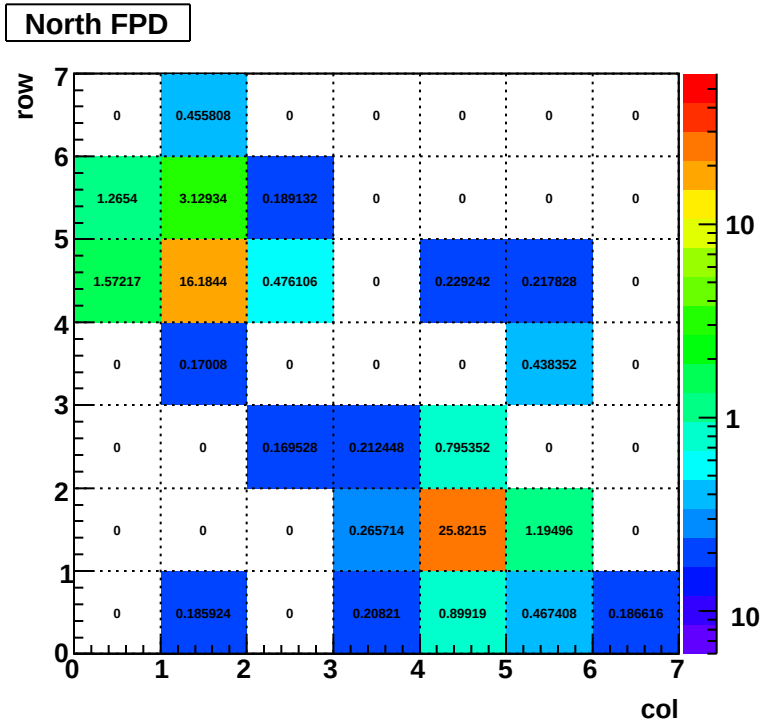
(1) Energy=32.765392 Y=-3.499320 Phi=2.972530

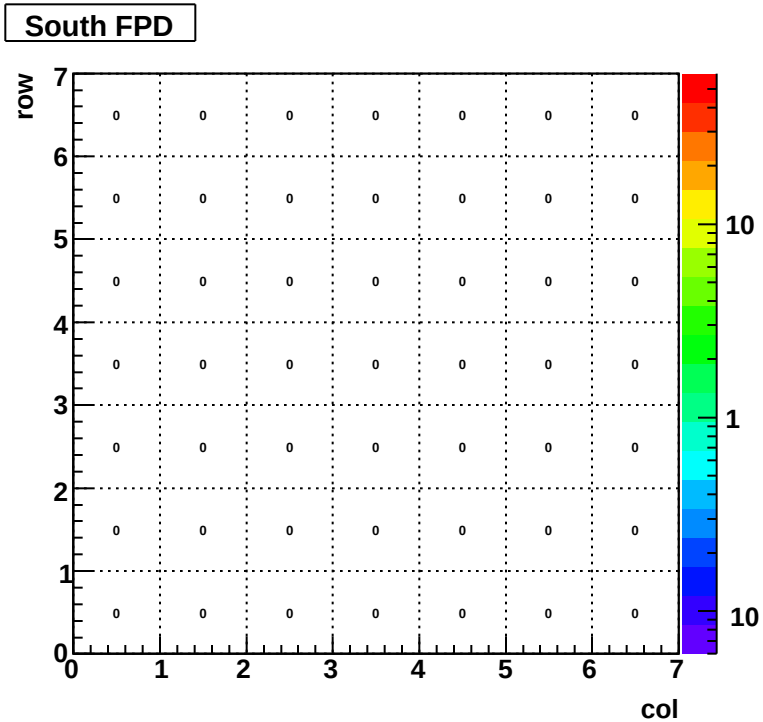
(2) Energy=24.131470 Y=-3.809585 Phi=-3.016107

M12=0.622 Y12=-3.629 Phi12=3.076 E12=56.897

SumN(-) = 96 SumN(+)= 145 AN/.6=0.339







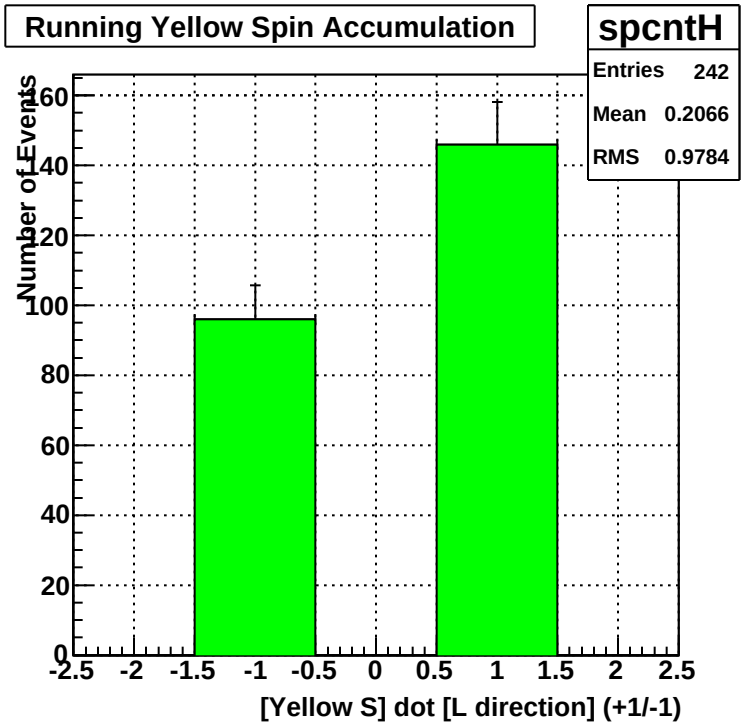
242) Rnum=7129031 EventN=8209313 (3 Yu-N[+])

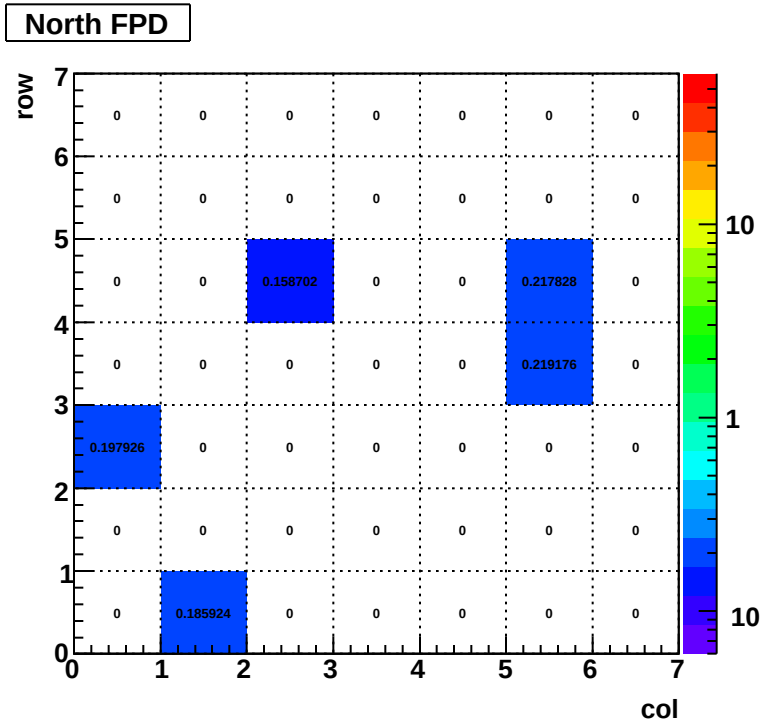
(1) Energy=46.773346 Y=-3.591452 Phi=-0.206559

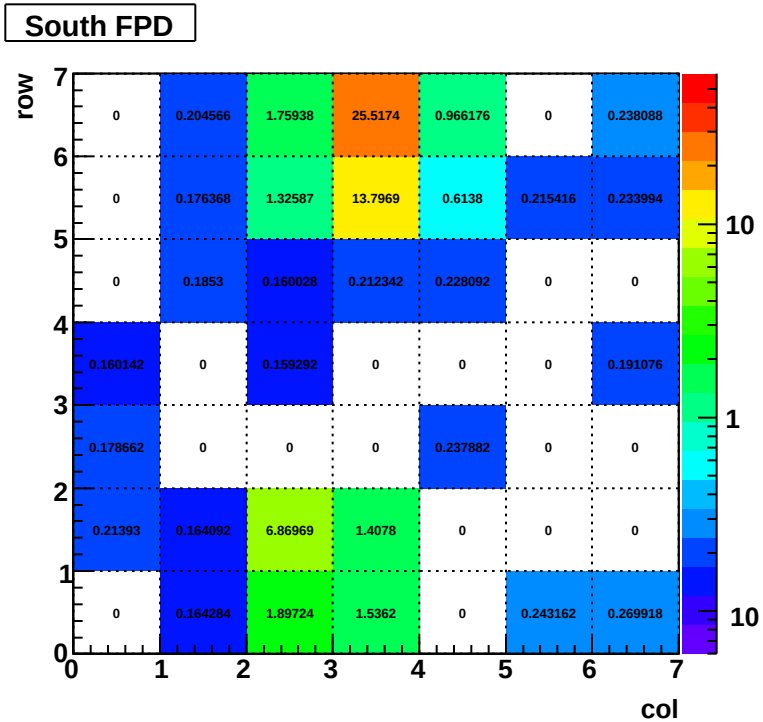
(2) Energy=12.270987 Y=-3.635948 Phi=0.228439

M12=0.560 Y12=-3.616 Phi12=-0.121 E12=59.044

SumN(-) = 96 SumN(+)= 146 AN/.6=0.344







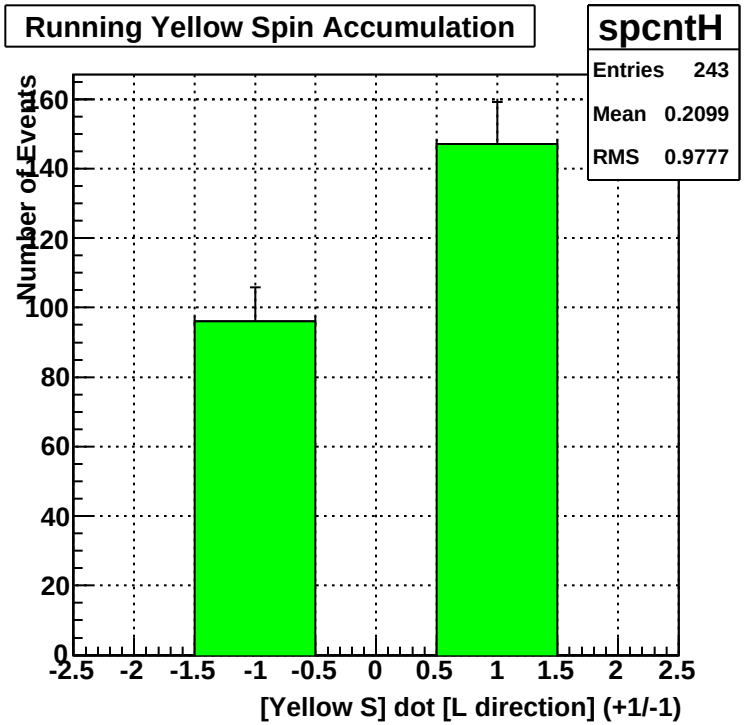
243) Rnum=7129031 EventN=9203207 (0 Yd-S[+])

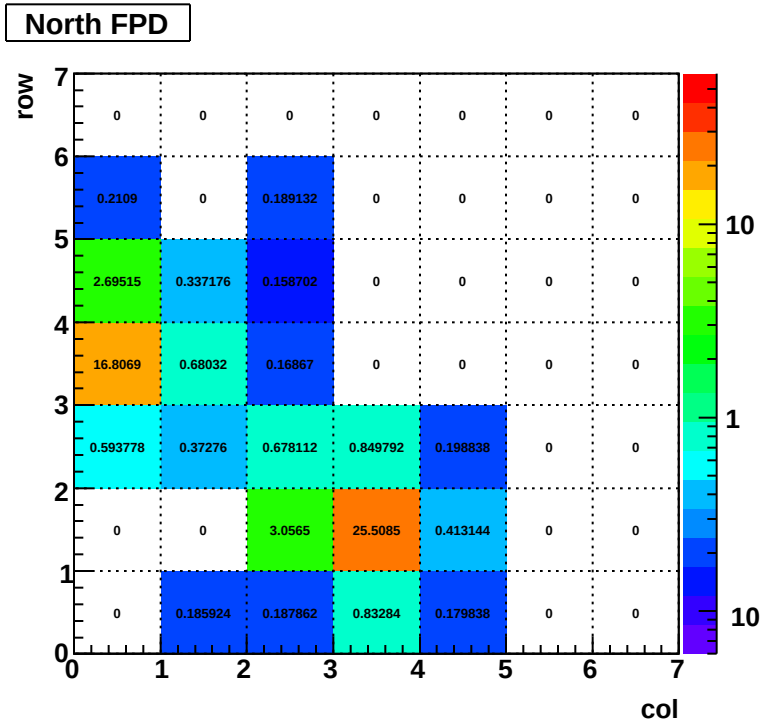
(1) Energy=33.814861 Y=-3.607362 Phi=2.956458

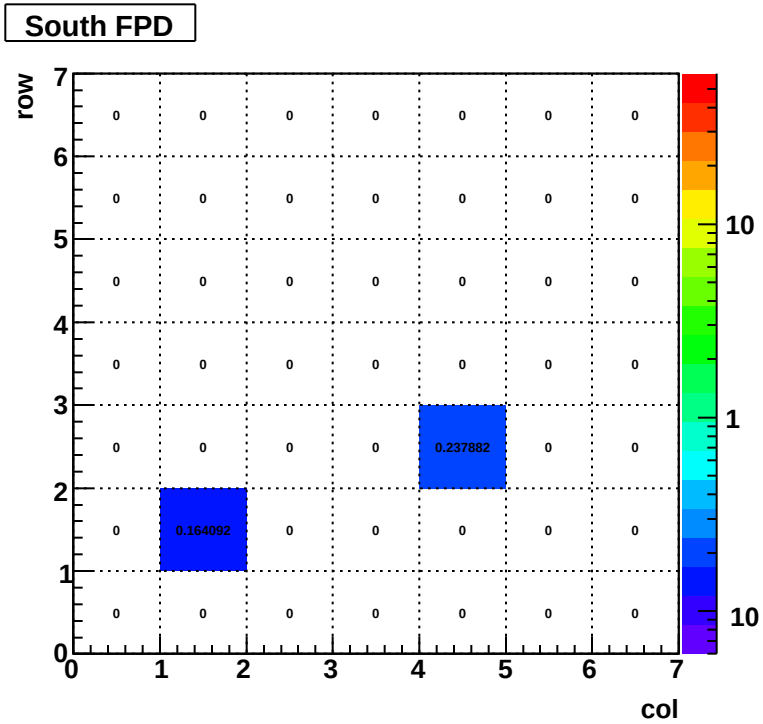
(2) Energy=23.220600 Y=-3.906626 Phi=-3.126307

M12=0.472 Y12=-3.723 Phi12=3.024 E12=57.035

SumN(-) = 96 SumN(+)= 147 AN/.6=0.350







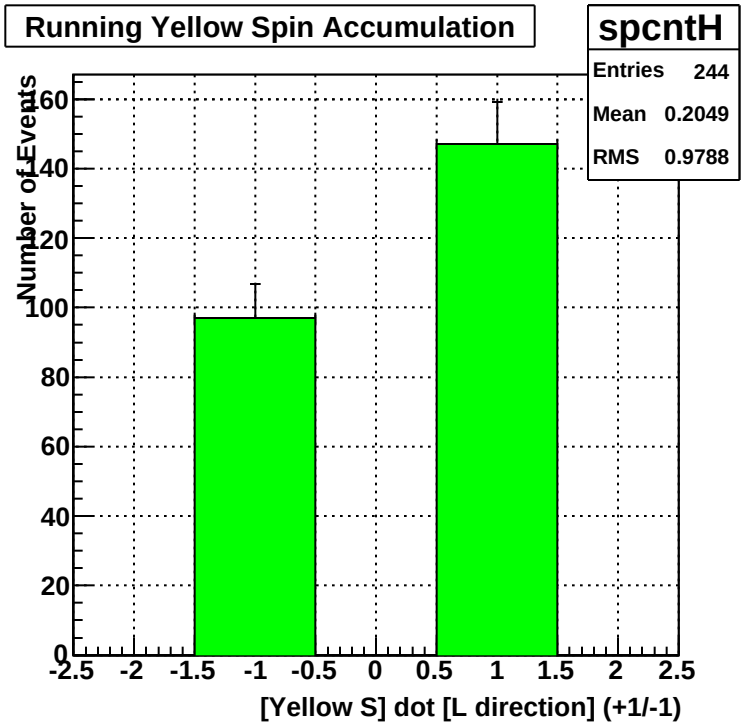
244) Rnum=7129031 EventN=1808424 (3 Yu-S[-])

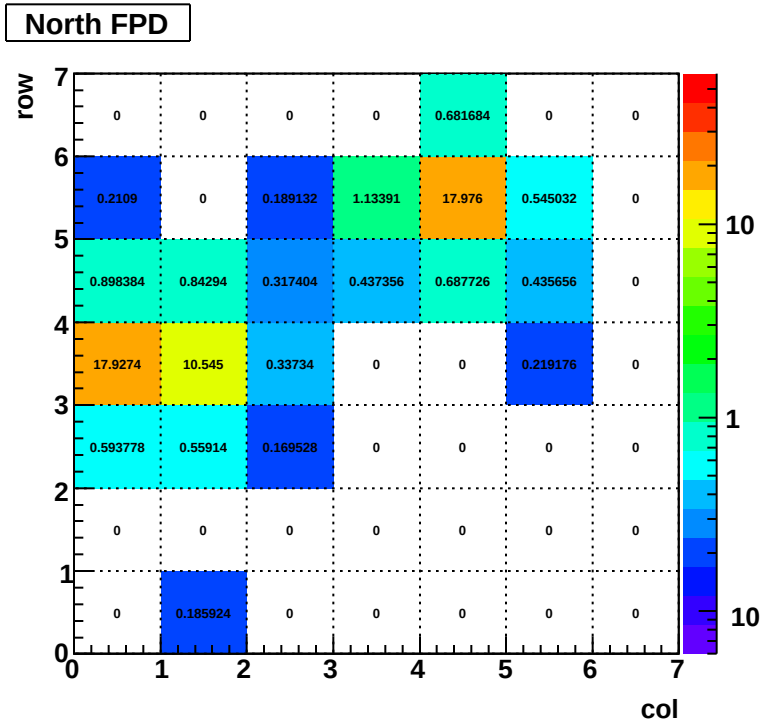
(1) Energy=23.030457 Y=-3.519123 Phi=-2.994618

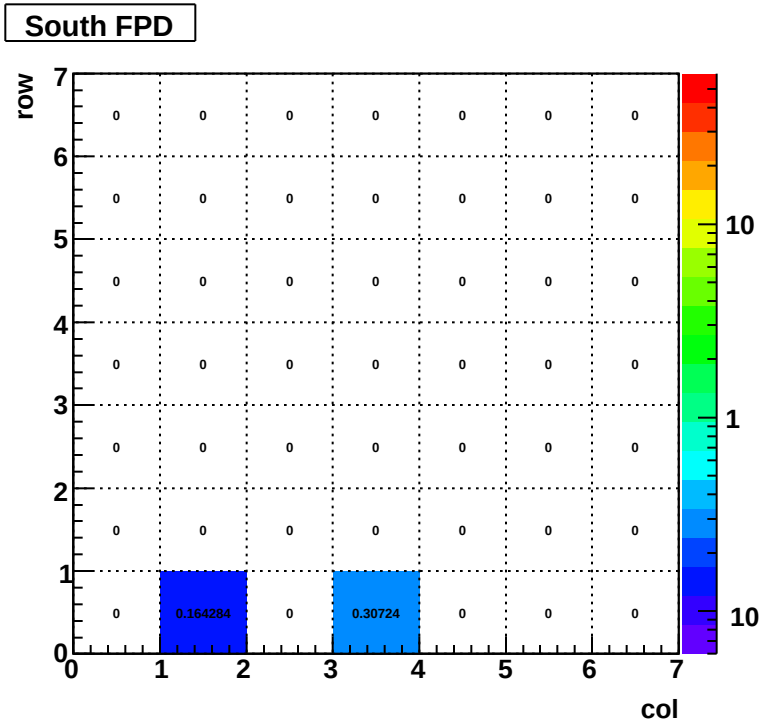
(2) Energy=33.609406 Y=-3.852743 Phi=3.130846

M12=0.516 Y12=-3.707 Phi12=-3.075 E12=56.640

SumN(-) = 97 SumN(+)= 147 AN/.6=0.342







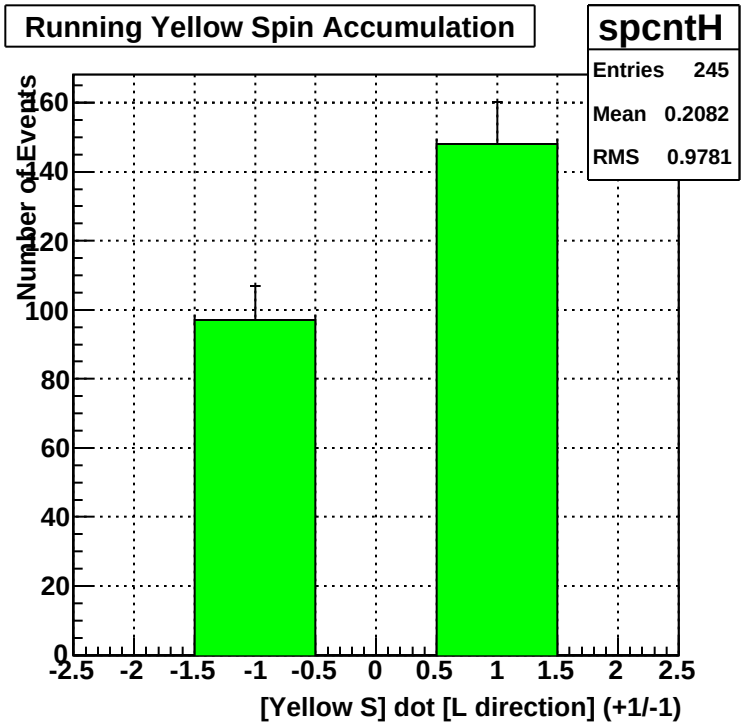
245) Rnum=7129031 EventN=2102263 (0 Yd-S[+])

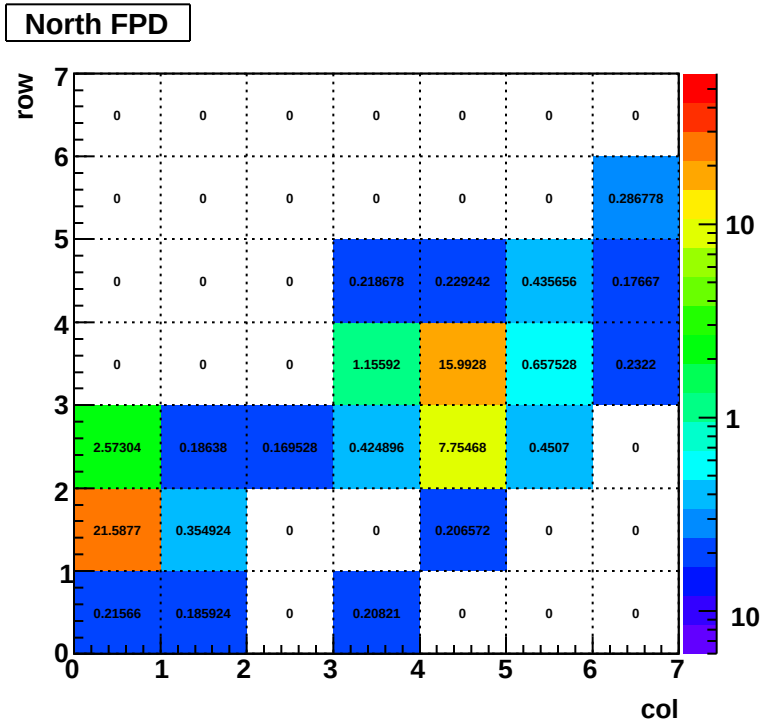
(1) Energy=28.655321 Y=-3.897034 Phi=2.916249

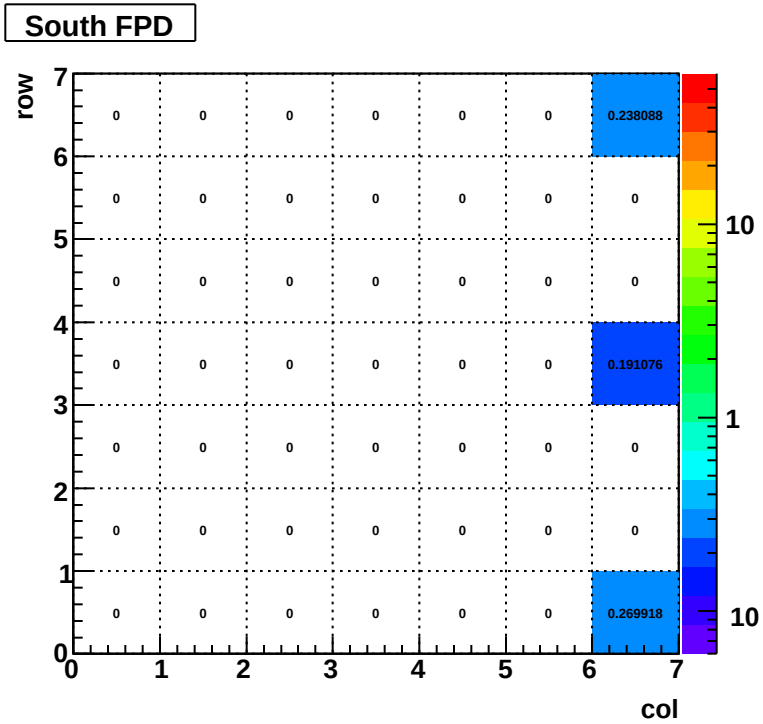
(2) Energy=27.971516 Y=-3.525427 Phi=3.094758

M12=0.573 Y12=-3.700 Phi12=3.021 E12=56.627

SumN(-) = 97 SumN(+)= 148 AN/.6=0.347







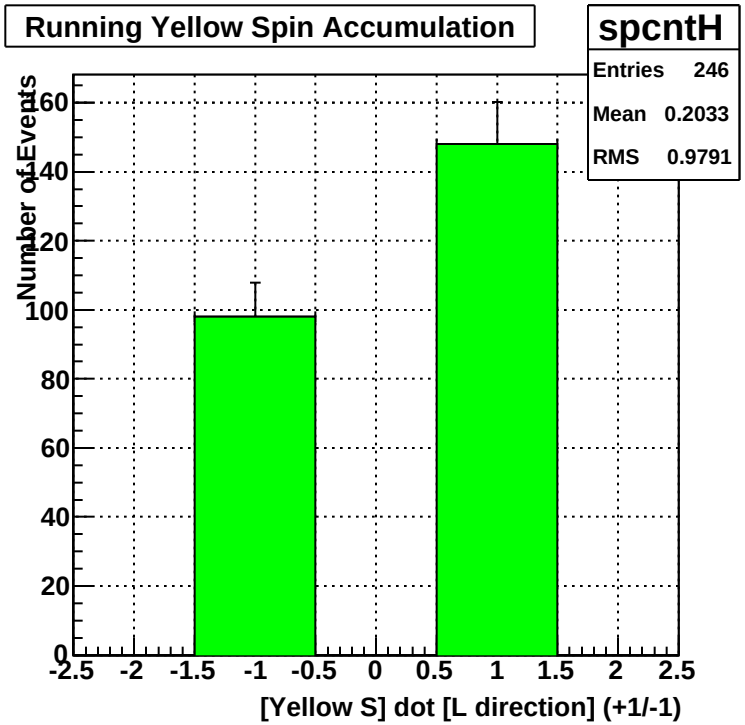
246) Rnum=7129031 EventN=2403350 (1 Yu-S[-])

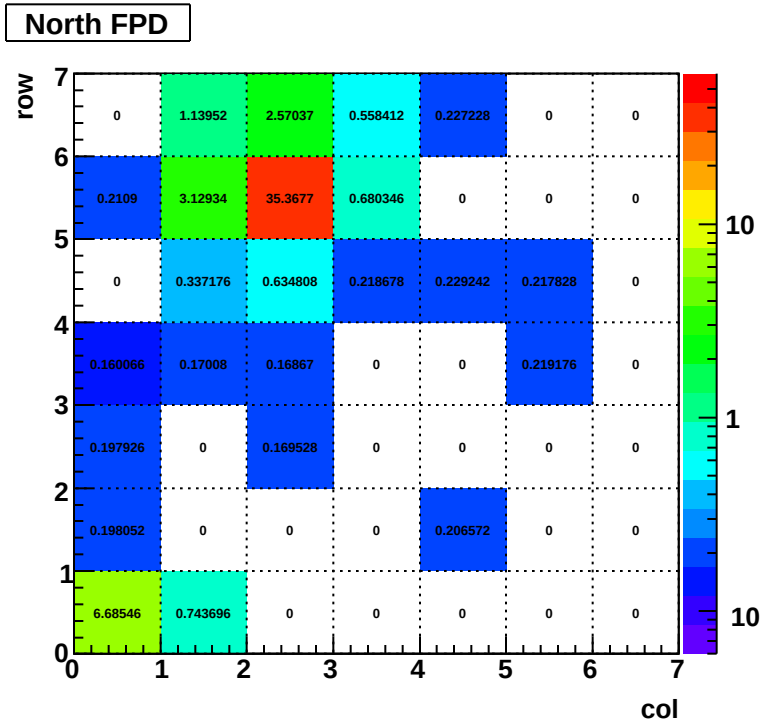
(1) Energy=46.910946 Y=-3.693838 Phi=-2.950711

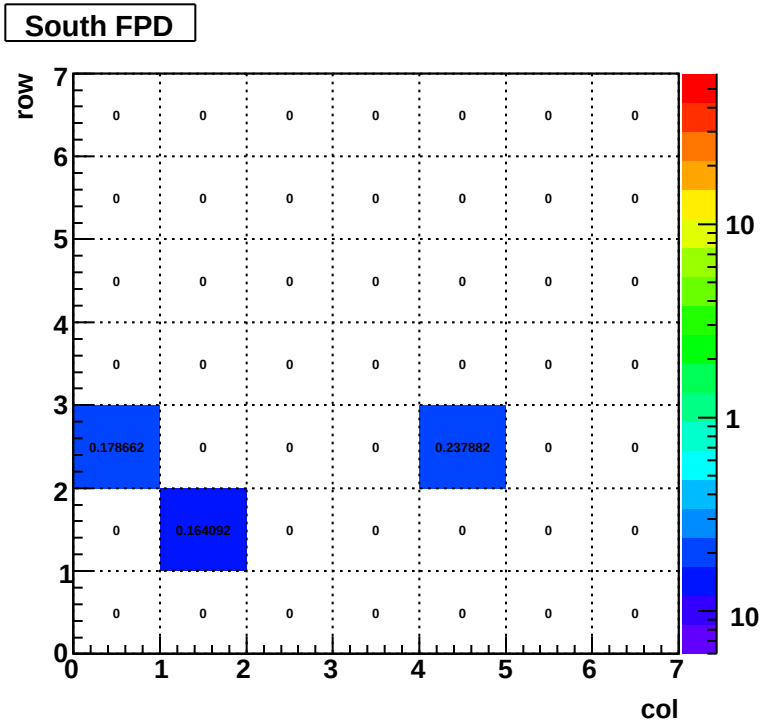
(2) Energy=8.760380 Y=-3.821663 Phi=2.784129

M12=0.526 Y12=-3.731 Phi12=-3.026 E12=55.671

SumN(-) = 98 SumN(+)= 148 AN/.6=0.339







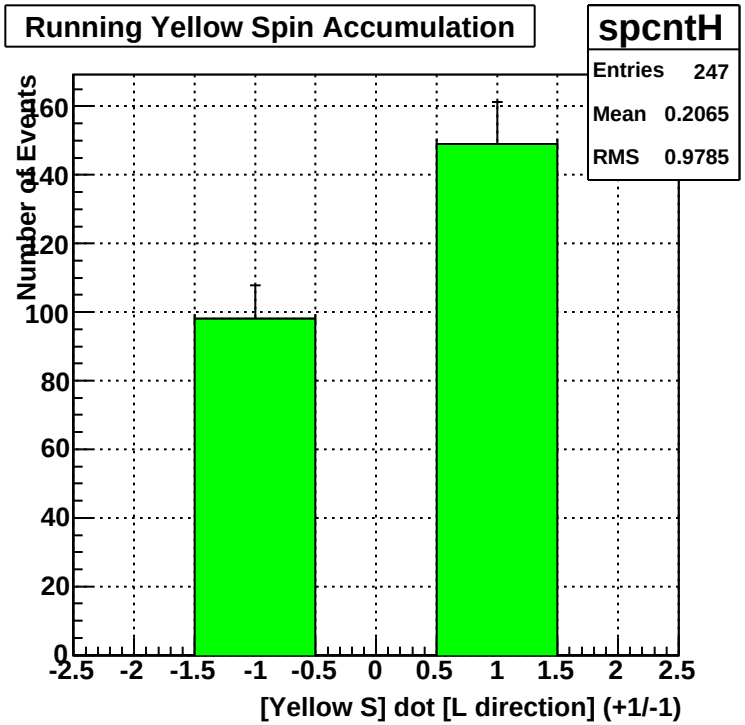
247) Rnum=7129032 EventN=7808059 (2 Yd-S[+])

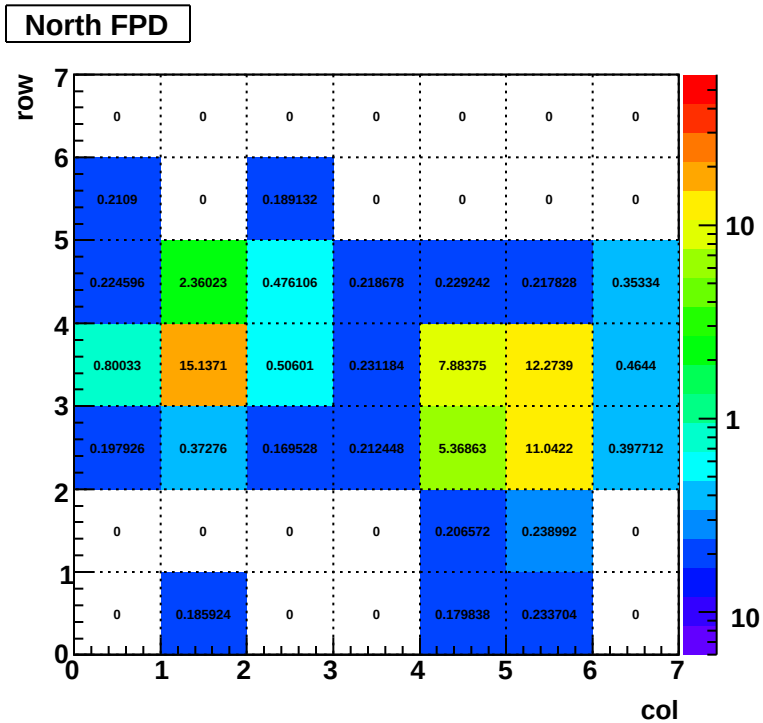
(1) Energy=20.774269 Y=-3.797954 Phi=-3.128554

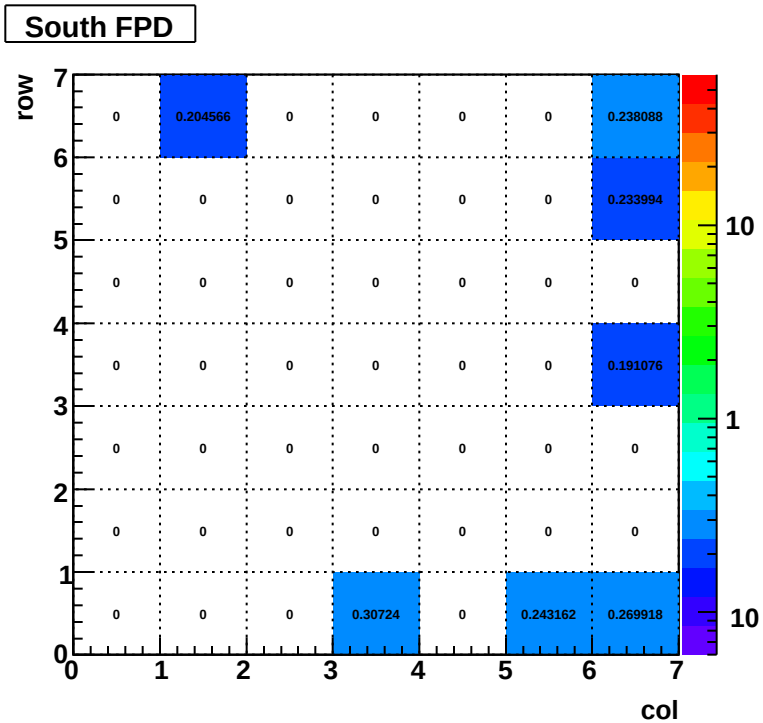
(2) Energy=39.196060 Y=-3.477973 Phi=3.093024

M12=0.491 Y12=-3.578 Phi12=3.110 E12=59.970

SumN(-) = 98 SumN(+)= 149 AN/.6=0.344







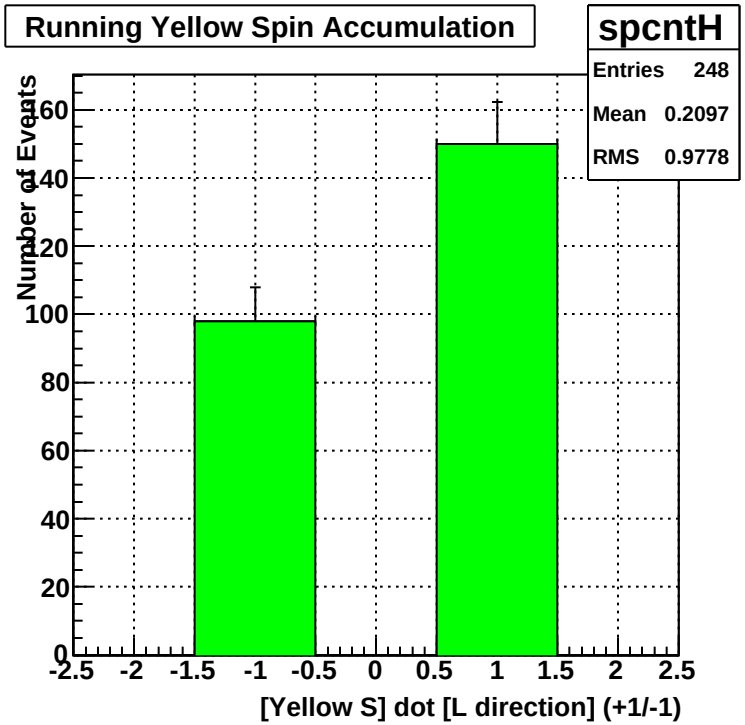
248) Rnum=7129032 EventN=1404438 (0 Yd-S[+])

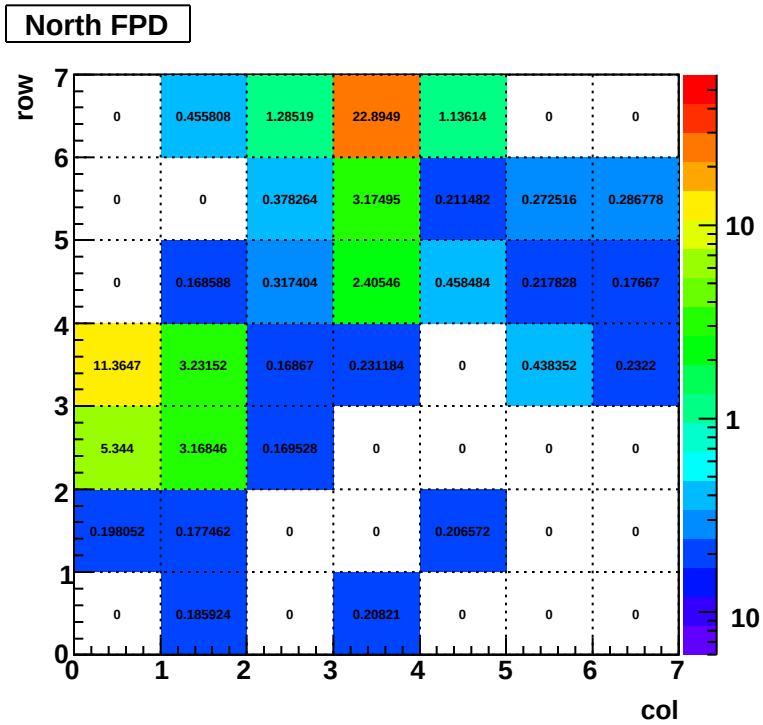
(1) Energy=31.078911 Y=-3.583107 Phi=-2.919571

