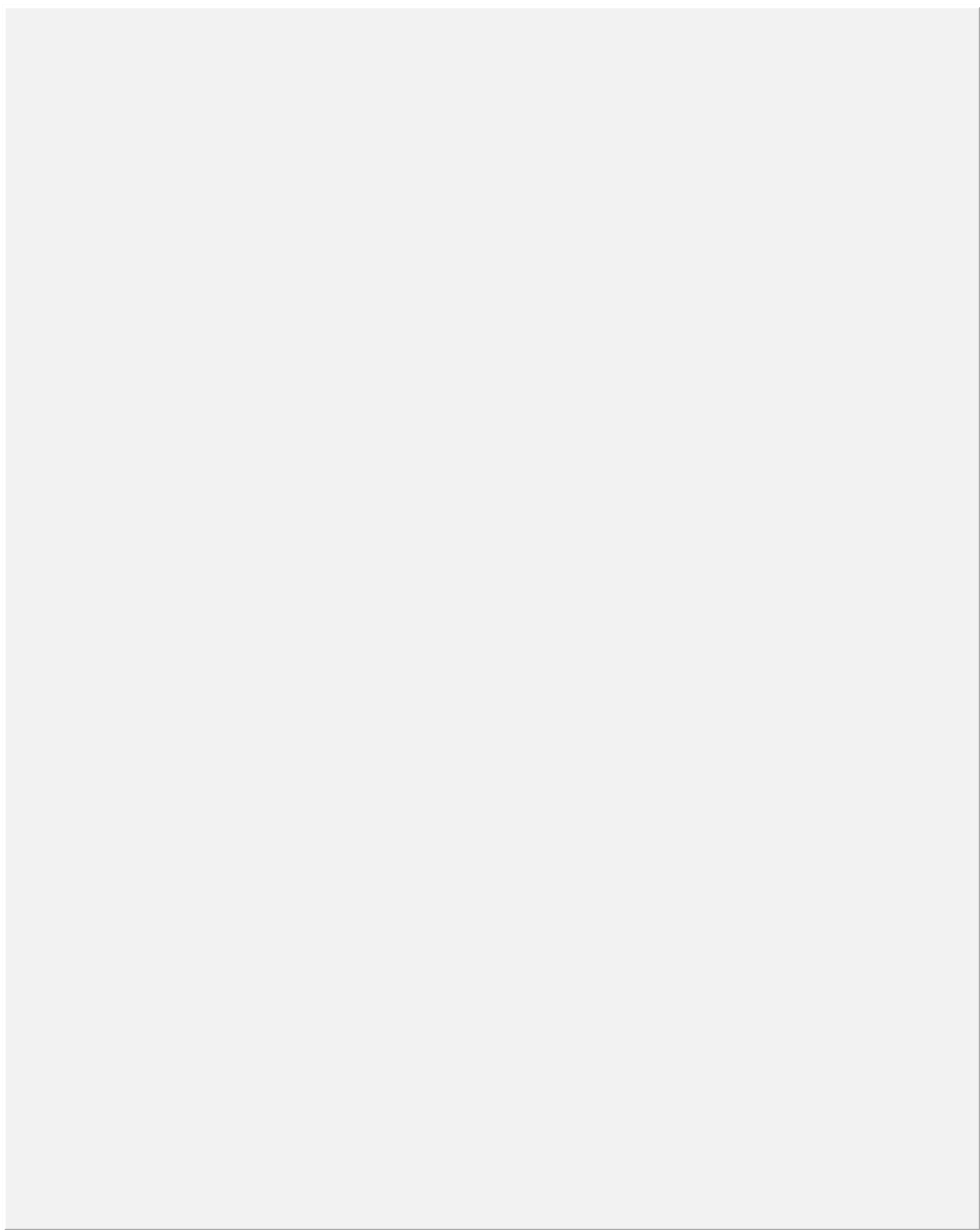
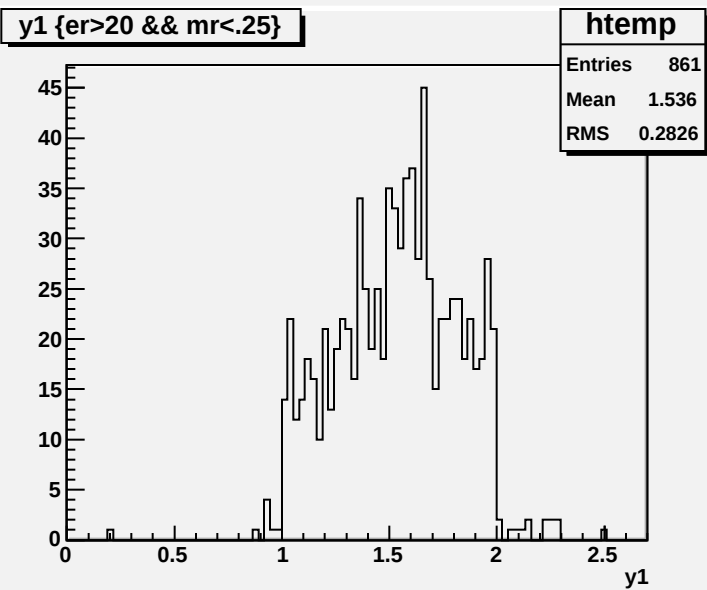
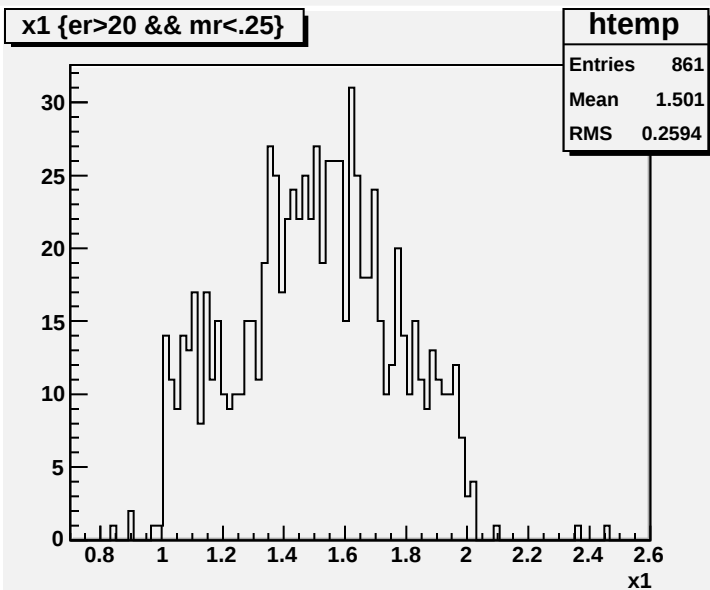
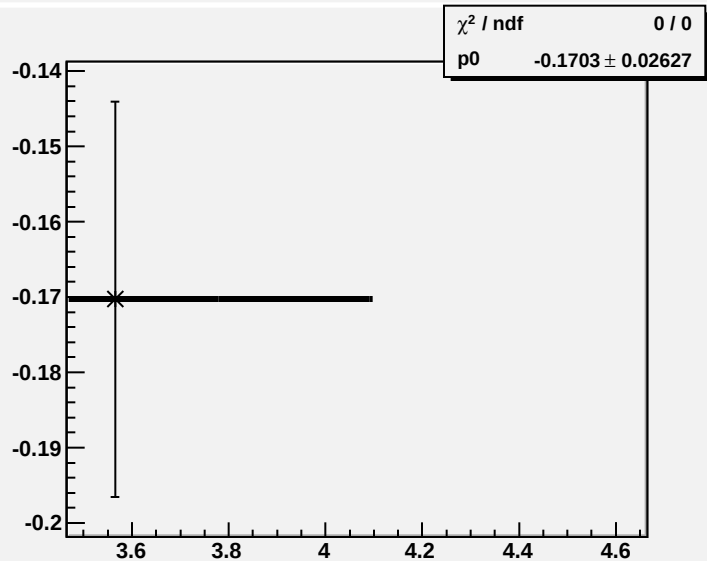
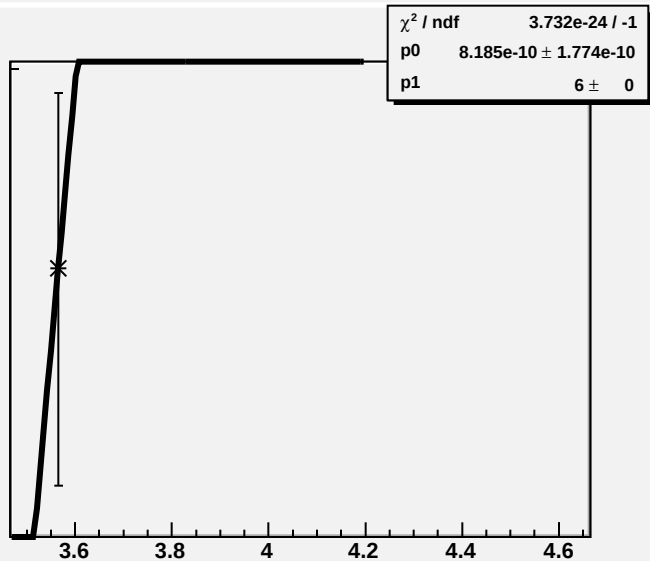
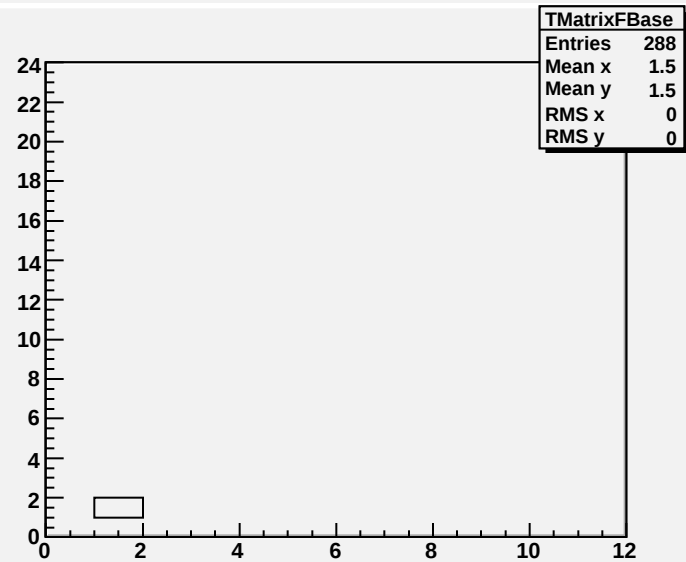
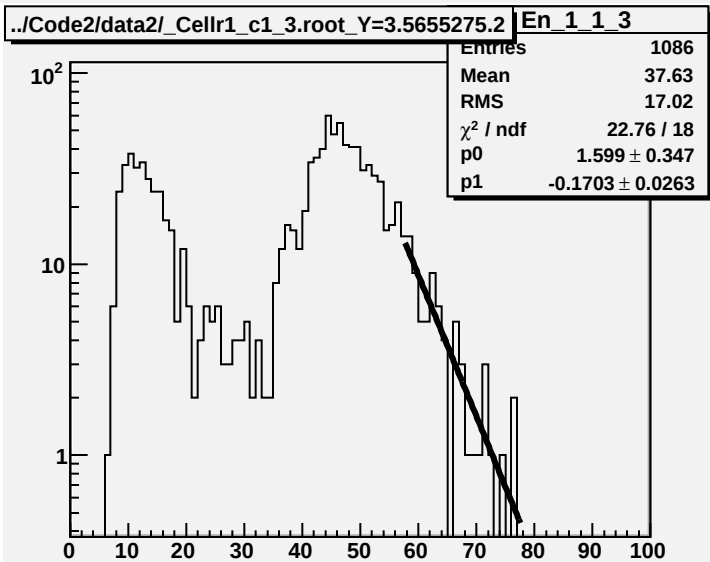
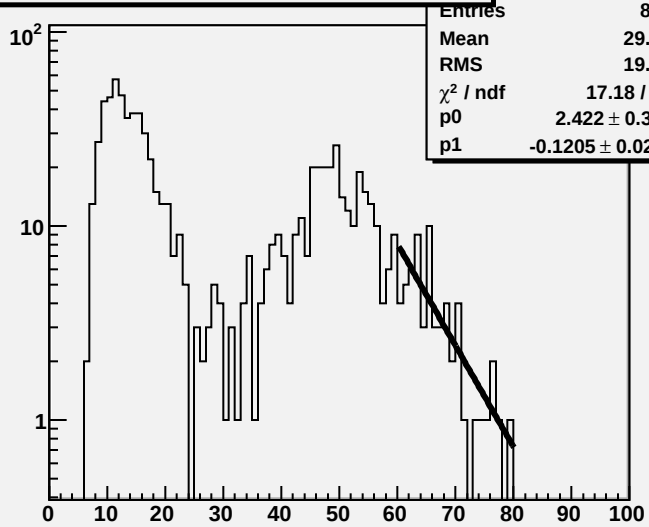


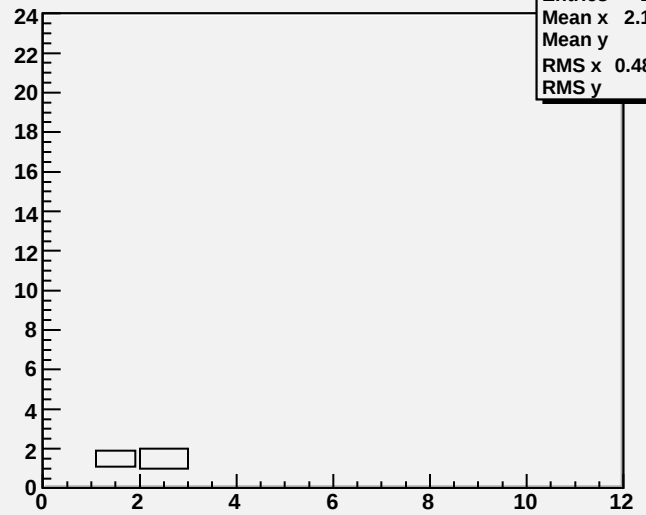




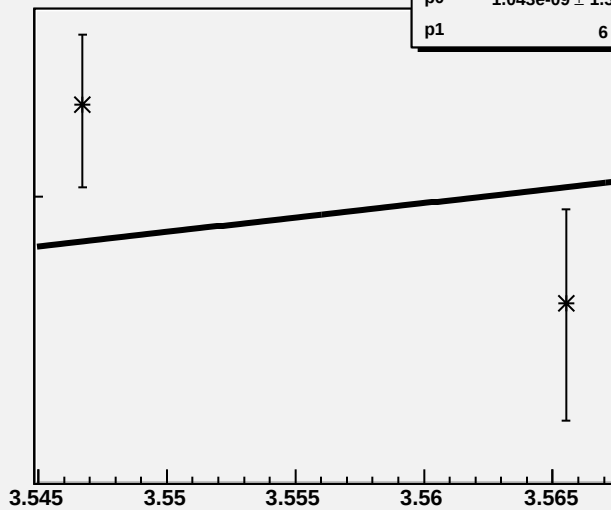
../Code2/data2/_Cellr1_c2_3.root_Y=3.5467125.2 En 1 2 3