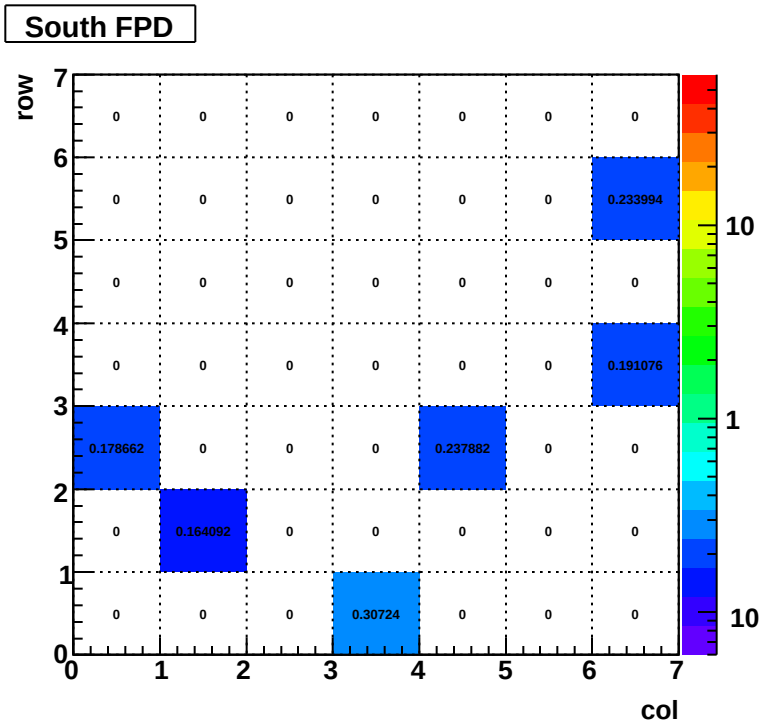
(2) Energy=24.943293 Y=-3.857351 Phi=3.075177

M12=0.537 Y12=-3.706 Phi12=-3.029 E12=56.022

SumN(-) = 98 SumN(+)= 150 AN/.6=0.349







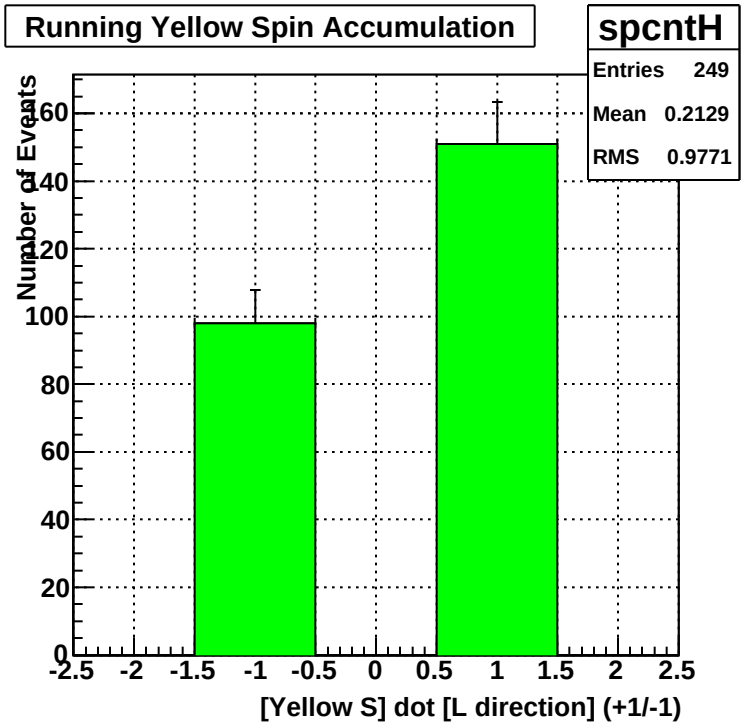
249) Rnum=7129035 EventN=6705338 (1 Yu-N[+])

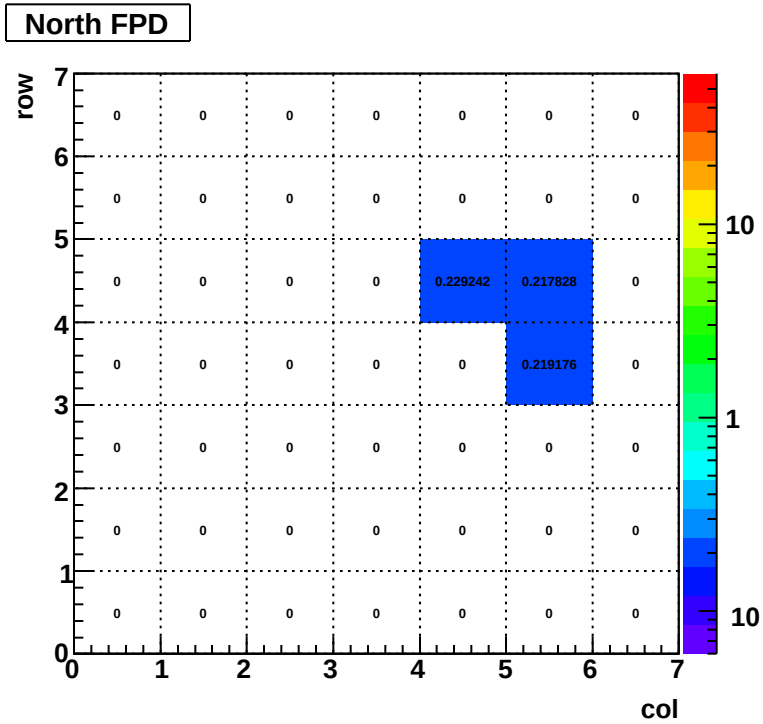
(1) Energy=39.419254 Y=-3.511001 Phi=-0.093860

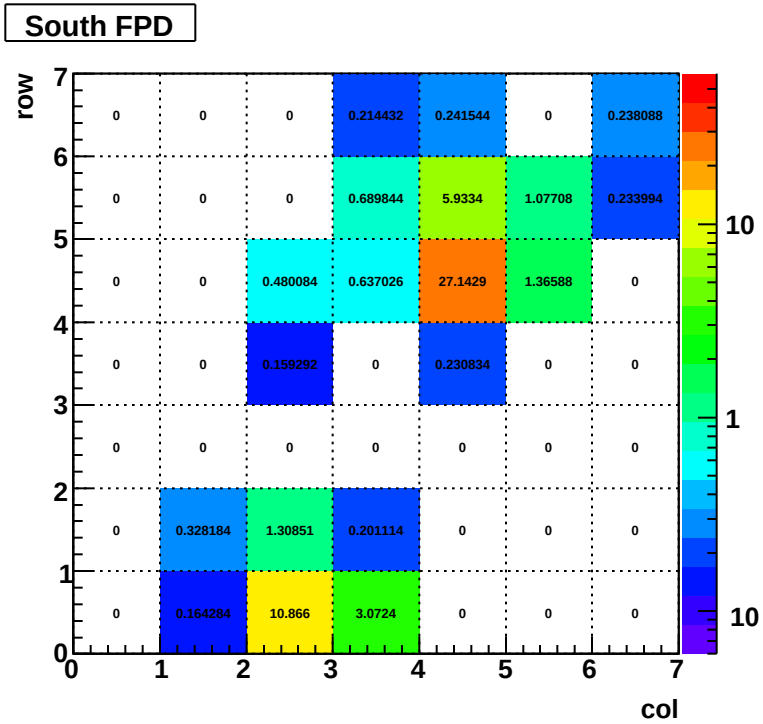
(2) Energy=16.381123 Y=-3.626341 Phi=0.267638

M12=0.540 Y12=-3.556 Phi12=0.003 E12=55.800

SumN(-) = 98 SumN(+)= 151 AN/.6=0.355







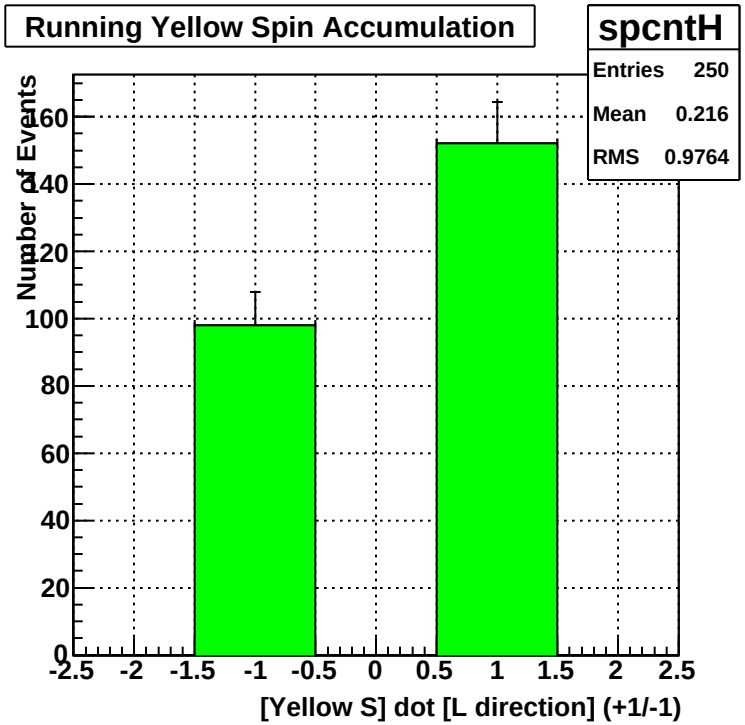
250) Rnum=7129035 EventN=7306393 (2 Yd-S[+])

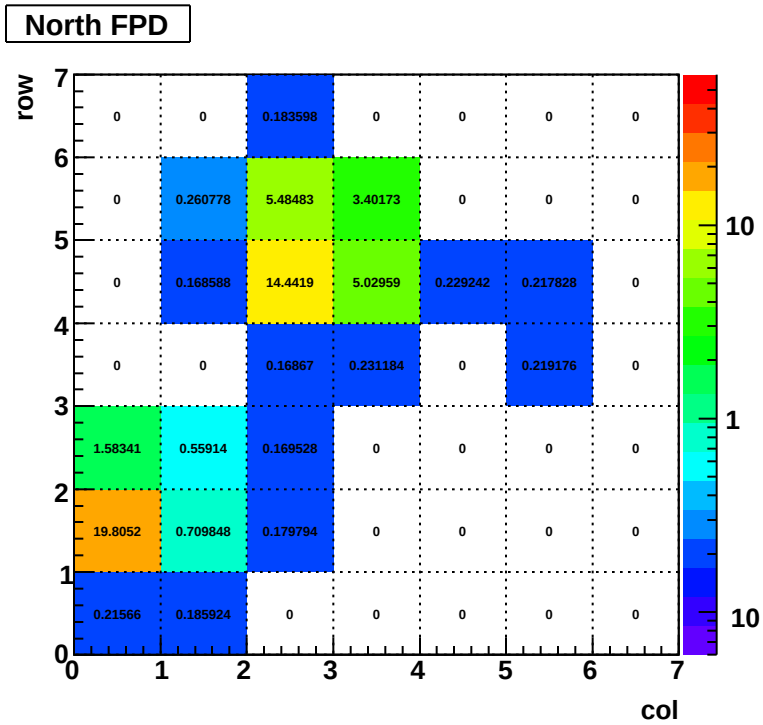
(1) Energy=25.769867 Y=-3.881795 Phi=2.913959

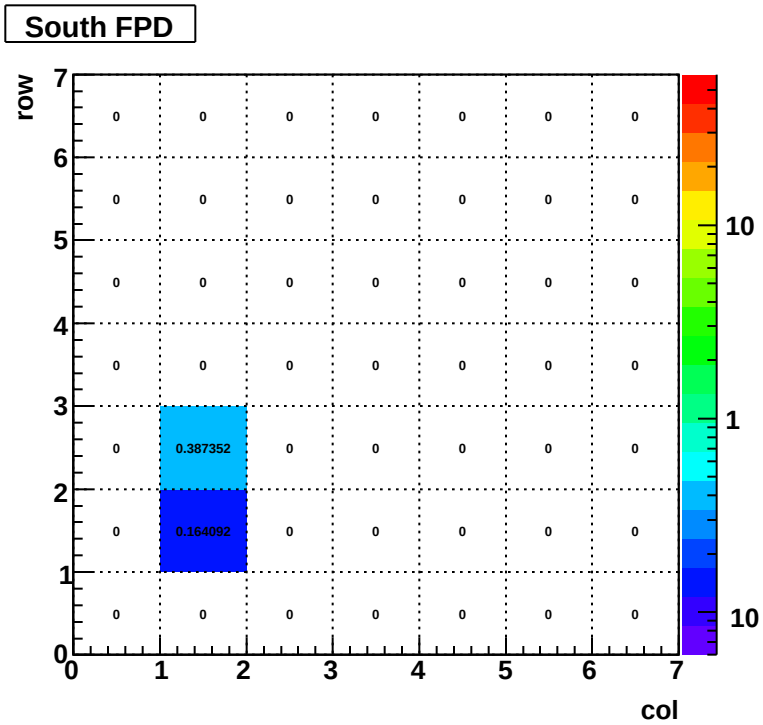
(2) Energy=30.499372 Y=-3.649831 Phi=-3.025795

M12=0.536 Y12=-3.764 Phi12=3.120 E12=56.269

SumN(-) = 98 SumN(+)= 152 AN/.6=0.360







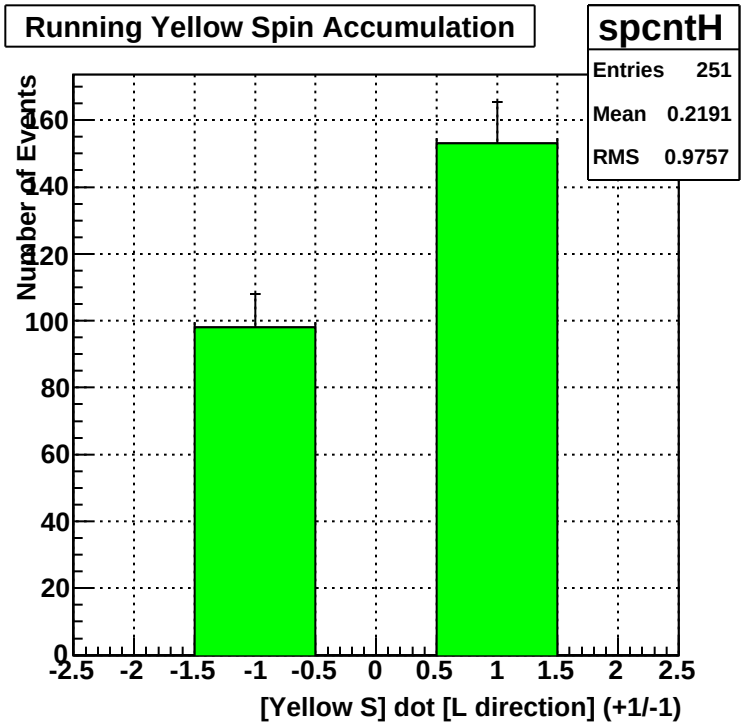
251) Rnum=7129035 EventN=8508818 (3 Yu-N[+])

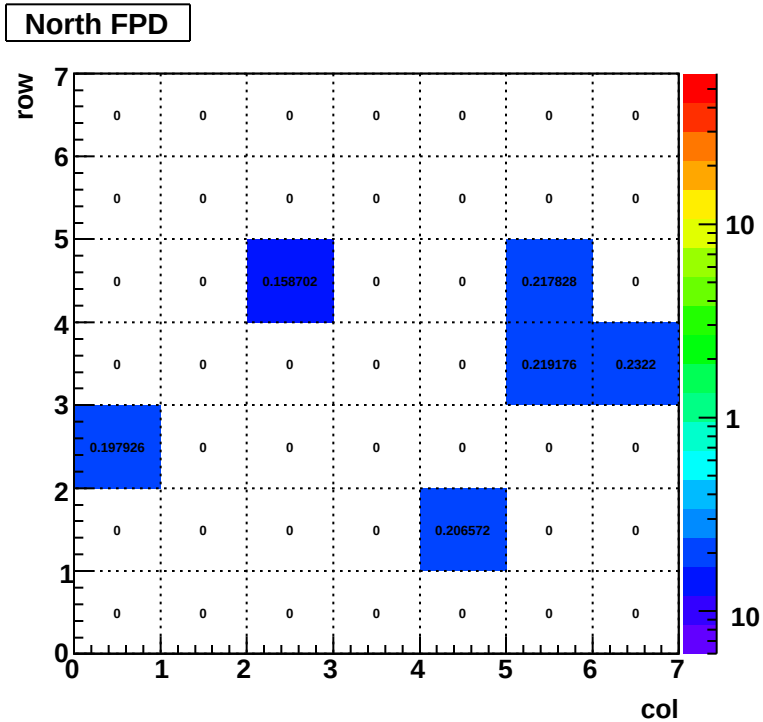
(1) Energy=45.780632 Y=-3.469986 Phi=-0.096975

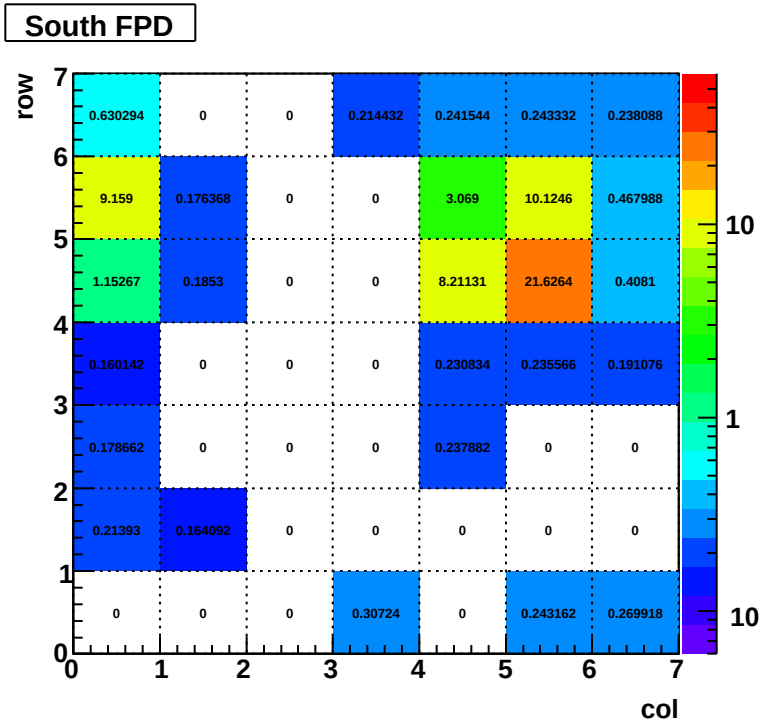
(2) Energy=12.806998 Y=-3.911537 Phi=-0.191206

M12=0.549 Y12=-3.552 Phi12=-0.111 E12=58.588

SumN(-) = 98 SumN(+)= 153 AN/.6=0.365







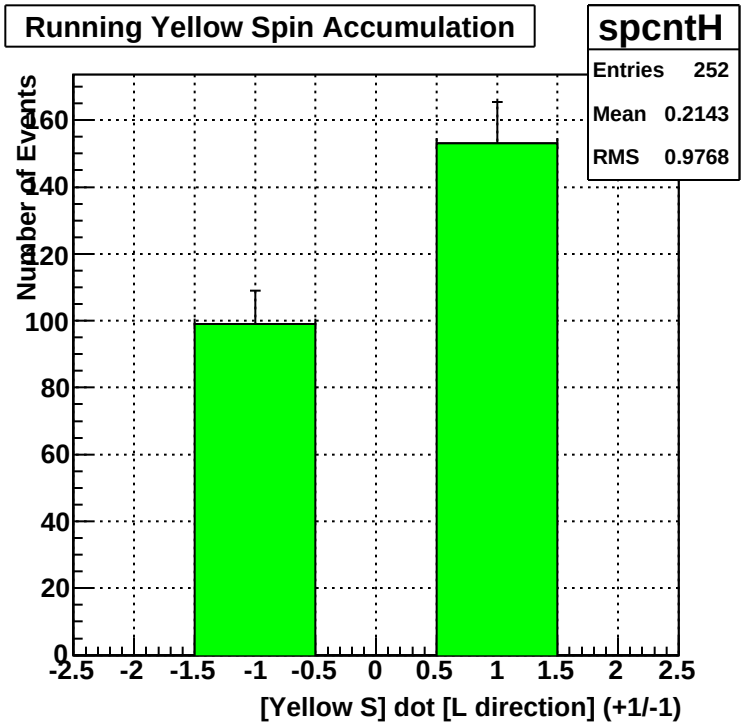
252) Rnum=7129041 EventN=104965 (1 Yu-S[-])

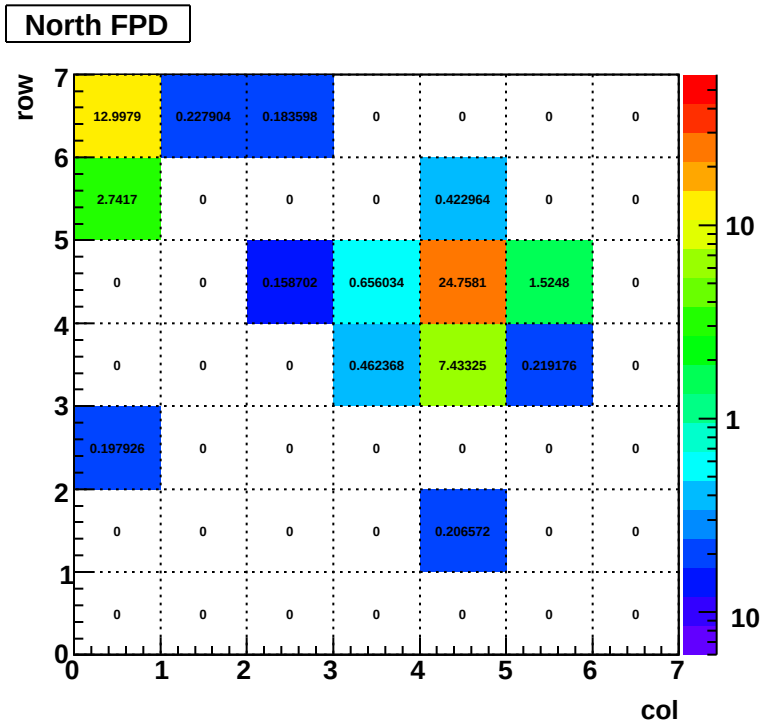
(1) Energy=37.330105 Y=-3.520018 Phi=-3.103523

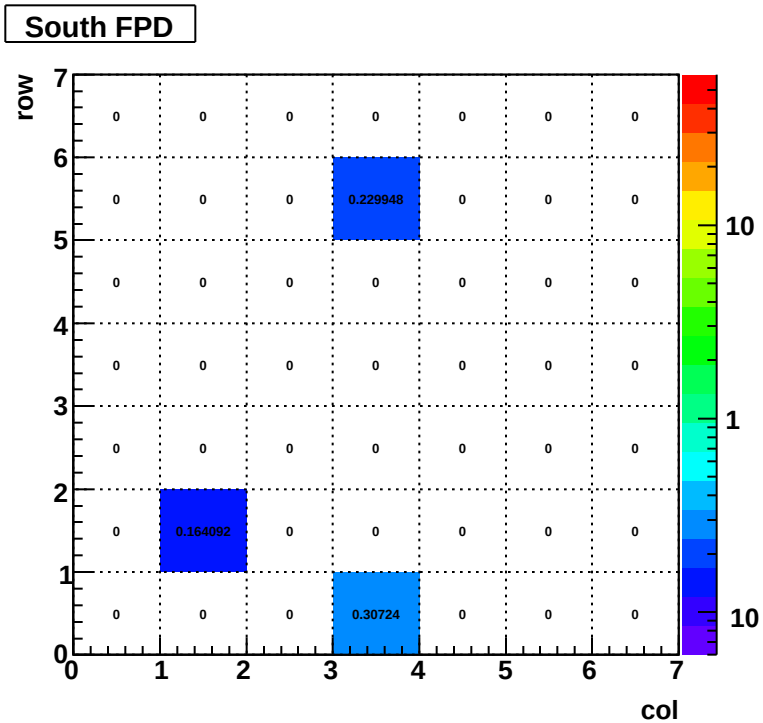
(2) Energy=18.573799 Y=-3.877826 Phi=-2.849842

M12=0.573 Y12=-3.631 Phi12=-3.038 E12=55.904

SumN(-) = 99 SumN(+)= 153 AN/.6=0.357







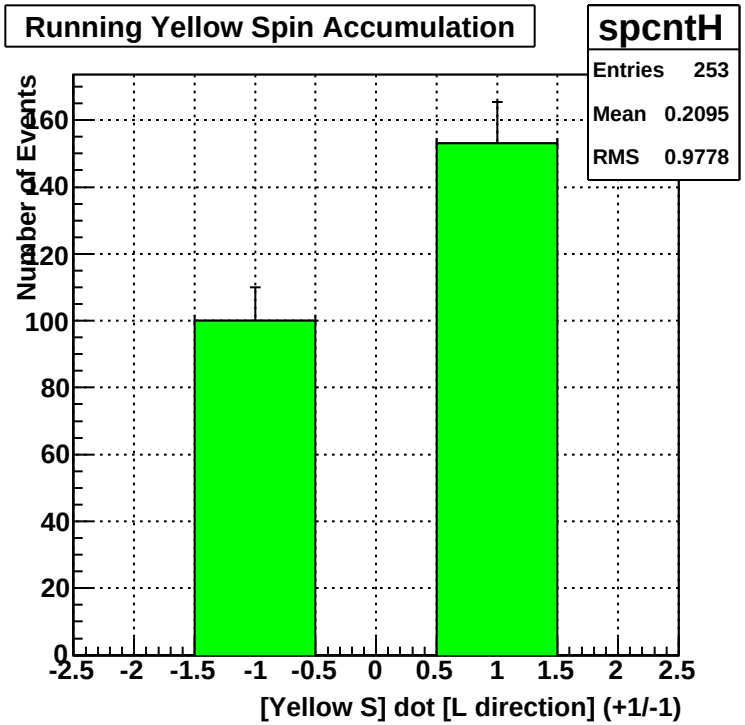
253) Rnum=7129058 EventN=3505807 (0 Yd-N[-])

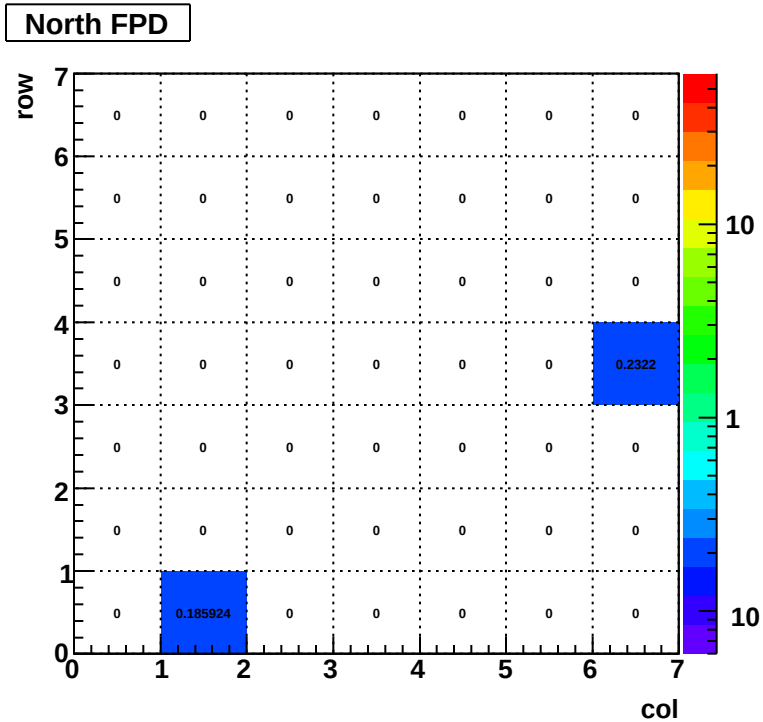
(1) Energy=48.069309 Y=-3.742294 Phi=0.037109

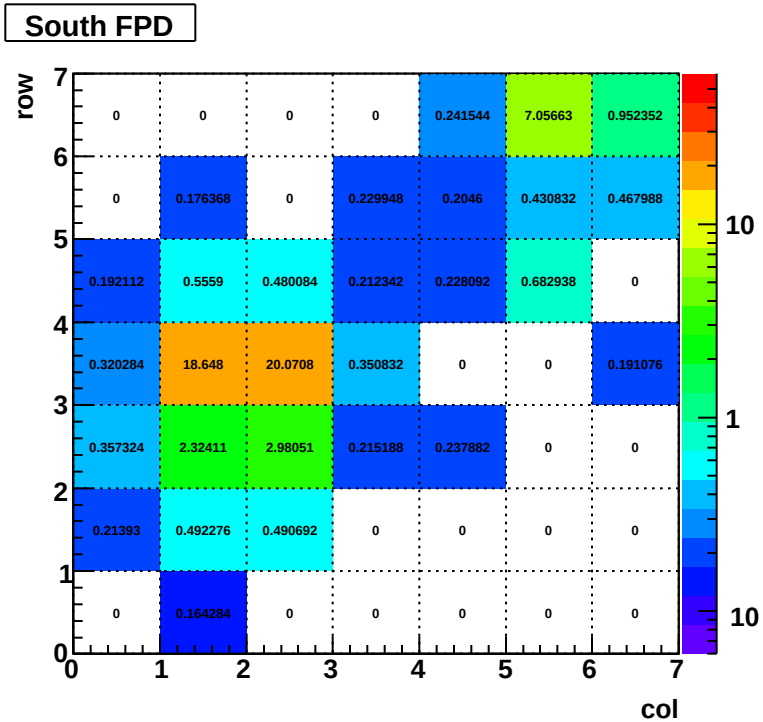
(2) Energy=9.749595 Y=-3.407638 Phi=-0.194008

M12=0.494 Y12=-3.682 Phi12=-0.014 E12=57.819

SumN(-) = 100 SumN(+)= 153 AN/.6=0.349







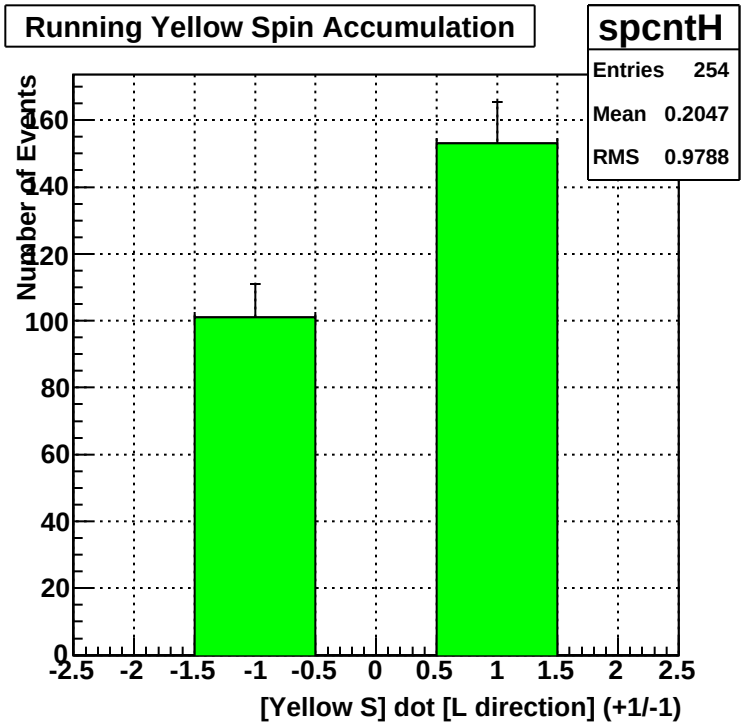
254) Rnum=7129058 EventN=3908110 (3 Yu-S[-])

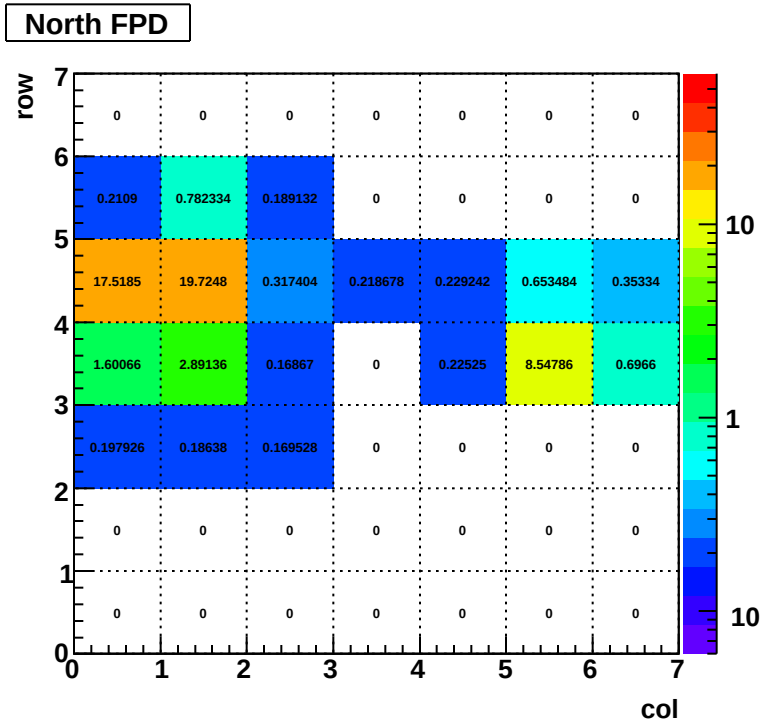
(1) Energy=45.180878 Y=-3.844471 Phi=-3.069076

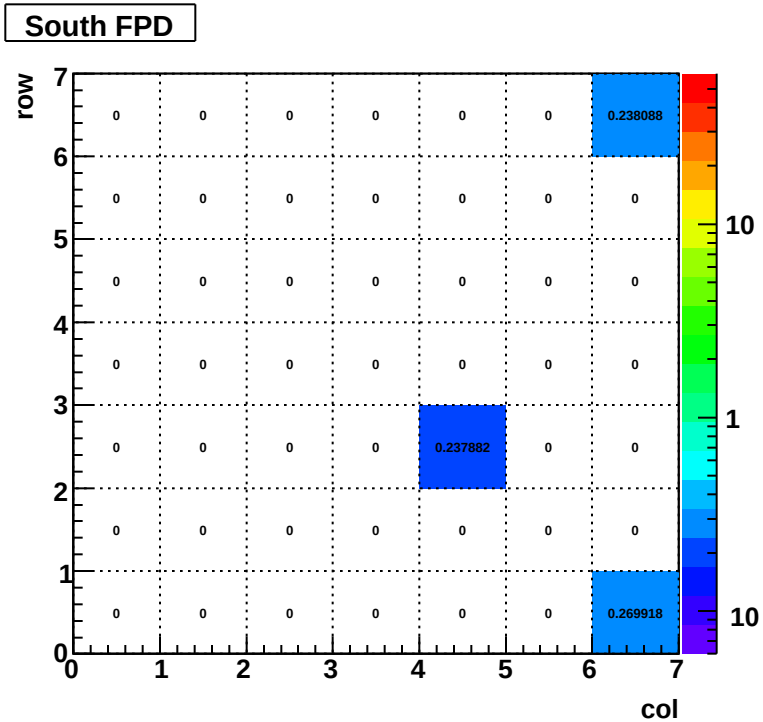
(2) Energy=11.329804 Y=-3.433778 Phi=-3.141241

M12=0.499 Y12=-3.748 Phi12=-3.089 E12=56.511

SumN(-) = 101 SumN(+)= 153 AN/.6=0.341







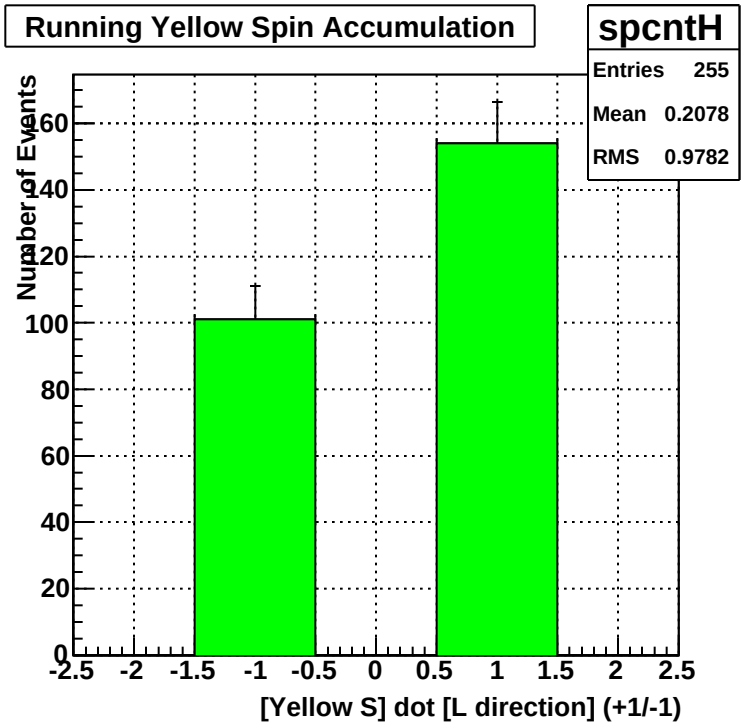
255) Rnum=7129060 EventN=5504169 (1 Yu-N[+])

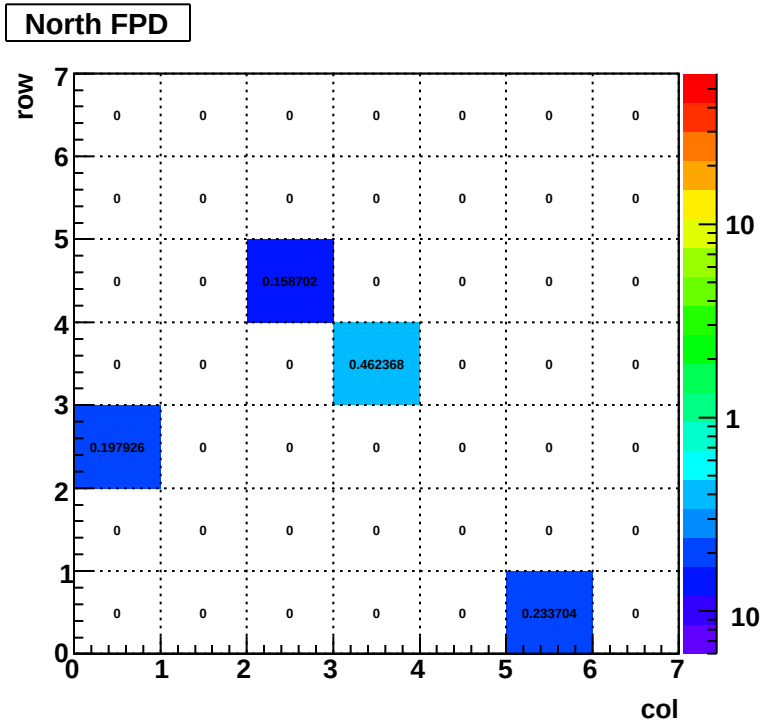
(1) Energy=21.875452 Y=-3.784022 Phi=-0.085977

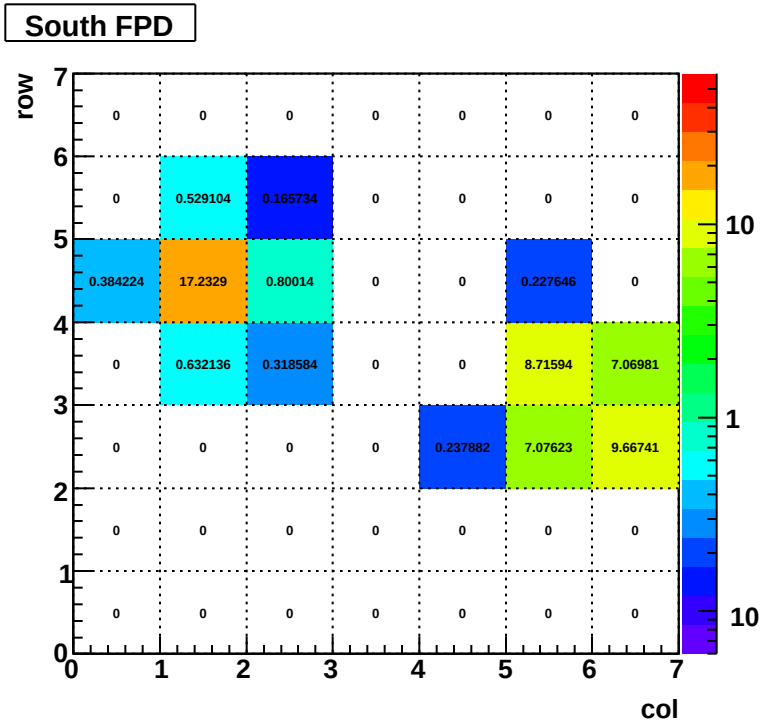
(2) Energy=34.821426 Y=-3.407730 Phi=0.046497

M12=0.607 Y12=-3.539 Phi12=0.007 E12=56.697

SumN(-) = 101 SumN(+)= 154 AN/.6=0.346







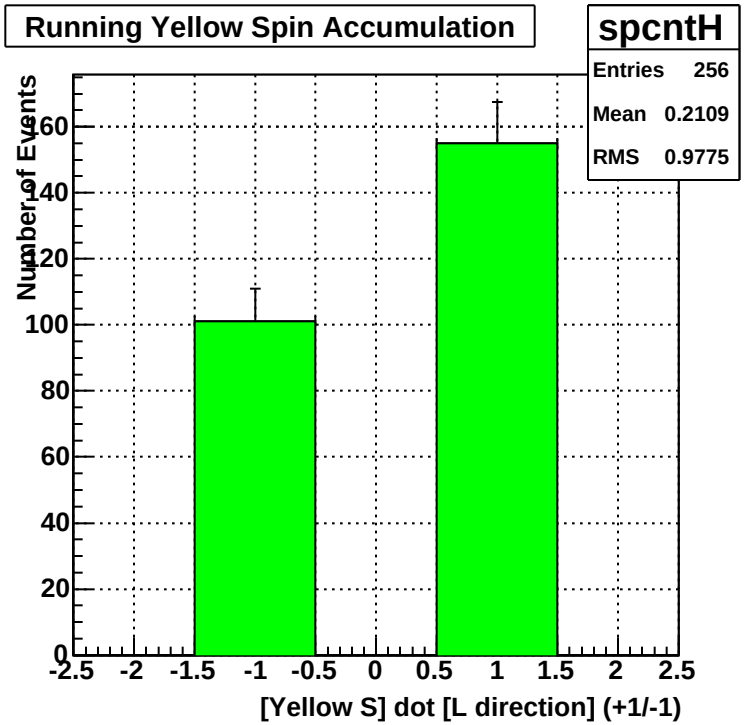
256) Rnum=7129060 EventN=6803941 (3 Yu-N[+])

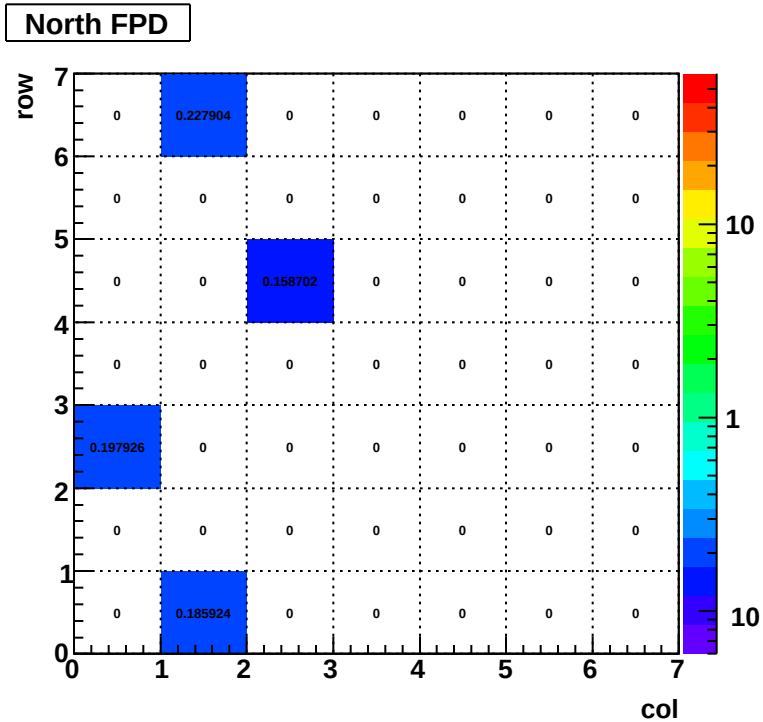
(1) Energy=46.145523 Y=-3.636360 Phi=-0.211192

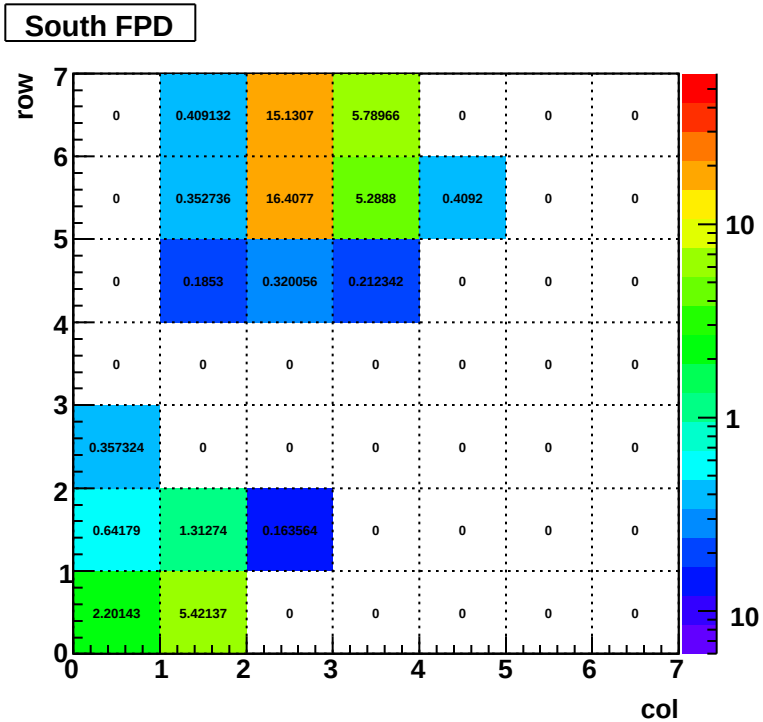
(2) Energy=10.243611 Y=-3.794227 Phi=0.299232

M12=0.560 Y12=-3.681 Phi12=-0.132 E12=56.389

SumN(-) = 101 SumN(+)= 155 AN/.6=0.352







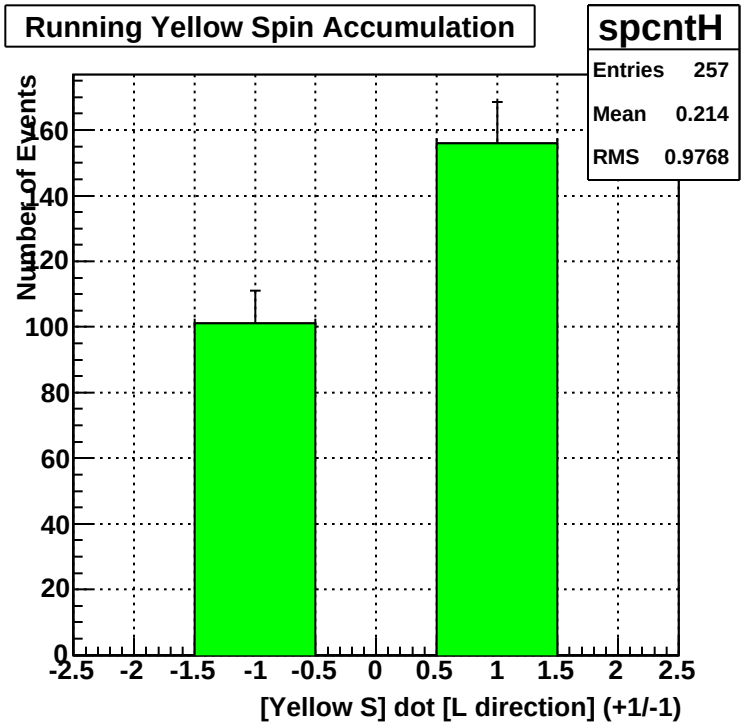
257) Rnum=7129063 EventN=1801754 (2 Yd-S[+])

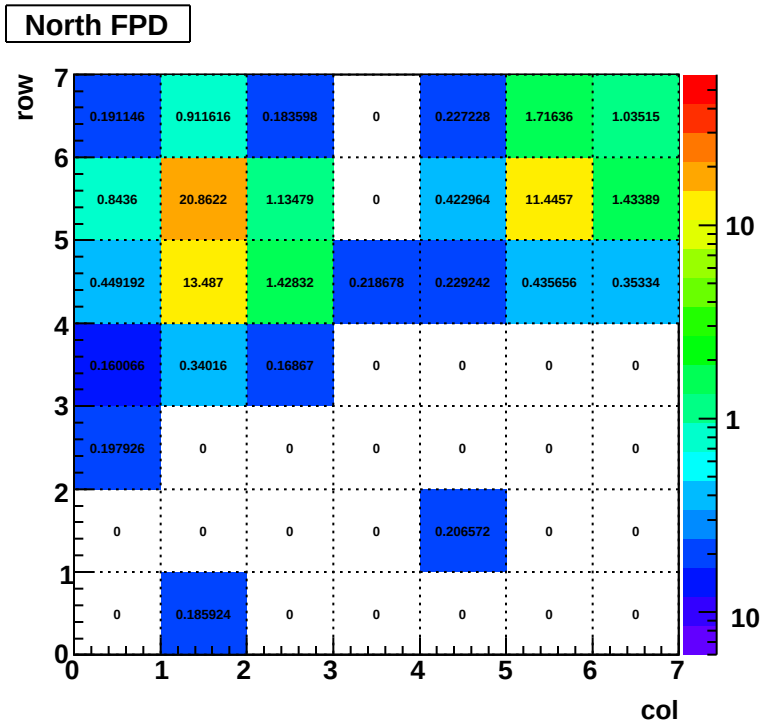
(1) Energy=40.696220 Y=-3.776070 Phi=-2.998779

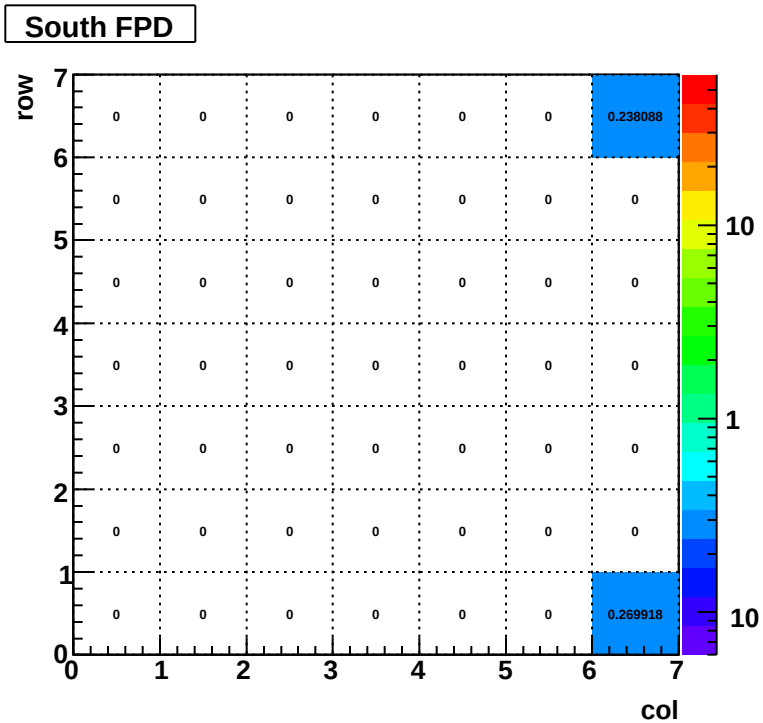
(2) Energy=16.962048 Y=-3.414539 Phi=-2.987899

M12=0.524 Y12=-3.656 Phi12=-2.995 E12=57.658

SumN(-) = 101 SumN(+)= 156 AN/.6=0.357







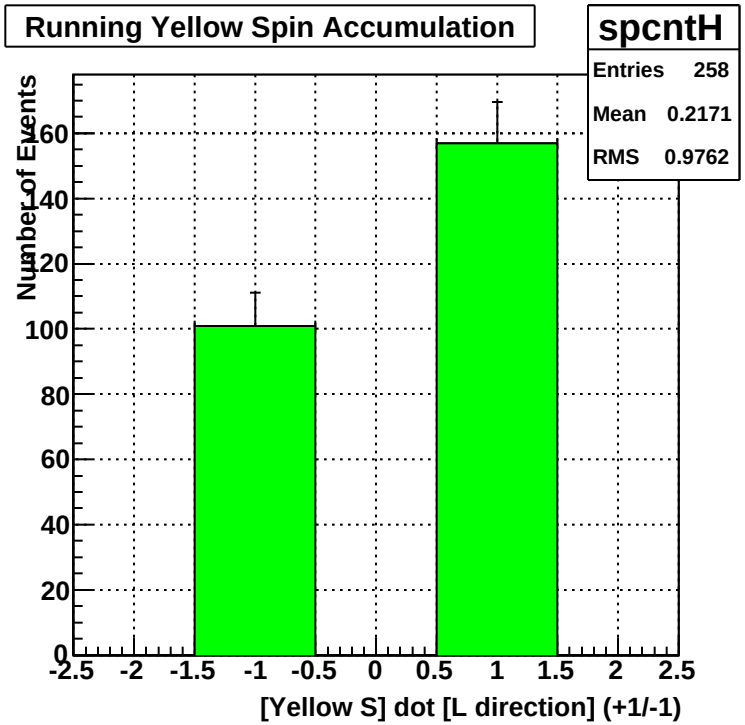
258) Rnum=7129064 EventN=1507797 (3 Yu-N[+])

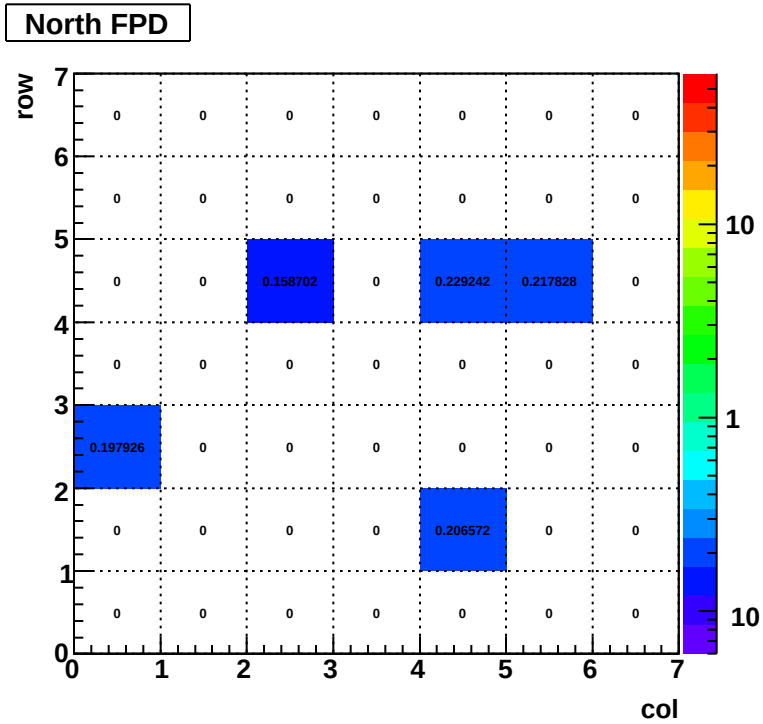
(1) Energy=41.016624 Y=-3.480008 Phi=0.000900

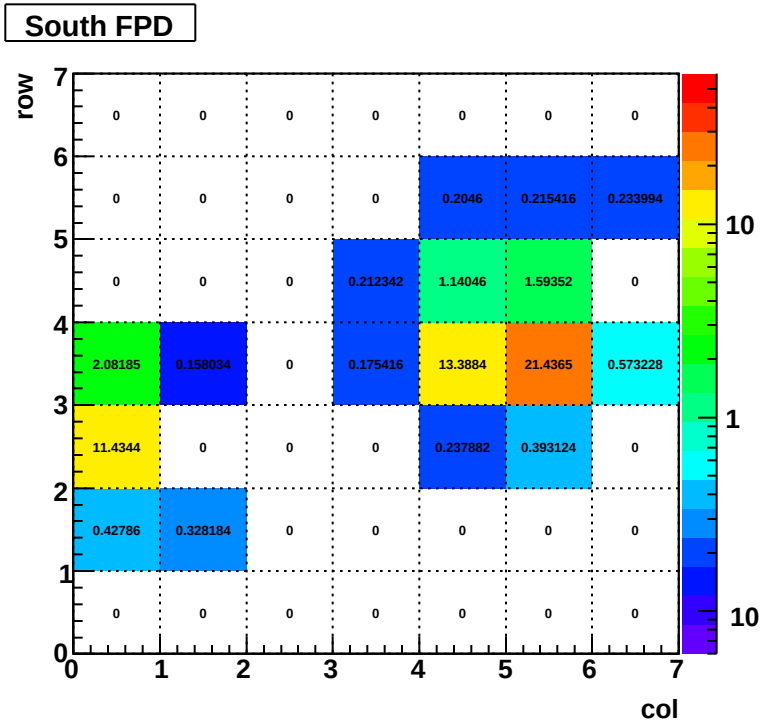
(2) Energy=16.406031 Y=-3.918800 Phi=0.100249

M12=0.581 Y12=-3.588 Phi12=0.021 E12=57.423

SumN(-) = 101 SumN(+)= 157 AN/.6=0.362







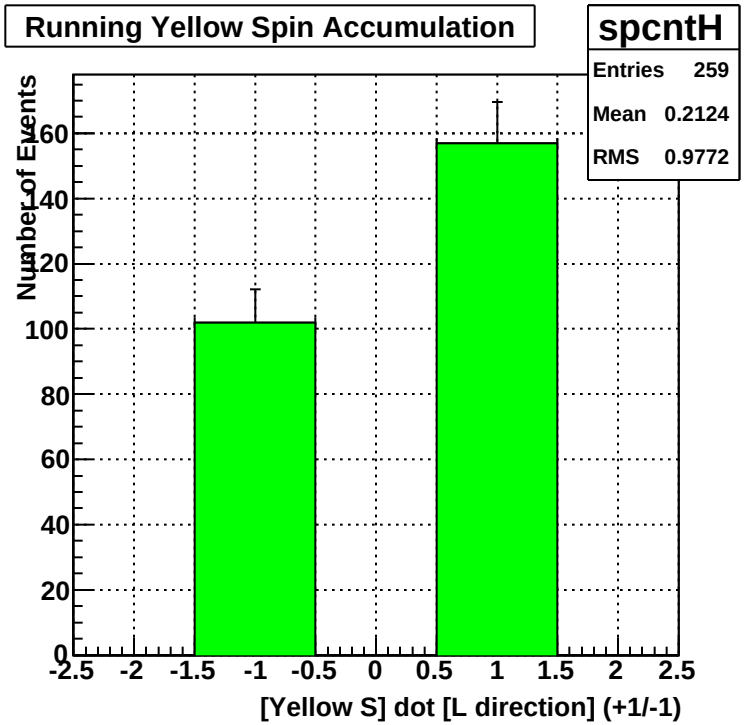
259) Rnum=7129065 EventN=3805272 (0 Yd-N[-])

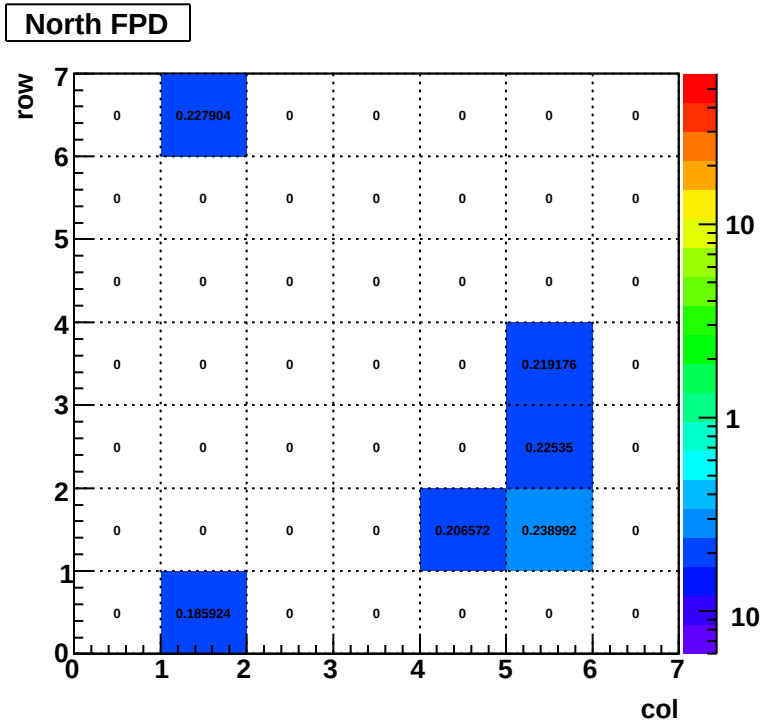
(1) Energy=48.276726 Y=-3.818998 Phi=-0.119192

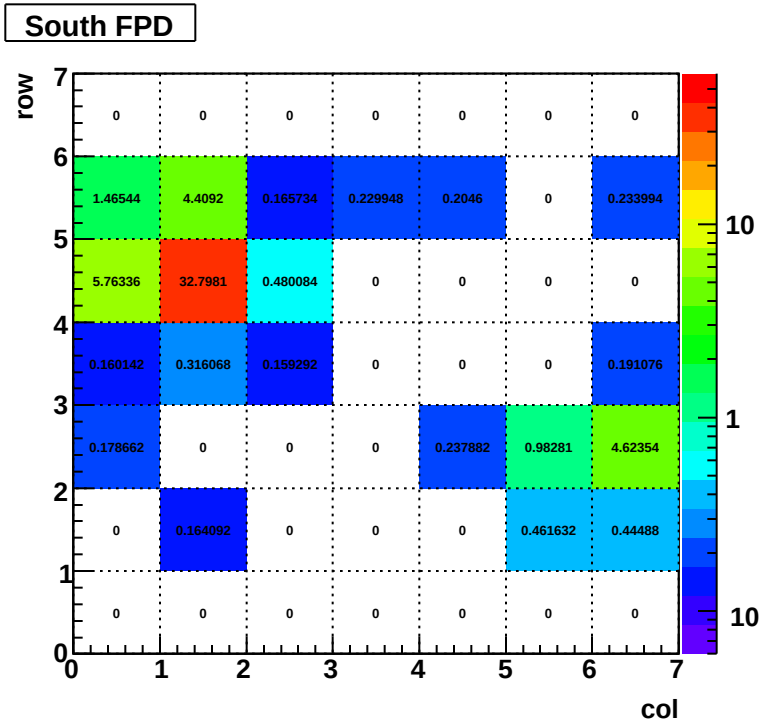
(2) Energy=7.047721 Y=-3.393448 Phi=0.096451

M12=0.480 Y12=-3.757 Phi12=-0.080 E12=55.324

SumN(-) = 102 SumN(+)= 157 AN/.6=0.354







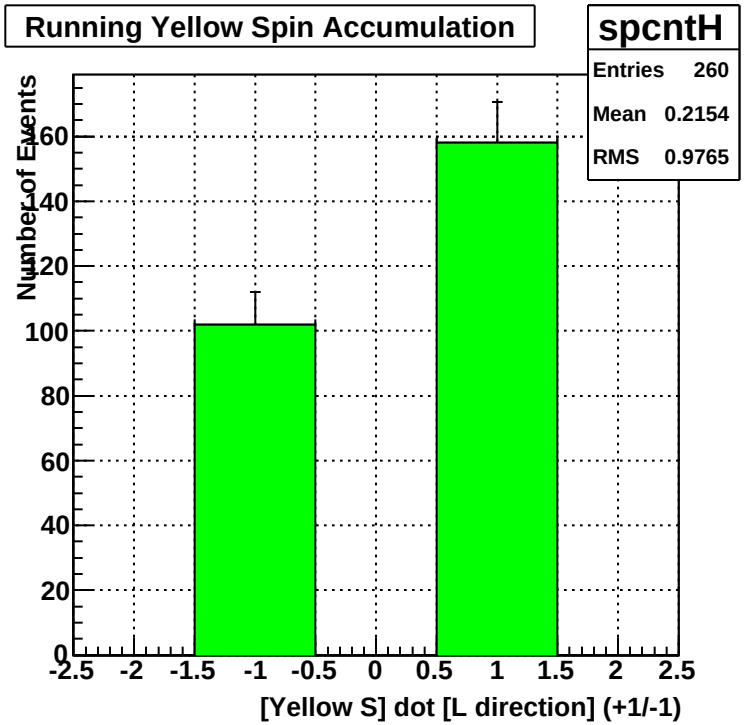
260) Rnum=7129065 EventN=4703506 (3 Yu-N[+])

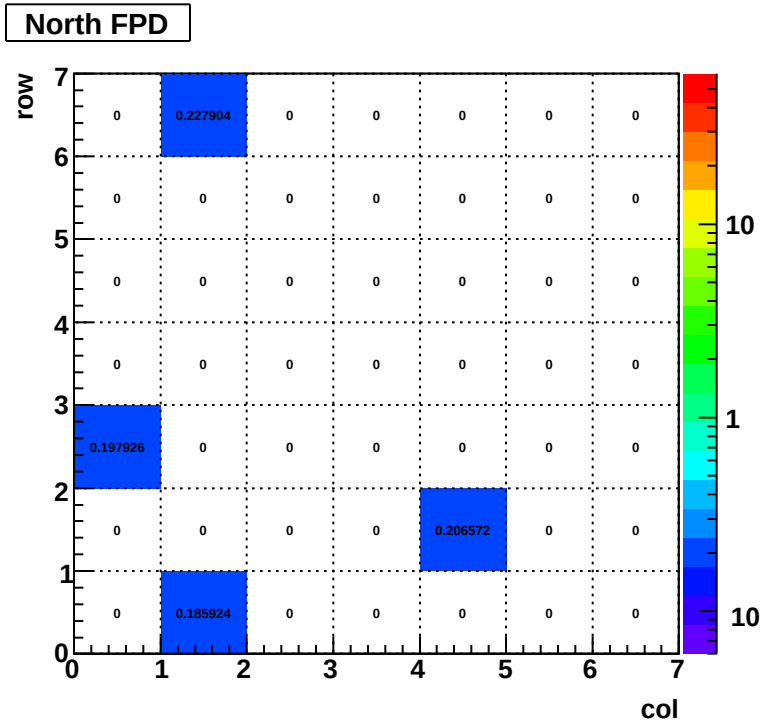
(1) Energy=49.536022 Y=-3.663539 Phi=0.166411

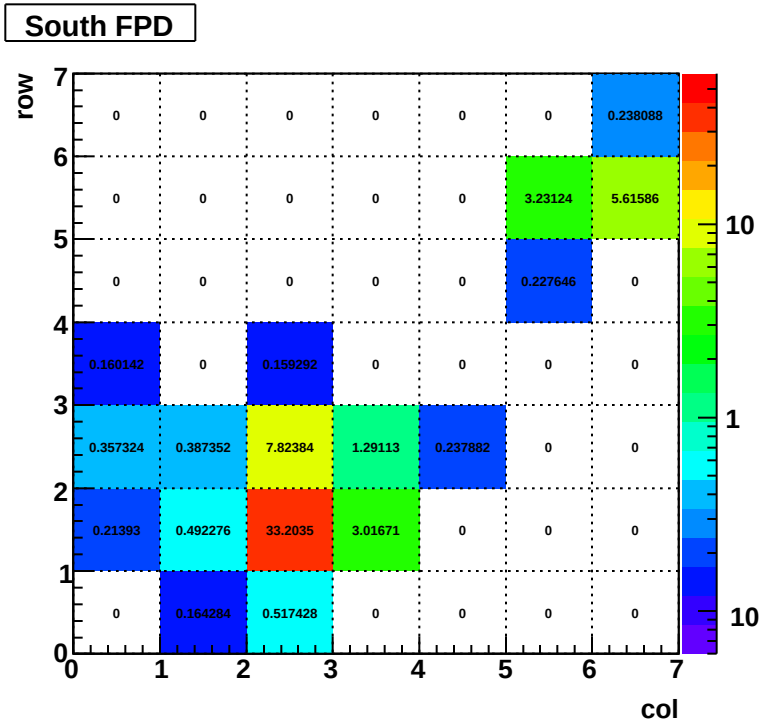
(2) Energy=10.196328 Y=-3.397955 Phi=-0.129800

M12=0.523 Y12=-3.620 Phi12=0.104 E12=59.732

SumN(-) = 102 SumN(+)= 158 AN/.6=0.359







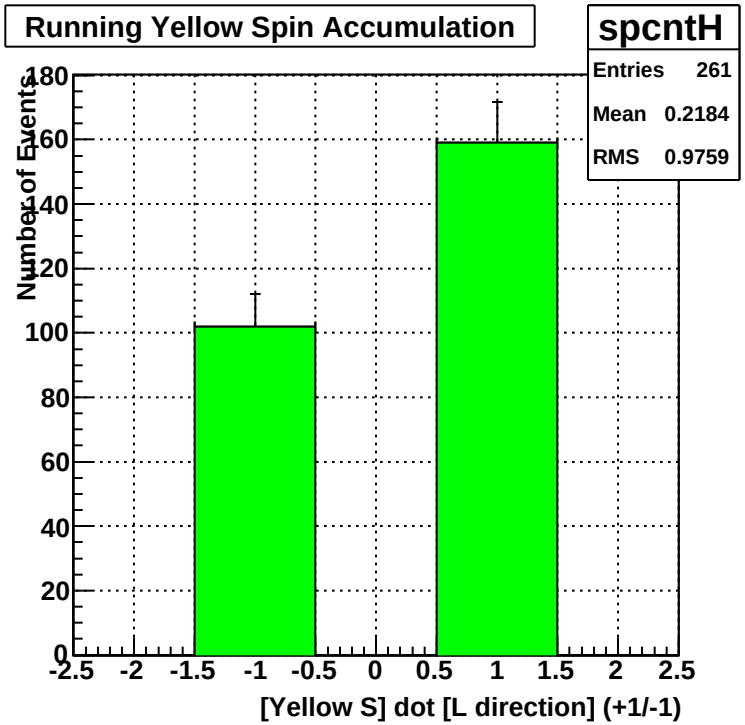
261) Rnum=7120013 EventN=502874 (3 Yu-N[+])

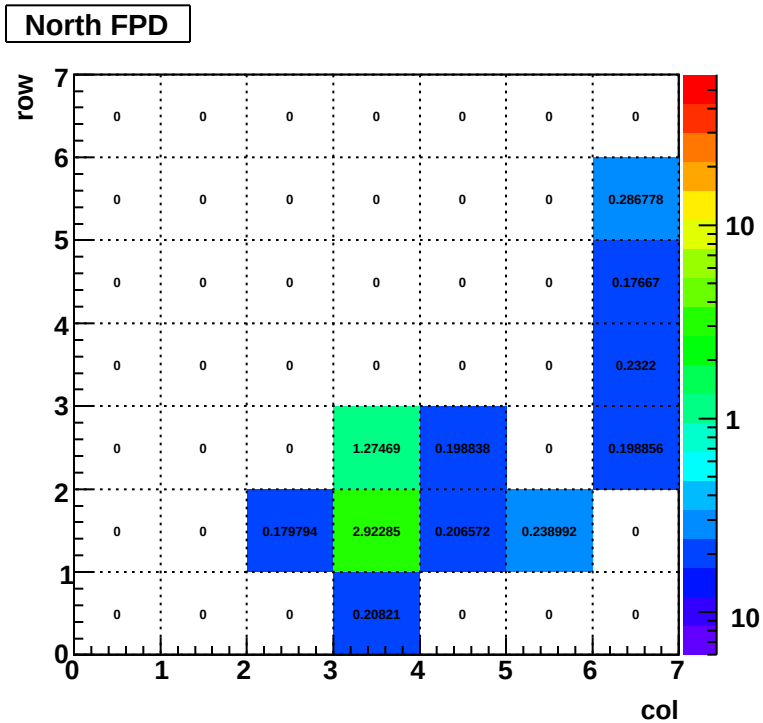
(1) Energy=46.410305 Y=-3.687665 Phi=-0.191738

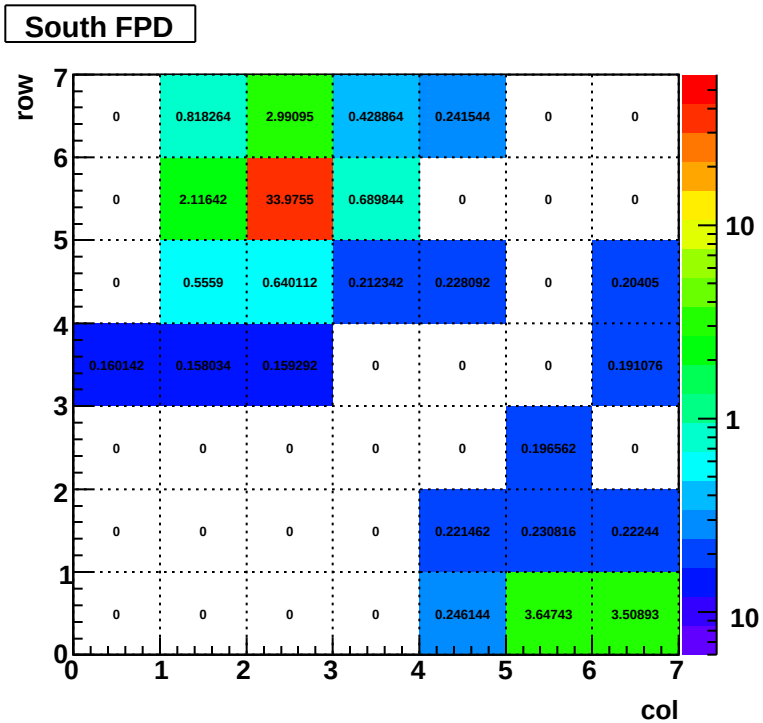
(2) Energy=9.203950 Y=-3.385034 Phi=0.217795

M12=0.610 Y12=-3.645 Phi12=-0.106 E12=55.614

SumN(-) = 102 SumN(+)= 159 AN/.6=0.364







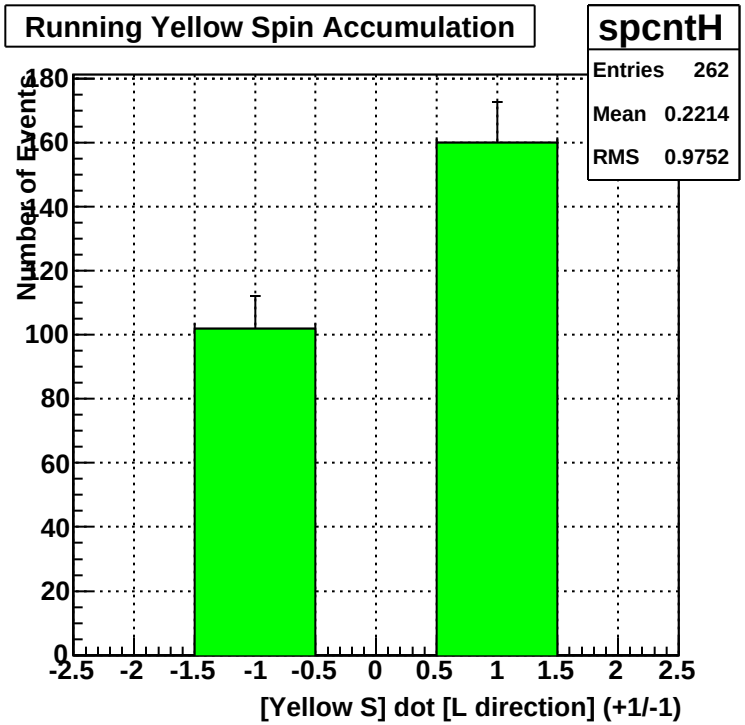
262) Rnum=7120019 EventN=702666 (3 Yu-N[+])

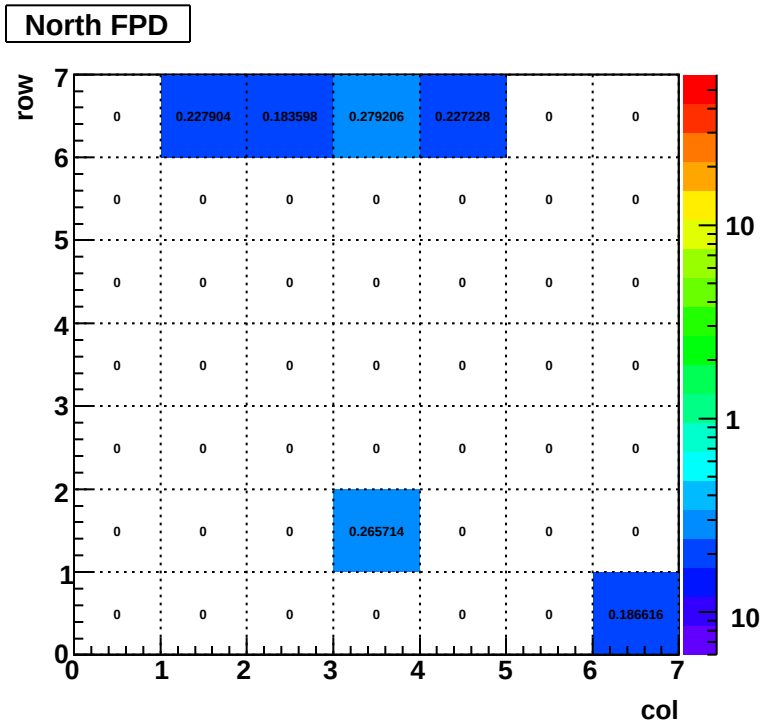
(1) Energy=34.211998 Y=-3.819176 Phi=-0.243266

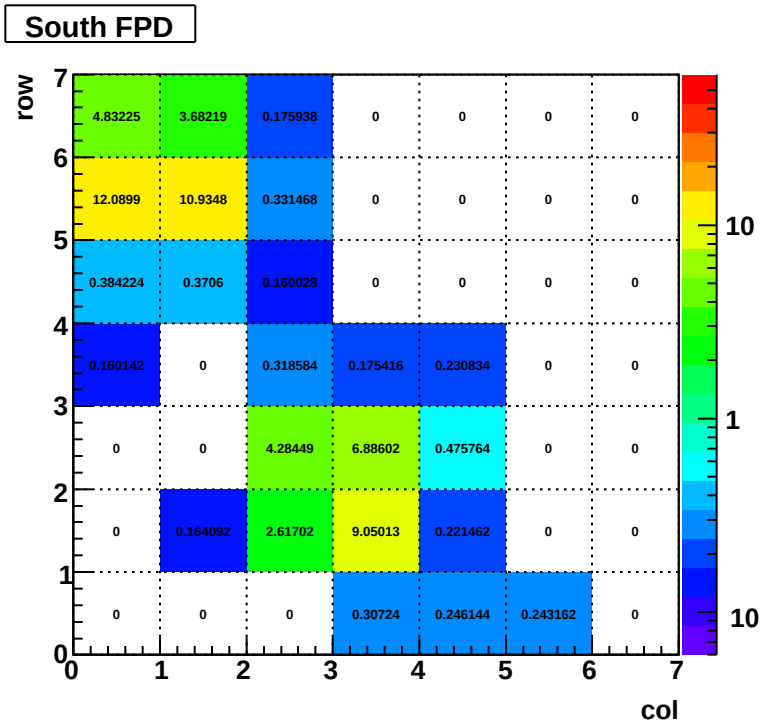
(2) Energy=23.235064 Y=-3.630589 Phi=0.148077

M12=0.588 Y12=-3.758 Phi12=-0.067 E12=57.447

SumN(-) = 102 SumN(+)= 160 AN/.6=0.369







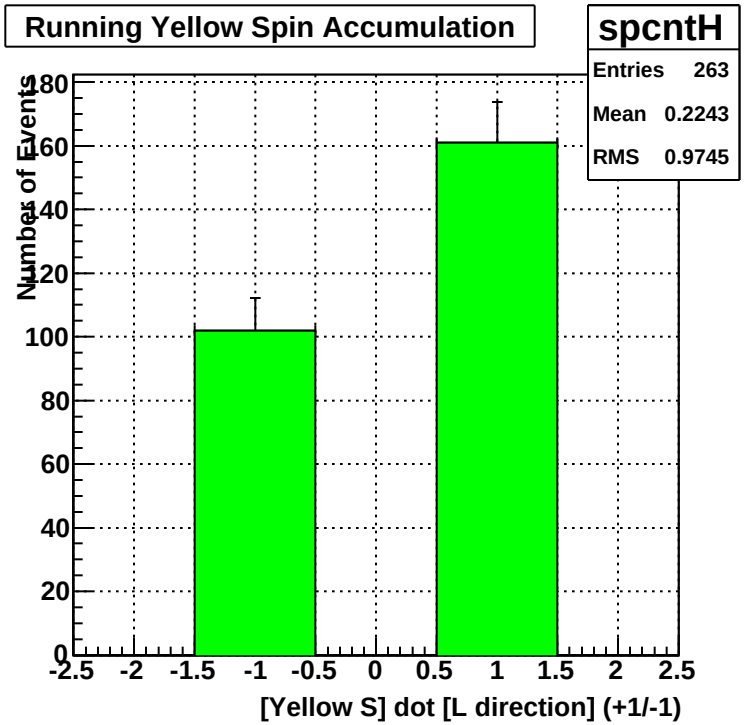
263) Rnum=7120021 EventN=907960 (3 Yu-N[+])