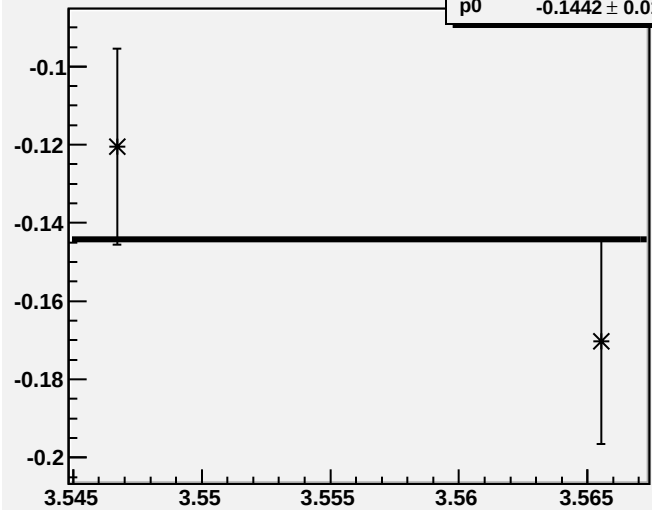
TMatrixFBase
Entries 288
Mean x 2.102
Mean y 1.5
RMS x 0.4894
RMS y 0



χ^2 / ndf 4.066 / 1
p0 $1.043\text{e-}09 \pm 1.38\text{e-}10$
p1 6 ± 0

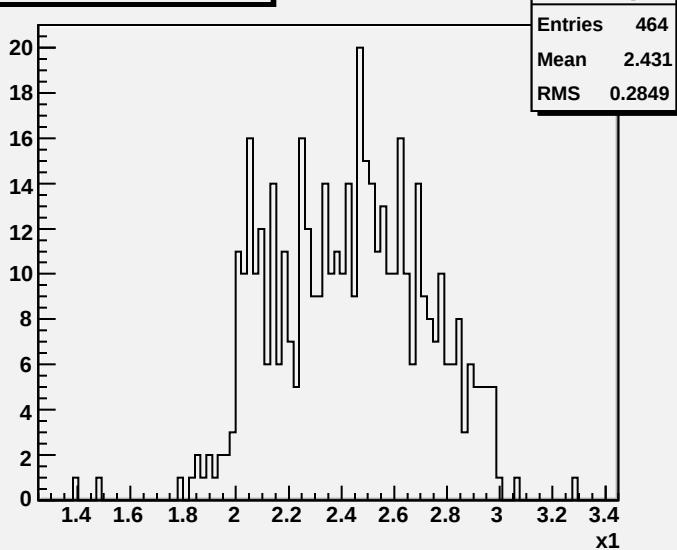


χ^2 / ndf 1.881 / 1
p0 -0.1442 ± 0.01815



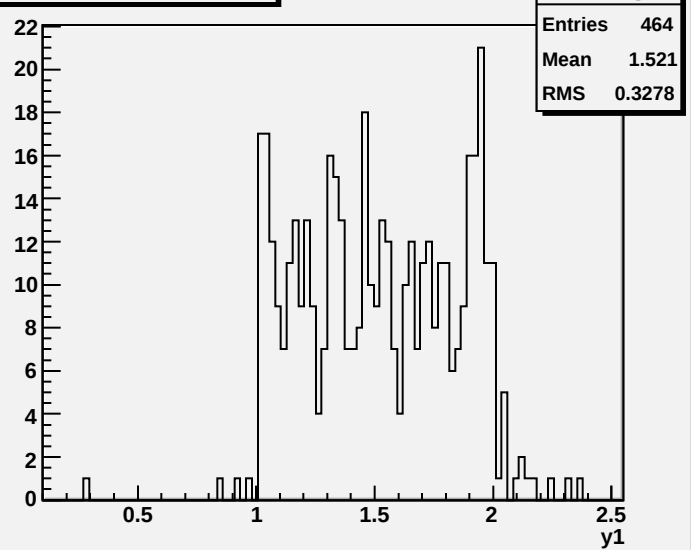
x1 {er>20 && mr<.25}

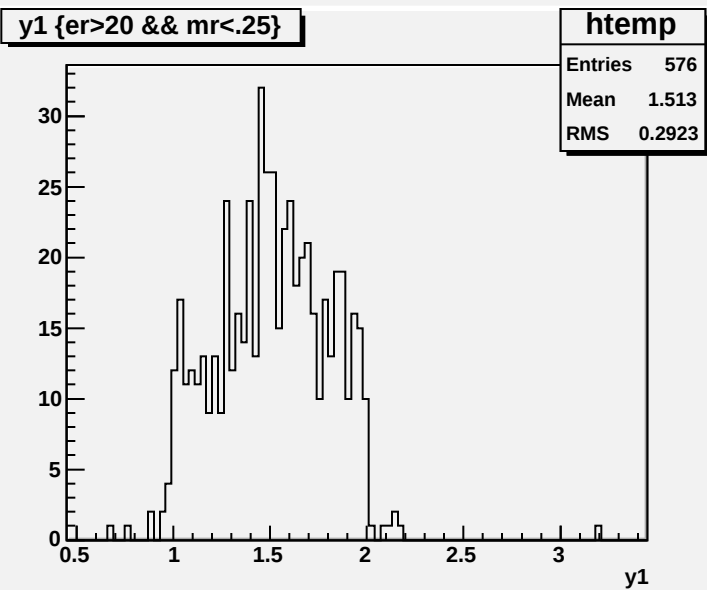
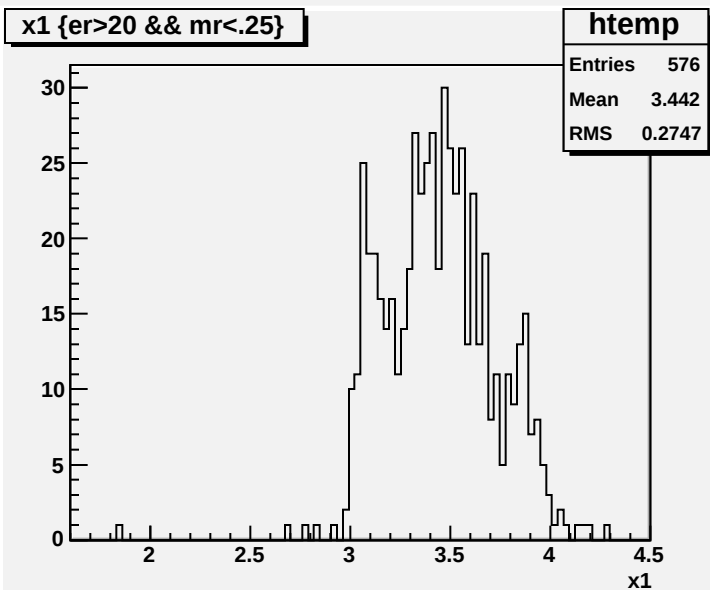
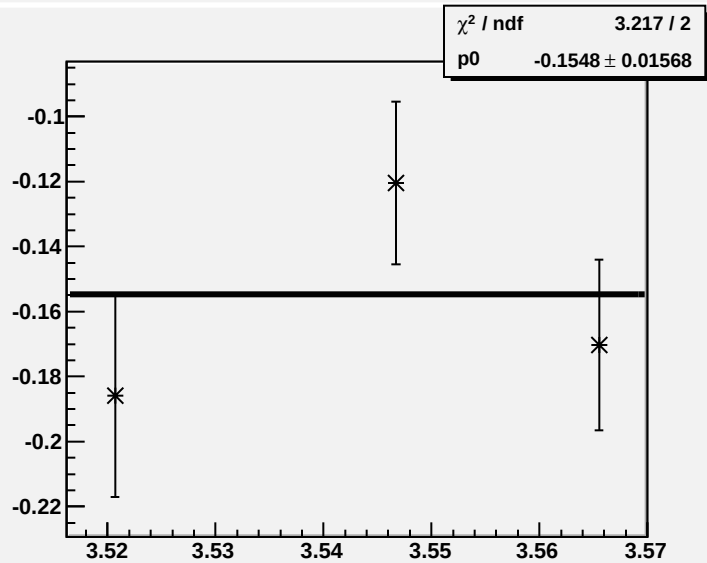
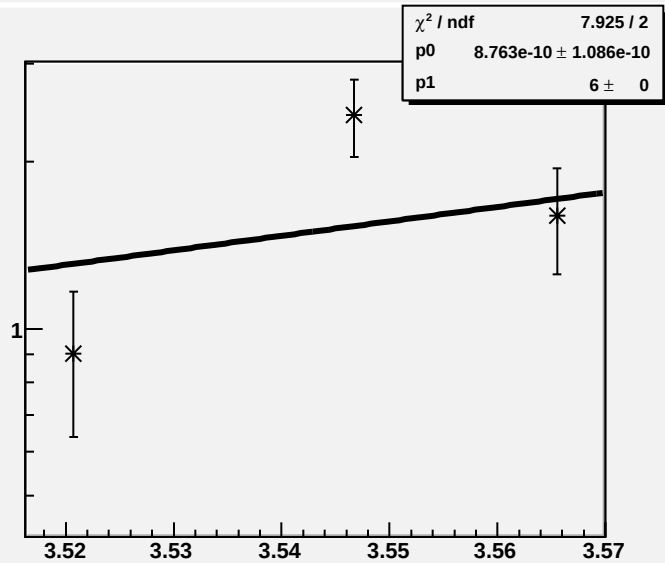
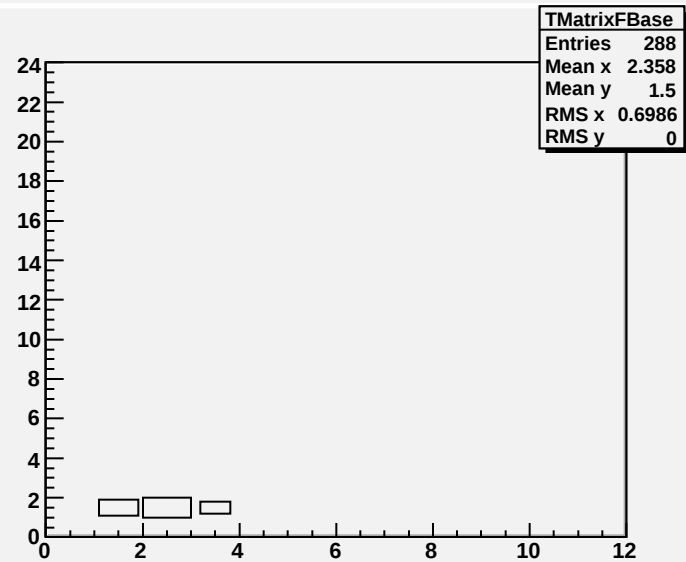
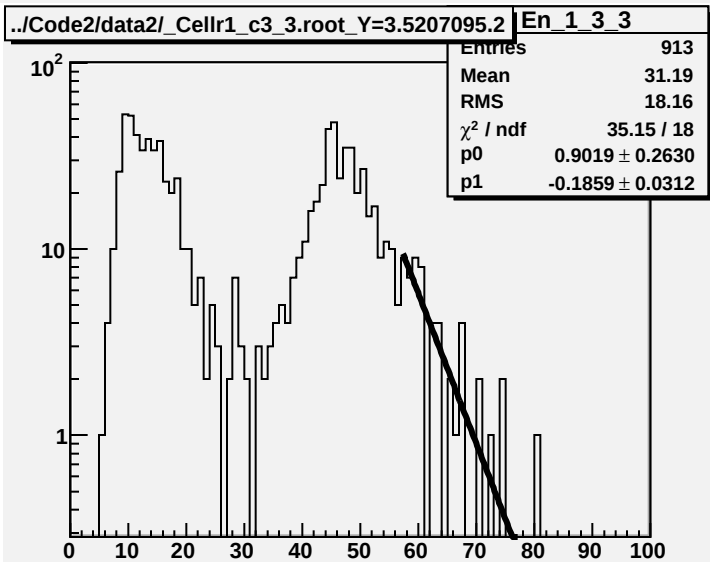
htemp



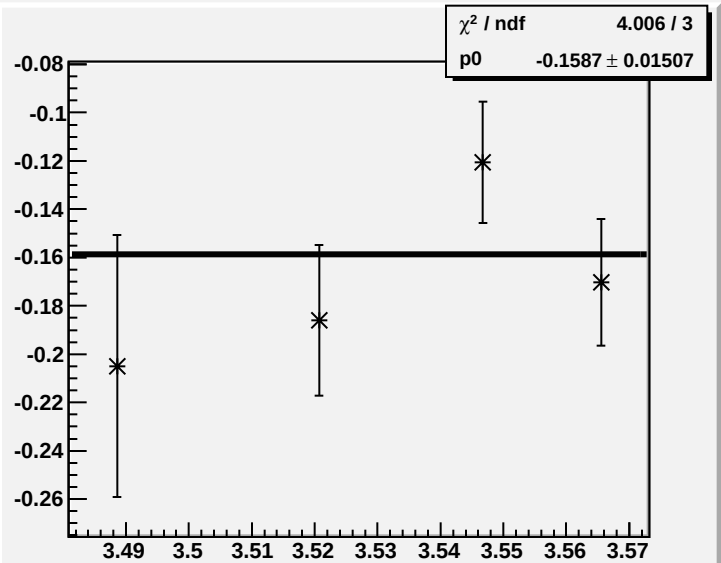
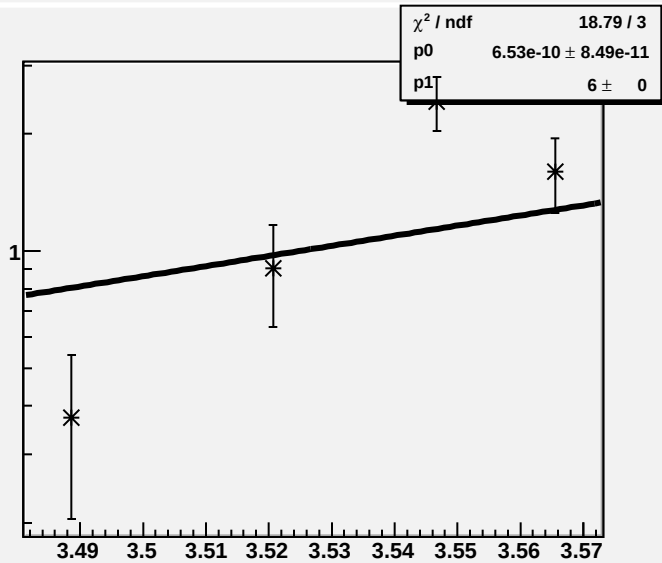
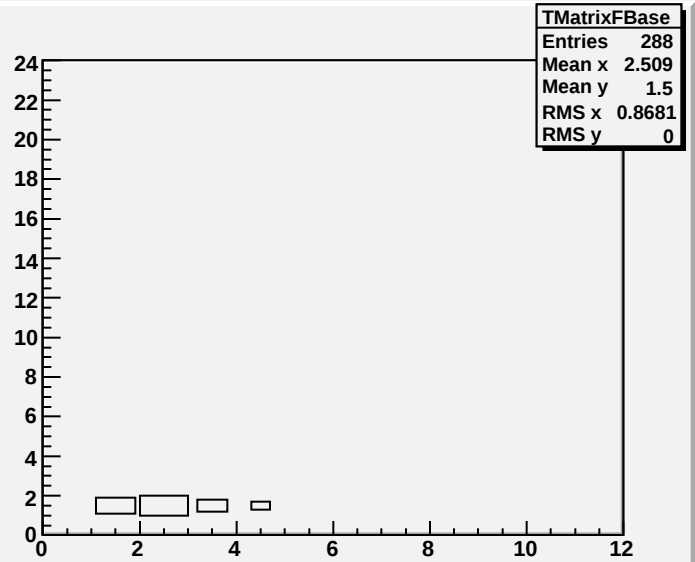
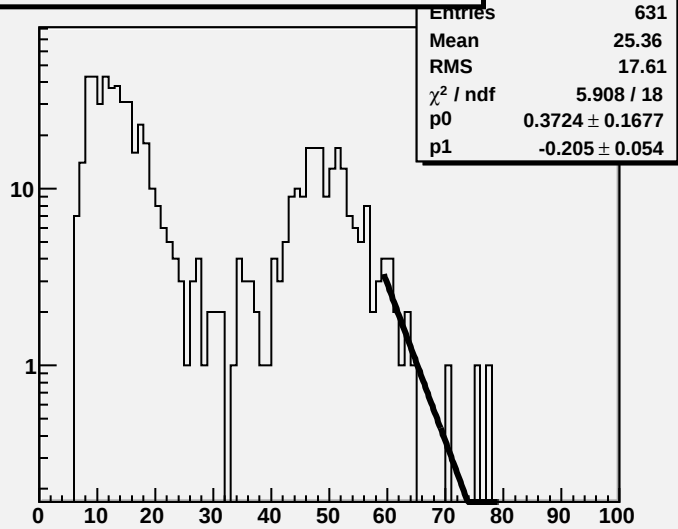
y1 {er>20 && mr<.25}

htemp

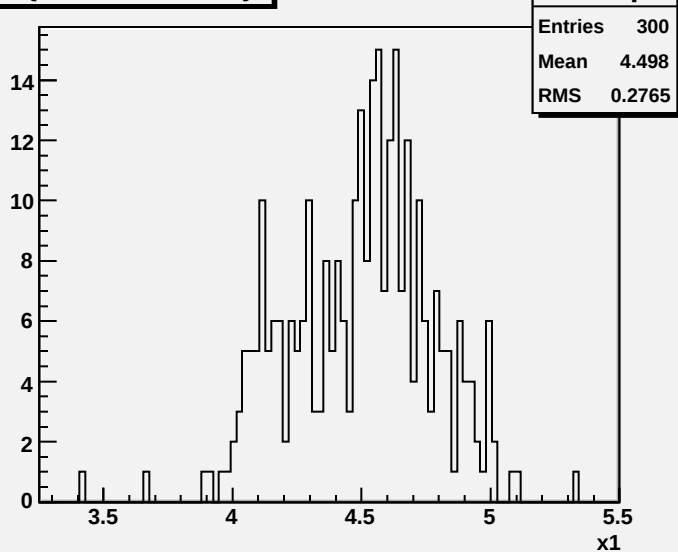




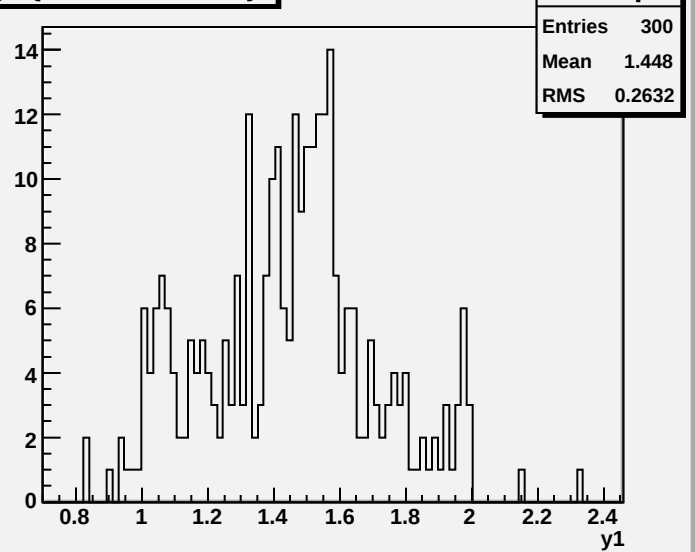
../Code2/data2/_Cellr1_c4_3.root_Y=3.4886165.2 En 1 4 3



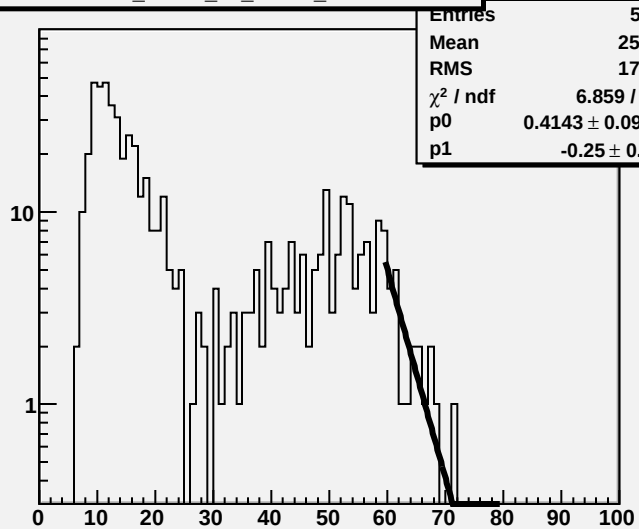
x1 {er>20 && mr<.25}



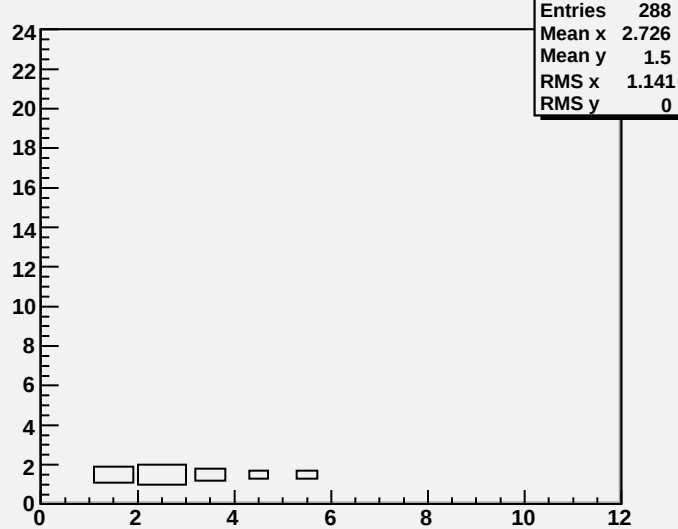
y1 {er>20 && mr<.25}



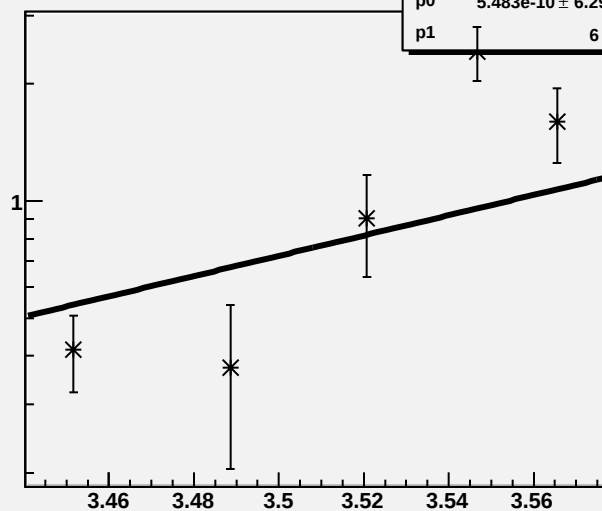
../Code2/data2/_Cellr1_c5_3.root_Y=3.4516195.2 En 1 5 3