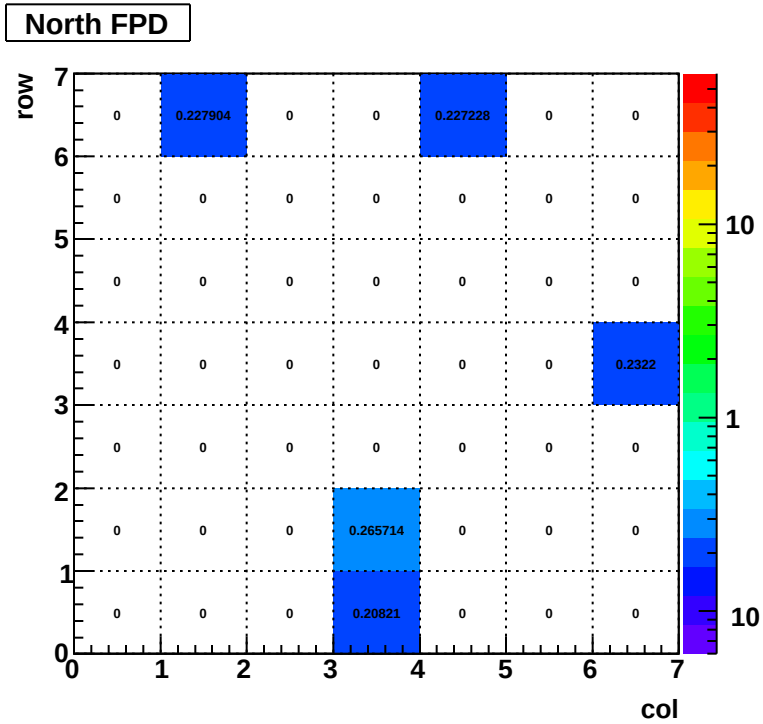
(1) Energy=31.803238 Y=-3.785363 Phi=-0.087375

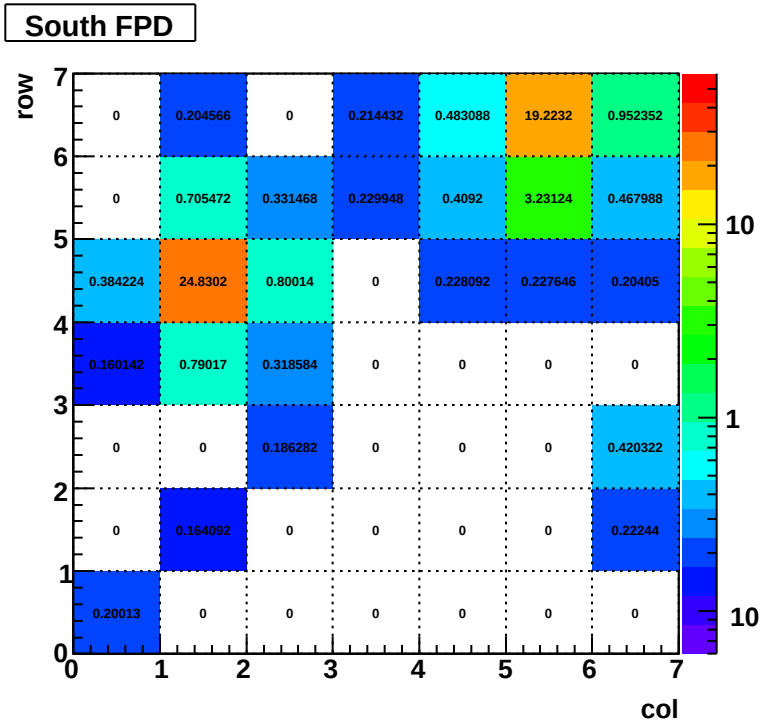
(2) Energy=24.980801 Y=-3.423279 Phi=-0.185257

M12=0.578 Y12=-3.611 Phi12=-0.139 E12=56.784

SumN(-) = 102 SumN(+)= 161 AN/.6=0.374







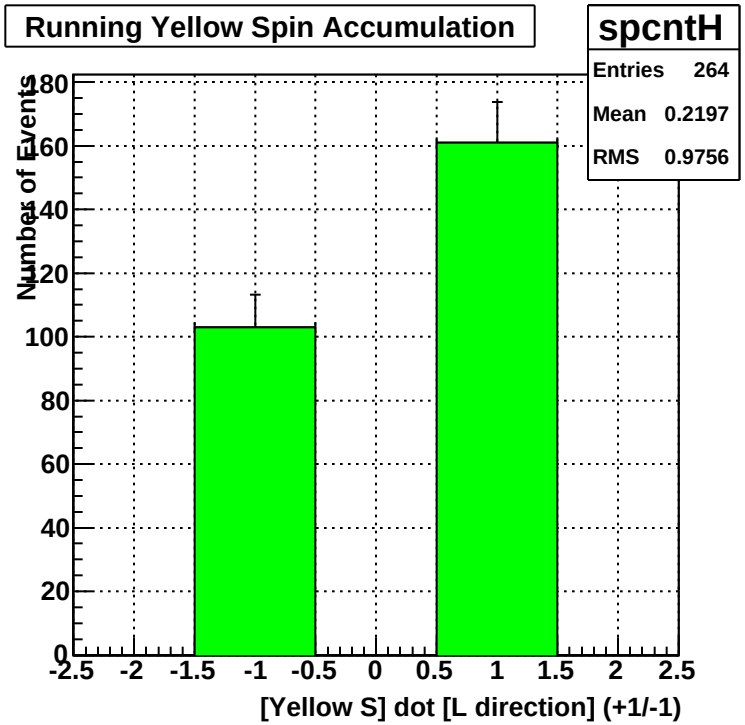
264) Rnum=7120023 EventN=601063 (0 Yd-N[-])

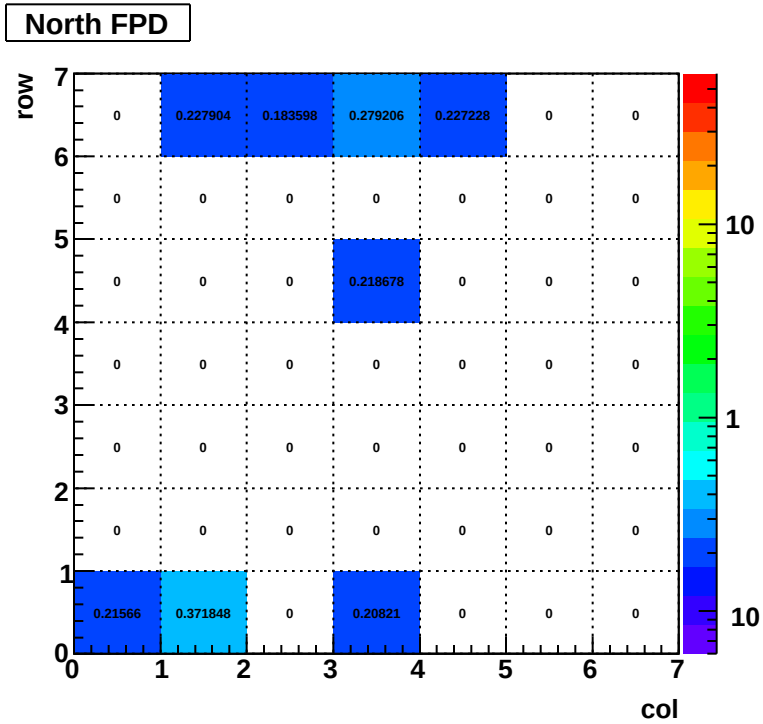
(1) Energy=39.062866 Y=-3.498233 Phi=-0.148316

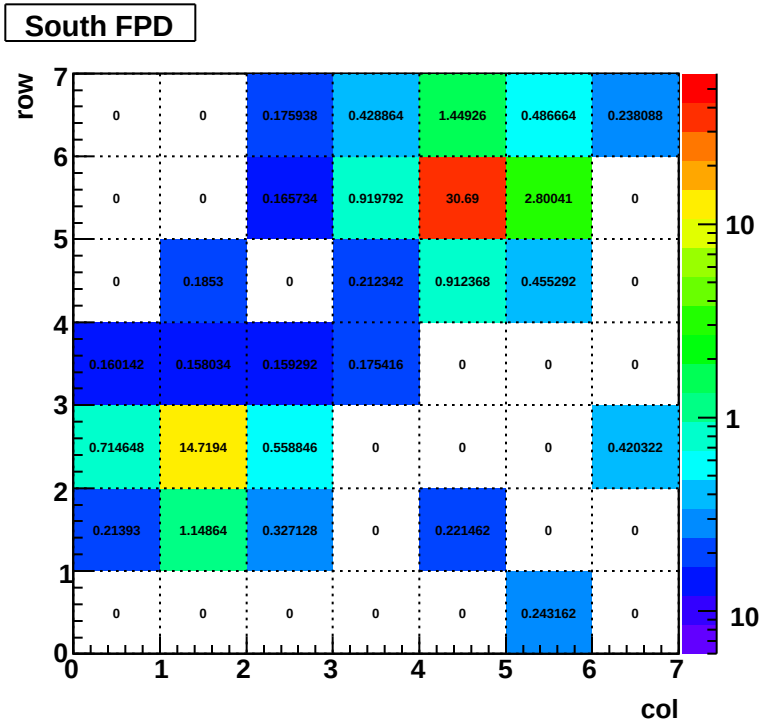
(2) Energy=19.927929 Y=-3.787828 Phi=0.136109

M12=0.592 Y12=-3.595 Phi12=-0.070 E12=58.991

SumN(-) = 103 SumN(+)= 161 AN/.6=0.366







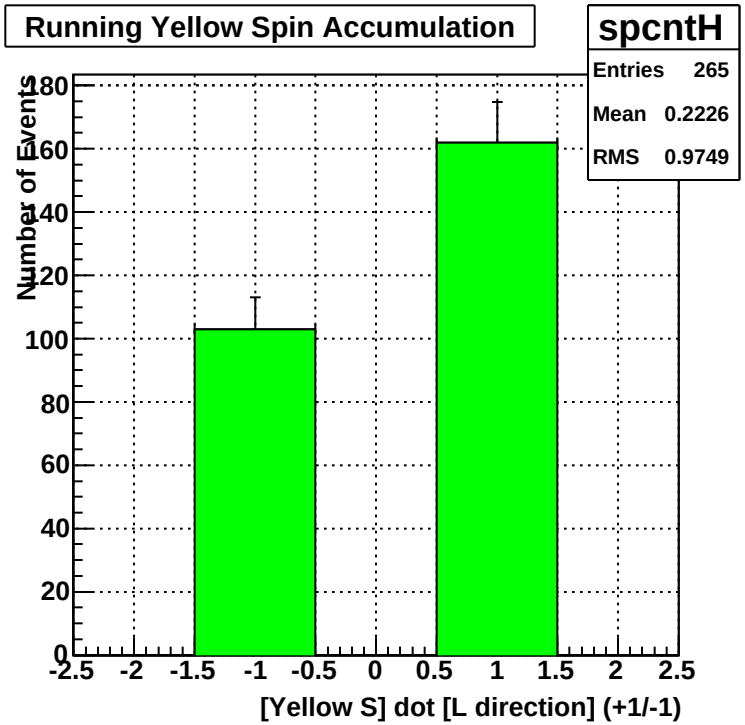
265) Rnum=7120026 EventN=409191 (1 Yu-N[+])

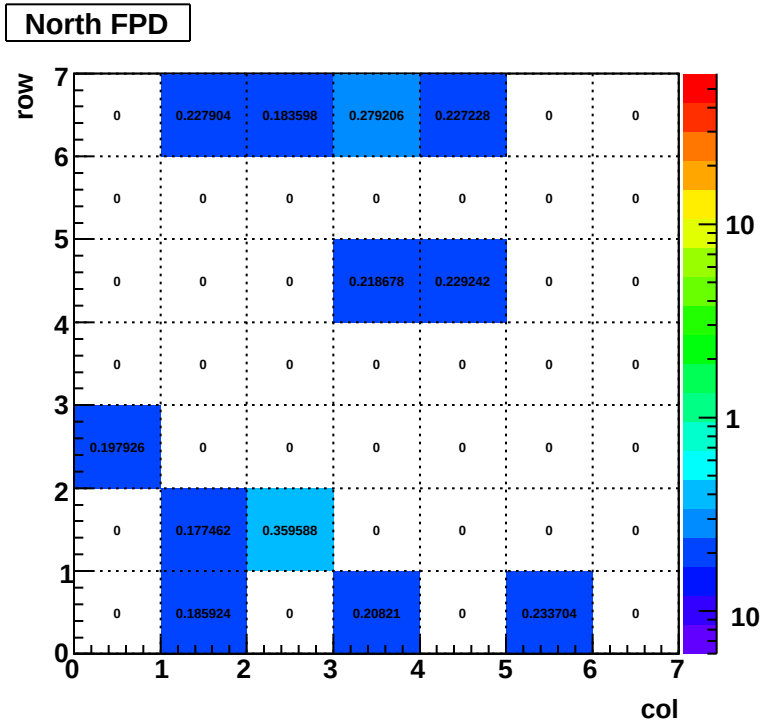
(1) Energy=25.815765 Y=-3.643734 Phi=-0.254144

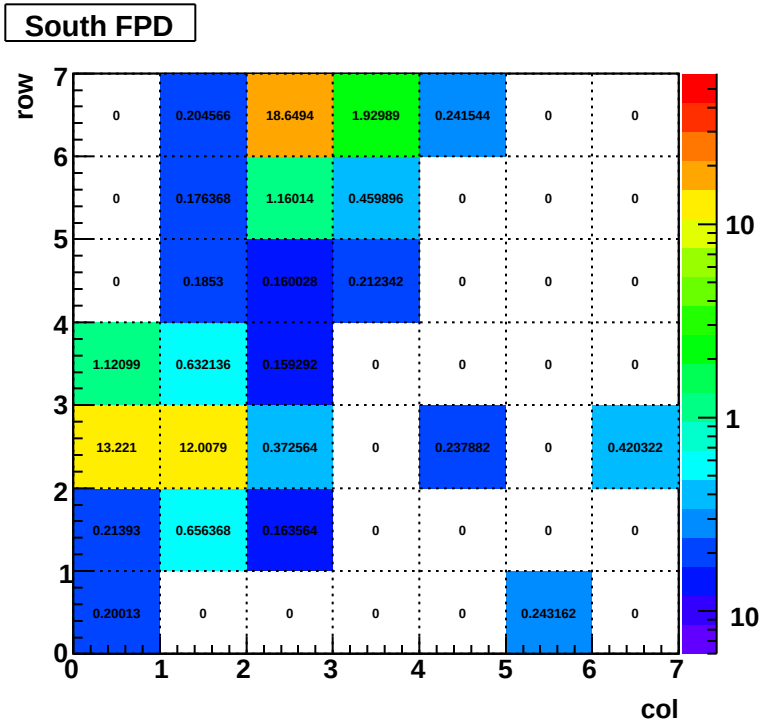
(2) Energy=31.278254 Y=-3.842218 Phi=0.116662

M12=0.564 Y12=-3.765 Phi12=-0.069 E12=57.094

SumN(-) = 103 SumN(+)= 162 AN/.6=0.371







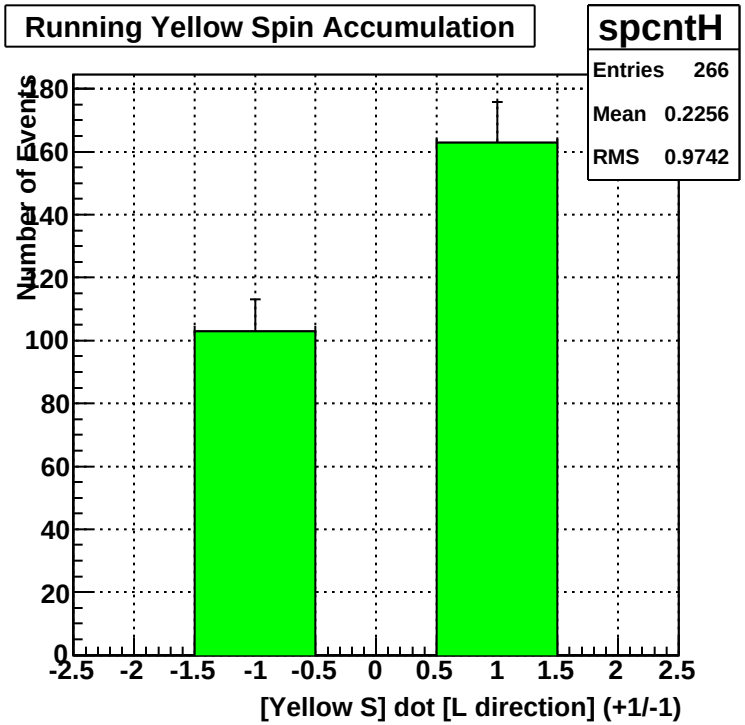
266) Rnum=7120026 EventN=1803307 (0 Yd-S[+])

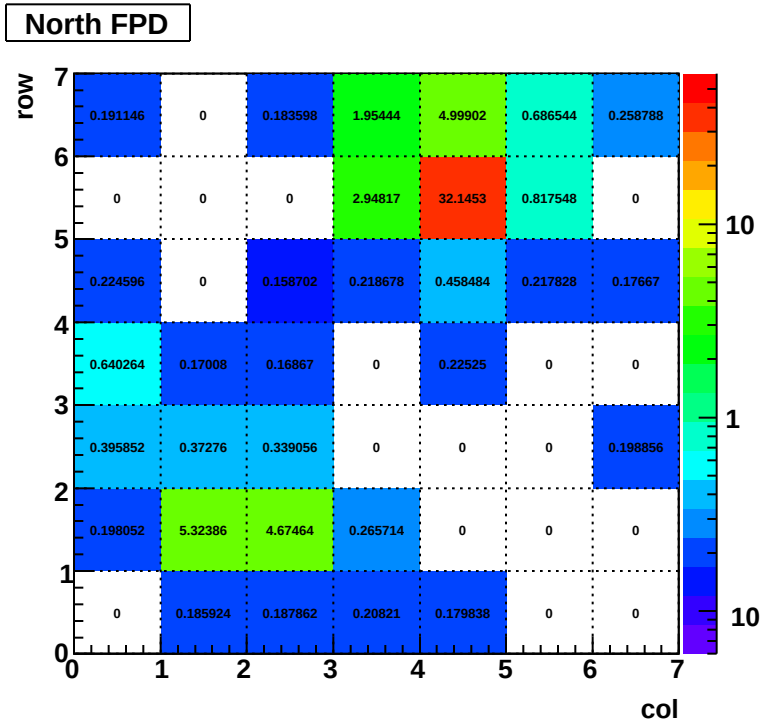
(1) Energy=46.848396 Y=-3.522224 Phi=-2.969737

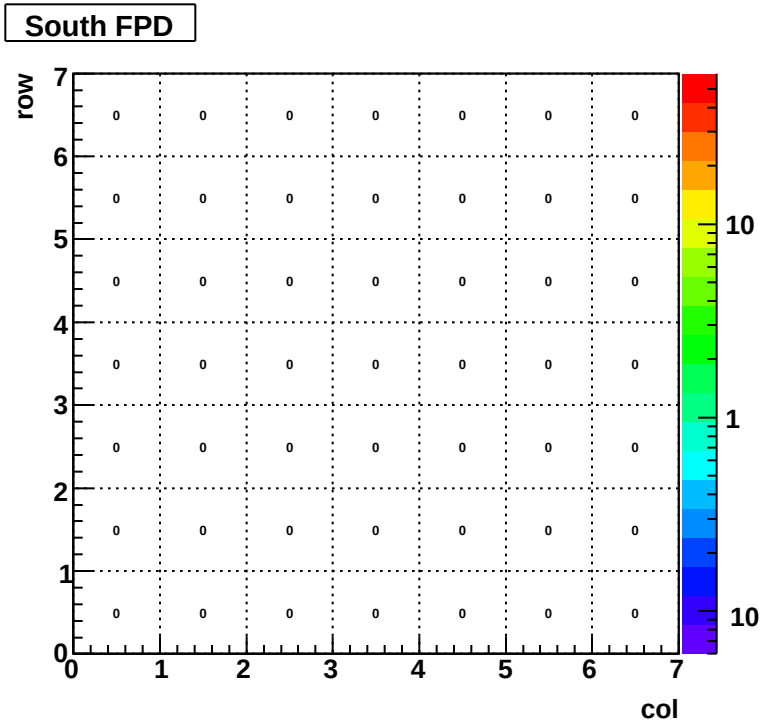
(2) Energy=12.177332 Y=-3.723677 Phi=2.938045

M12=0.541 Y12=-3.571 Phi12=-3.035 E12=59.026

SumN(-) = 103 SumN(+)= 163 AN/.6=0.376







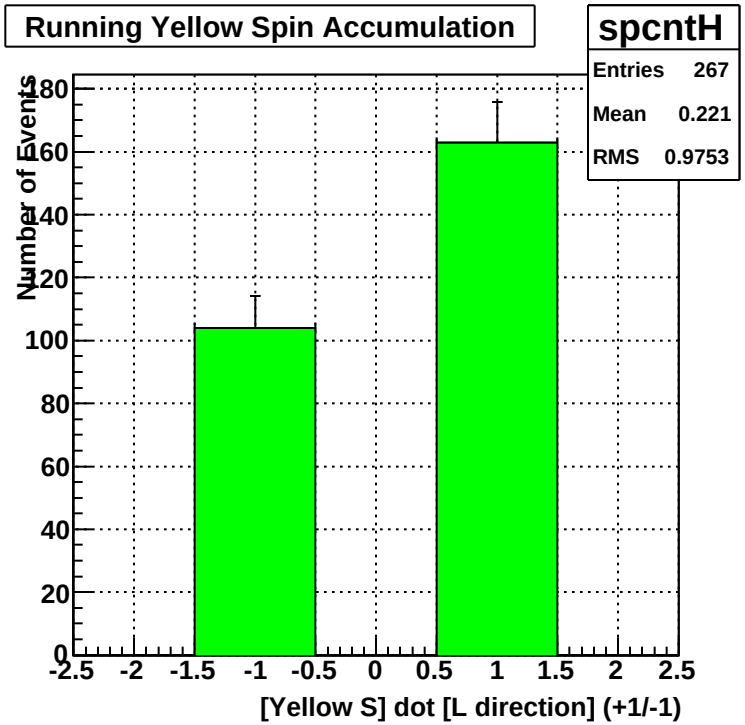
267) Rnum=7120032 EventN=104184 (0 Yd-N[-])

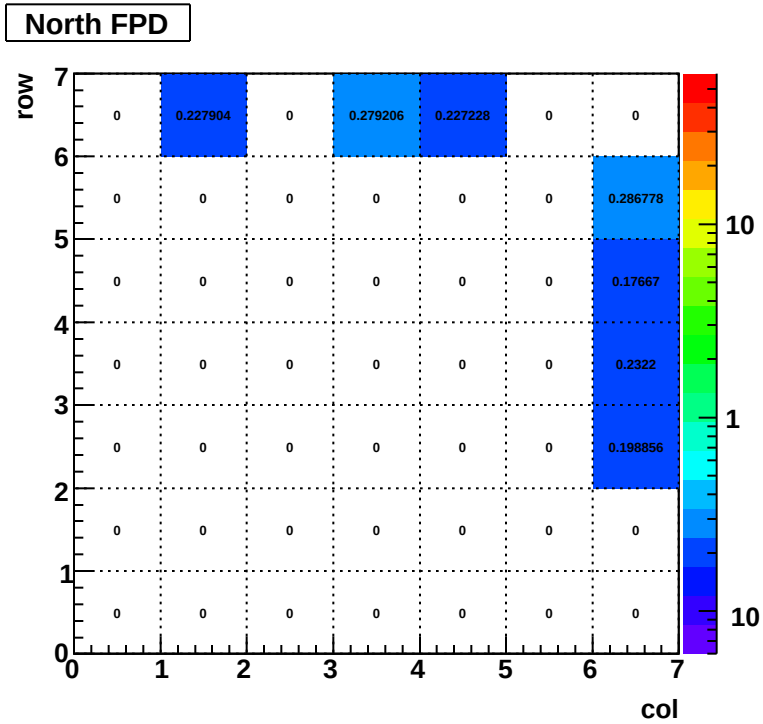
(1) Energy=33.150810 Y=-3.485226 Phi=0.092519

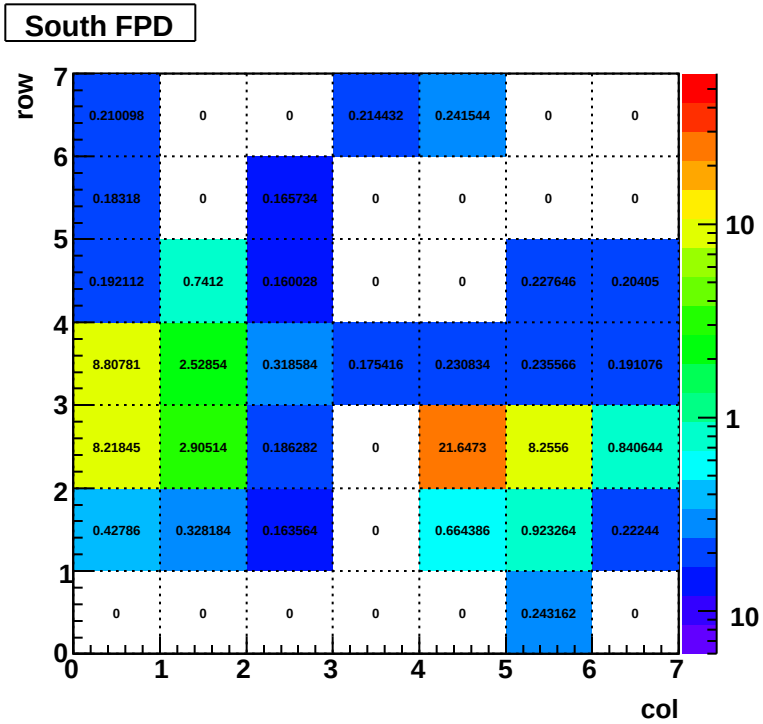
(2) Energy=25.860523 Y=-3.859138 Phi=0.072087

M12=0.560 Y12=-3.632 Phi12=0.085 E12=59.011

SumN(-) = 104 SumN(+)= 163 AN/.6=0.368







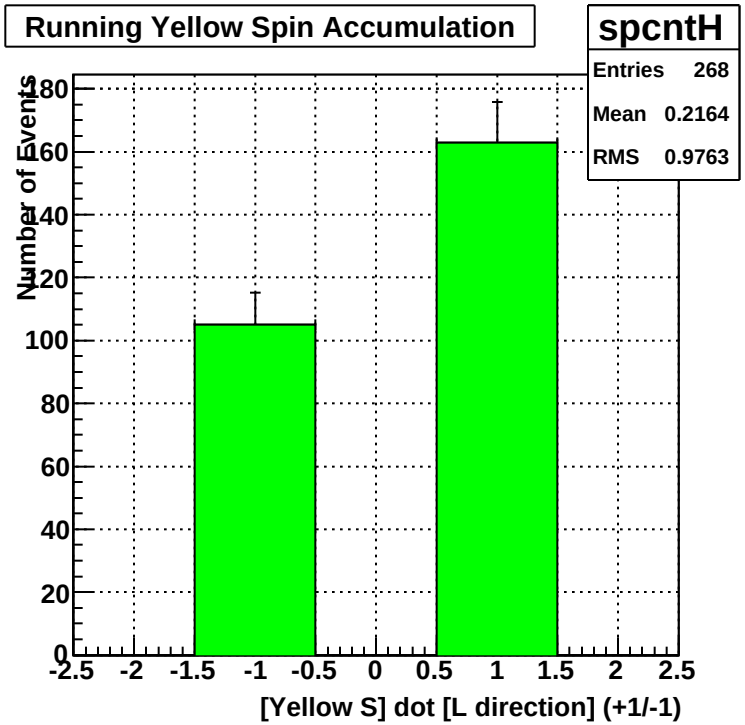
268) Rnum=7120032 EventN=107874 (2 Yd-N[-])

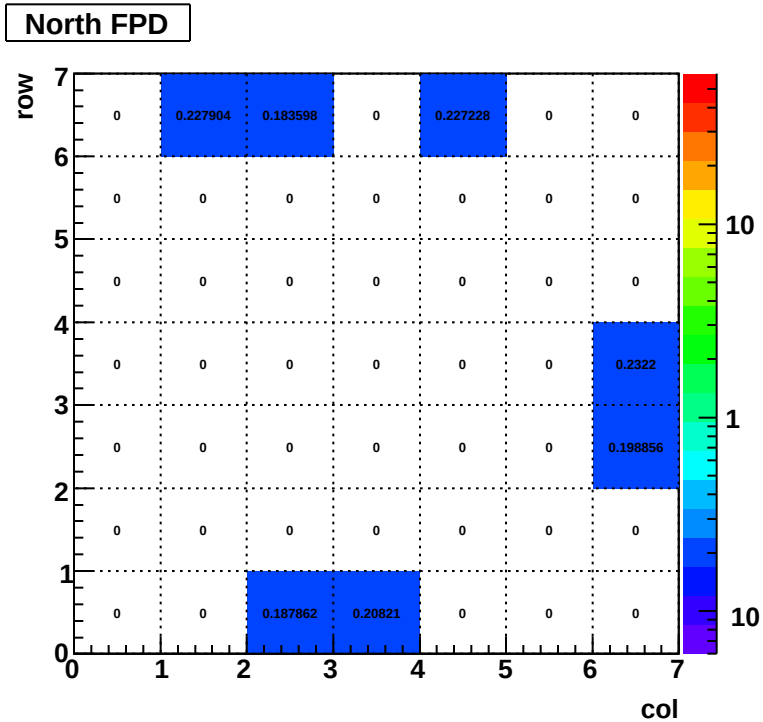
(1) Energy=37.796307 Y=-3.683891 Phi=-0.125580

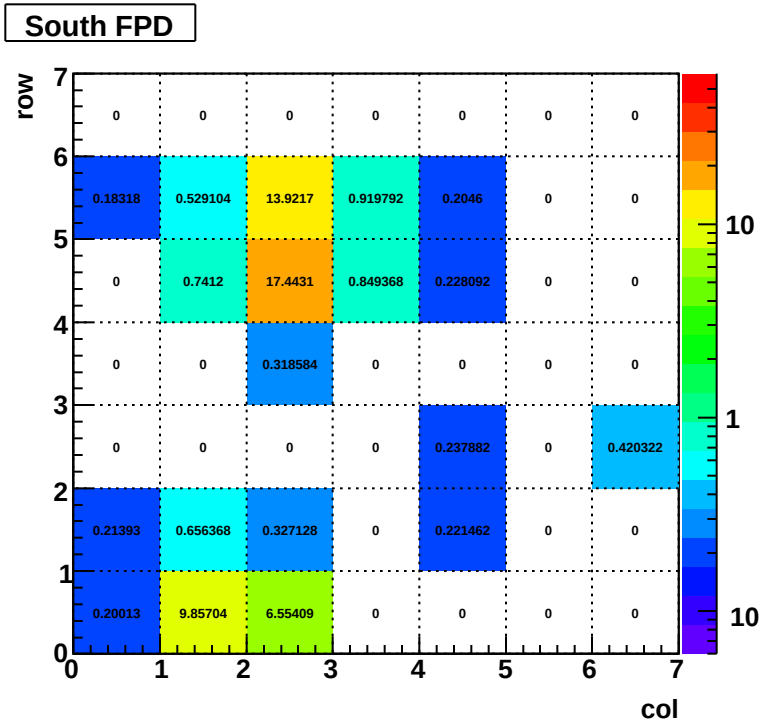
(2) Energy=20.643333 Y=-3.699221 Phi=0.306053

M12=0.596 Y12=-3.711 Phi12=0.024 E12=58.440

SumN(-) = 105 SumN(+)= 163 AN/.6=0.361







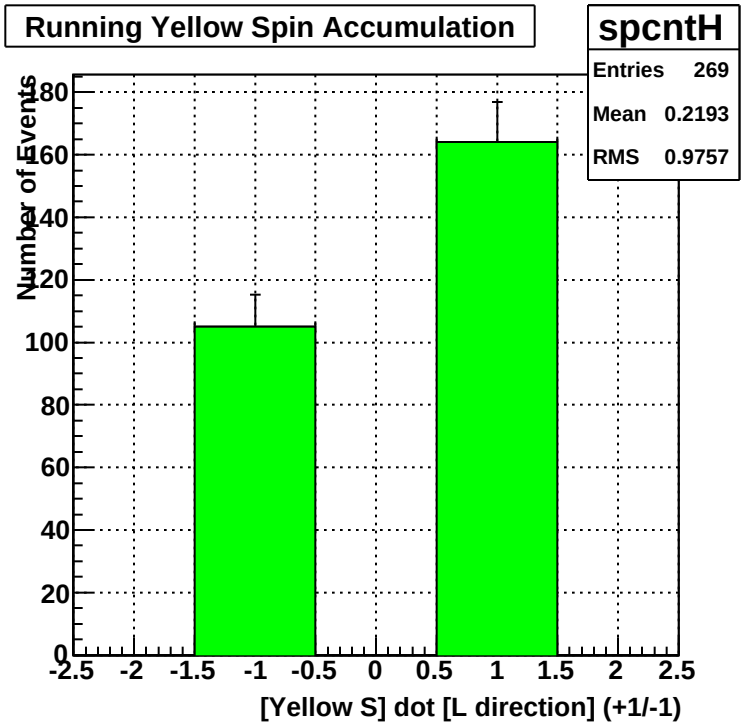
269) Rnum=7120034 EventN=1206963 (2 Yd-S[+])

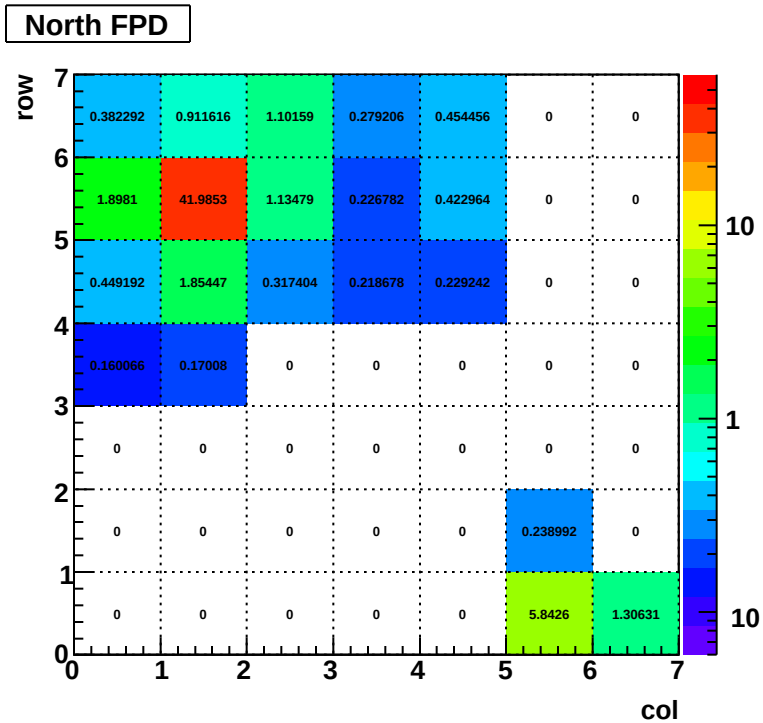
(1) Energy=49.198269 Y=-3.782747 Phi=-2.955444

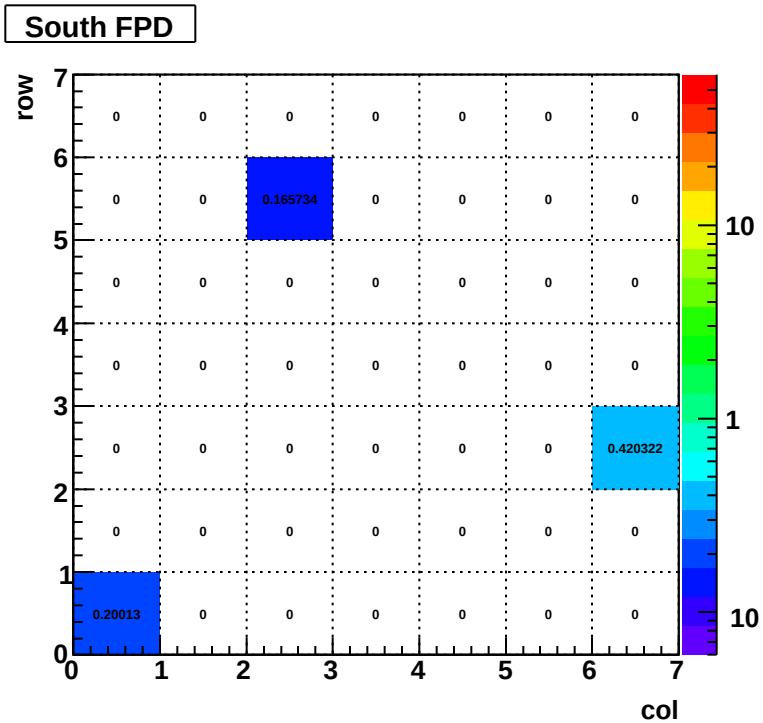
(2) Energy=7.827865 Y=-3.394032 Phi=2.917873

M12=0.612 Y12=-3.732 Phi12=-3.032 E12=57.026

SumN(-) = 105 SumN(+)= 164 AN/.6=0.366







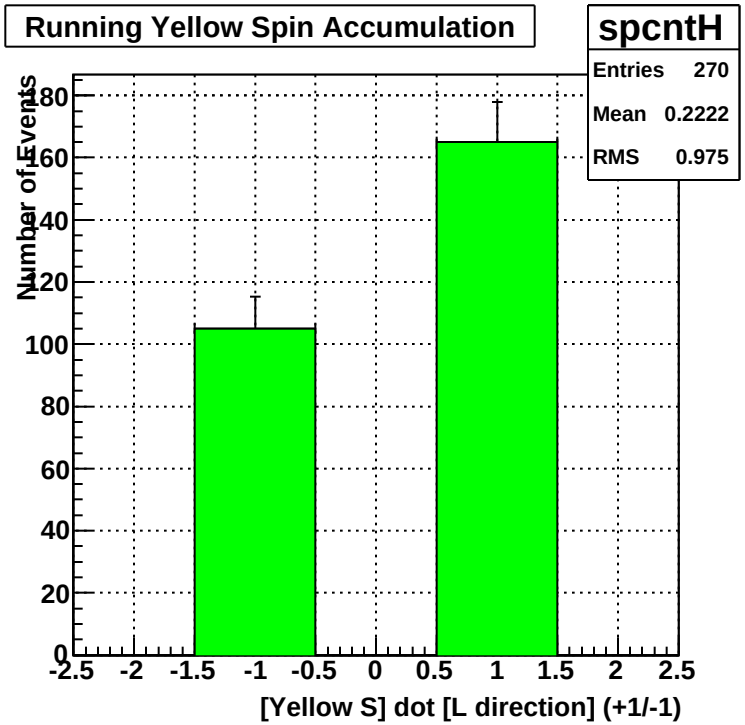
270) Rnum=7120049 EventN=6904377 (3 Yu-N[+])

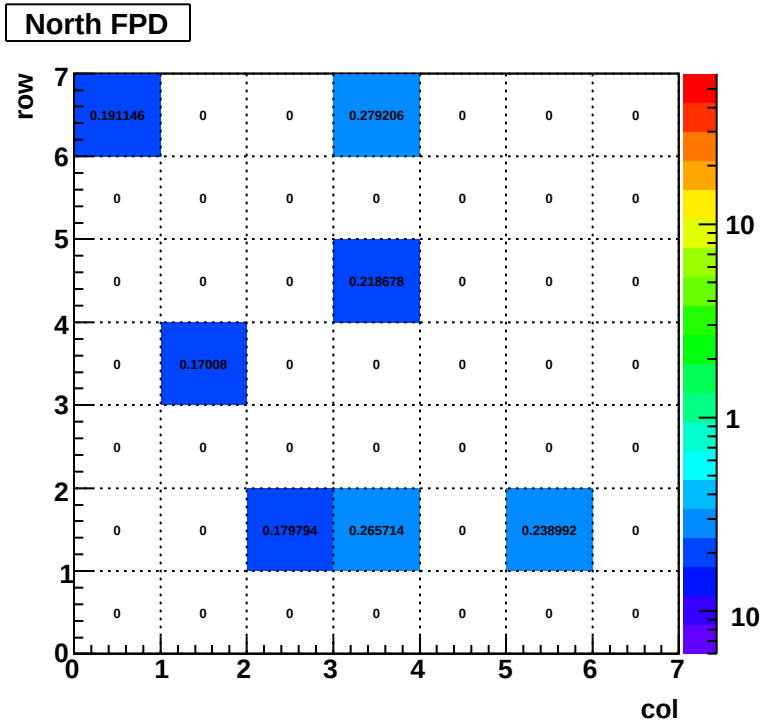
(1) Energy=31.199663 Y=-3.794182 Phi=0.238737