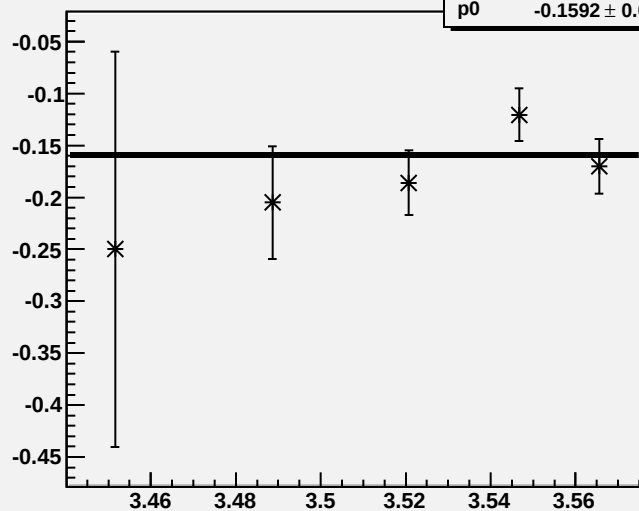
TMatrixFBase



χ^2 / ndf 22.18 / 4
p0 $5.483\text{e-}10 \pm 6.299\text{e-}11$
p1 6 ± 0

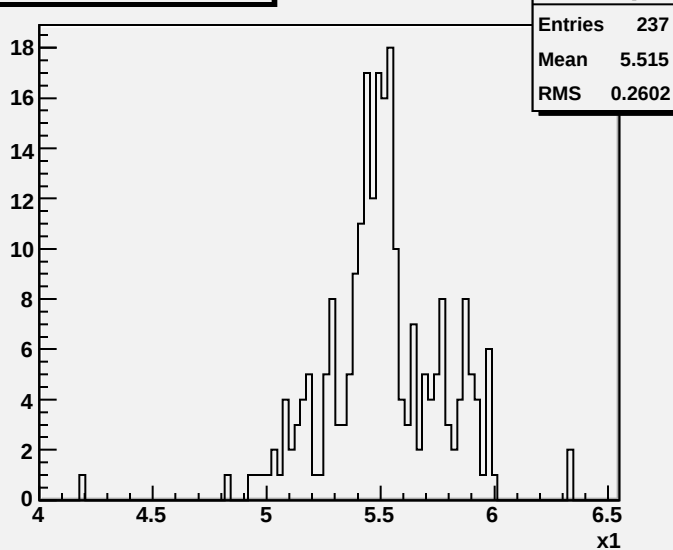


χ^2 / ndf 4.235 / 4
p0 -0.1592 ± 0.01502



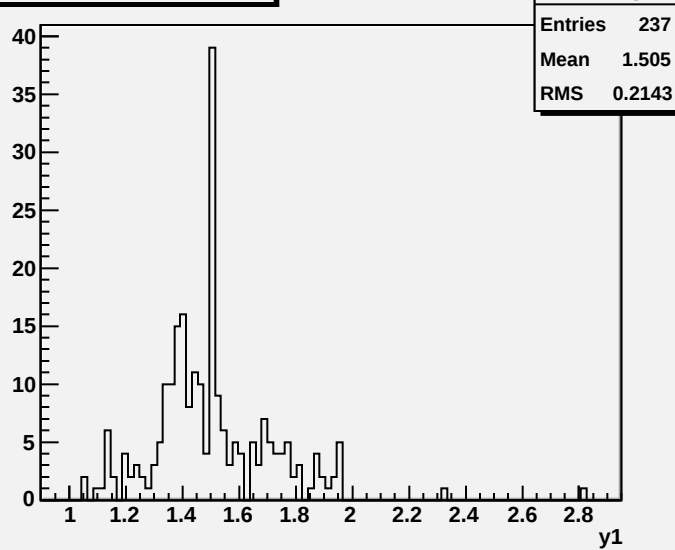
x1 {er>20 && mr<.25}

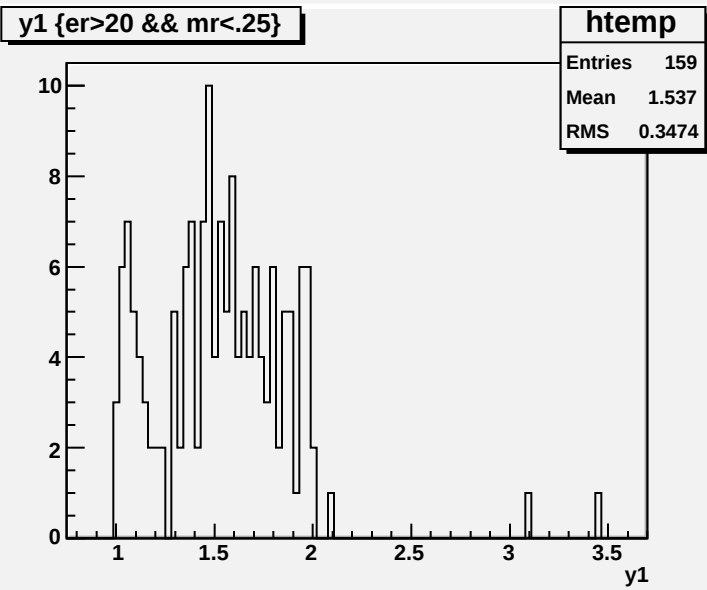
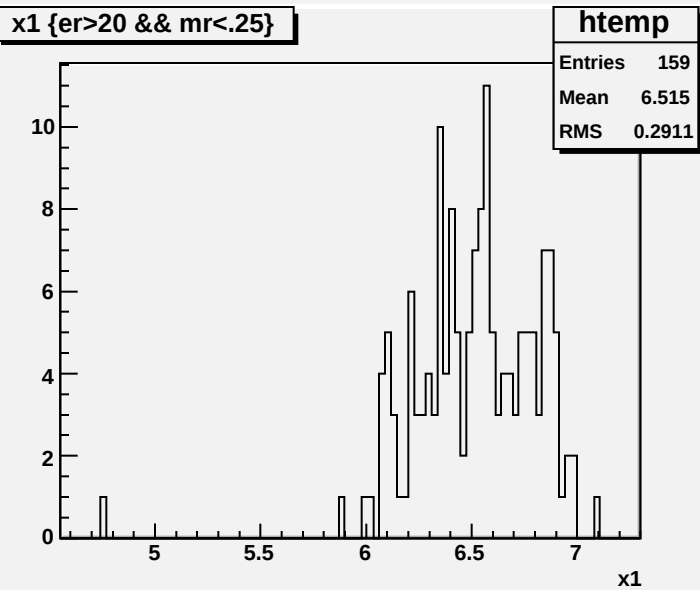
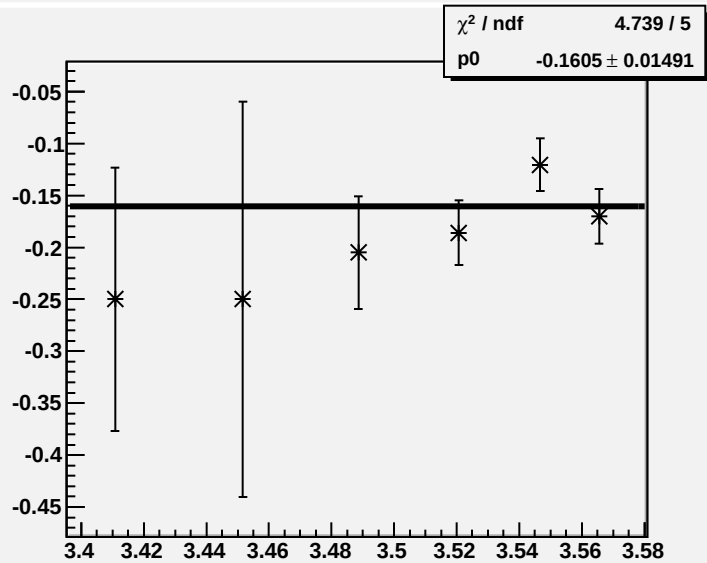
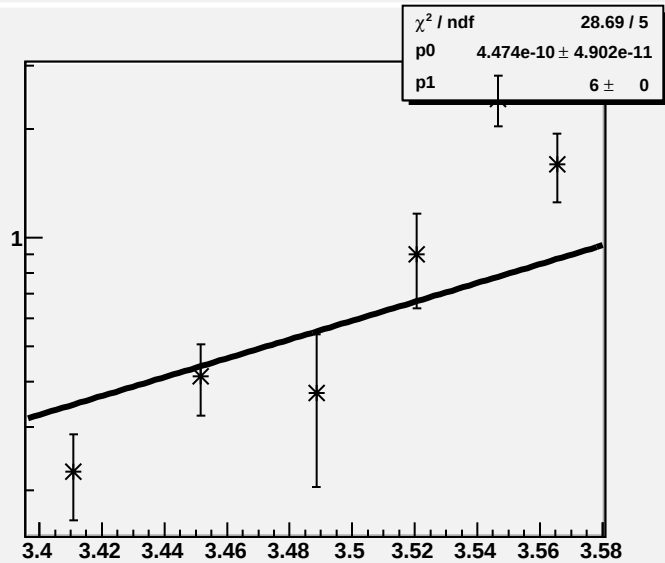
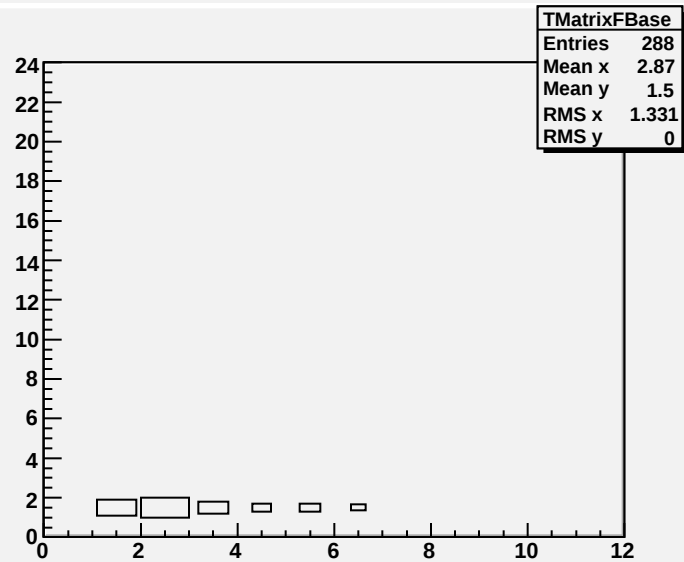
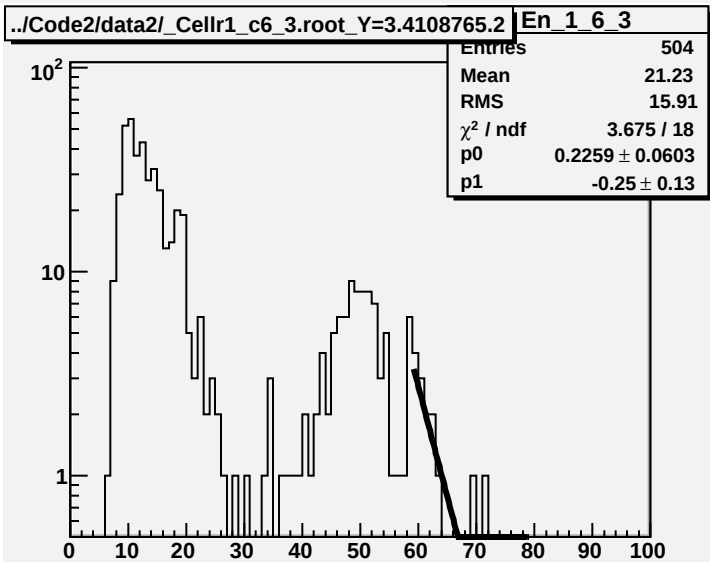
htemp



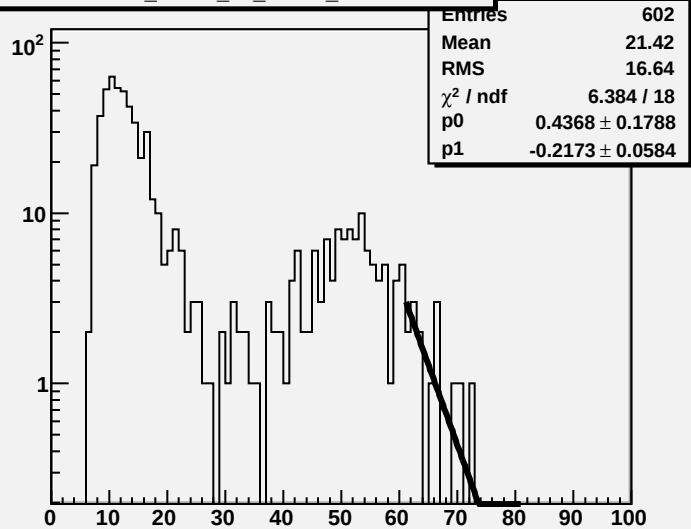
y1 {er>20 && mr<.25}

htemp

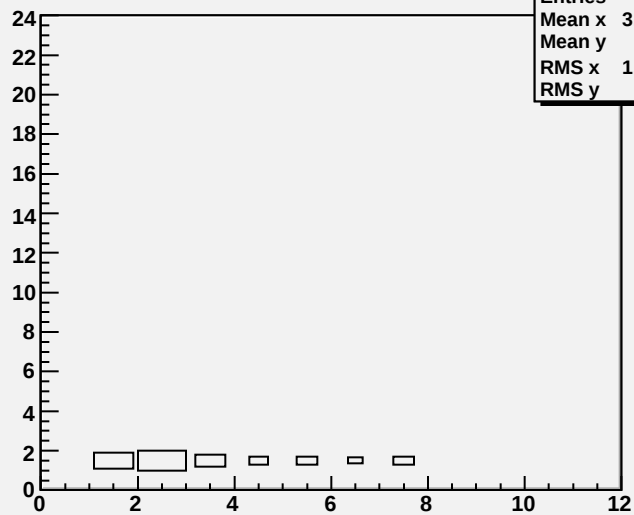




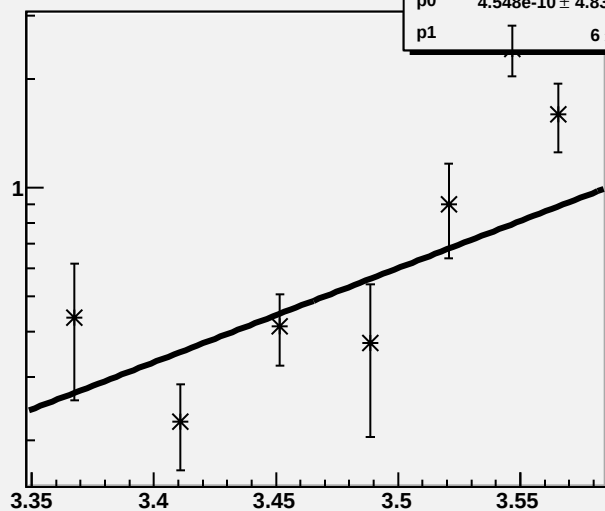
../Code2/data2/_Cellr1_c7_3.root_Y=3.3674415.2 En 1 7 3



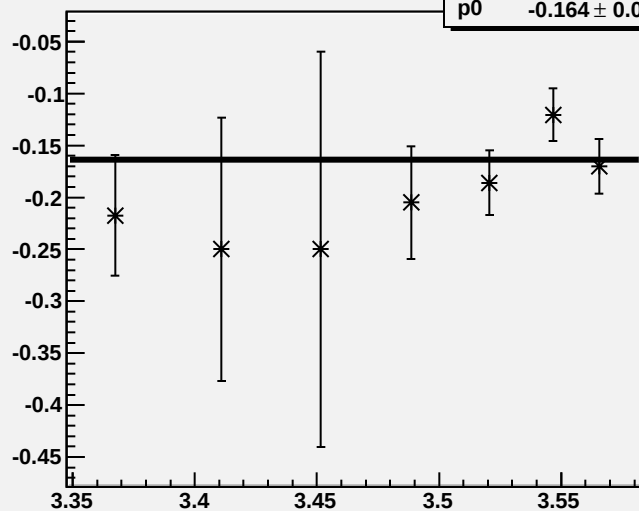
TMatrixFBase
Entries 288
Mean x 3.187
Mean y 1.5
RMS x 1.738
RMS y 0



χ^2 / ndf 29.57 / 6
p0 4.548e-10 $\pm$ 4.838e-11
p1 6 $\pm$ 0



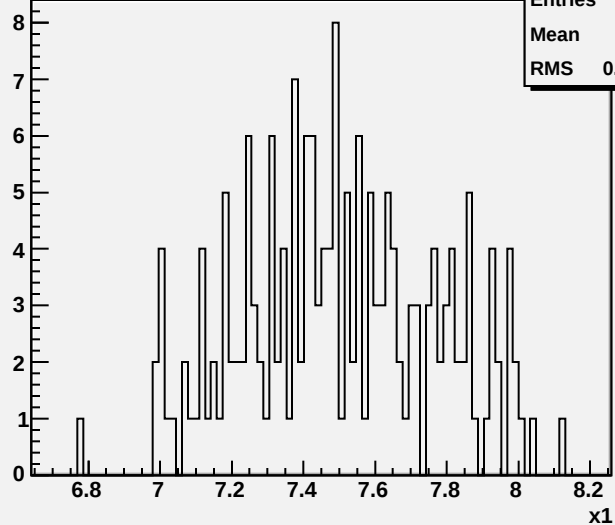
χ^2 / ndf 5.629 / 6
p0 -0.164 $\pm$ 0.01445



x1 {er>20 && mr<.25}

htemp

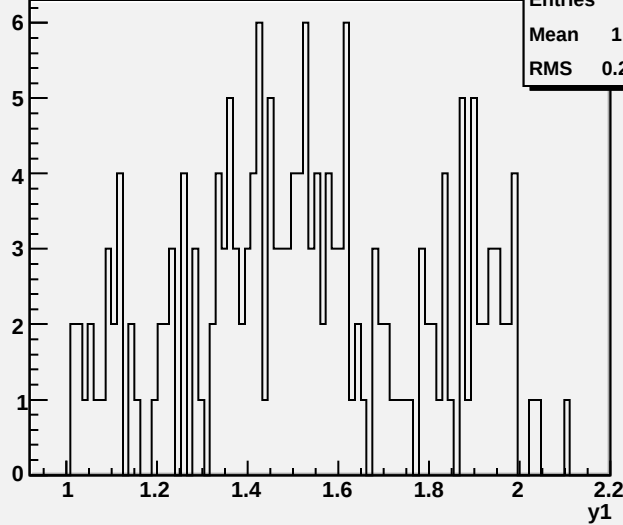
Entries 183
Mean 7.501
RMS 0.2708

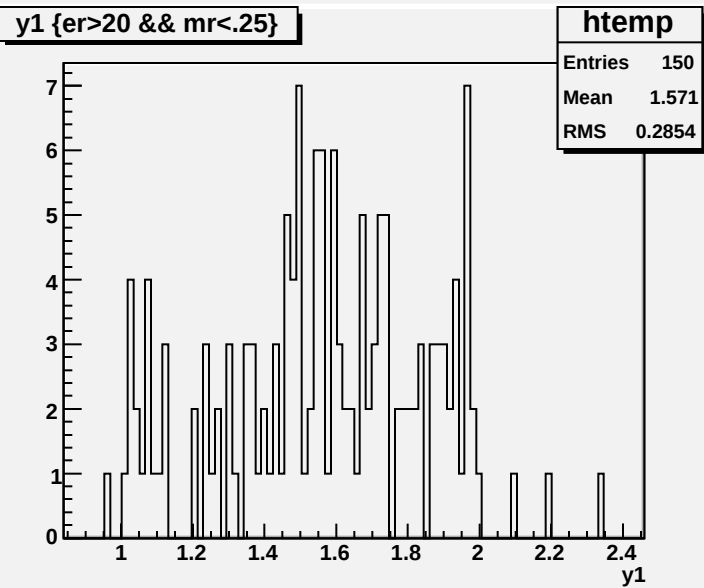
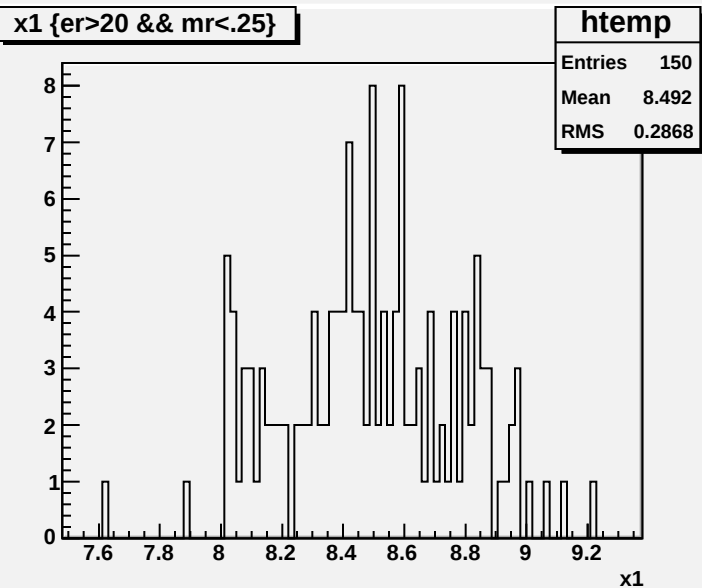
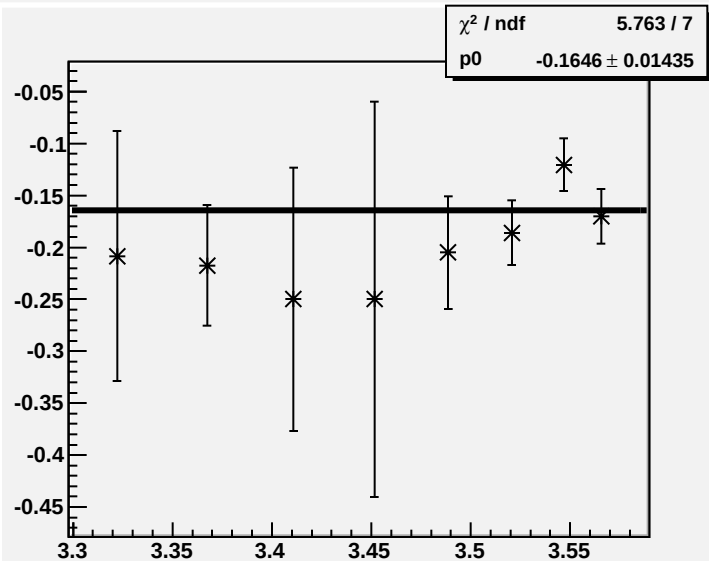
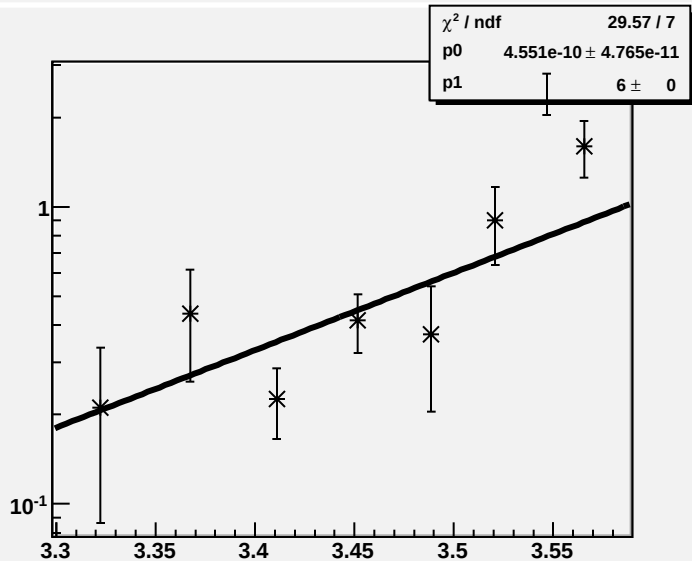
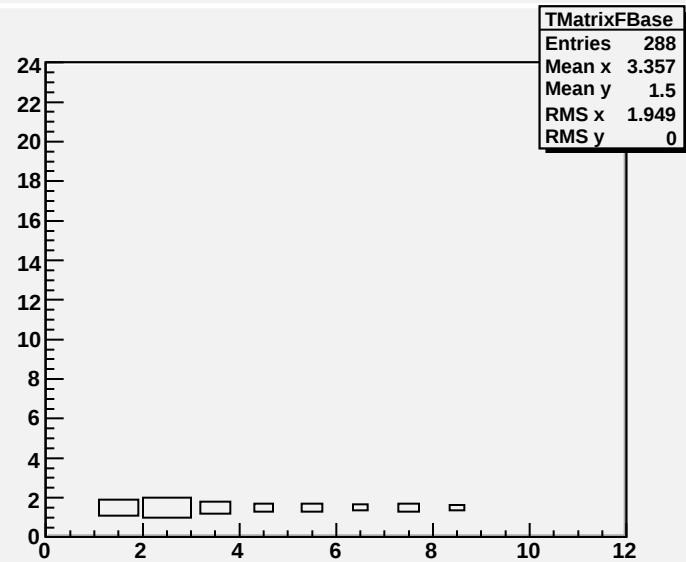
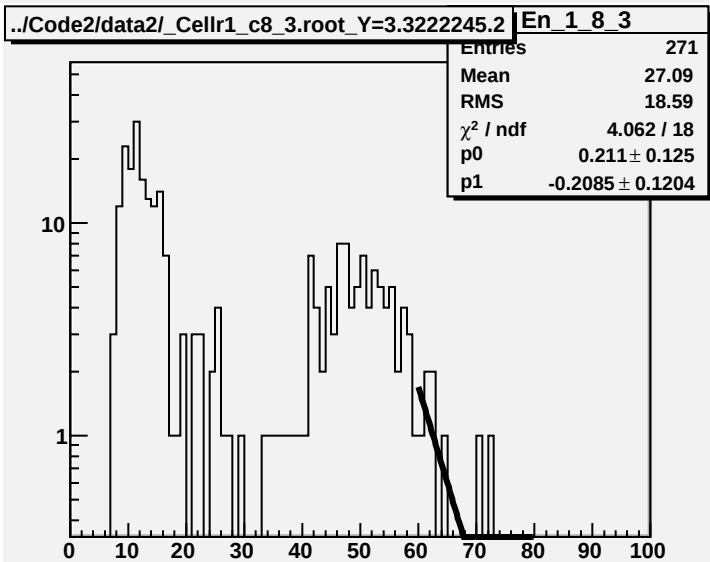


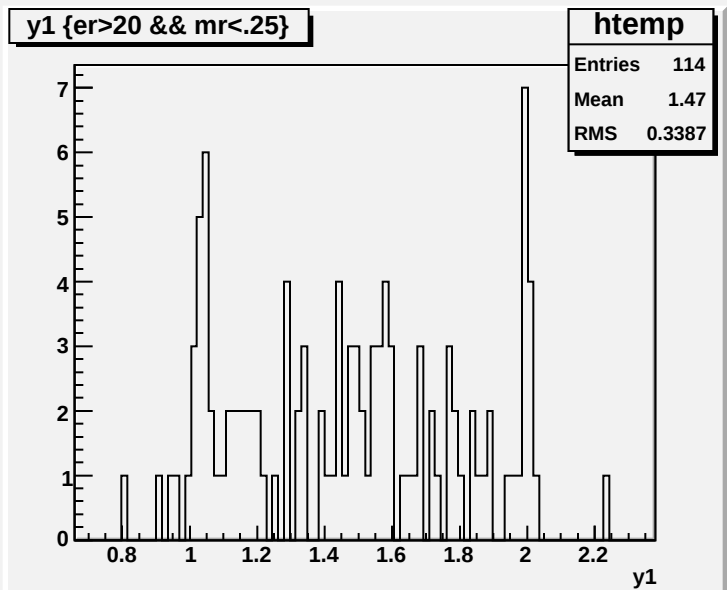
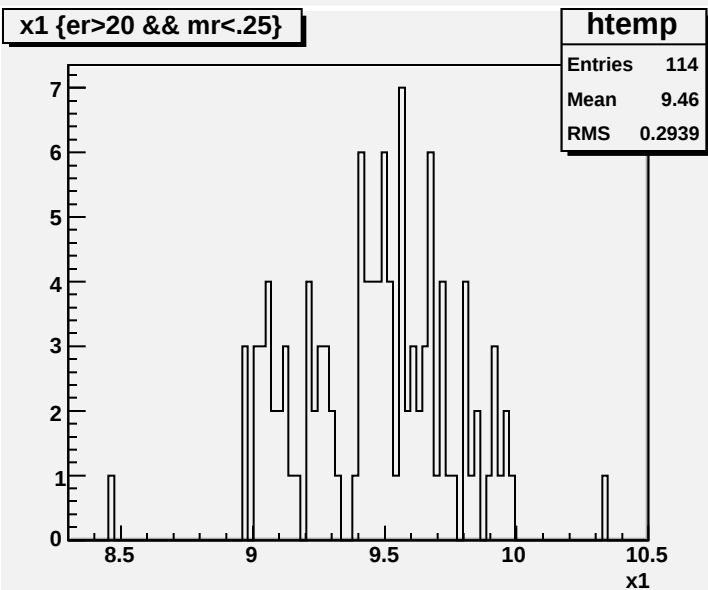
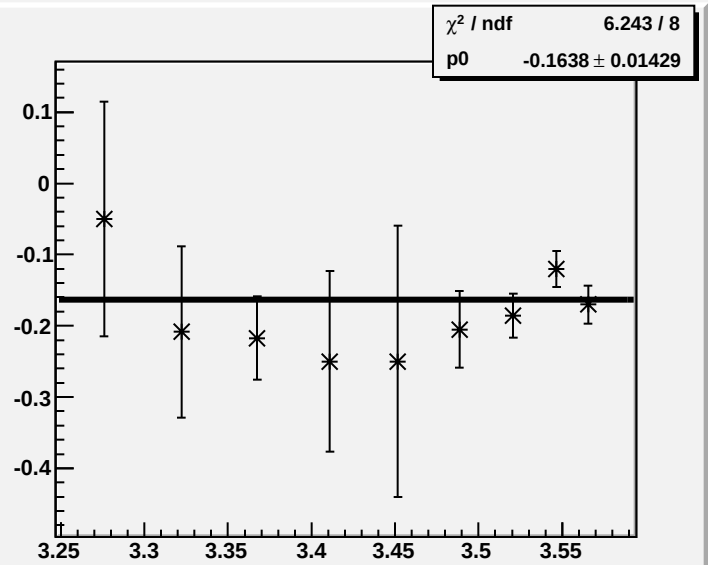
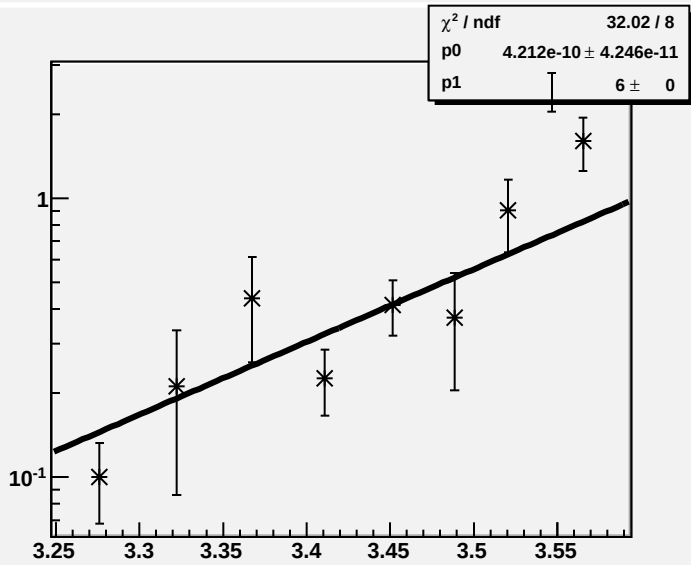
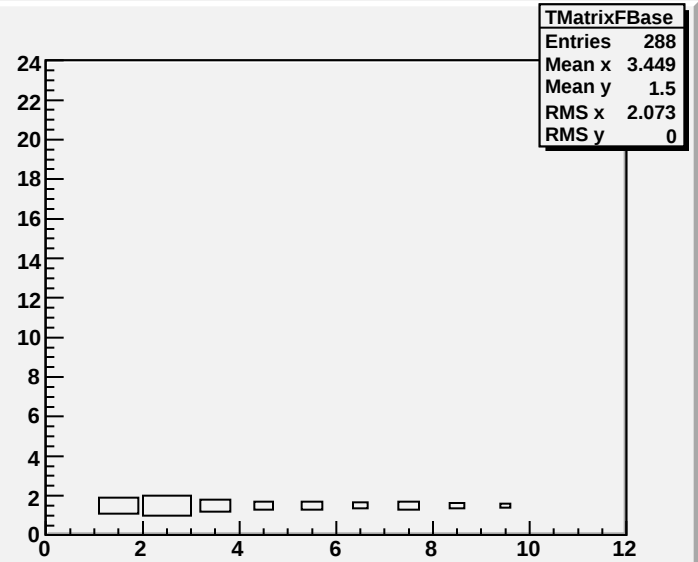
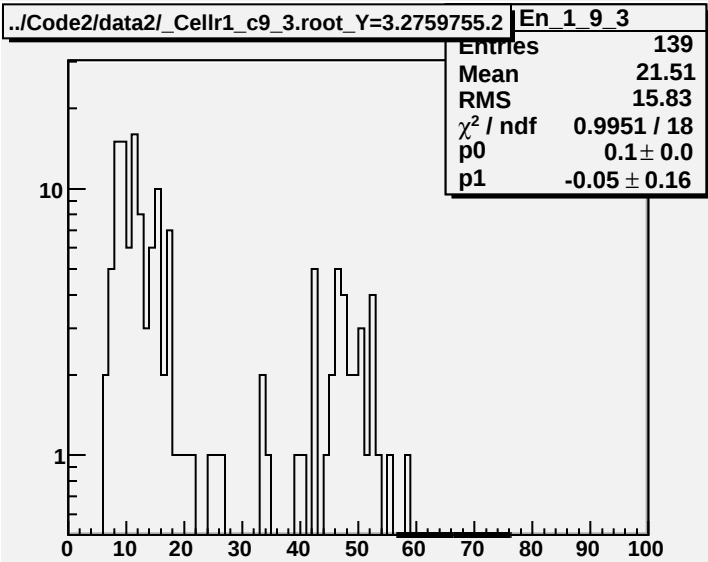
y1 {er>20 && mr<.25}