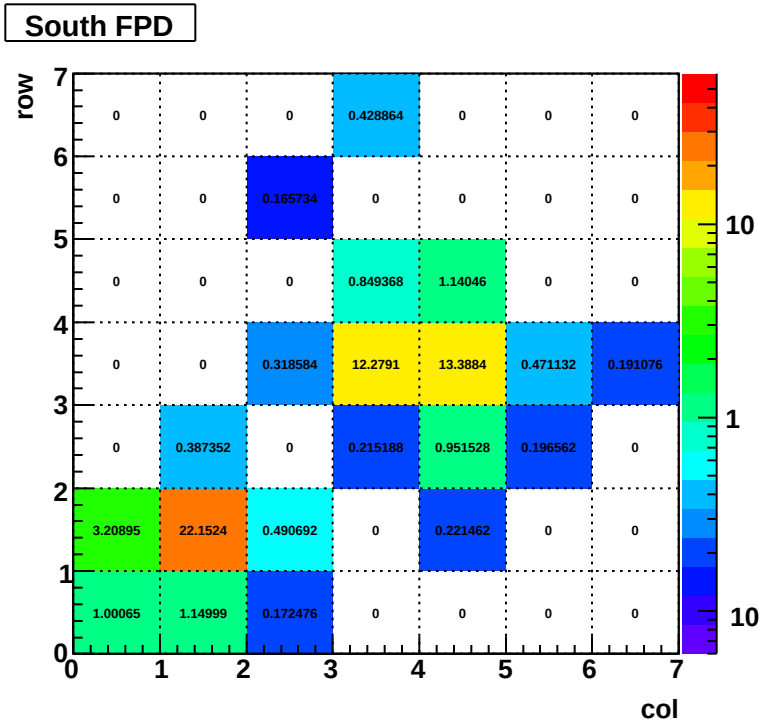
(2) Energy=28.797243 Y=-3.562358 Phi=0.003825

M12=0.500 Y12=-3.683 Phi12=0.112 E12=59.997

SumN(-) = 105 SumN(+)= 165 AN/.6=0.370







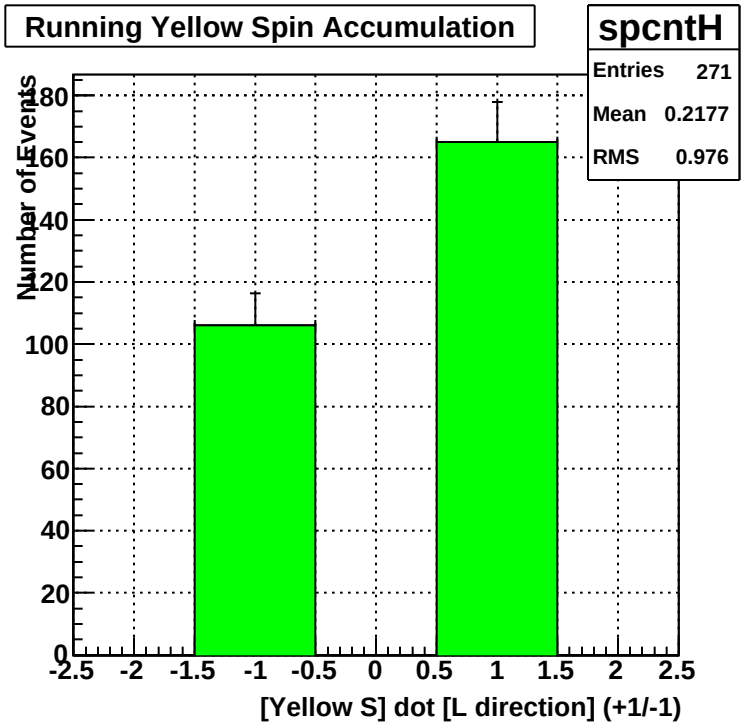
271) Rnum=7120049 EventN=2003128 (1 Yu-S[-])

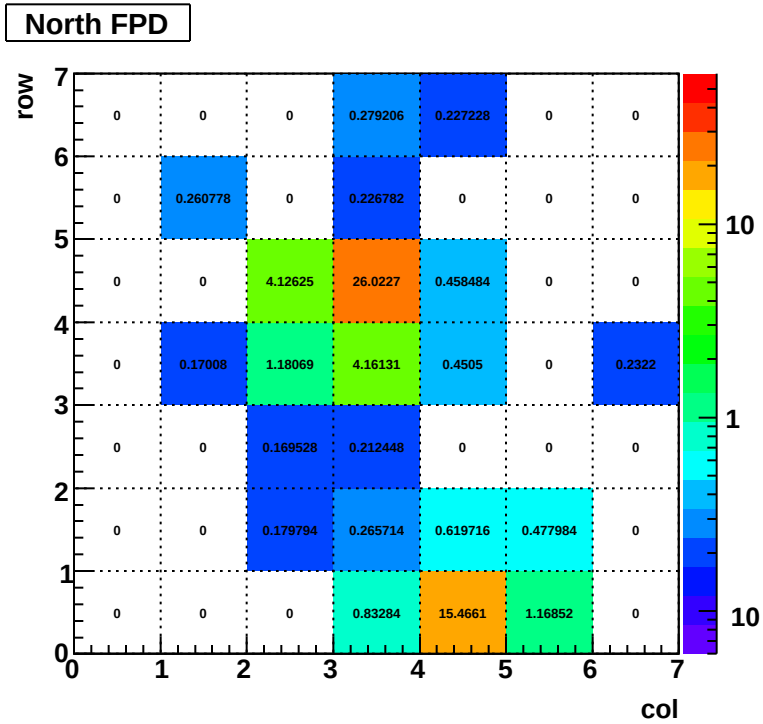
(1) Energy=37.982544 Y=-3.629672 Phi=-3.091401

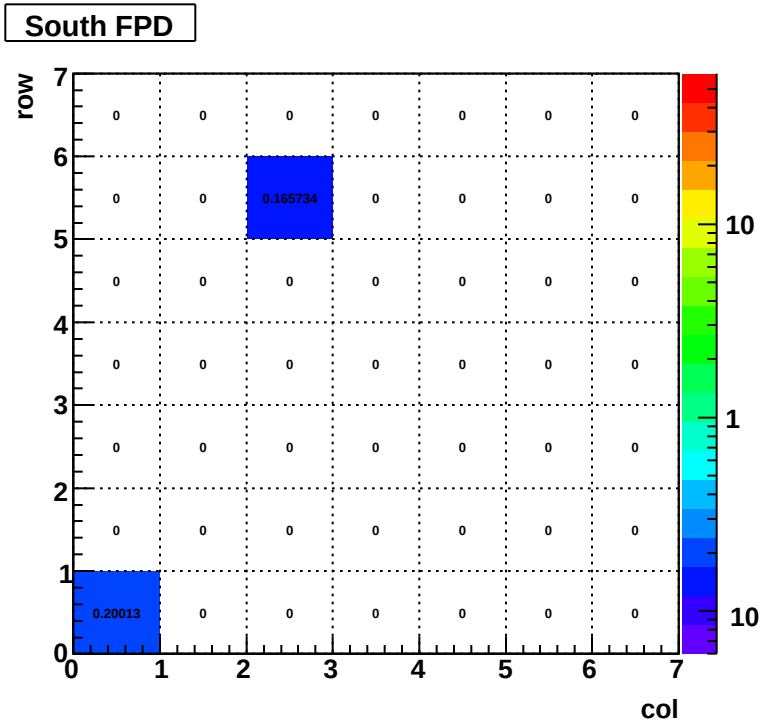
(2) Energy=20.172010 Y=-3.486168 Phi=2.896872

M12=0.516 Y12=-3.588 Phi12=3.080 E12=58.155

SumN(-) = 106 SumN(+)= 165 AN/.6=0.363







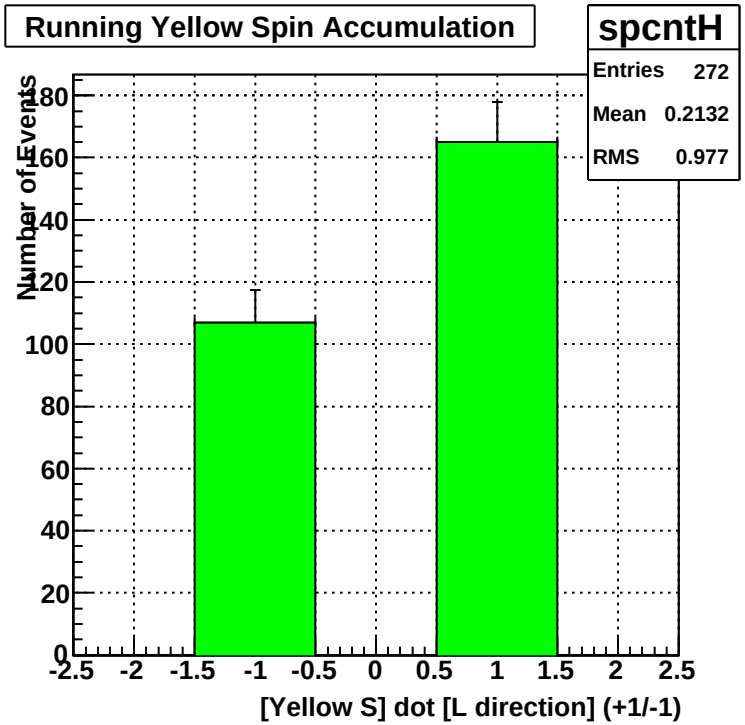
272) Rnum=7120049 EventN=2505516 (2 Yd-N[-])

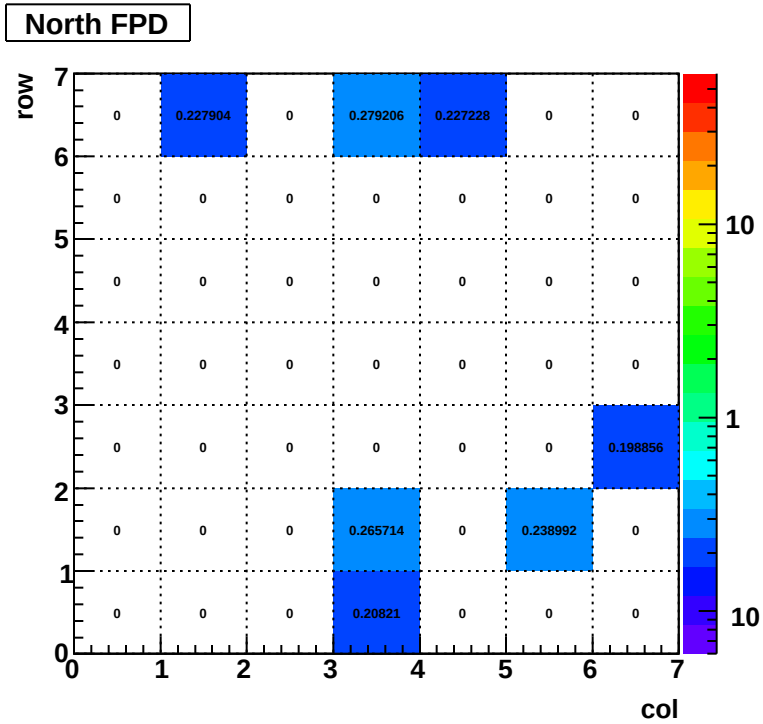
(1) Energy=30.926992 Y=-3.863081 Phi=-0.100838

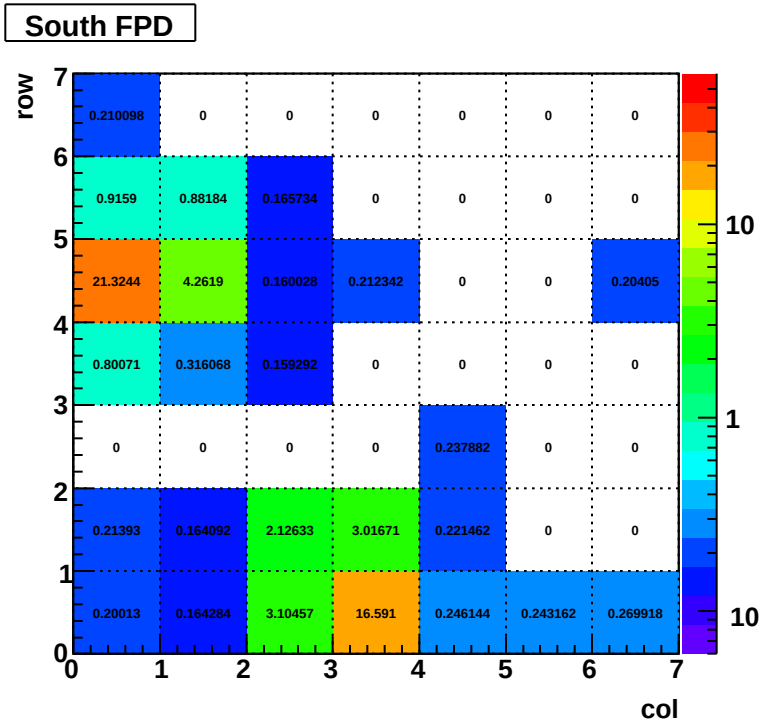
(2) Energy=24.522305 Y=-3.605991 Phi=0.245491

M12=0.566 Y12=-3.756 Phi12=0.074 E12=55.449

SumN(-) = 107 SumN(+)= 165 AN/.6=0.355







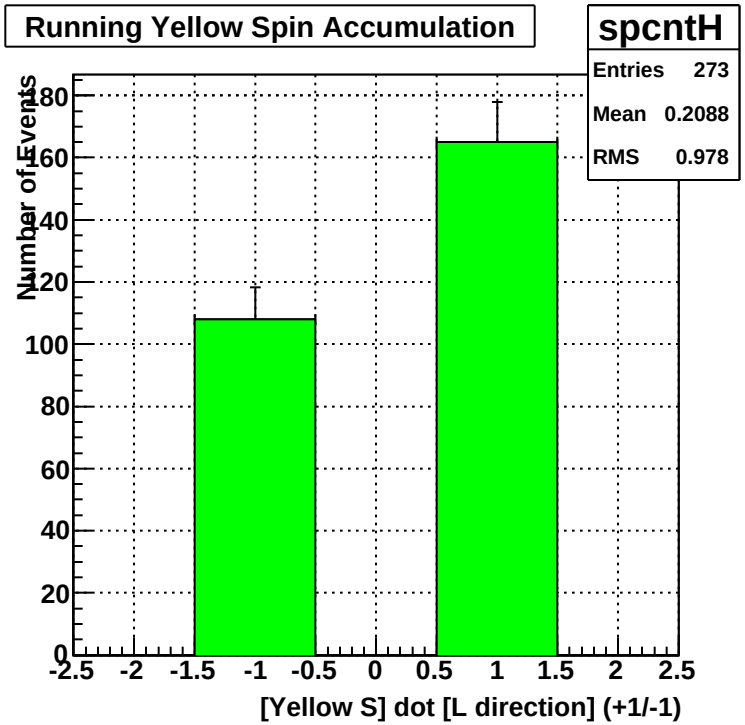
273) Rnum=7120053 EventN=1007594 (0 Yd-N[-])

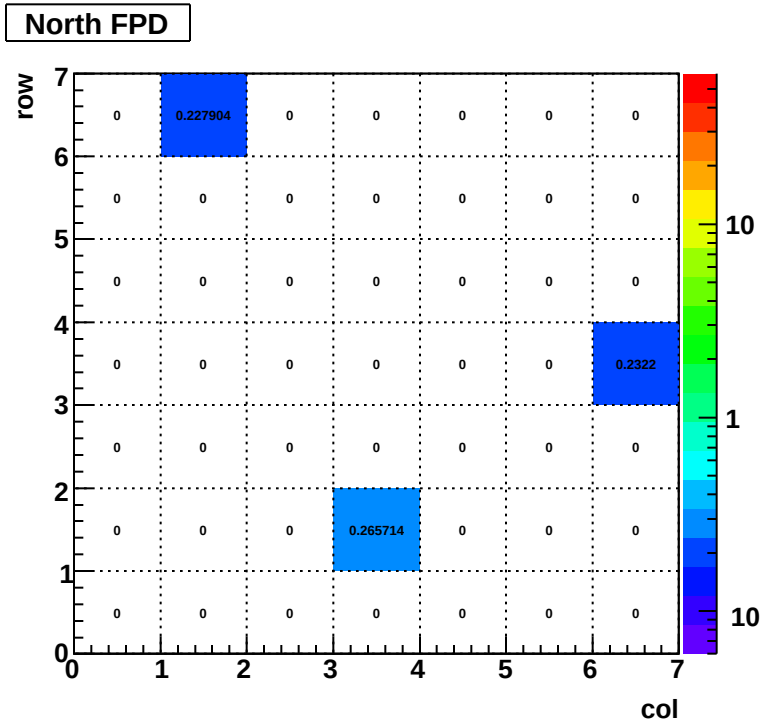
(1) Energy=42.783329 Y=-3.818936 Phi=0.124066

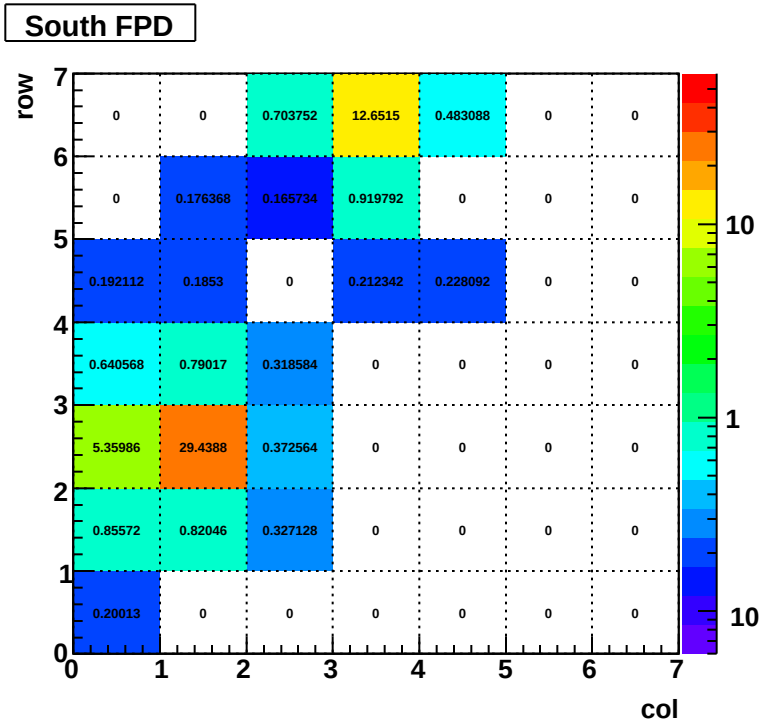
(2) Energy=15.962418 Y=-3.583409 Phi=-0.232648

M12=0.550 Y12=-3.763 Phi12=0.010 E12=58.746

SumN(-) = 108 SumN(+)= 165 AN/.6=0.348







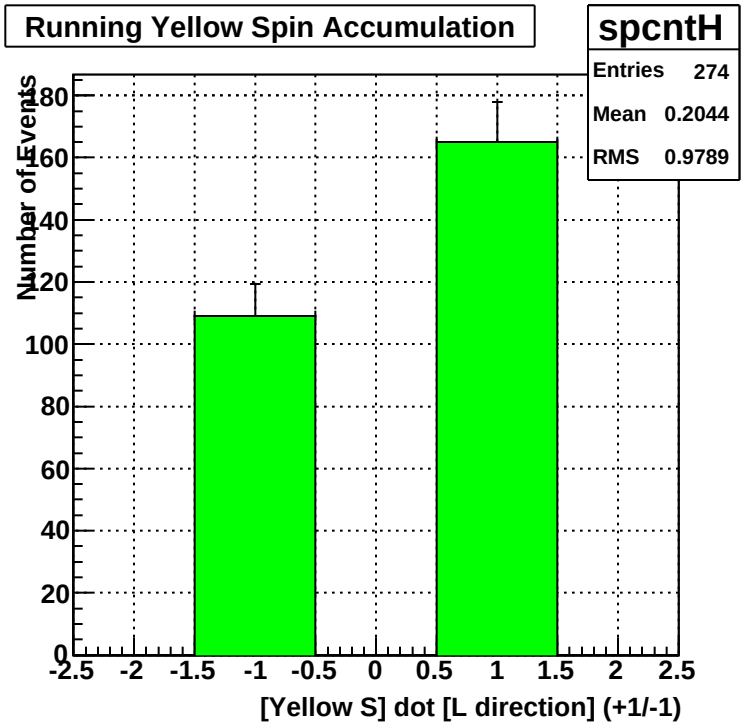
274) Rnum=7120053 EventN=1109883 (0 Yd-N[-])

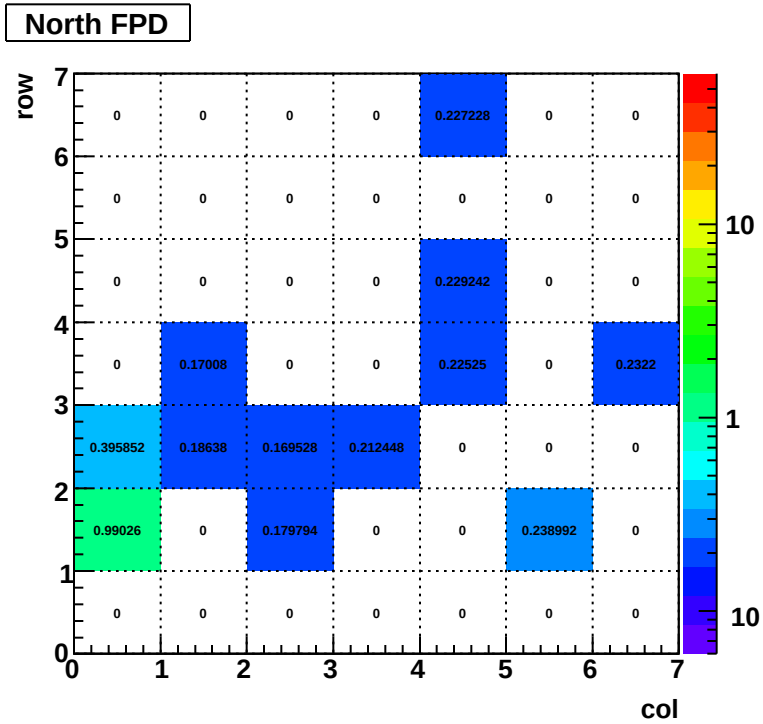
(1) Energy=32.511490 Y=-3.880890 Phi=0.010399

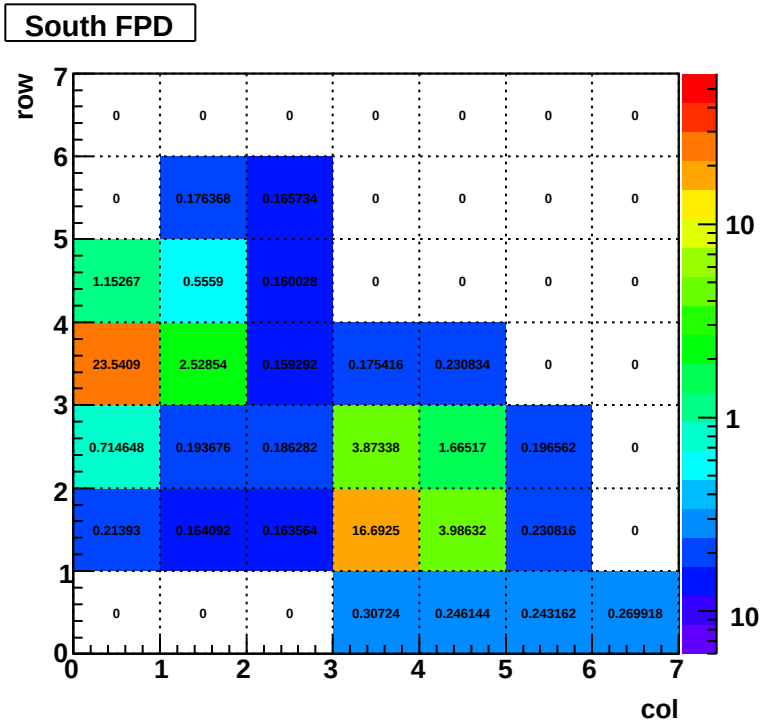
(2) Energy=26.887295 Y=-3.562662 Phi=0.149944

M12=0.499 Y12=-3.727 Phi12=0.085 E12=59.399

SumN(-) = 109 SumN(+)= 165 AN/.6=0.341







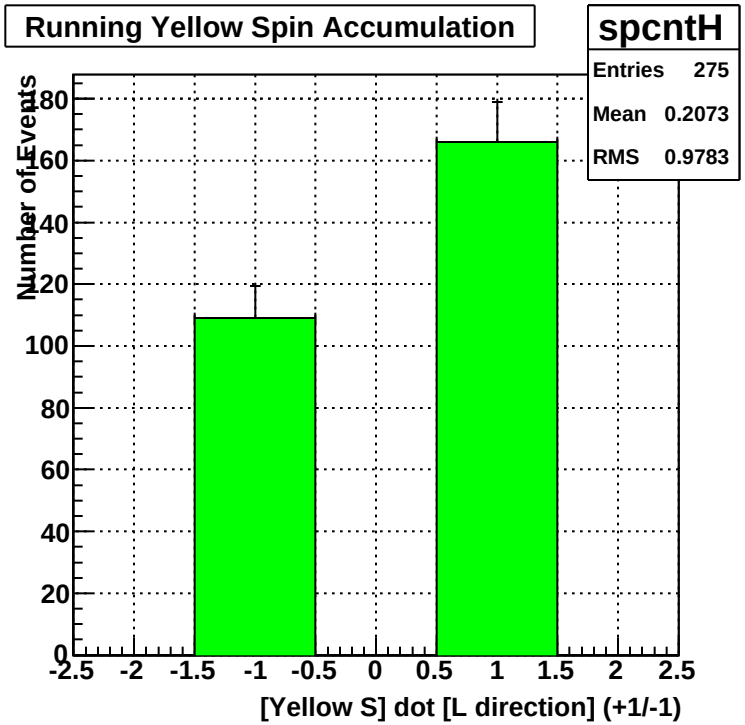
275) Rnum=7120054 EventN=203631 (3 Yu-N[+])

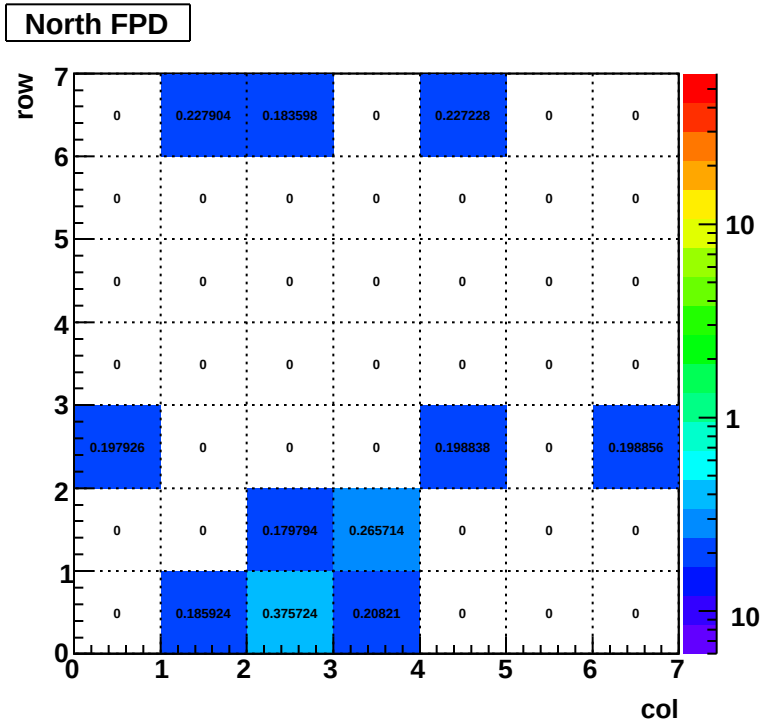
(1) Energy=33.037910 Y=-3.694602 Phi=0.011127

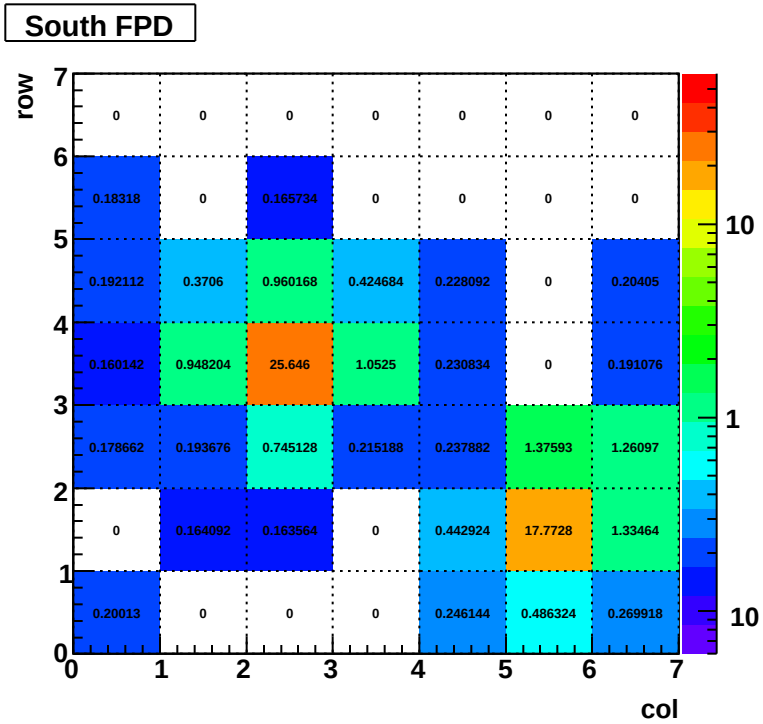
(2) Energy=22.490950 Y=-3.418995 Phi=0.142067

M12=0.475 Y12=-3.576 Phi12=0.073 E12=55.529

SumN(-) = 109 SumN(+)= 166 AN/.6=0.345







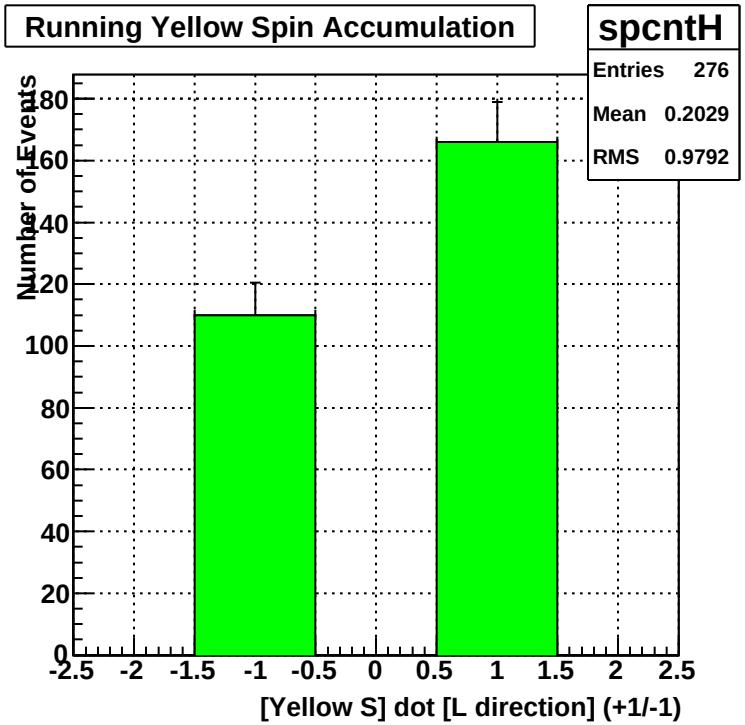
276) Rnum=7120082 EventN=204034 (0 Yd-N[-])

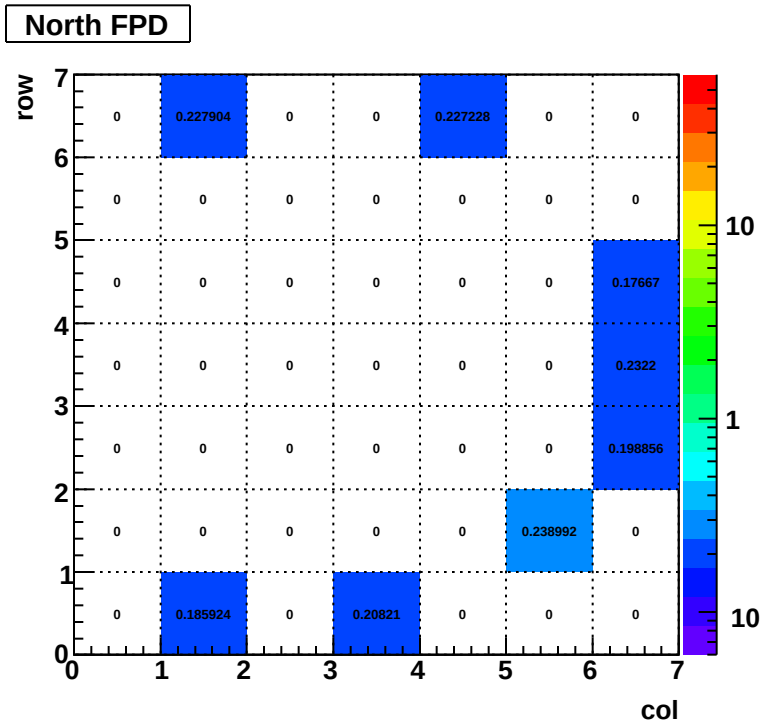
(1) Energy=47.083885 Y=-3.467938 Phi=0.083238

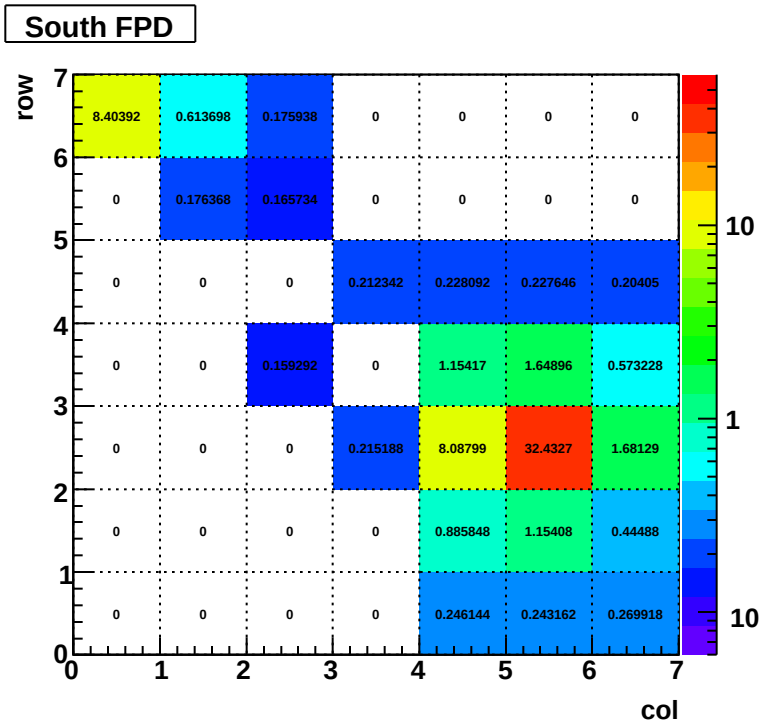
(2) Energy=10.589573 Y=-3.840384 Phi=-0.312685

M12=0.628 Y12=-3.536 Phi12=0.031 E12=57.673

SumN(-) = 110 SumN(+)= 166 AN/.6=0.338







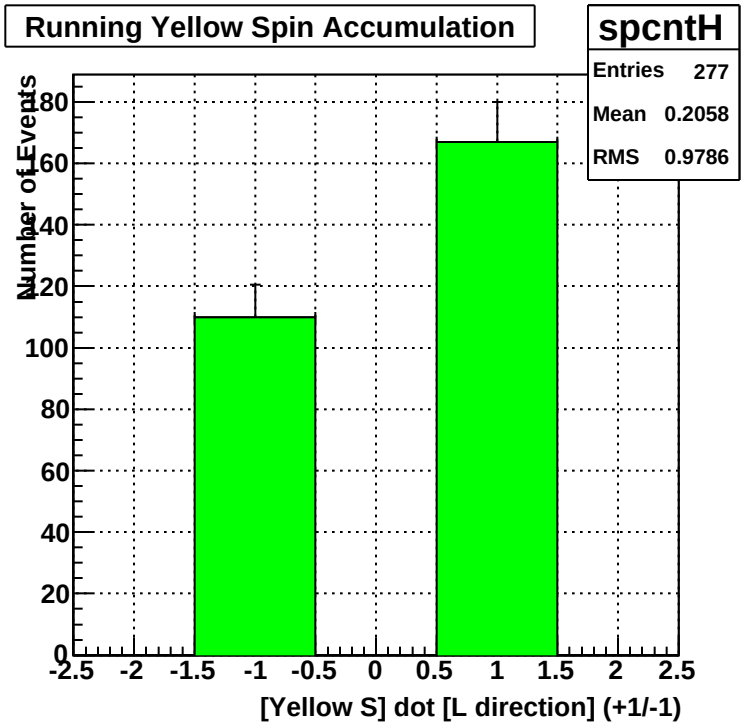
277) Rnum=7120082 EventN=9000443 (1 Yu-N[+])

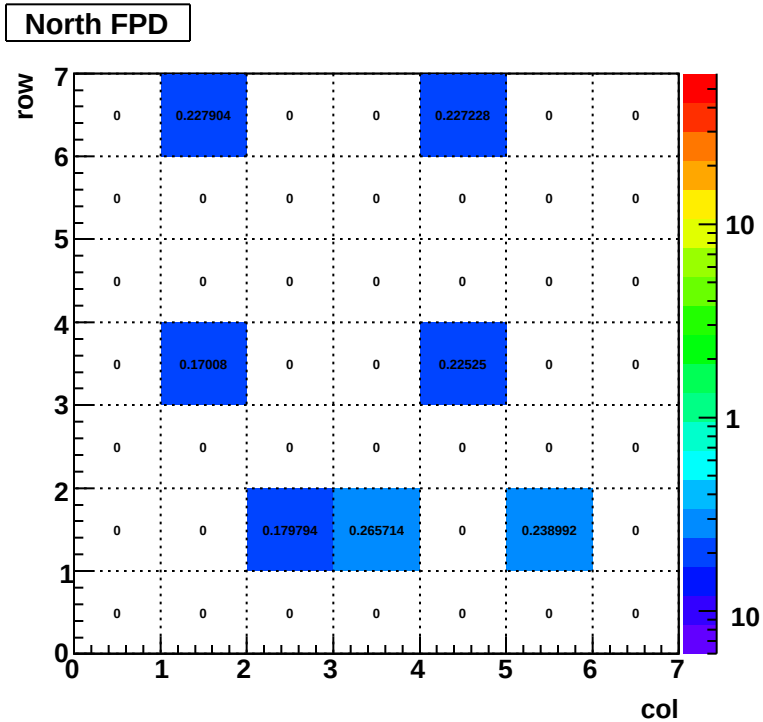
(1) Energy=27.088301 Y=-3.653937 Phi=0.201041

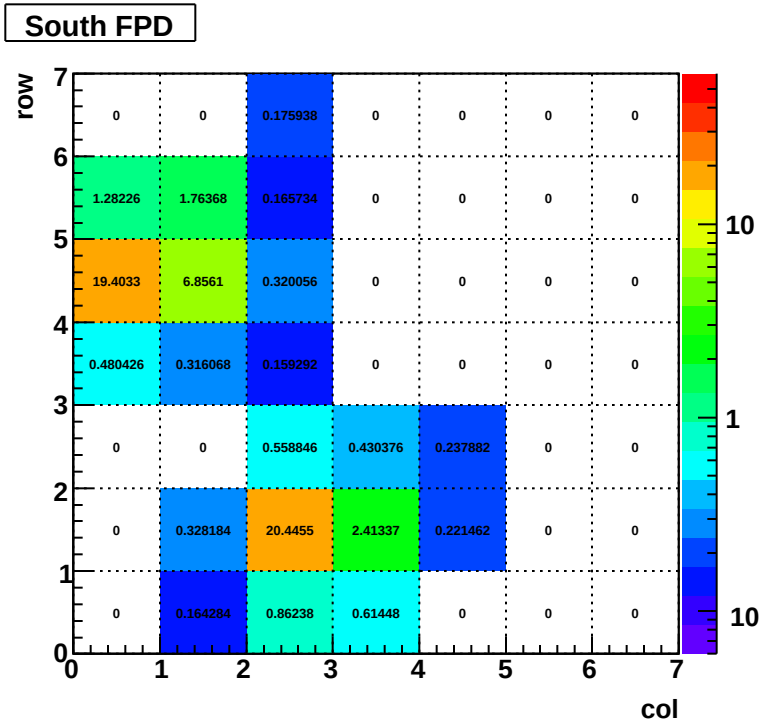
(2) Energy=32.406239 Y=-3.852245 Phi=-0.112334