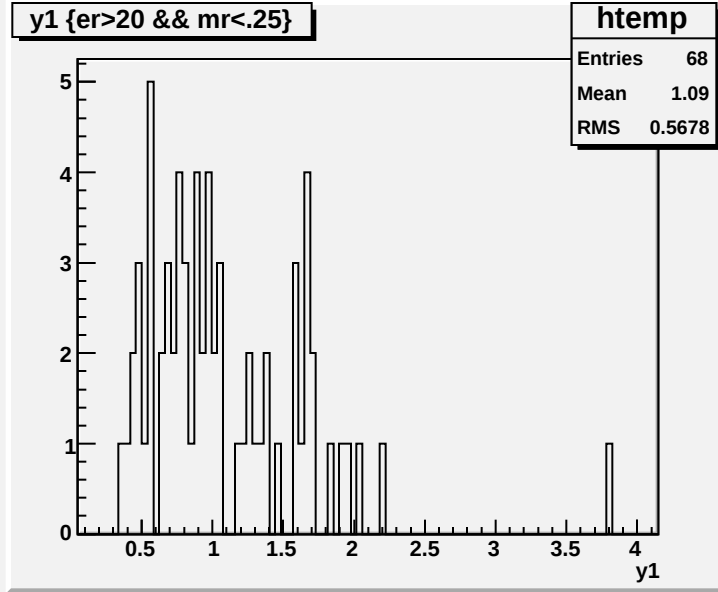
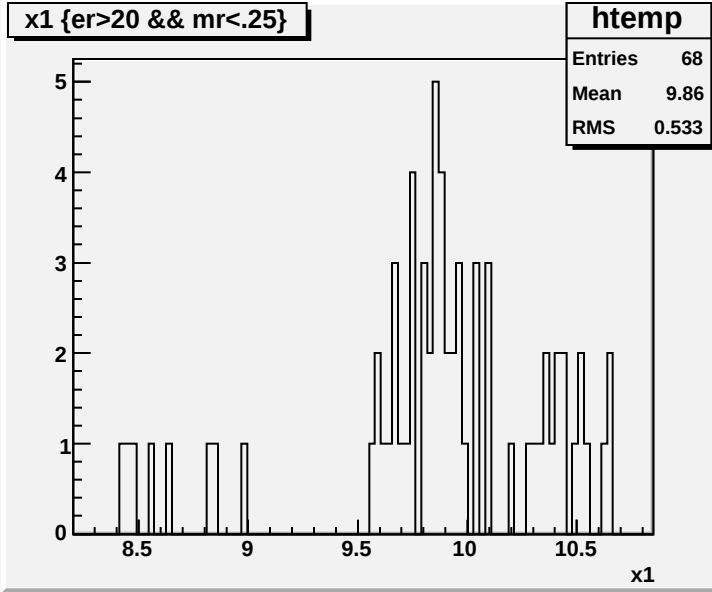
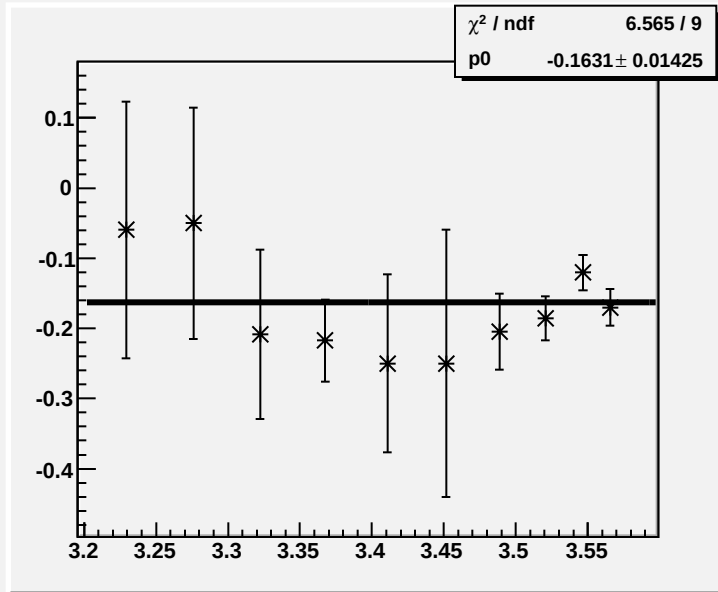
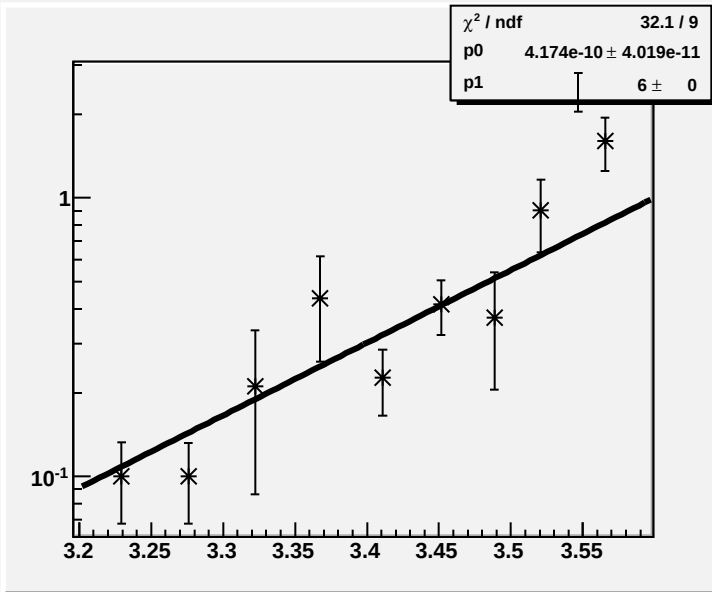
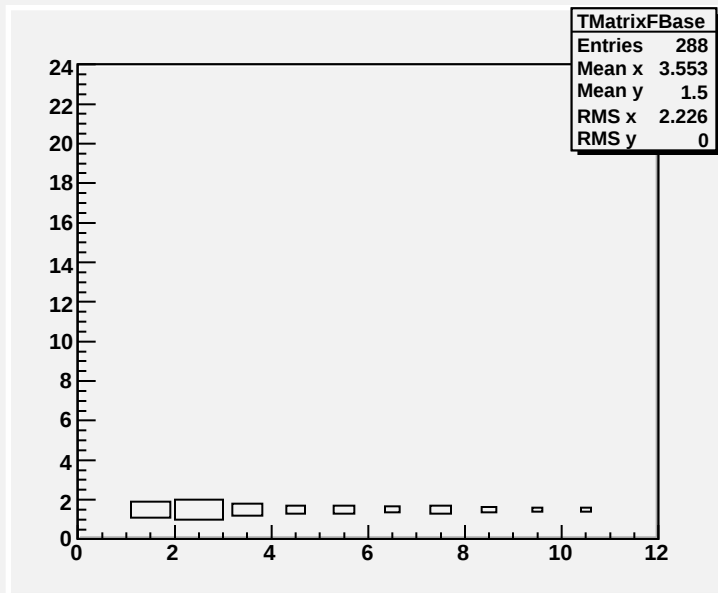
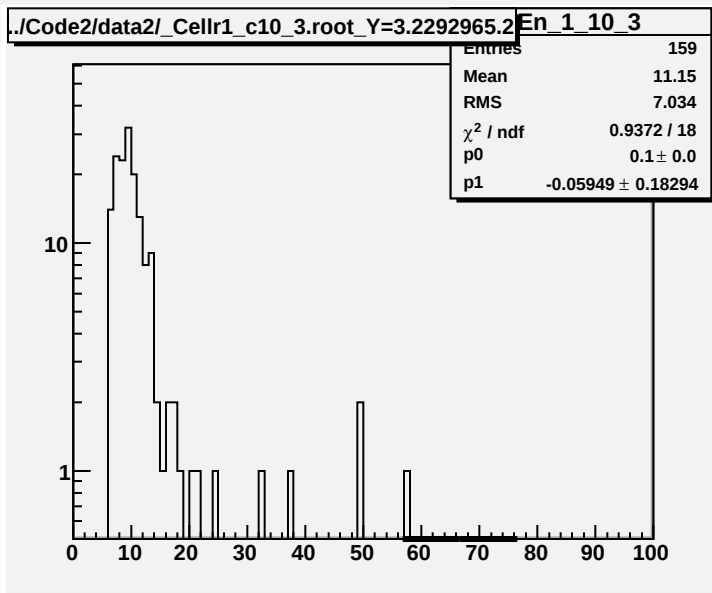
htemp

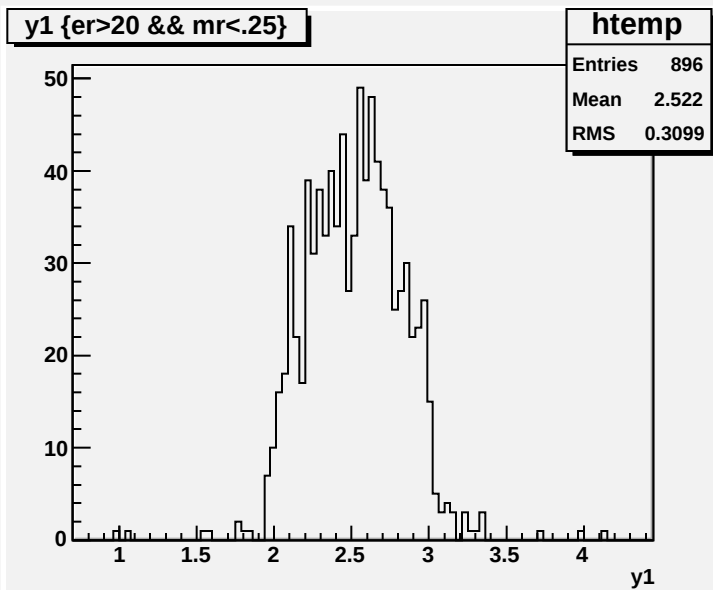
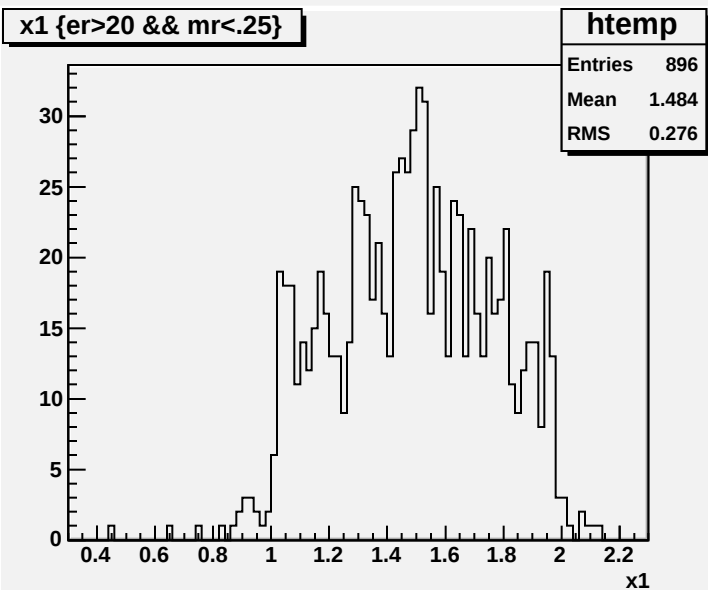
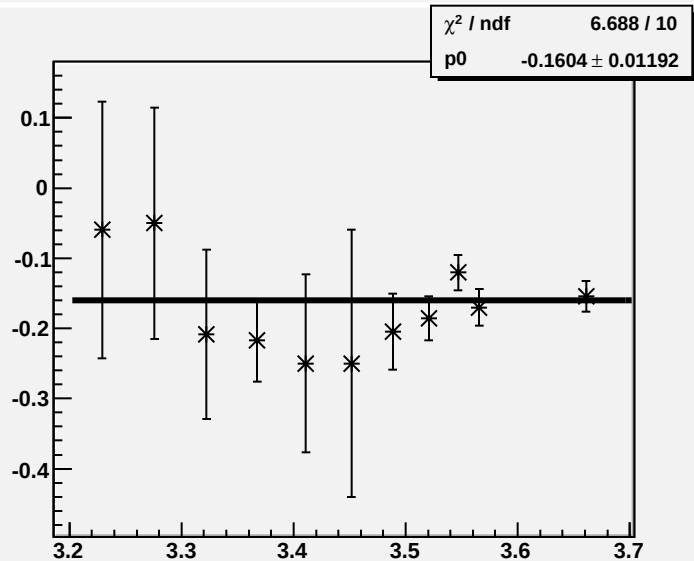
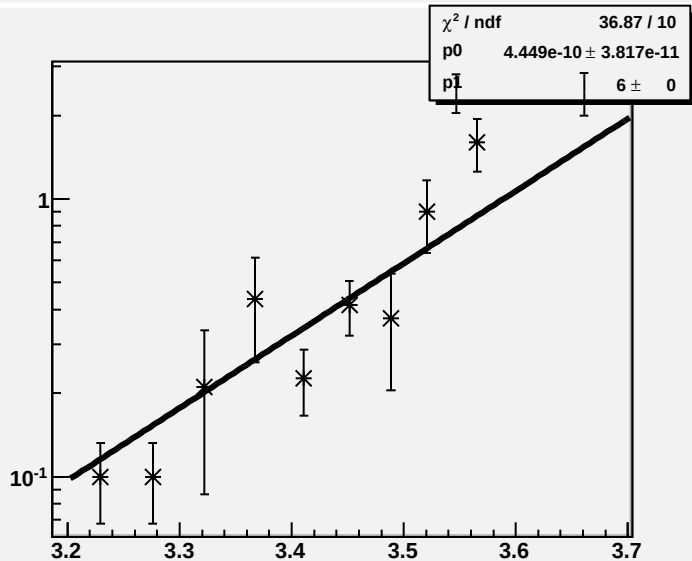
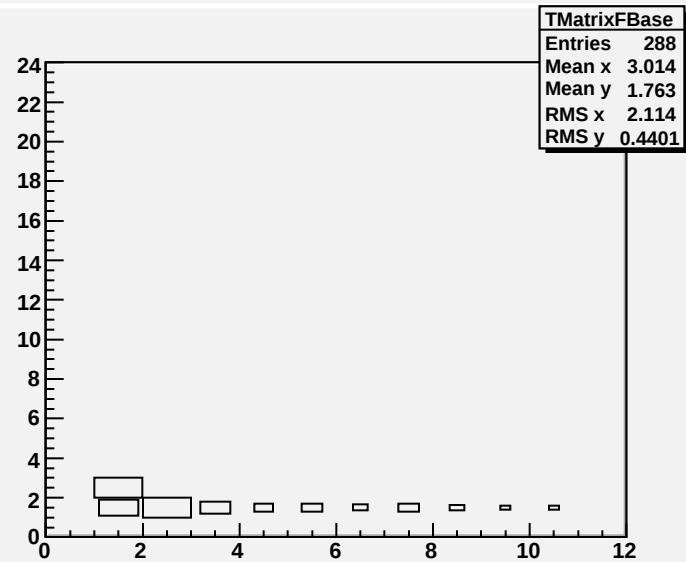
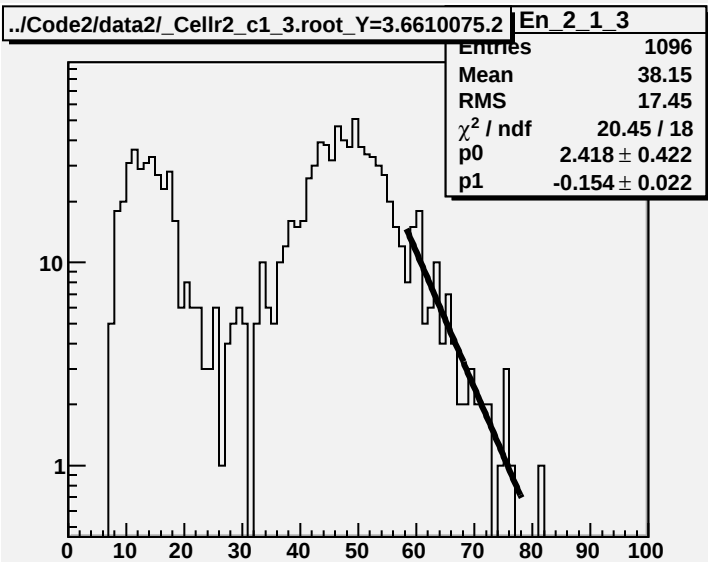
Entries 183
Mean 1.534
RMS 0.2706