M12=0.514 Y12=-3.769 Phi12=0.046 E12=59.495

SumN(-) = 110 SumN(+)= 167 AN/.6=0.343







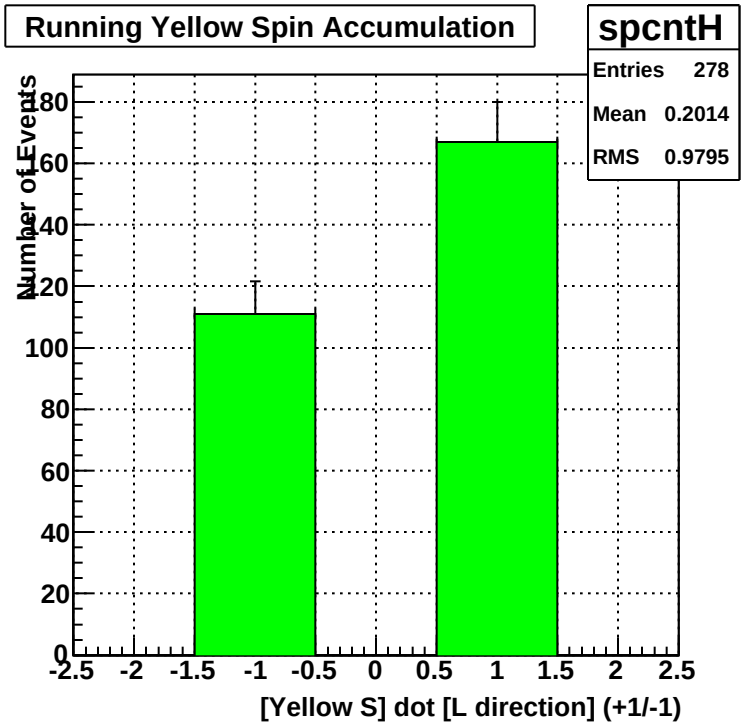
278) Rnum=7120082 EventN=1206655 (3 Yu-S[-])

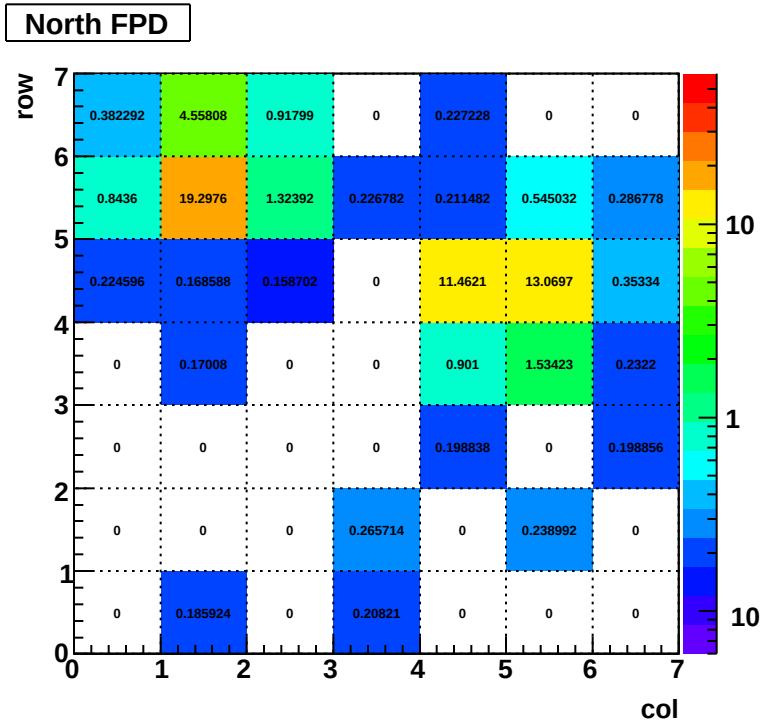
(1) Energy=26.977201 Y=-3.755760 Phi=-2.917260

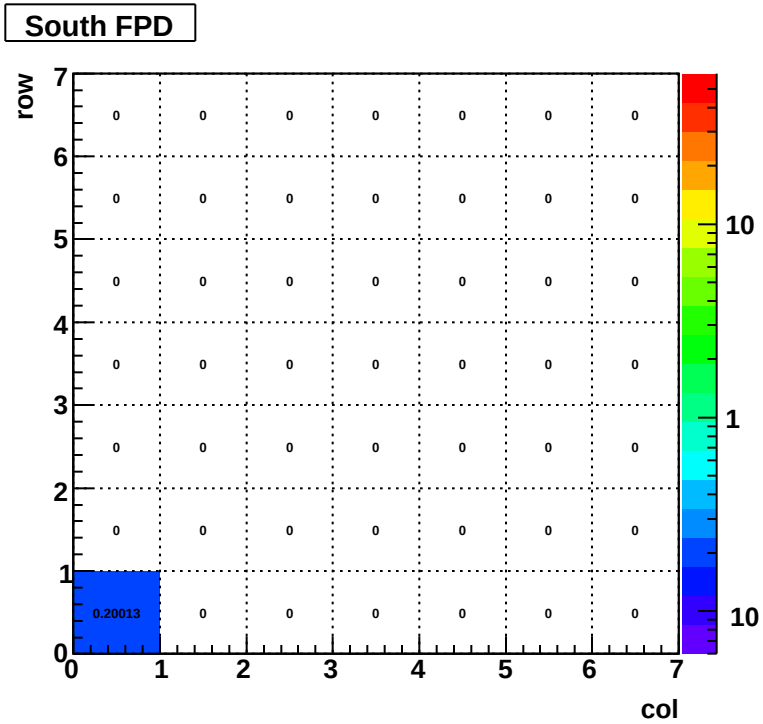
(2) Energy=29.029808 Y=-3.480237 Phi=-3.088234

M12=0.488 Y12=-3.607 Phi12=-3.018 E12=56.007

SumN(-) = 111 SumN(+)= 167 AN/.6=0.336







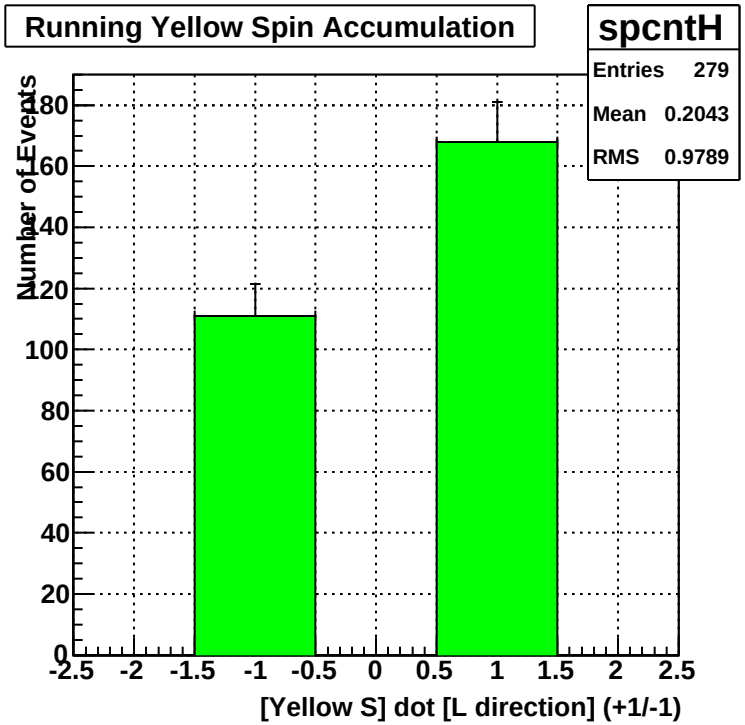
279) Rnum=7120101 EventN=404022 (0 Yd-S[+])

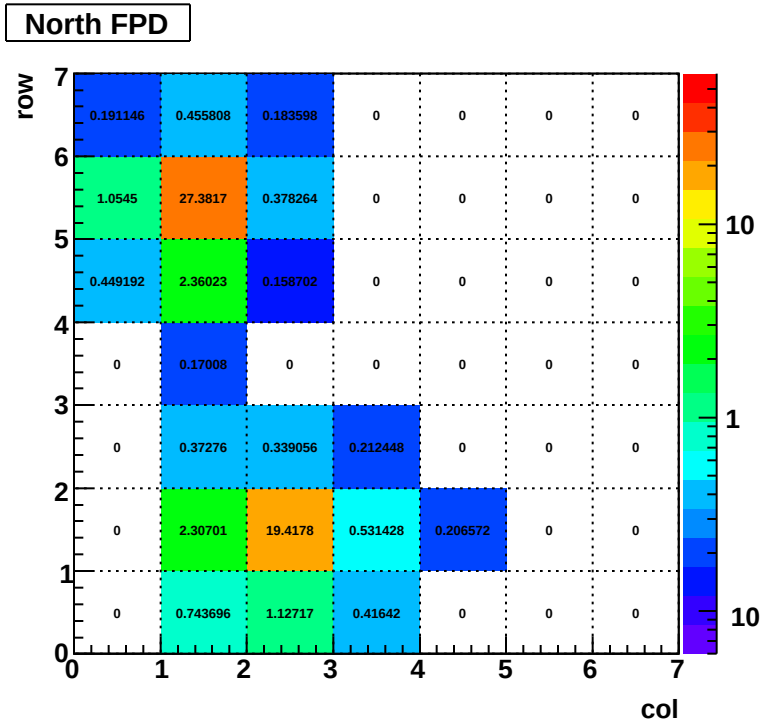
(1) Energy=32.960175 Y=-3.788222 Phi=-2.968661

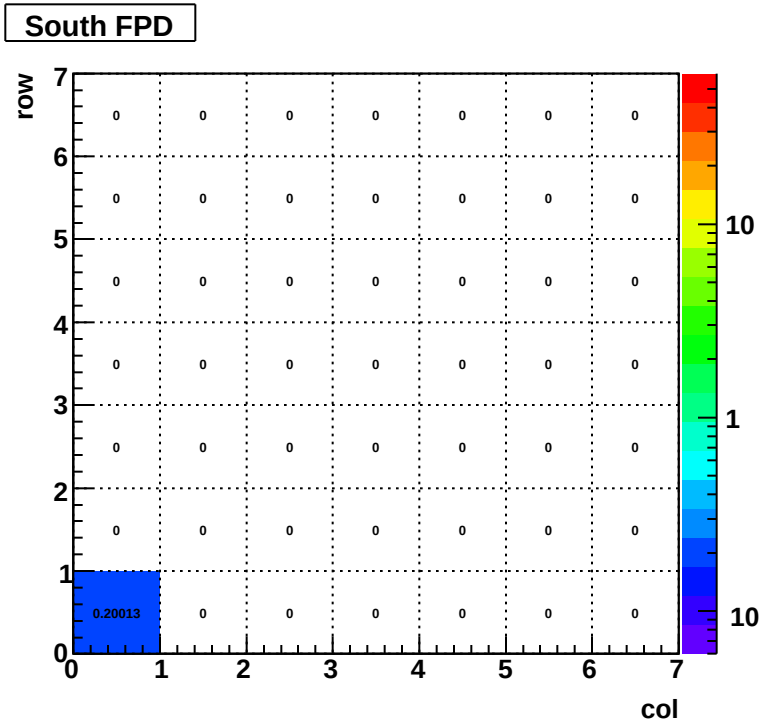
(2) Energy=26.777685 Y=-3.693757 Phi=2.924924

M12=0.562 Y12=-3.764 Phi12=3.131 E12=59.738

SumN(-) = 111 SumN(+)= 168 AN/.6=0.341







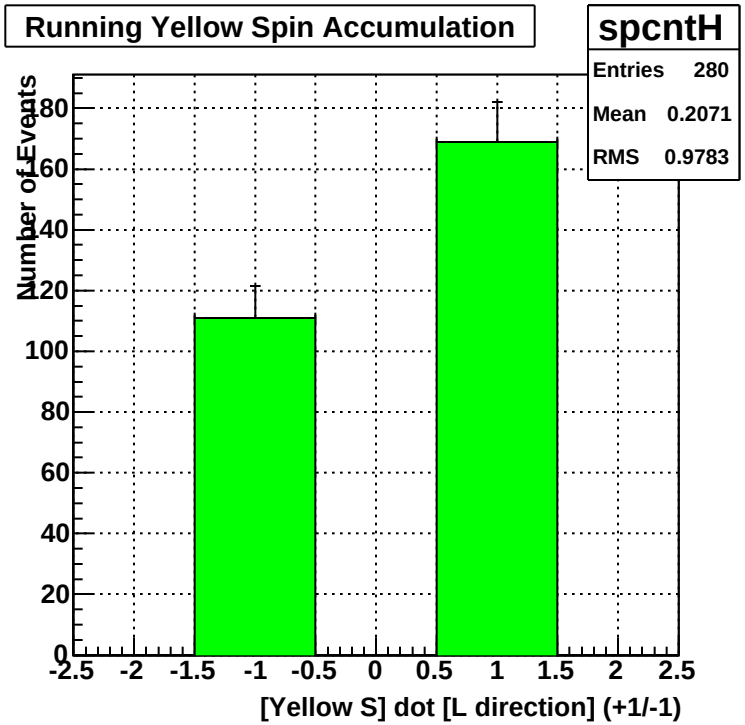
280) Rnum=7120113 EventN=4906405 (1 Yu-N[+])

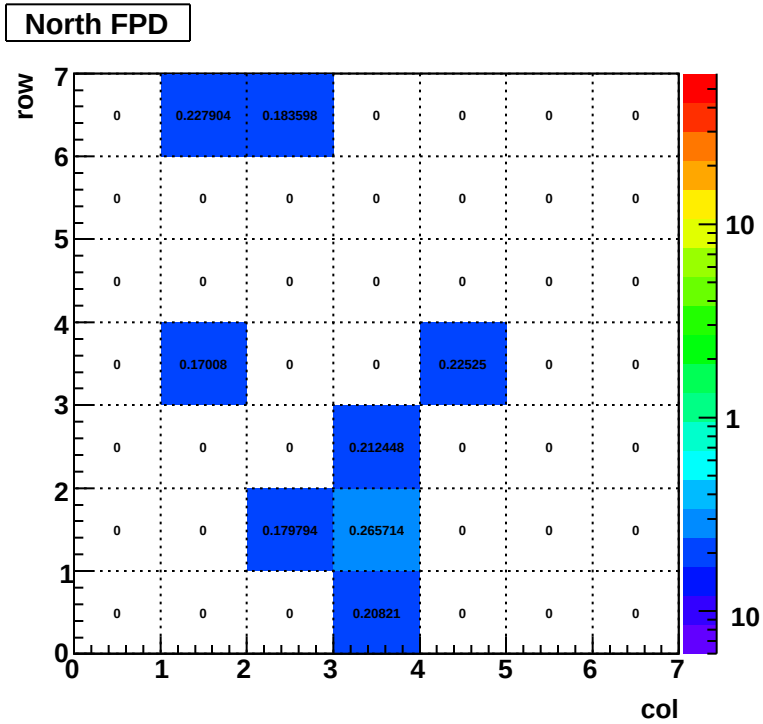
(1) Energy=36.987511 Y=-3.749674 Phi=-0.087853

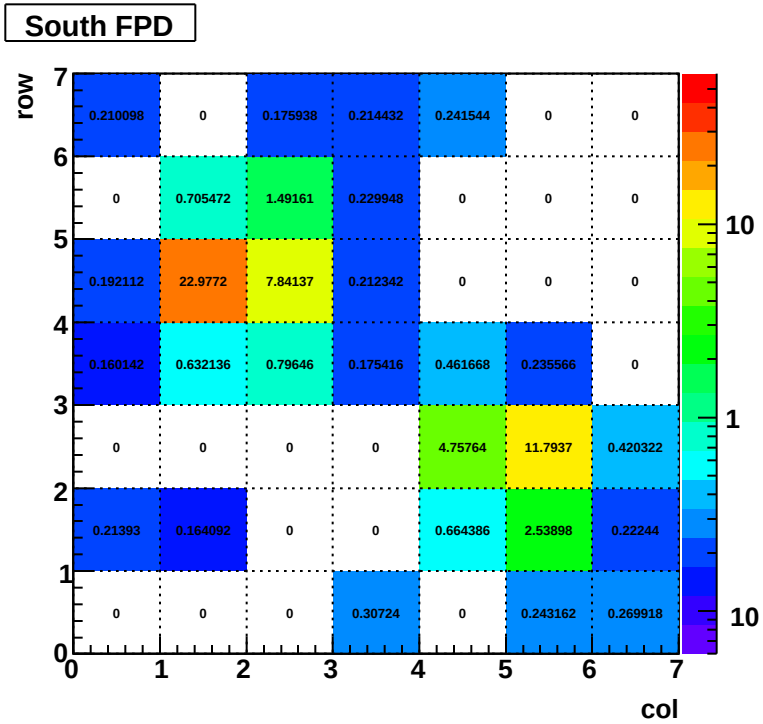
(2) Energy=20.483776 Y=-3.470352 Phi=0.107616

M12=0.508 Y12=-3.646 Phi12=-0.005 E12=57.471

SumN(-) = 111 SumN(+)= 169 AN/.6=0.345







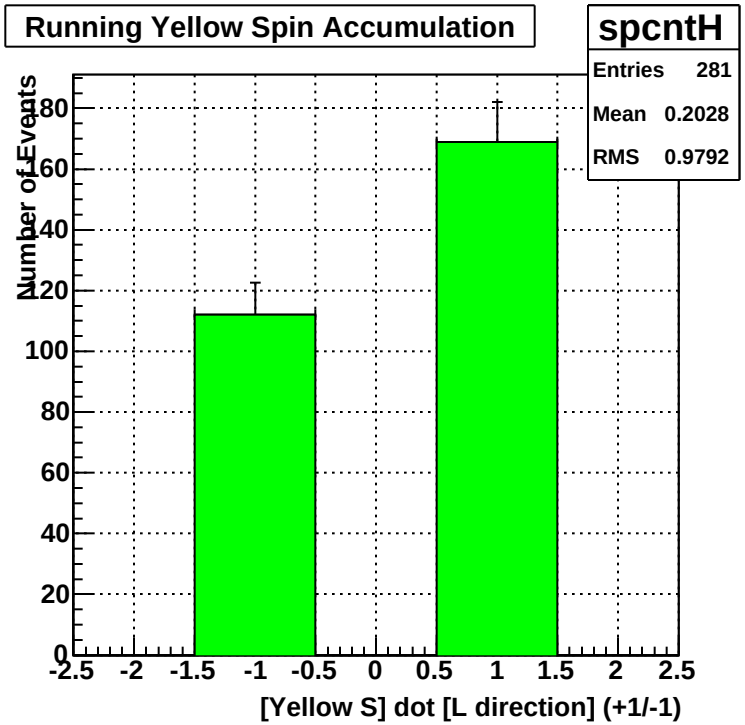
281) Rnum=7120116 EventN=2802186 (1 Yu-S[-])

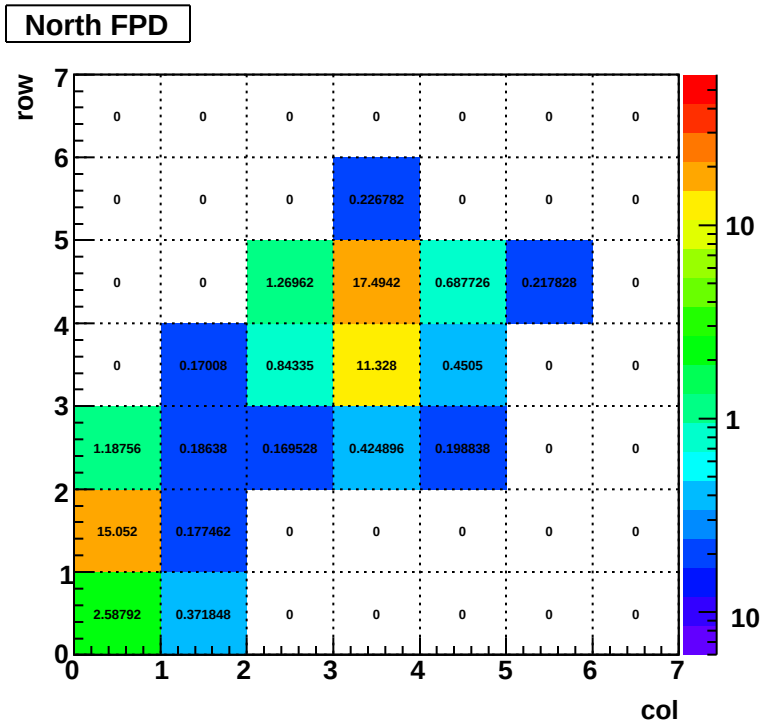
(1) Energy=33.470688 Y=-3.613417 Phi=-3.107982

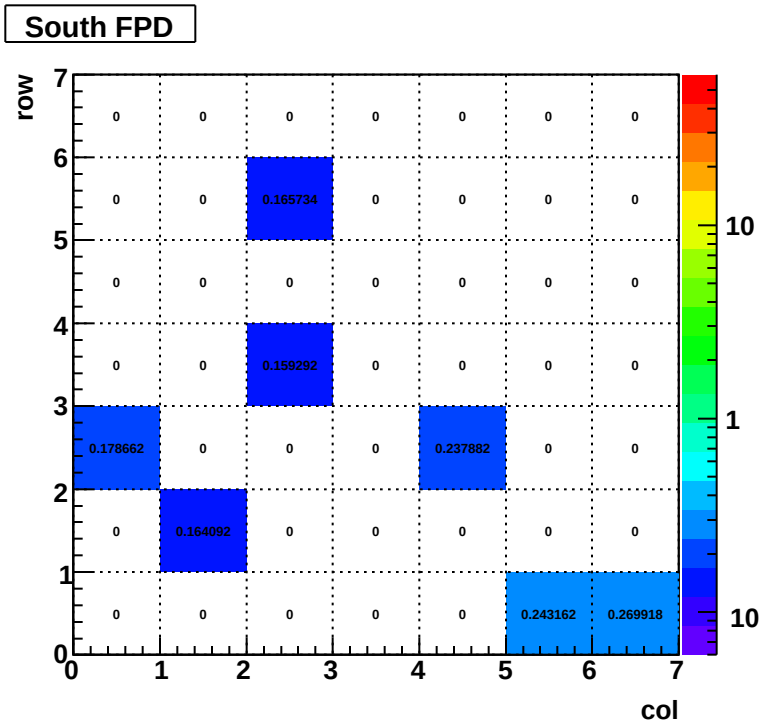
(2) Energy=22.833679 Y=-3.894817 Phi=2.854993

M12=0.551 Y12=-3.730 Phi12=3.067 E12=56.304

SumN(-) = 112 SumN(+)= 169 AN/.6=0.338







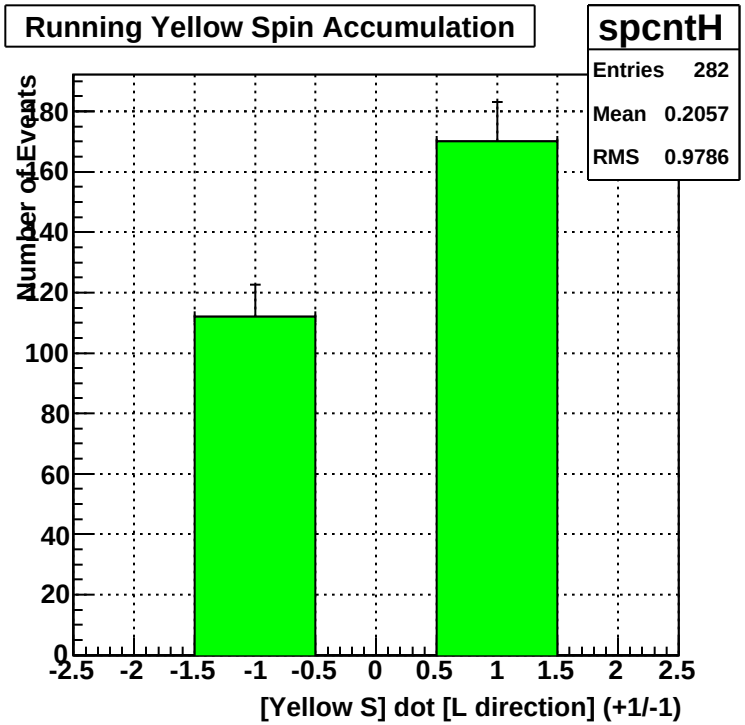
282) Rnum=7120116 EventN=4100811 (0 Yd-S[+])

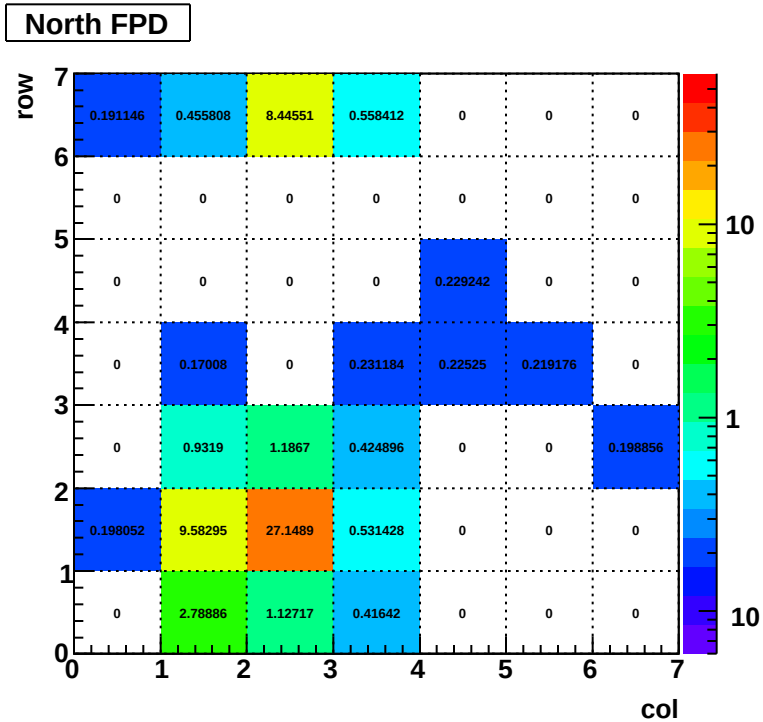
(1) Energy=45.089710 Y=-3.711038 Phi=2.927069

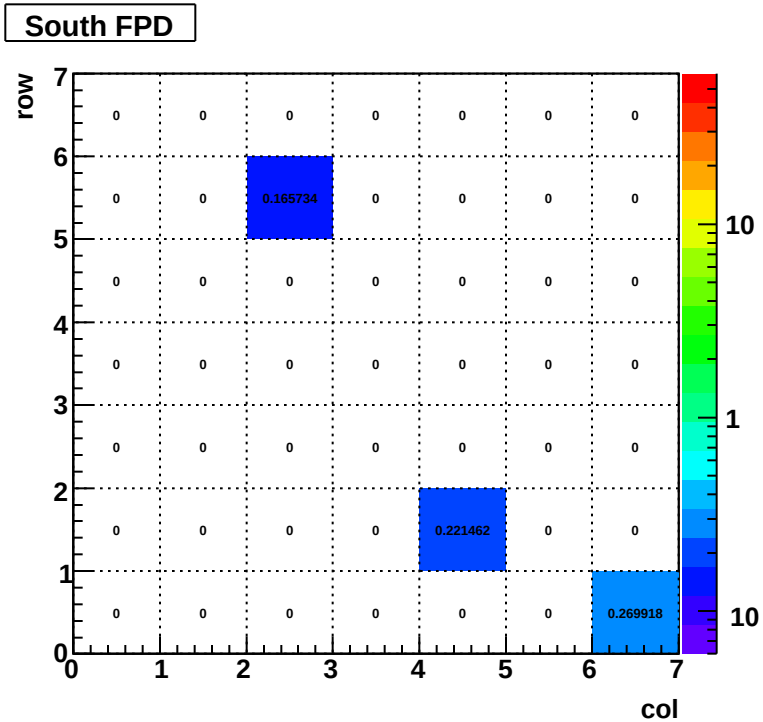
(2) Energy=10.913222 Y=-3.651744 Phi=-2.879982

M12=0.531 Y12=-3.718 Phi12=3.023 E12=56.003

SumN(-) = 112 SumN(+)= 170 AN/.6=0.343







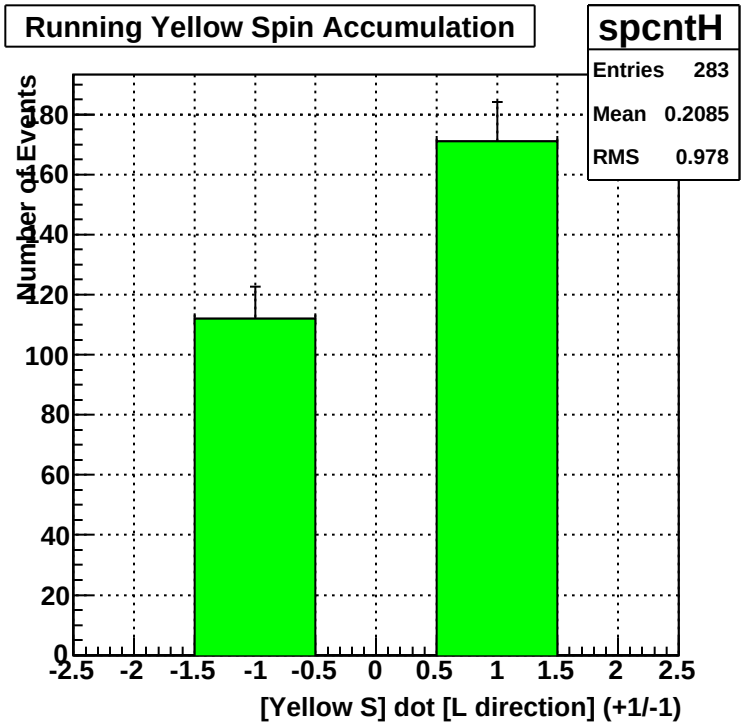
283) Rnum=7120121 EventN=106027 (3 Yu-N[+])

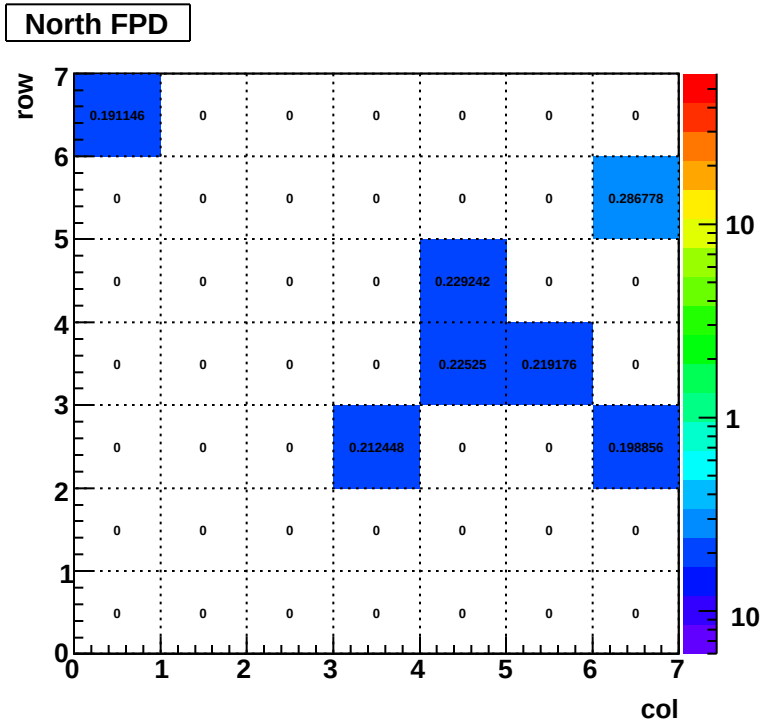
(1) Energy=32.372227 Y=-3.583853 Phi=-0.183287

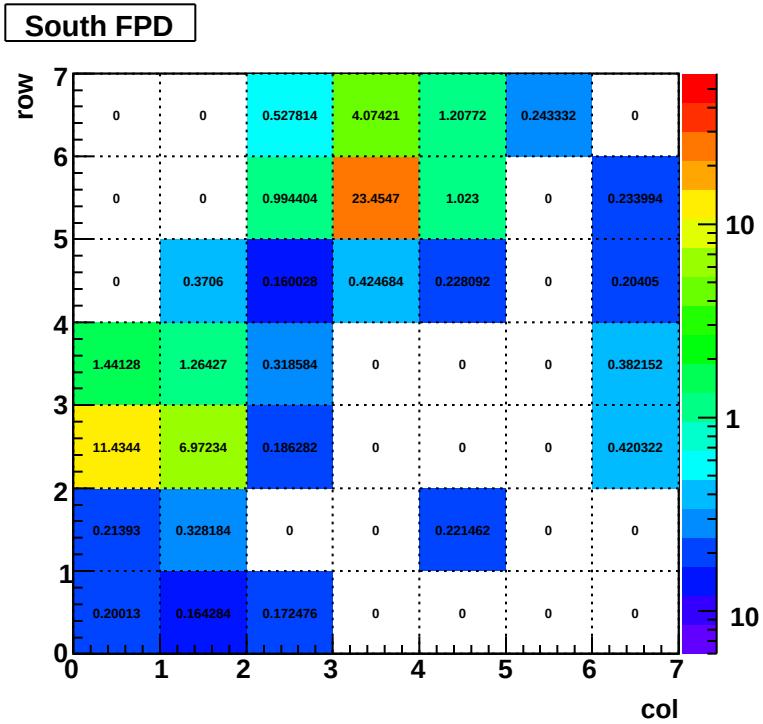
(2) Energy=24.128901 Y=-3.847195 Phi=0.100258

M12=0.526 Y12=-3.697 Phi12=-0.080 E12=56.501

SumN(-) = 112 SumN(+)= 171 AN/.6=0.347







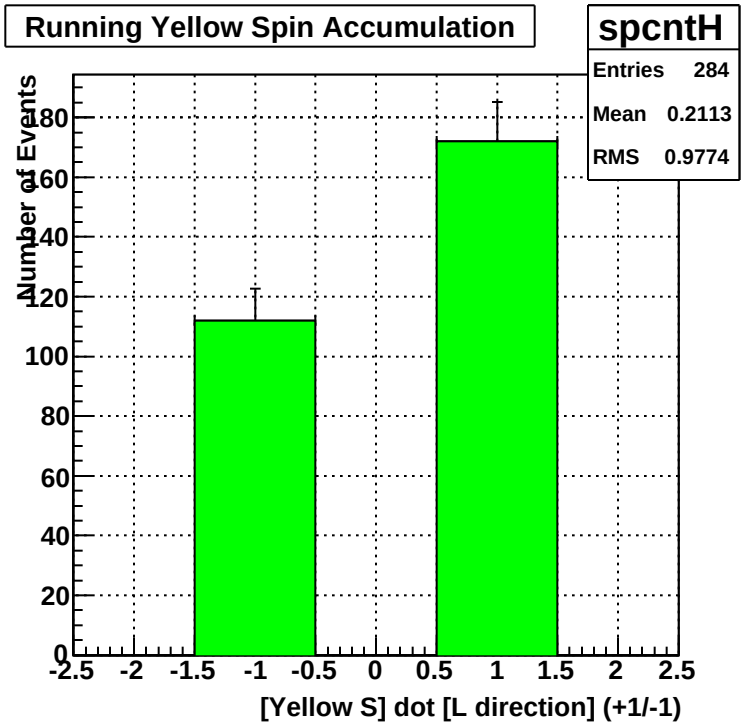
284) Rnum=7120121 EventN=5907725 (2 Yd-S[+])

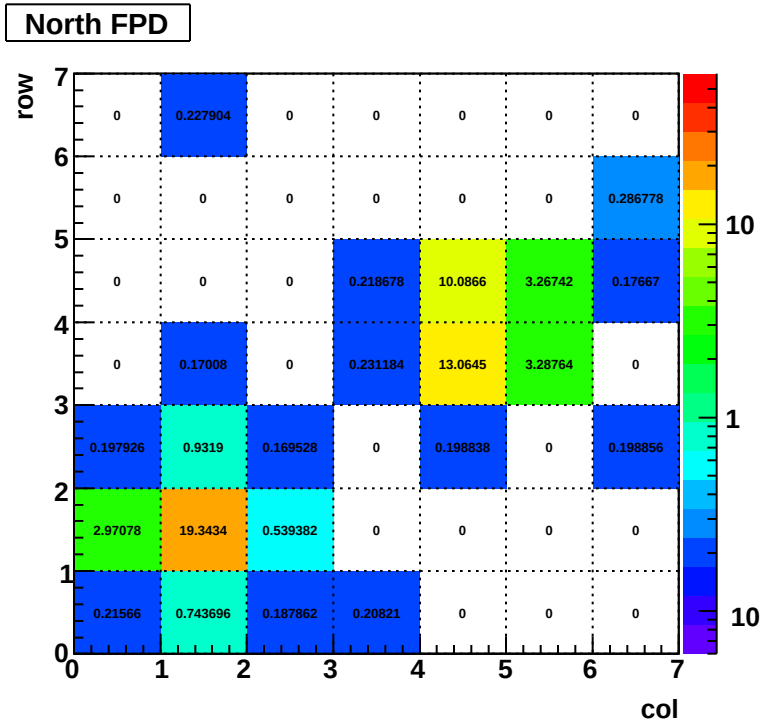
(1) Energy=26.923378 Y=-3.796219 Phi=2.916069

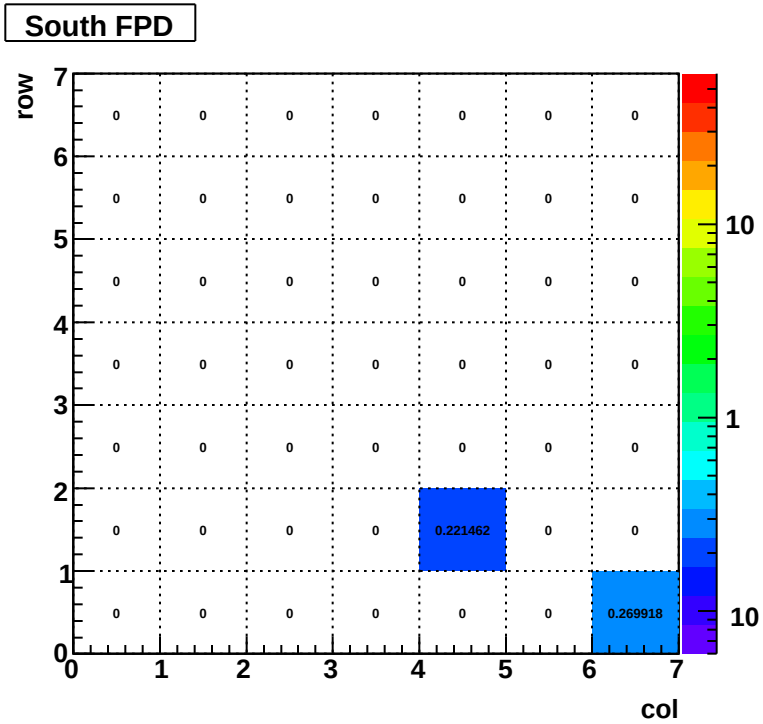
(2) Energy=31.176771 Y=-3.492867 Phi=-3.115880

M12=0.597 Y12=-3.630 Phi12=3.070 E12=58.100

SumN(-) = 112 SumN(+)= 172 AN/.6=0.352







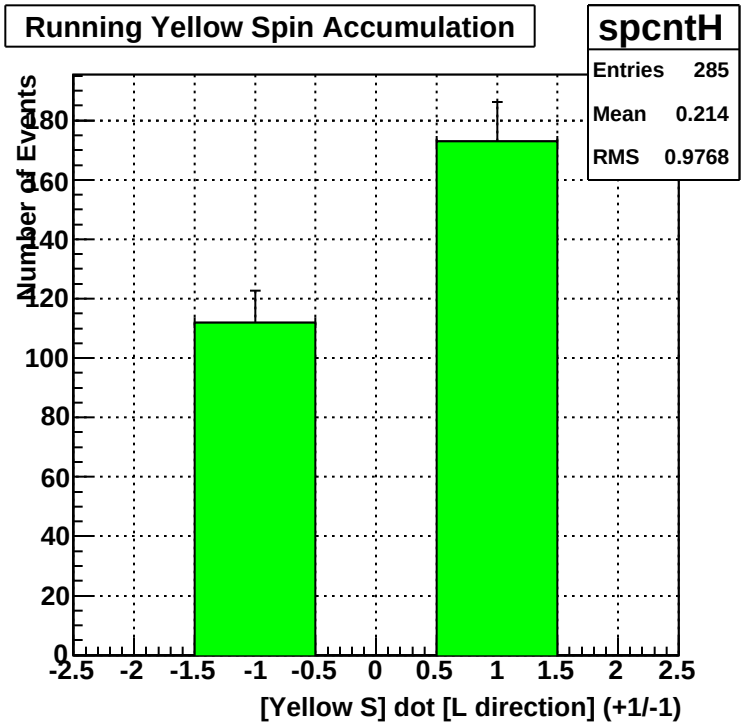
285) Rnum=7120122 EventN=903894 (3 Yu-N[+])