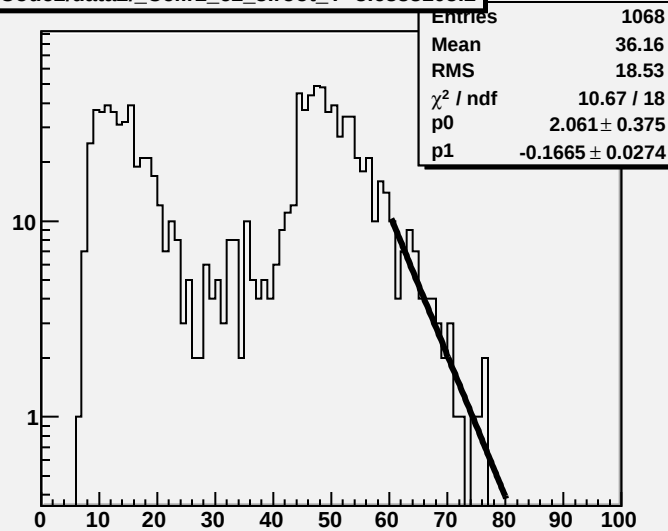




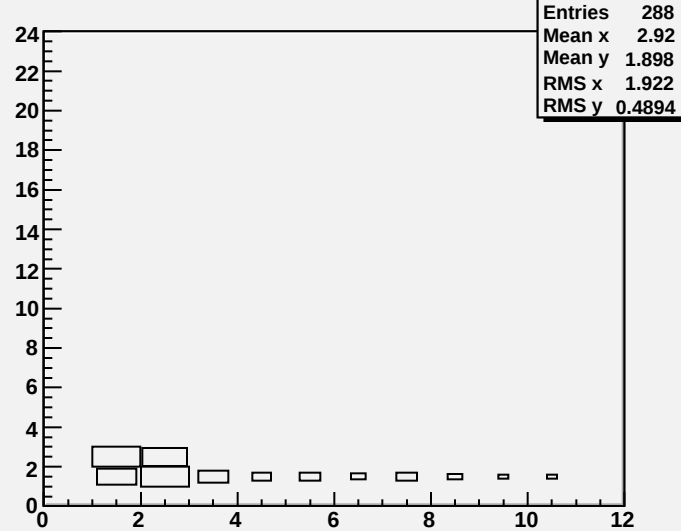




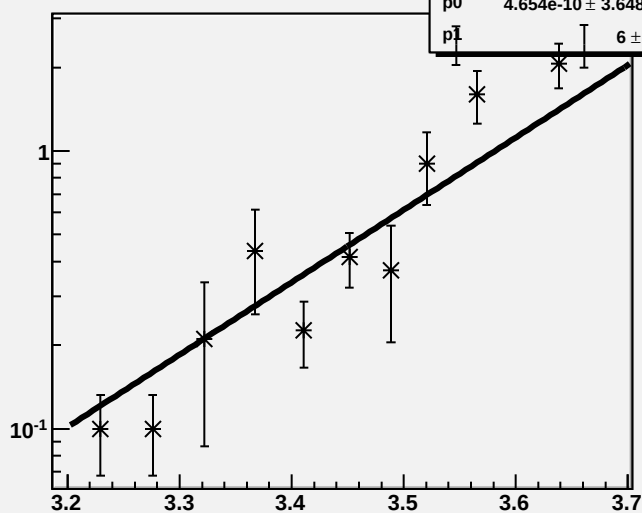
../Code2/data2/_Cellr2_c2_3.root_Y=3.6383105.2 En 2 2 3



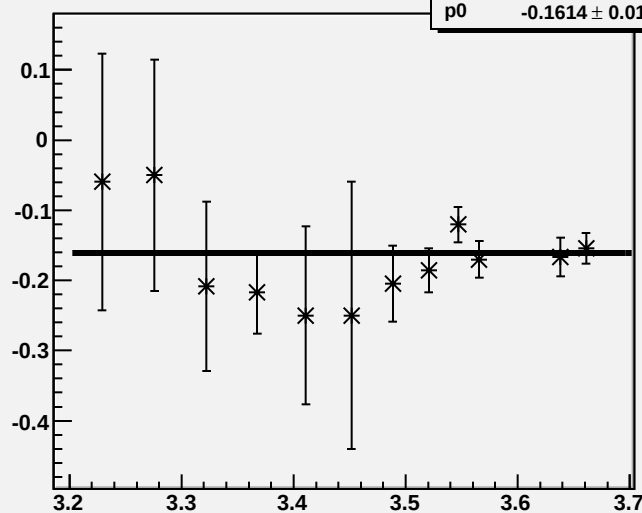
TMatrixFBase



χ^2 / ndf 40.2 / 11
p0 $4.654\text{e-}10 \pm 3.648\text{e-}11$
p1 6 ± 0

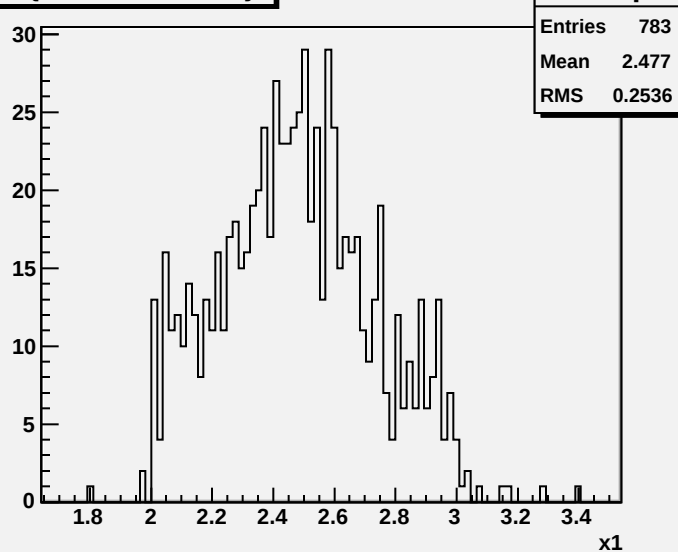


χ^2 / ndf 6.729 / 11
p0 -0.1614 ± 0.01093



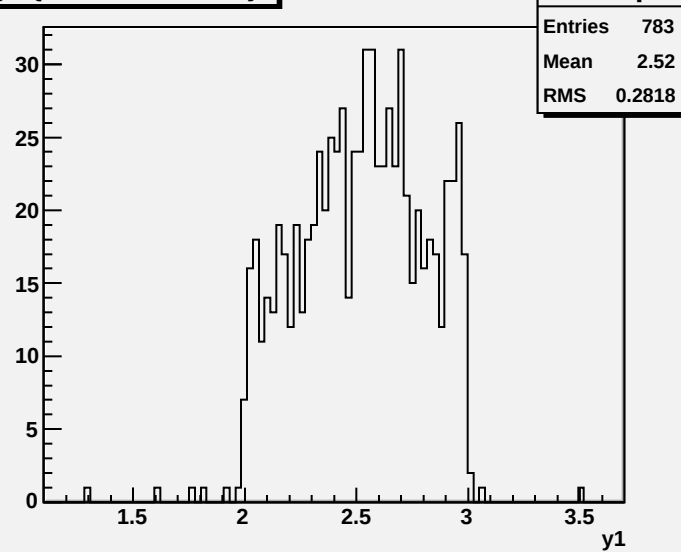
x1 {er>20 && mr<.25}

htemp

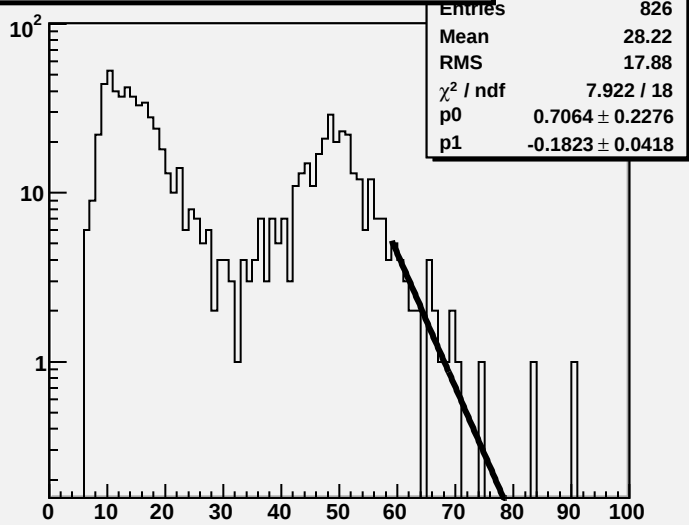


y1 {er>20 && mr<.25}

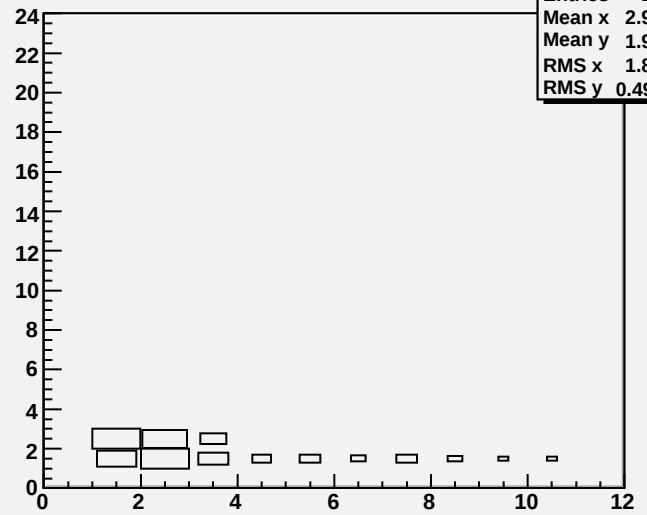
htemp



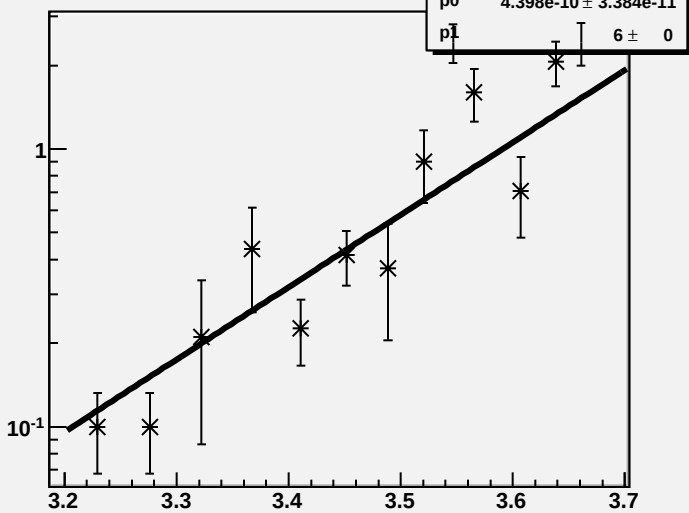
../Code2/data2/_Cellr2_c3_3.root_Y=3.6072215.2 En 2 3 3



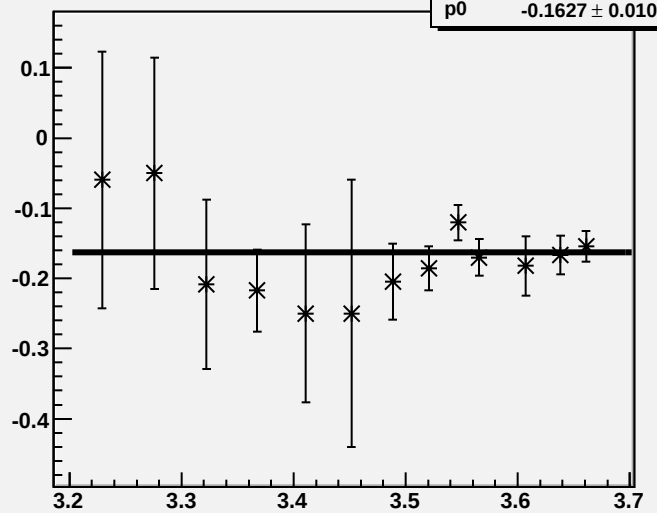
TMatrixFBase
Entries 288
Mean x 2.954
Mean y 1.933
RMS x 1.869
RMS y 0.4955