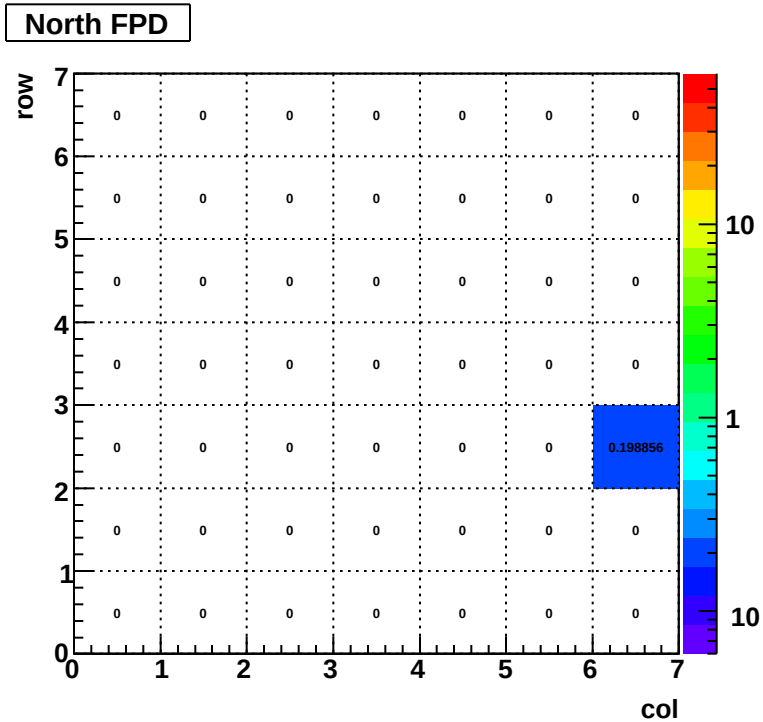
(1) Energy=40.980759 Y=-3.630184 Phi=-0.221641

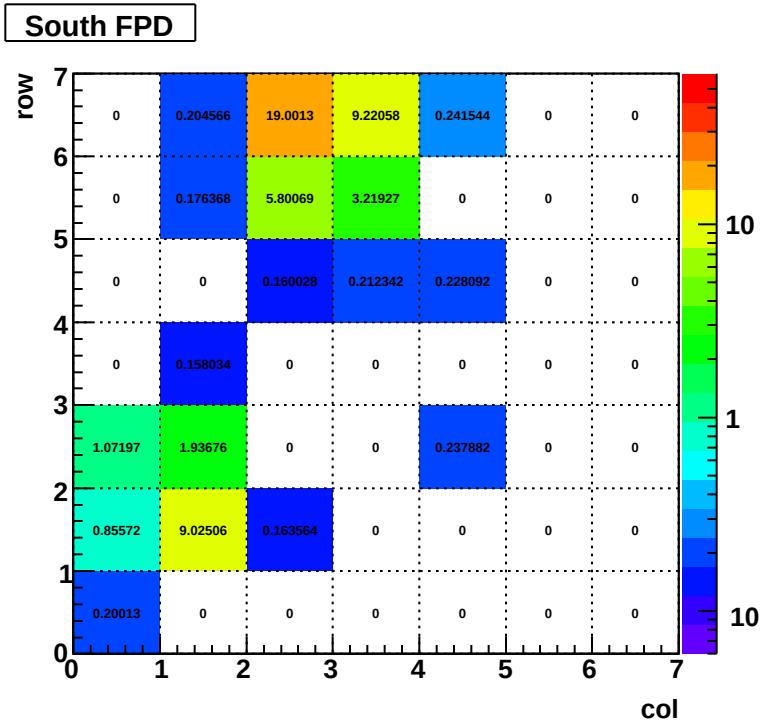
(2) Energy=14.156923 Y=-3.800082 Phi=0.190757

M12=0.520 Y12=-3.686 Phi12=-0.130 E12=55.138

SumN(-) = 112 SumN(+)= 173 AN/.6=0.357







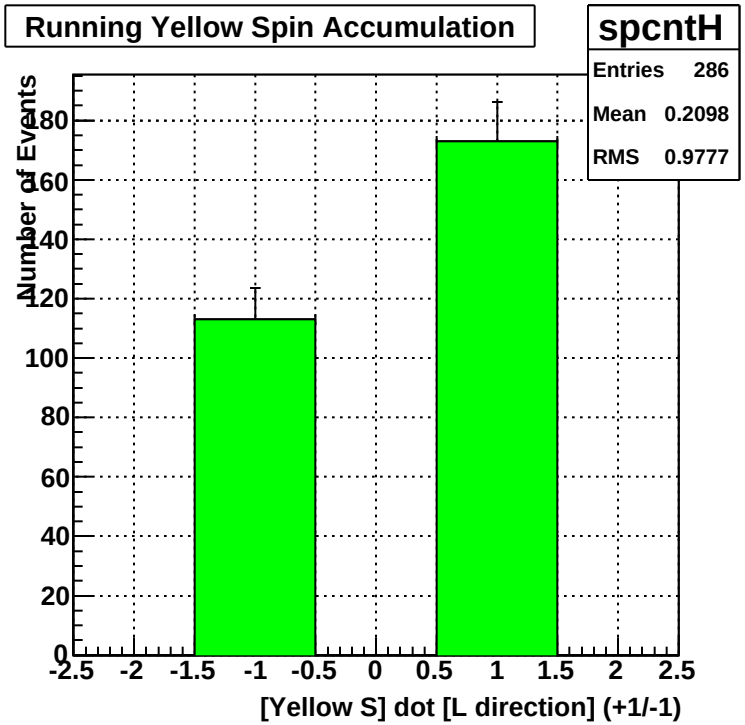
286) Rnum=7120128 EventN=1409900 (3 Yu-S[-])

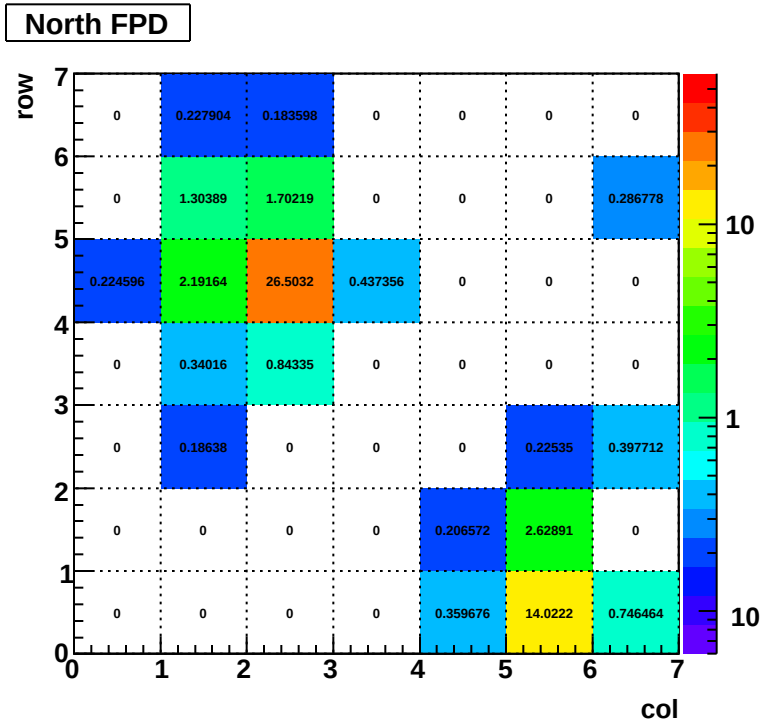
(1) Energy=37.504253 Y=-3.707109 Phi=-3.049301

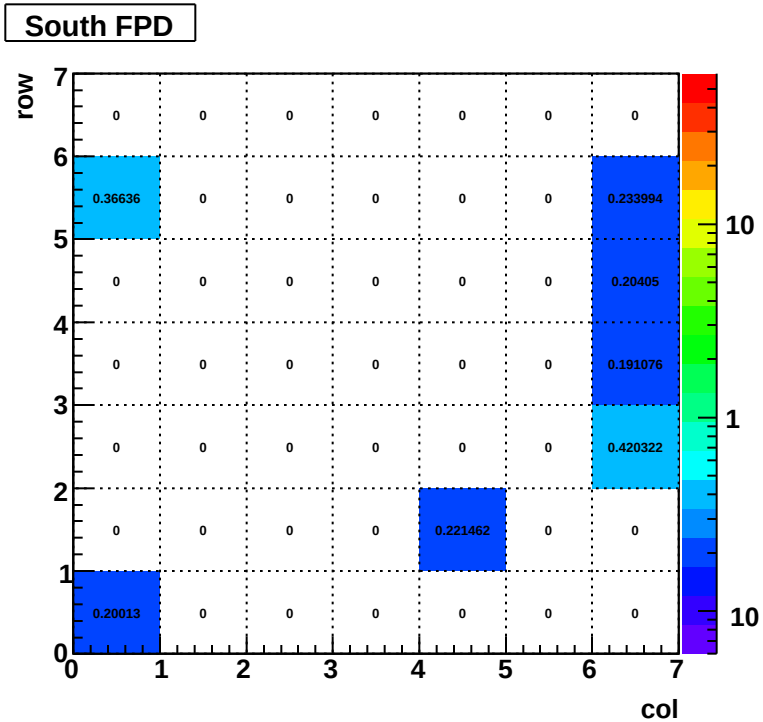
(2) Energy=17.926390 Y=-3.416666 Phi=2.936978

M12=0.611 Y12=-3.614 Phi12=3.118 E12=55.431

SumN(-) = 113 SumN(+)= 173 AN/.6=0.350







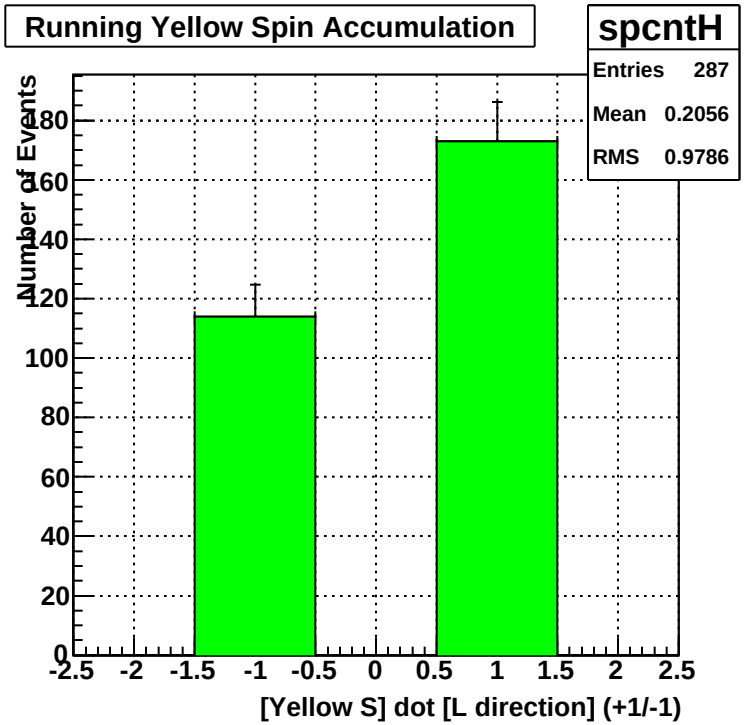
287) Rnum=7120128 EventN=1709211 (0 Yd-N[-])

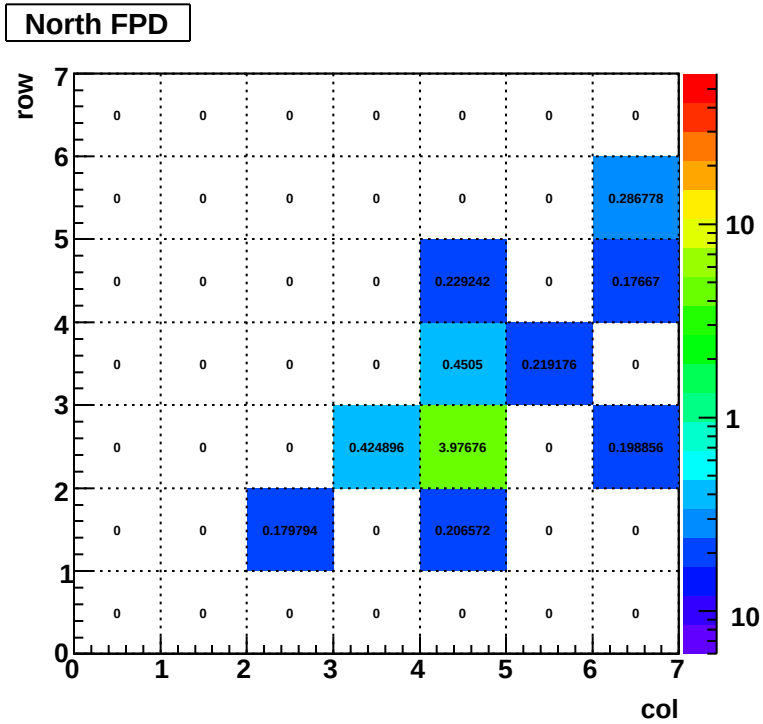
(1) Energy=38.747318 Y=-3.923093 Phi=-0.092550

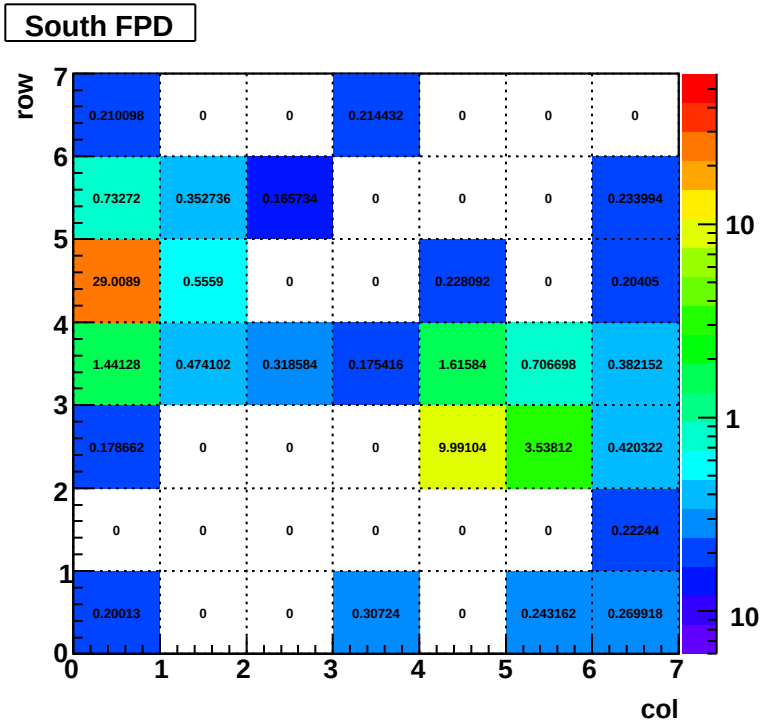
(2) Energy=16.537338 Y=-3.487782 Phi=0.068241

M12=0.581 Y12=-3.775 Phi12=-0.029 E12=55.285

SumN(-) = 114 SumN(+)= 173 AN/.6=0.343







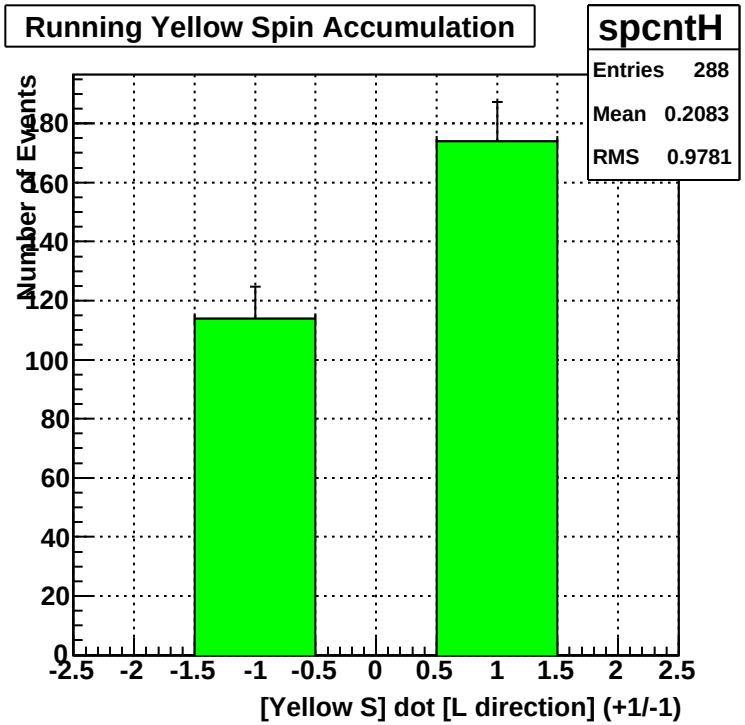
288) Rnum=7120131 EventN=802604 (0 Yd-S[+])

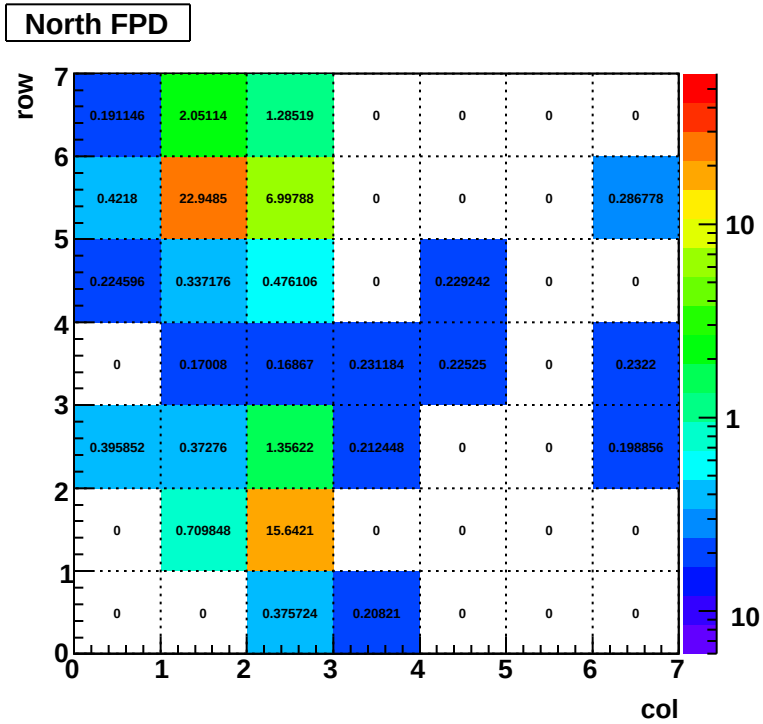
(1) Energy=34.524738 Y=-3.733250 Phi=-2.939149

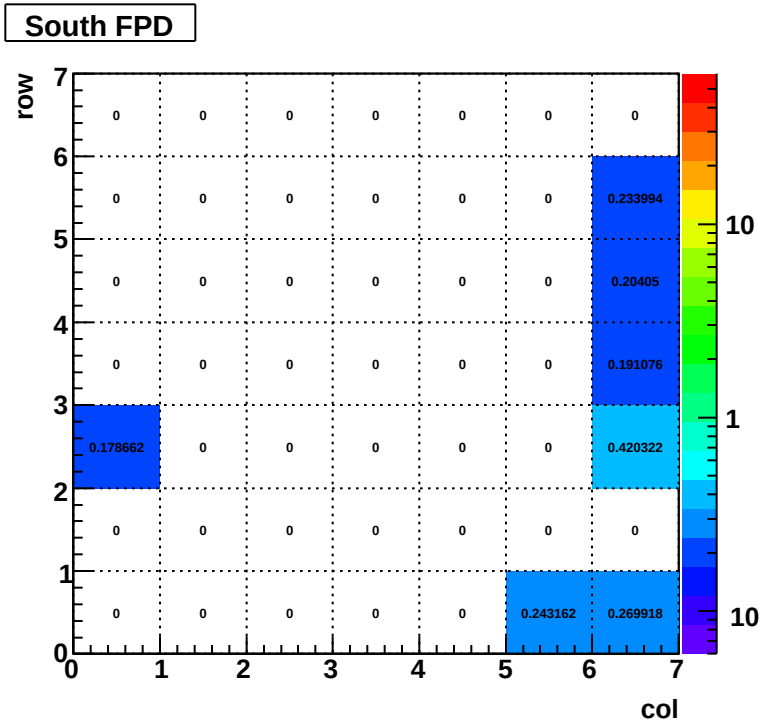
(2) Energy=20.808060 Y=-3.680227 Phi=2.955511

M12=0.513 Y12=-3.731 Phi12=-3.090 E12=55.333

SumN(-) = 114 SumN(+)= 174 AN/.6=0.347







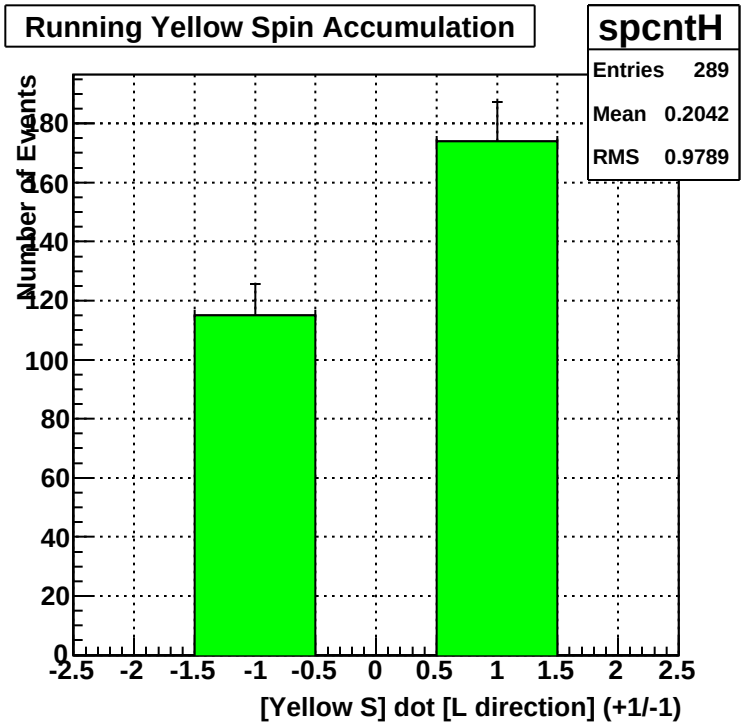
289) Rnum=7120135 EventN=107056 (3 Yu-S[-])

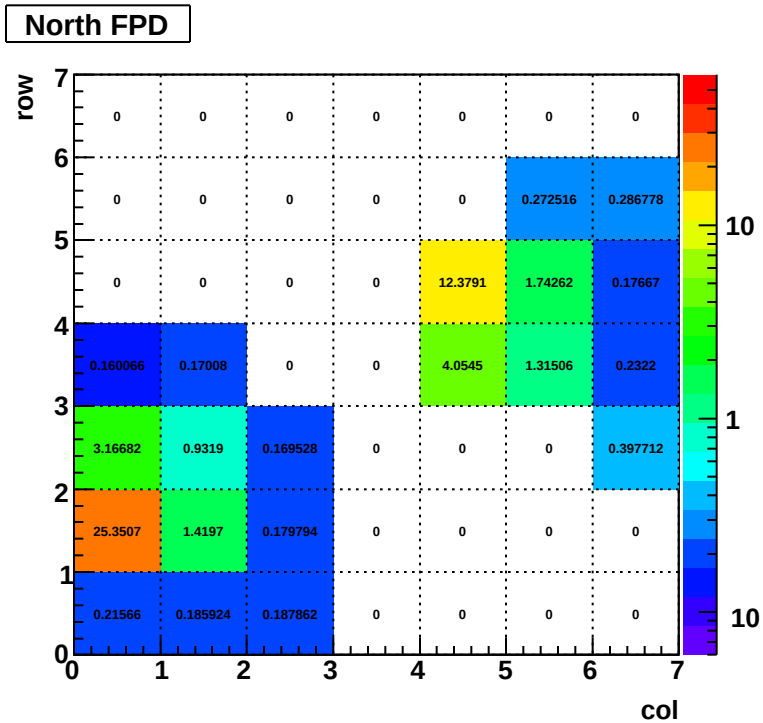
(1) Energy=34.851345 Y=-3.870989 Phi=2.925354

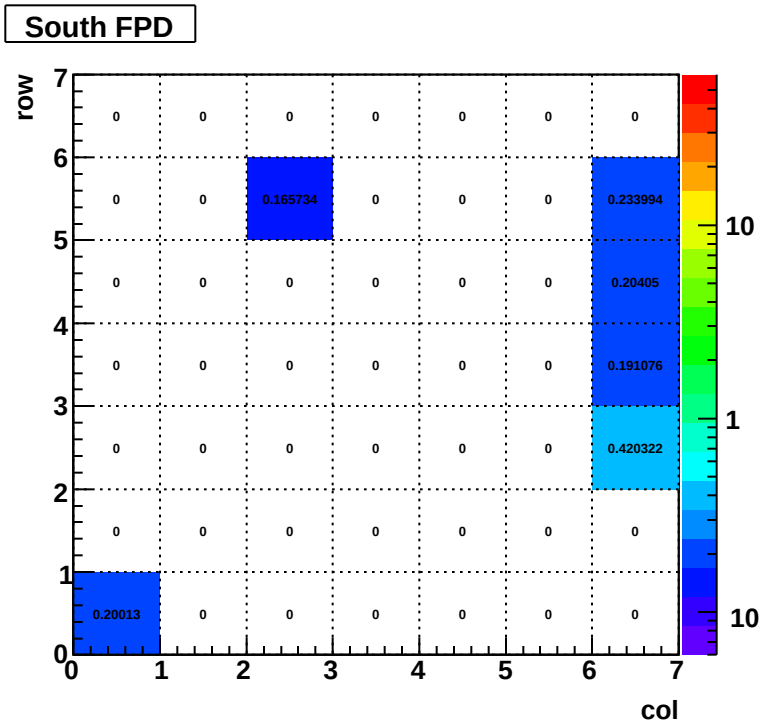
(2) Energy=20.664940 Y=-3.498373 Phi=-3.106527

M12=0.607 Y12=-3.724 Phi12=3.042 E12=55.516

SumN(-) = 115 SumN(+)= 174 AN/.6=0.340







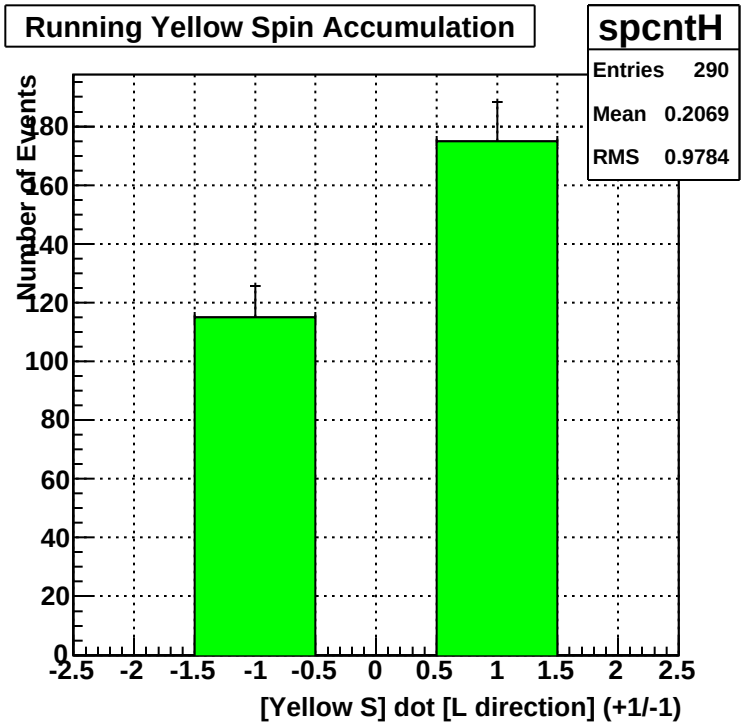
290) Rnum=7120135 EventN=1203425 (0 Yd-S[+])

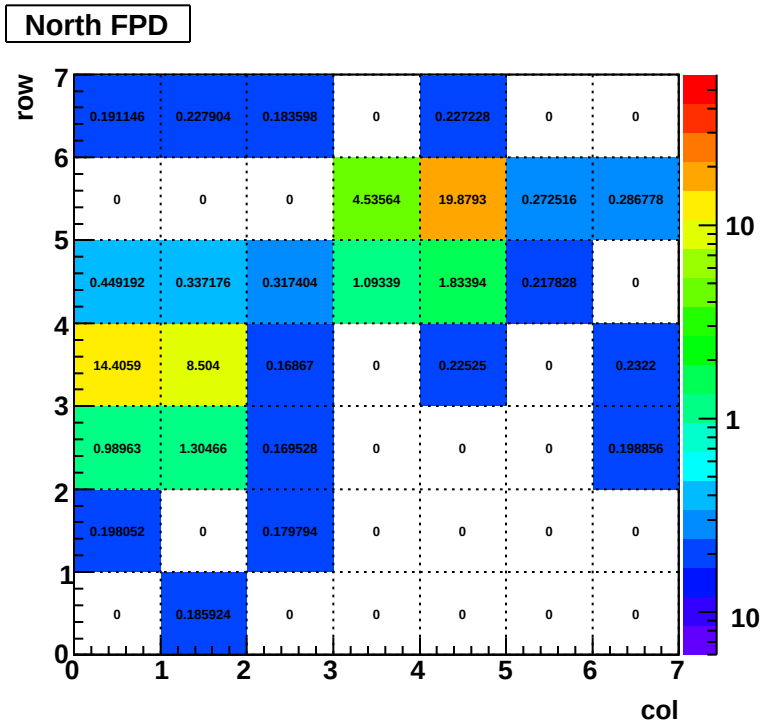
(1) Energy=30.200571 Y=-3.540133 Phi=-3.006616

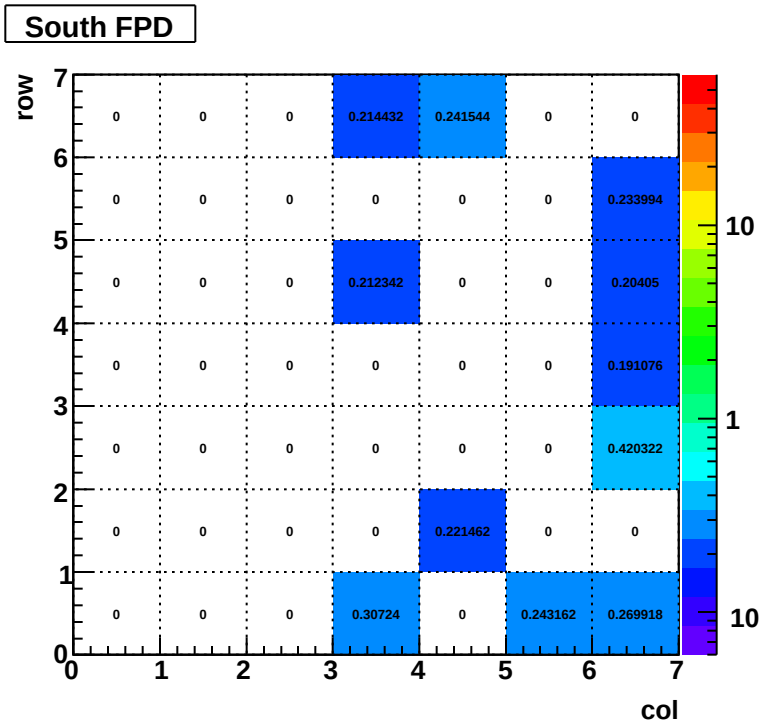
(2) Energy=28.201382 Y=-3.852760 Phi=3.109590

M12=0.514 Y12=-3.682 Phi12=-3.074 E12=58.402

SumN(-) = 115 SumN(+)= 175 AN/.6=0.345







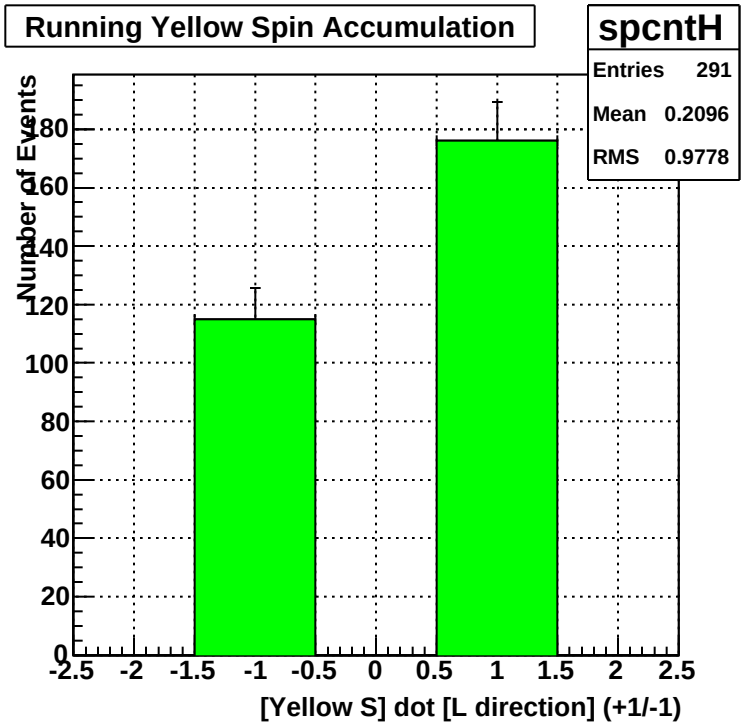
291) Rnum=7120138 EventN=602347 (2 Yd-S[+])

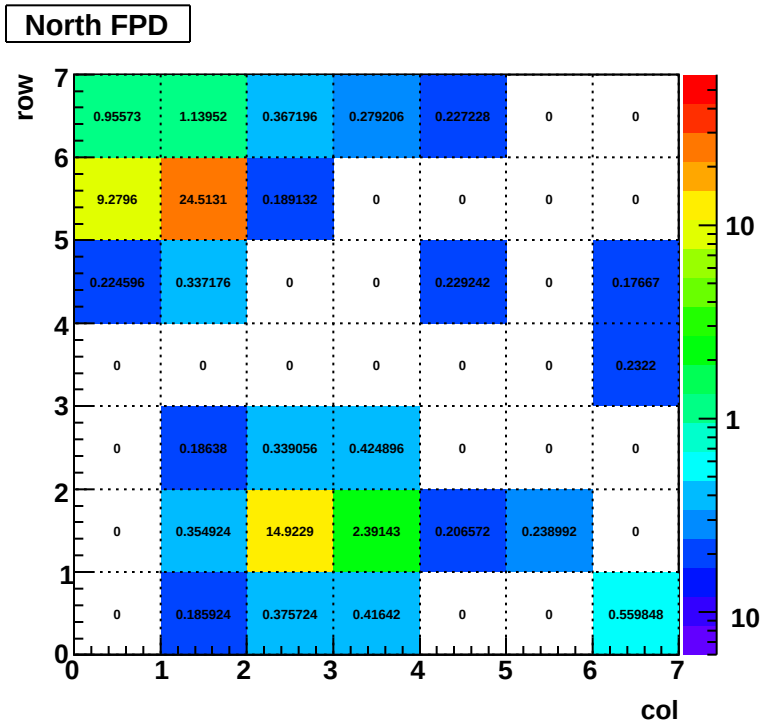
(1) Energy=37.890667 Y=-3.817475 Phi=-2.930003

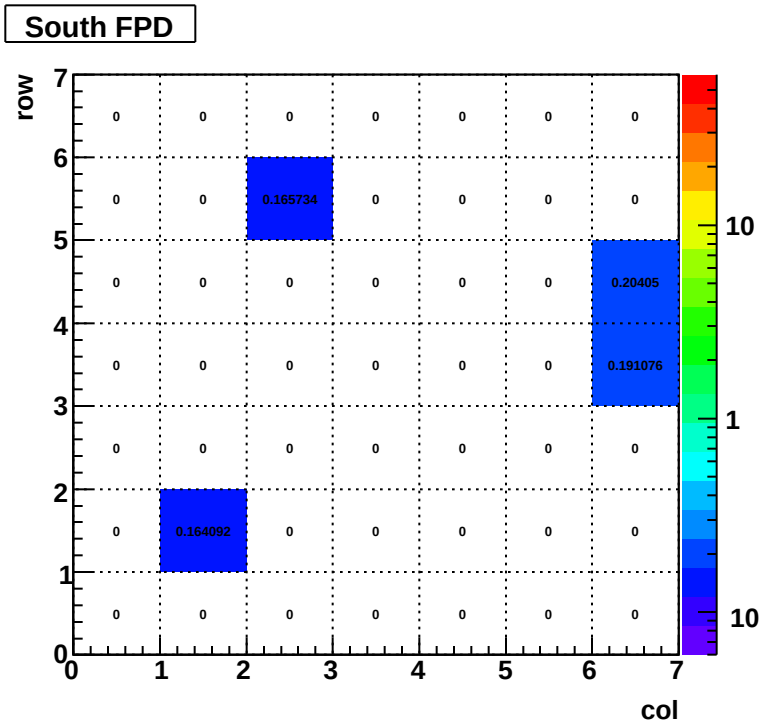
(2) Energy=20.277256 Y=-3.653407 Phi=2.944317

M12=0.579 Y12=-3.777 Phi12=-3.087 E12=58.168

SumN(-) = 115 SumN(+)= 176 AN/.6=0.349







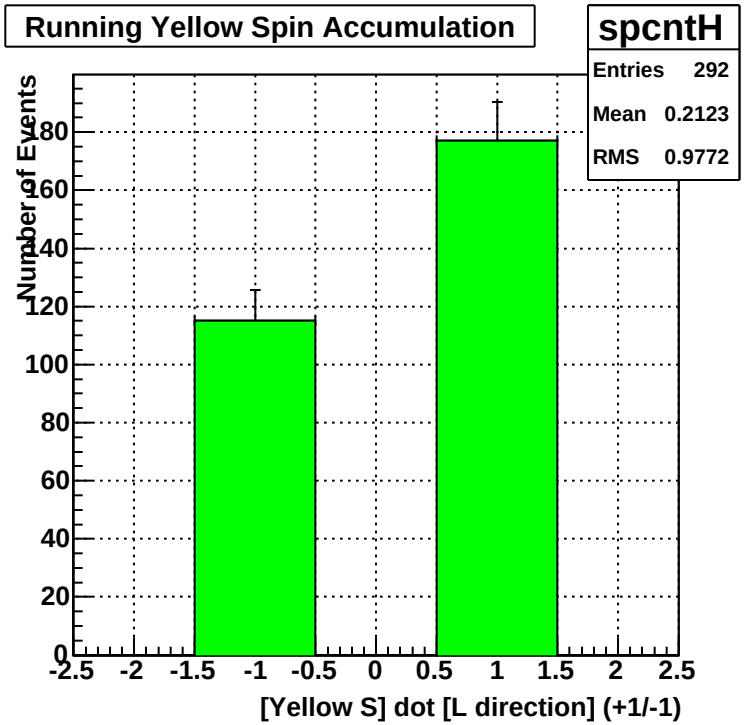
292) Rnum=7121001 EventN=1807085 (1 Yu-N[+])

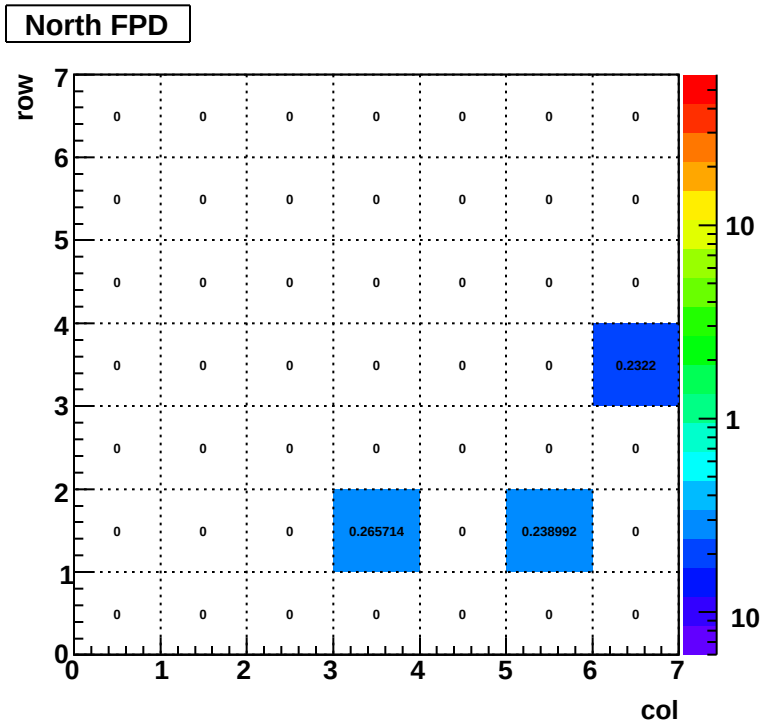
(1) Energy=32.549618 Y=-3.662854 Phi=-0.166766

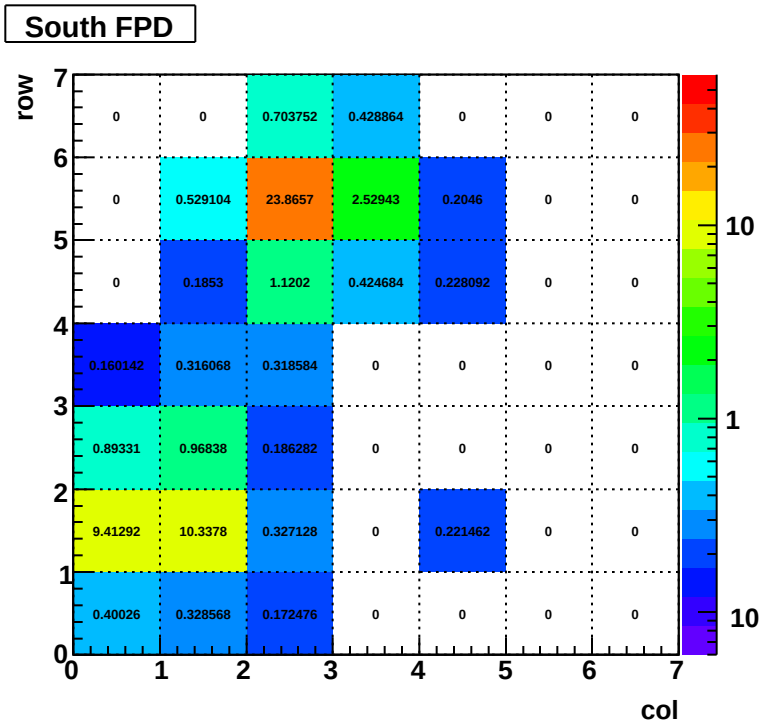
(2) Energy=24.133034 Y=-3.822875 Phi=0.219983

M12=0.552 Y12=-3.746 Phi12=-0.018 E12=56.683

SumN(-) = 115 SumN(+)= 177 AN/.6=0.354







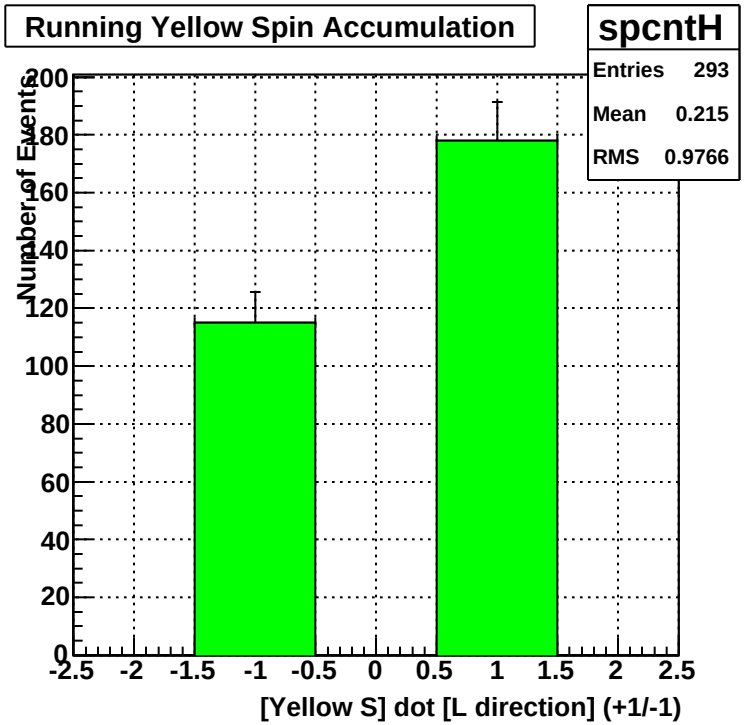
293) Rnum=7121001 EventN=2005696 (1 Yu-N[+])

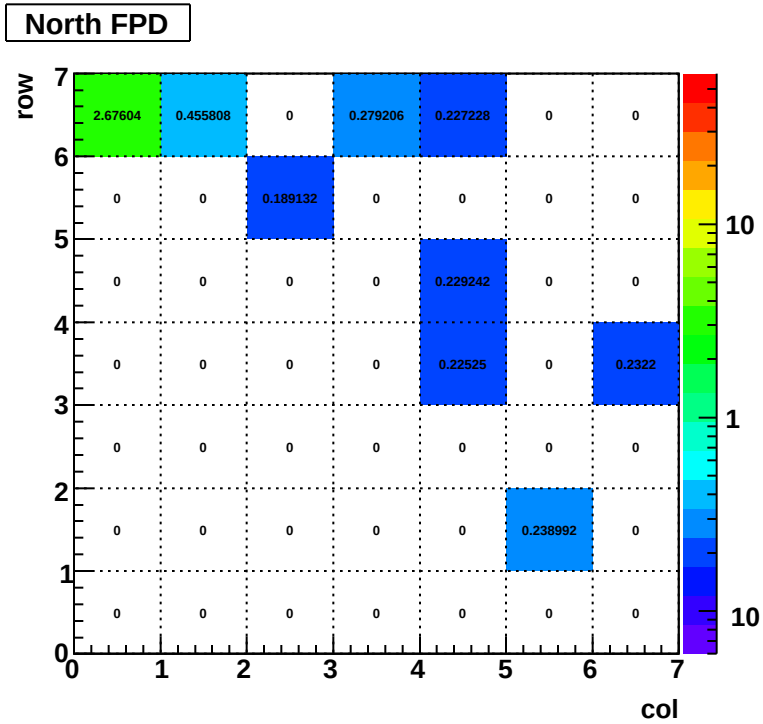
(1) Energy=37.138859 Y=-3.554763 Phi=0.103787

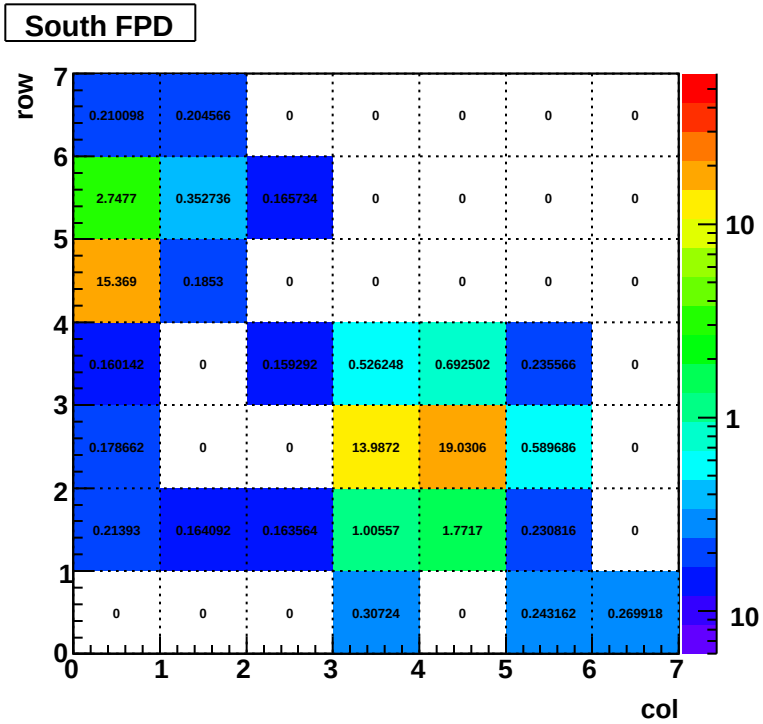
(2) Energy=22.437099 Y=-3.919027 Phi=-0.137243

M12=0.602 Y12=-3.683 Phi12=0.033 E12=59.576

SumN(-) = 115 SumN(+)= 178 AN/.6=0.358







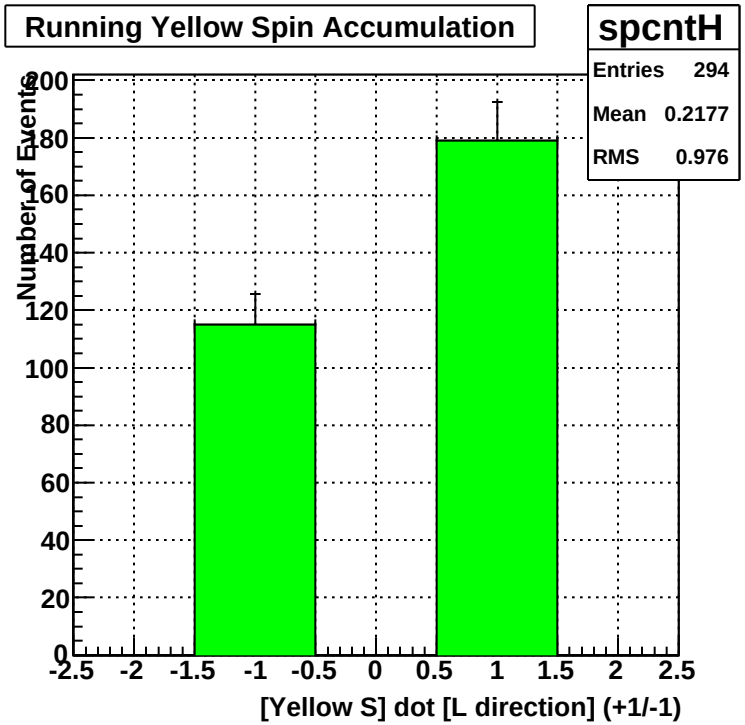
294) Rnum=7121002 EventN=405638 (0 Yd-S[+])

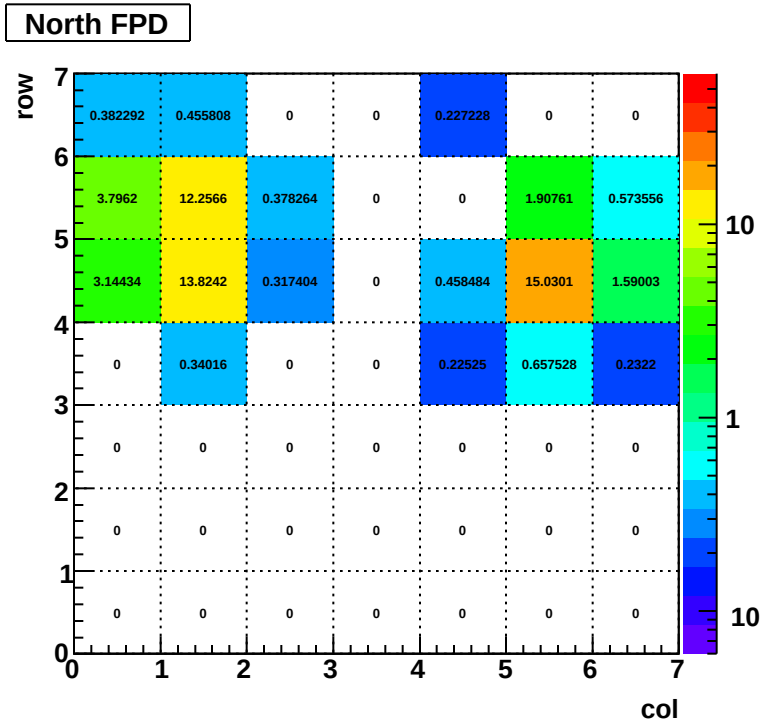
(1) Energy=21.030474 Y=-3.427145 Phi=-3.065124

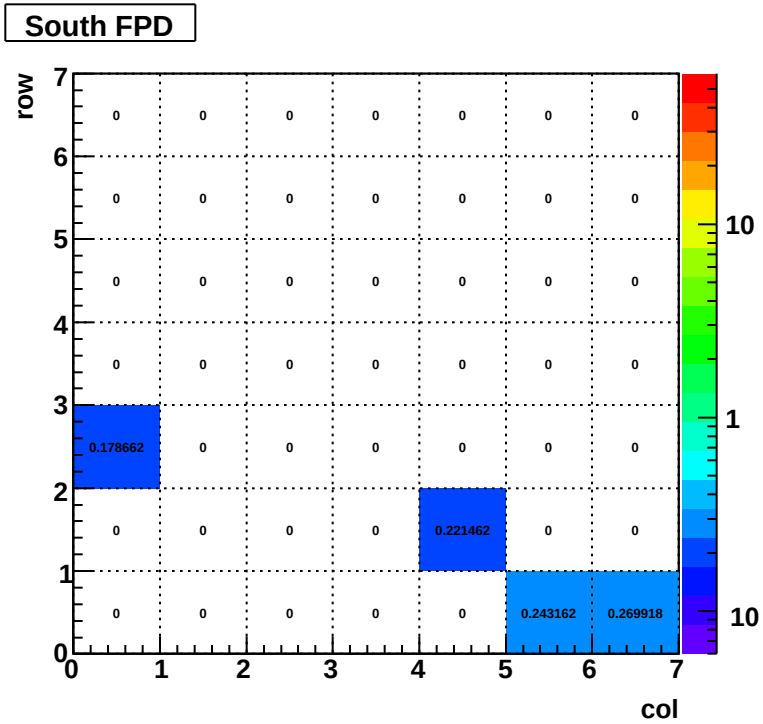
(2) Energy=35.217934 Y=-3.821072 Phi=-2.997345

M12=0.584 Y12=-3.656 Phi12=-3.029 E12=56.248

SumN(-) = 115 SumN(+)= 179 AN/.6=0.363







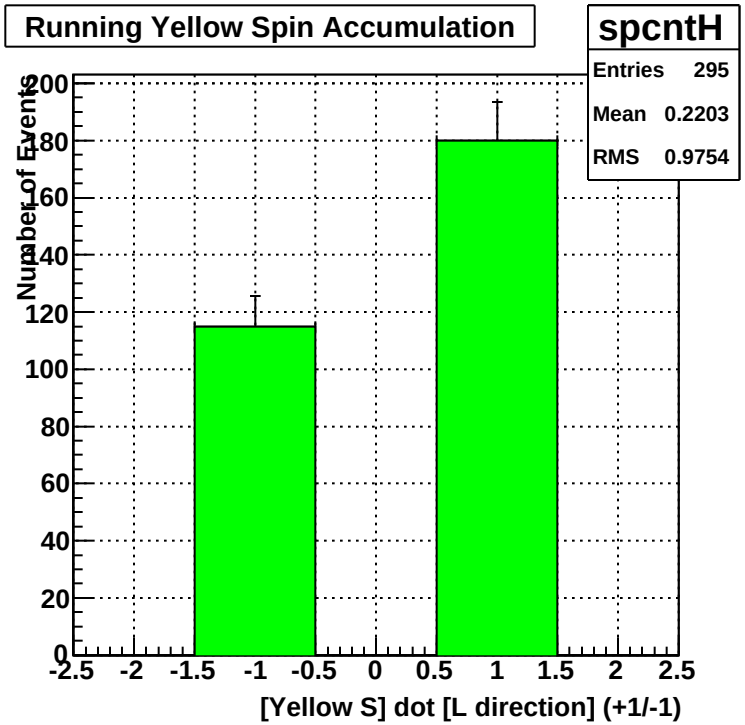
295) Rnum=7121009 EventN=206688 (3 Yu-N[+])

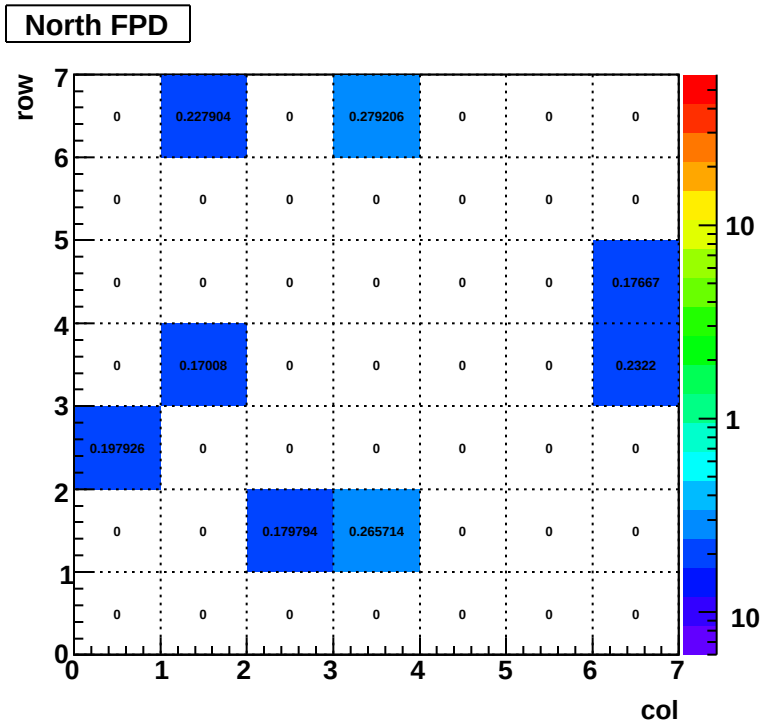
(1) Energy=30.295319 Y=-3.896465 Phi=0.239688

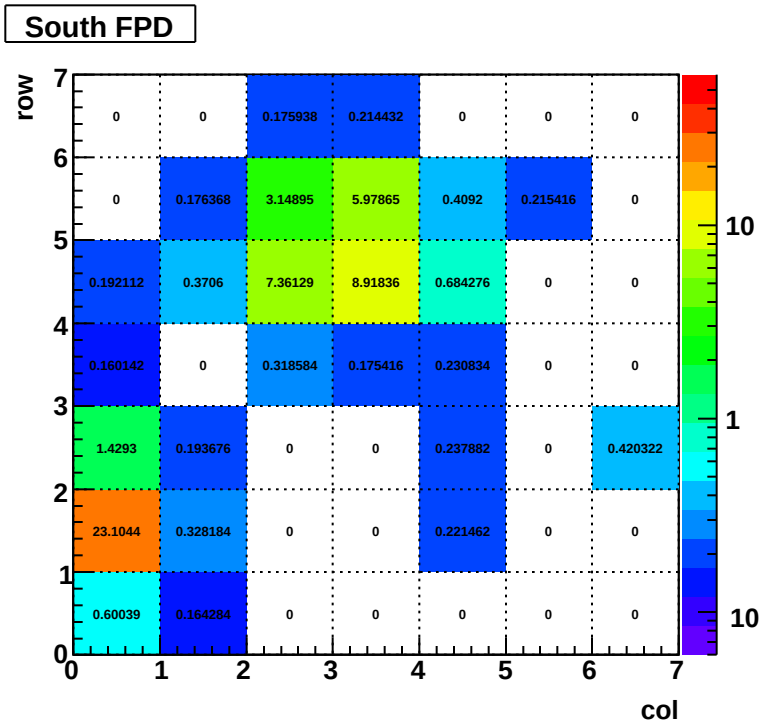
(2) Energy=27.030912 Y=-3.640277 Phi=-0.116797

M12=0.578 Y12=-3.783 Phi12=0.049 E12=57.326

SumN(-) = 115 SumN(+)= 180 AN/.6=0.367







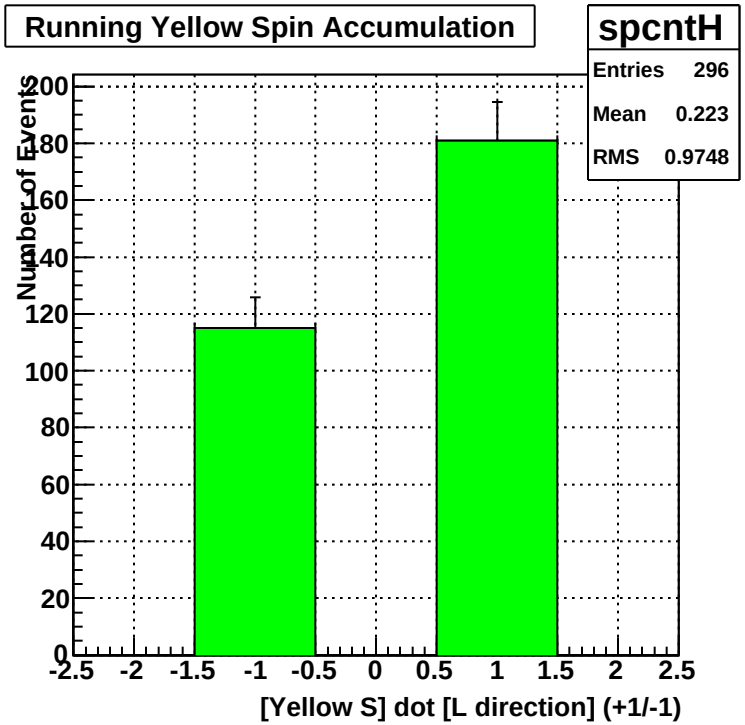
296) Rnum=7121011 EventN=704918 (1 Yu-N[+])

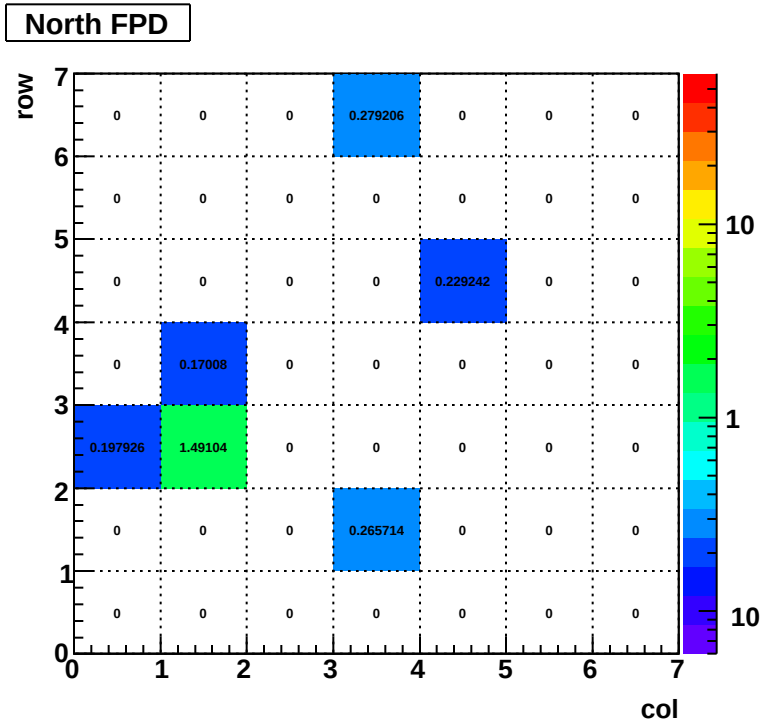
(1) Energy=28.894840 Y=-3.611367 Phi=0.210810

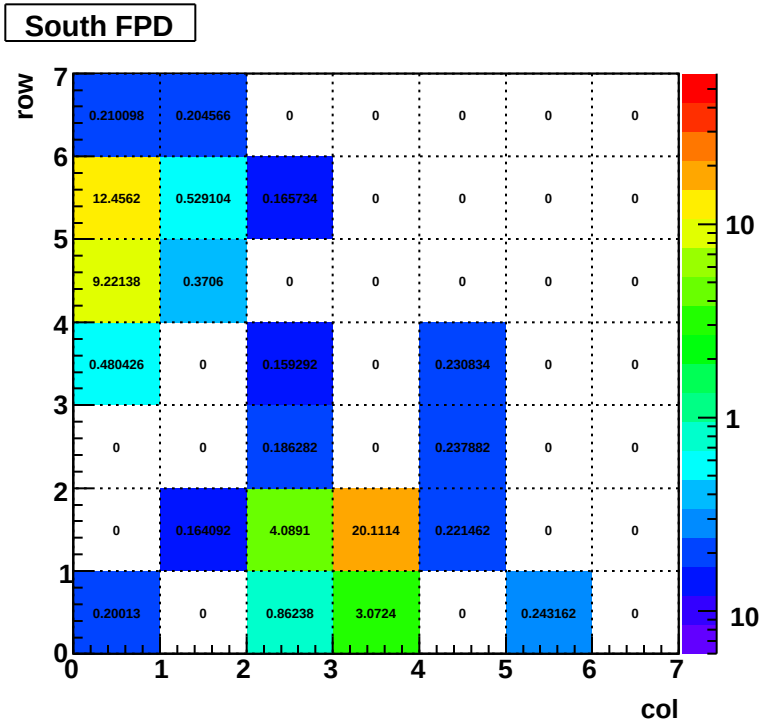
(2) Energy=26.332415 Y=-3.905911 Phi=-0.161320

M12=0.609 Y12=-3.758 Phi12=0.061 E12=55.227

SumN(-) = 115 SumN(+)= 181 AN/.6=0.372







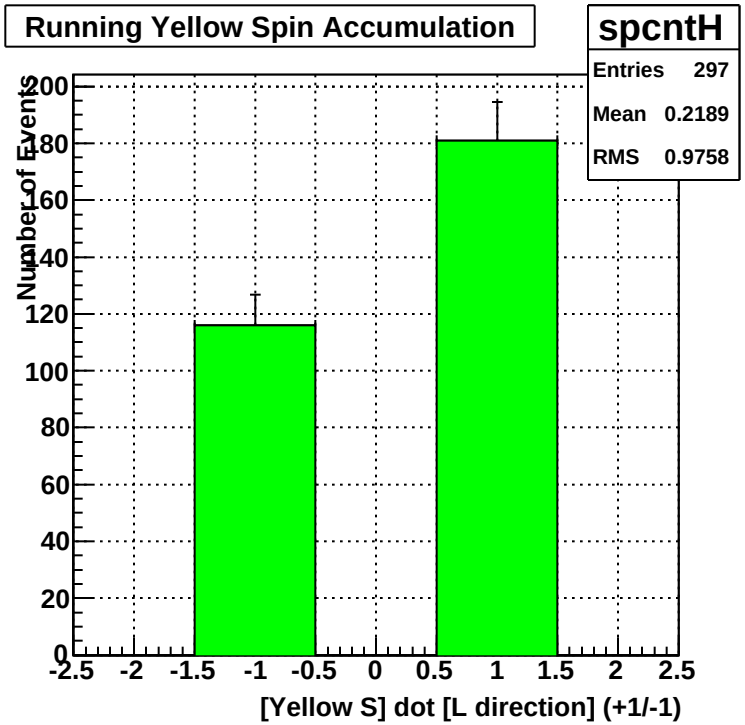
297) Rnum=7121012 EventN=5009786 (0 Yd-N[-])

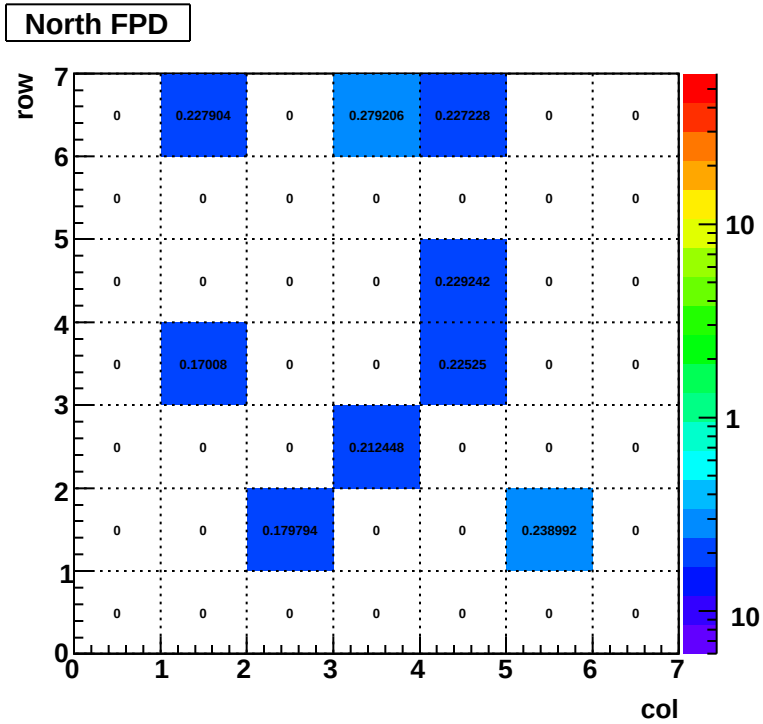
(1) Energy=42.428082 Y=-3.663174 Phi=-0.107039

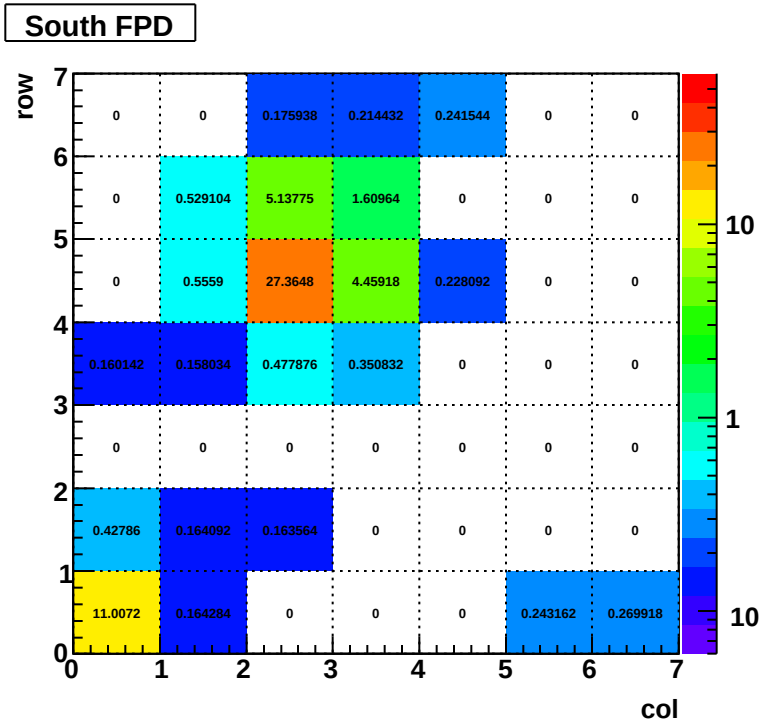
(2) Energy=14.214618 Y=-3.850159 Phi=0.357335

M12=0.570 Y12=-3.725 Phi12=-0.008 E12=56.643

SumN(-) = 116 SumN(+)= 181 AN/.6=0.365







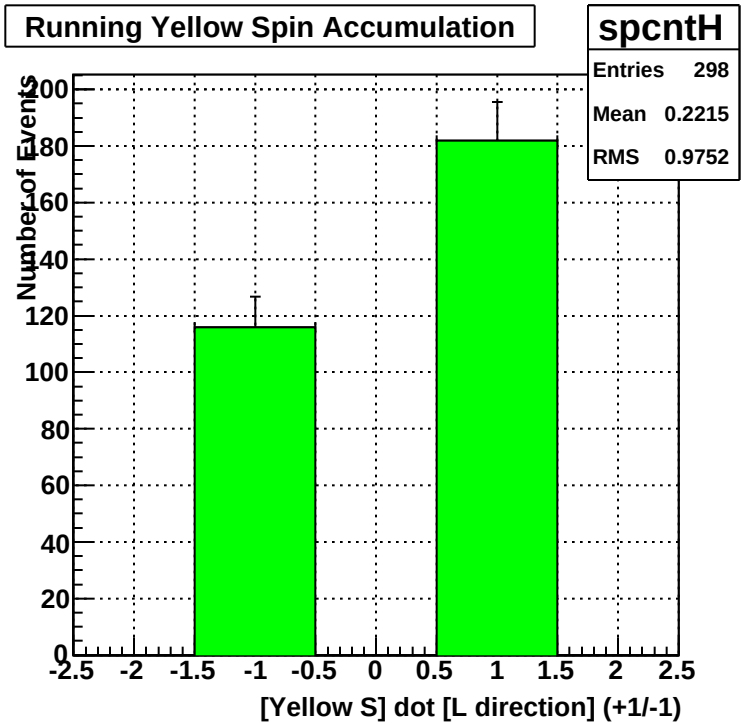
298) Rnum=7121015 EventN=3505882 (2 Yd-S[+])

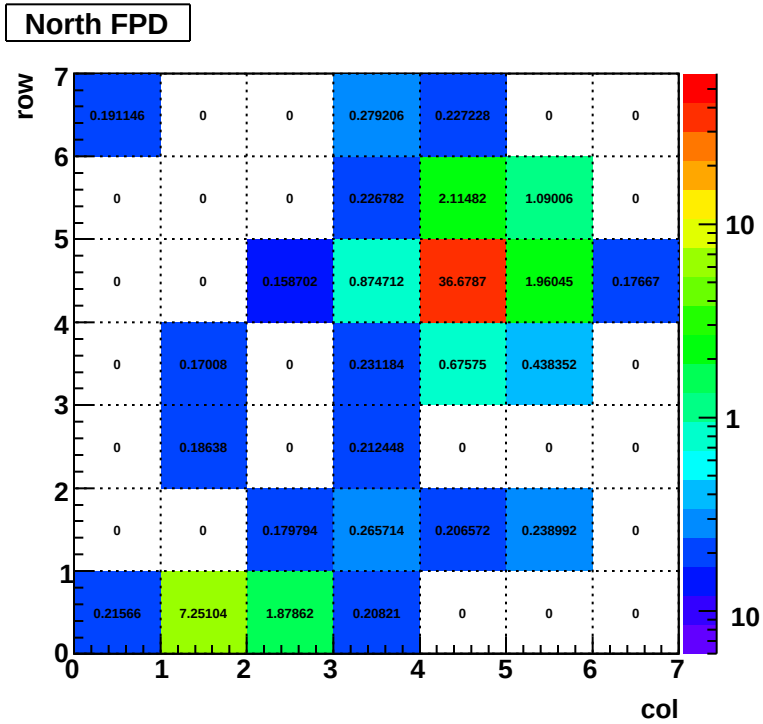
(1) Energy=45.223389 Y=-3.510578 Phi=-3.065276

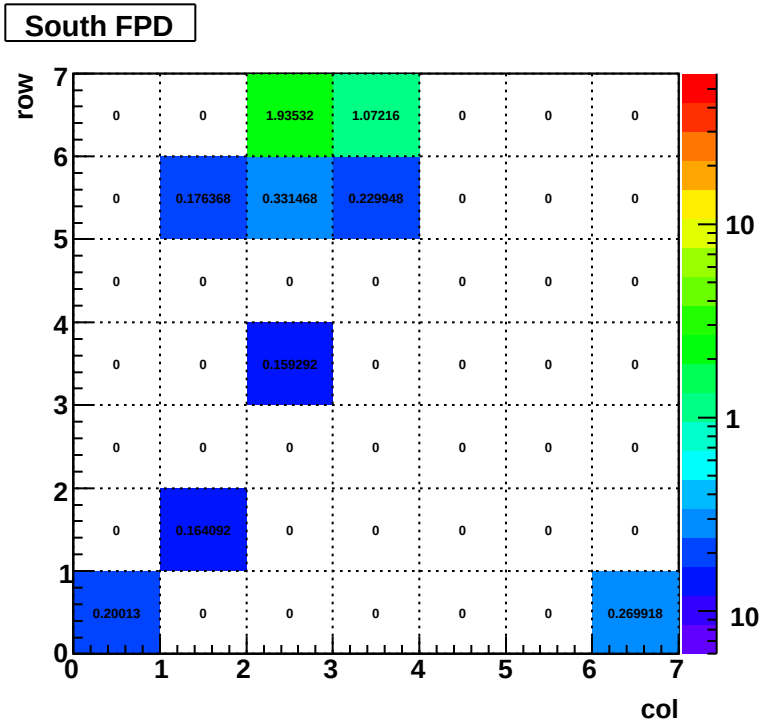
(2) Energy=11.305472 Y=-3.706848 Phi=2.826991

M12=0.533 Y12=-3.558 Phi12=-3.131 E12=56.529

SumN(-) = 116 SumN(+)= 182 AN/.6=0.369







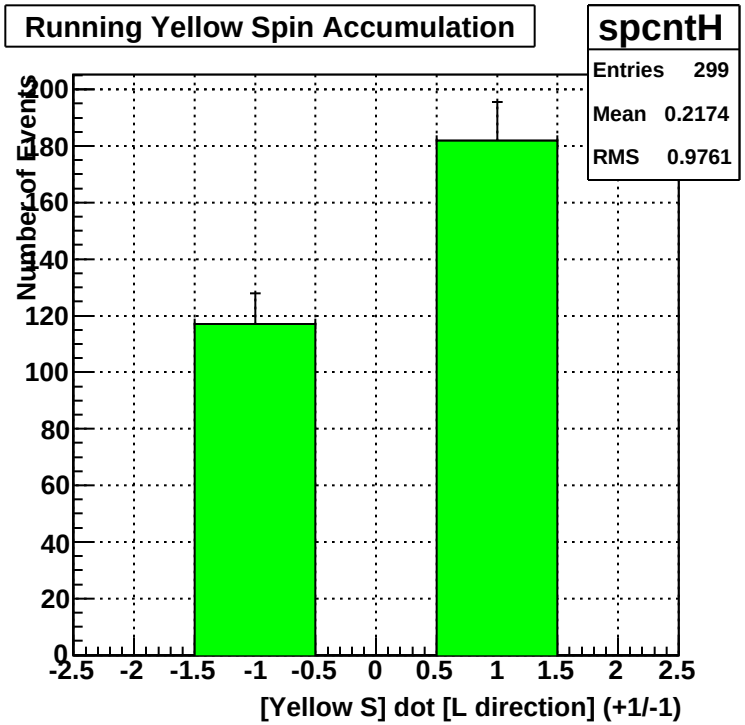
299) Rnum=7121015 EventN=2100099 (3 Yu-S[-])

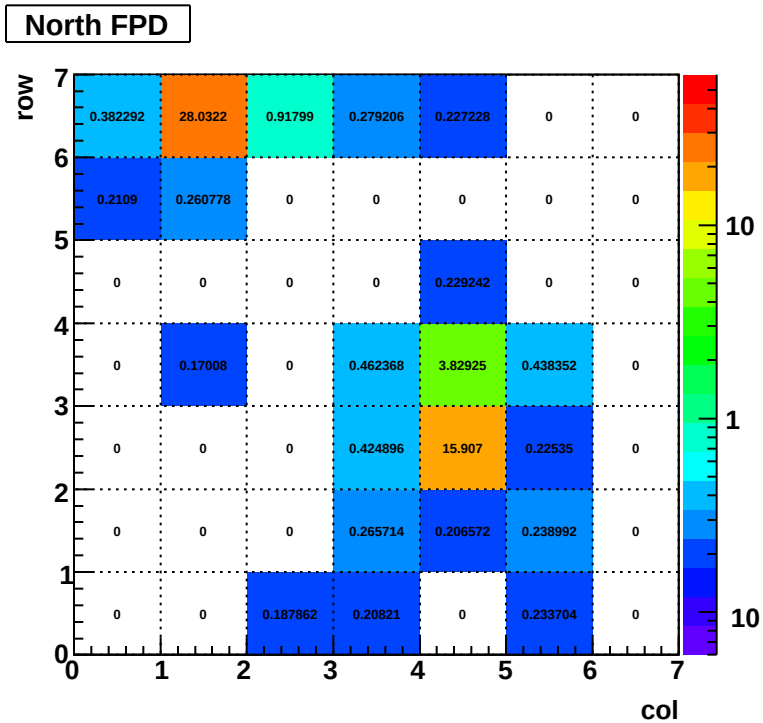
(1) Energy=33.781071 Y=-3.744641 Phi=-2.842552

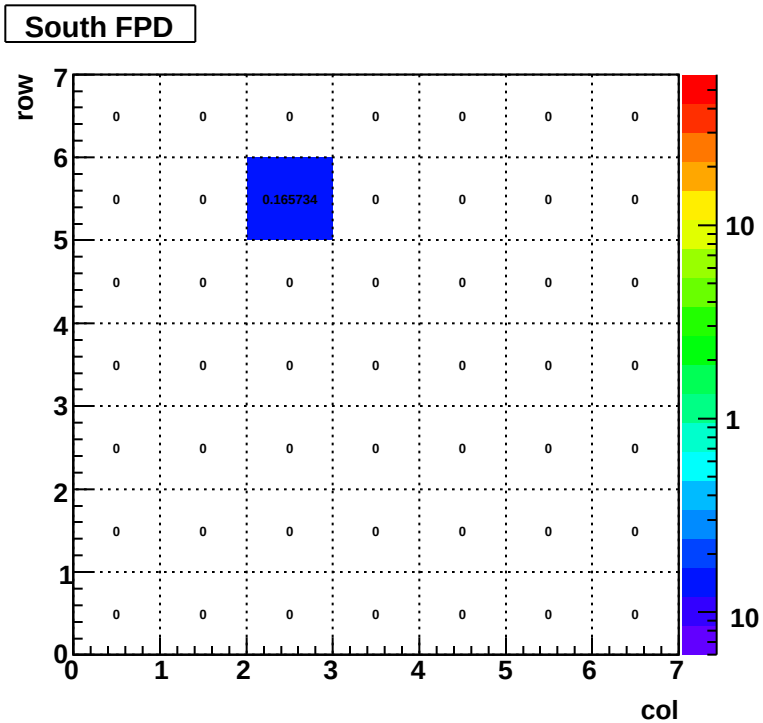
(2) Energy=22.632927 Y=-3.522487 Phi=3.077822

M12=0.619 Y12=-3.666 Phi12=-3.008 E12=56.414

SumN(-) = 117 SumN(+)= 182 AN/.6=0.362







Fri Nov 6 00:55:44 2009