χ^2 / ndf 43.73 / 12
p0 $4.398\text{e-}10 \pm 3.384\text{e-}11$
p1 6 ± 0

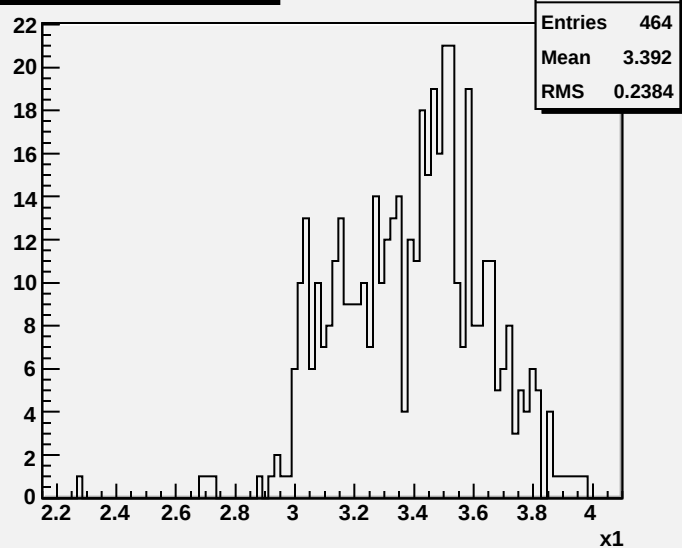


χ^2 / ndf 6.964 / 12
p0 -0.1627 ± 0.01057



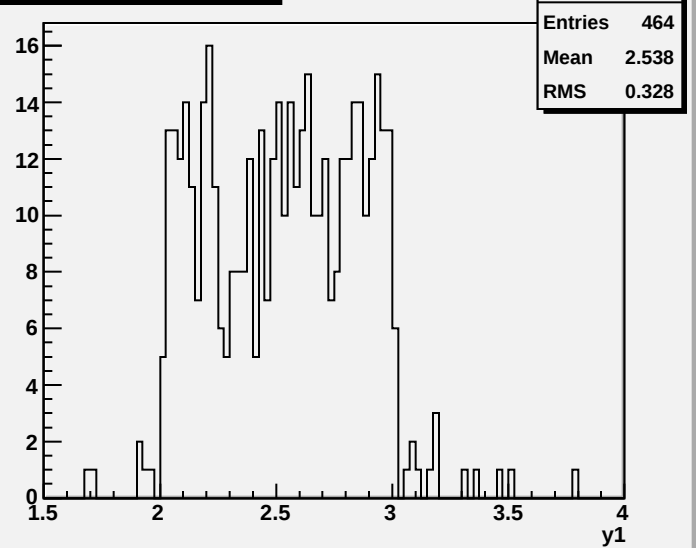
x1 {er>20 && mr<.25}

htemp

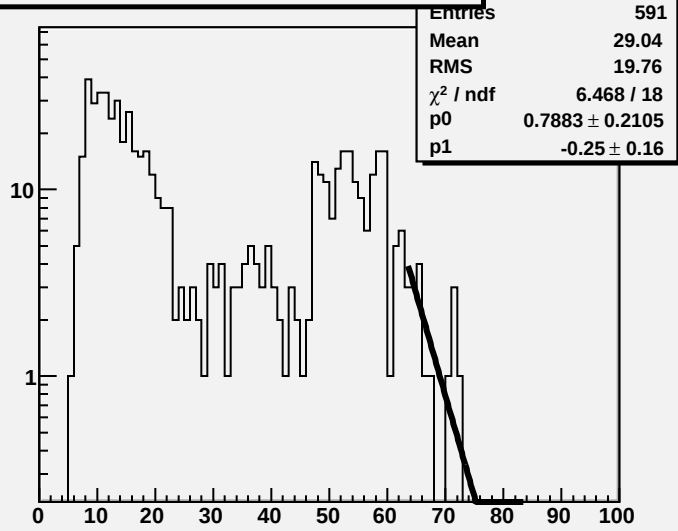


y1 {er>20 && mr<.25}

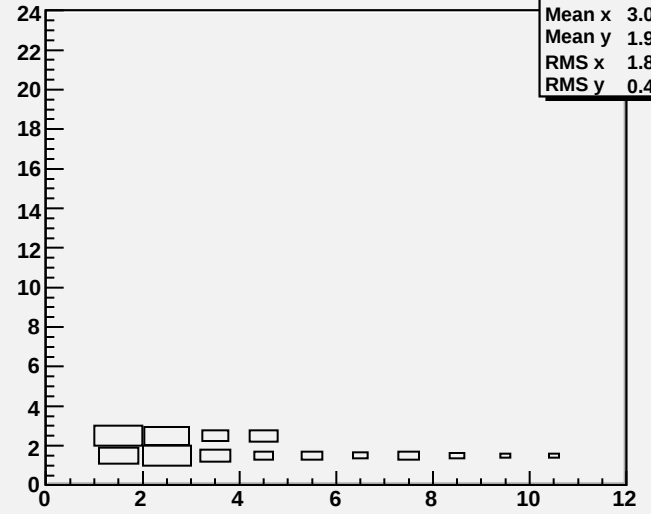
htemp



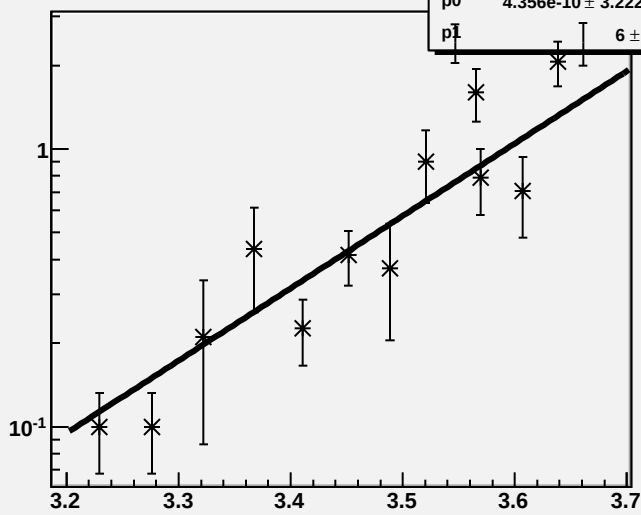
../Code2/data2/_Cellr2_c4_3.root_Y=3.5692715.2 En 2 4 3



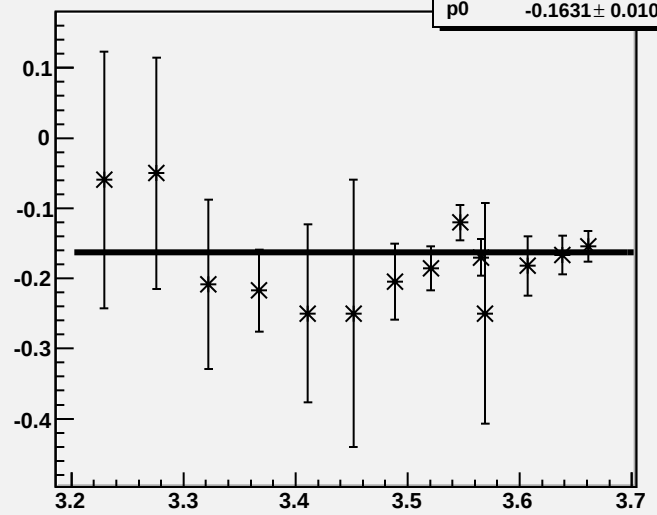
TMatrixFBase
Entries 288
Mean x 3.049
Mean y 1.968
RMS x 1.848
RMS y 0.499



χ^2 / ndf 43.9 / 13
p0 $4.356e-10 \pm 3.222e-11$
p1 6 ± 0

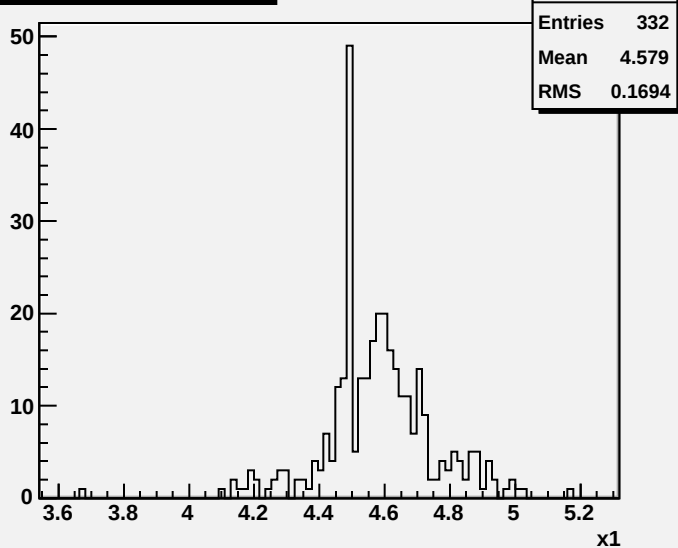


χ^2 / ndf 7.271 / 13
p0 -0.1631 ± 0.01055



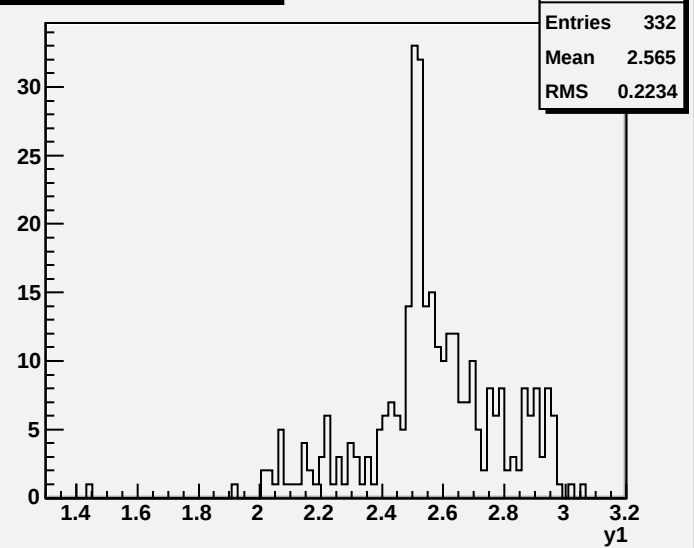
x1 {er>20 && mr<.25}

htemp

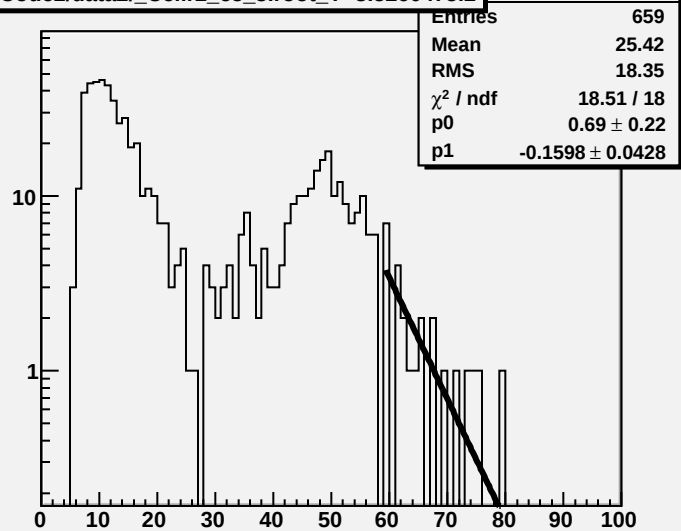


y1 {er>20 && mr<.25}

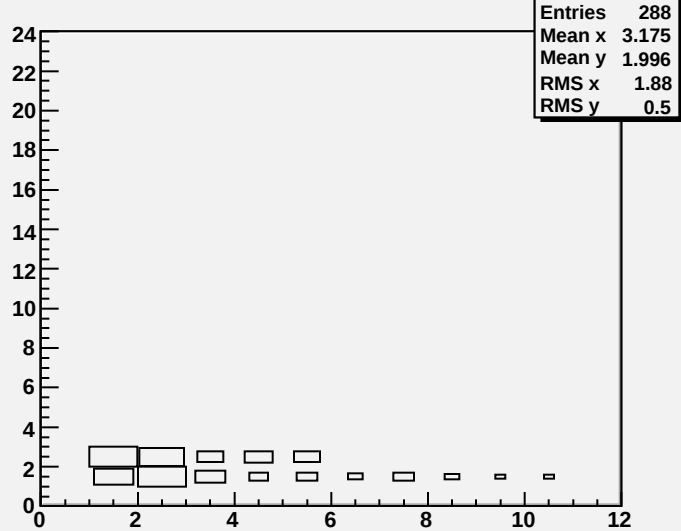
htemp



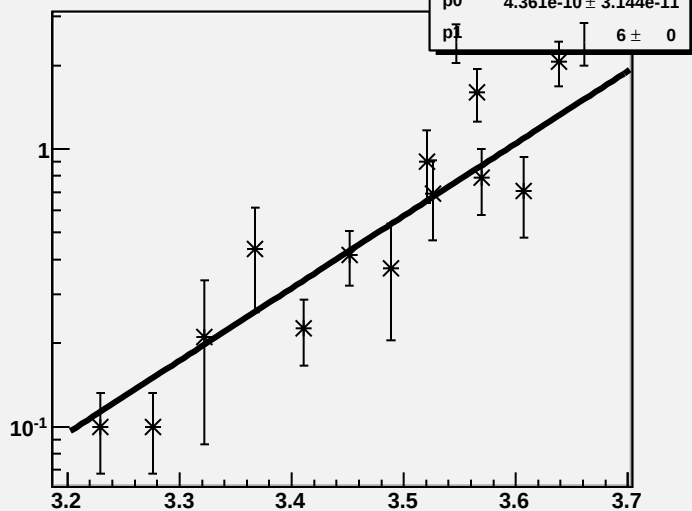
../Code2/data2/_Cellr2_c5_3.root_Y=3.5260475.2 En 2 5 3



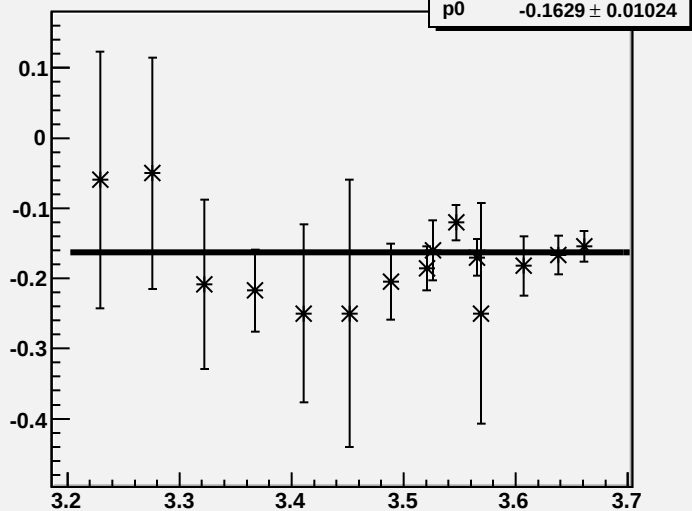
TMatrixFBase



χ^2 / ndf 43.91 / 14
p0 $4.361\text{e-}10 \pm 3.144\text{e-}11$
p1 6 ± 0

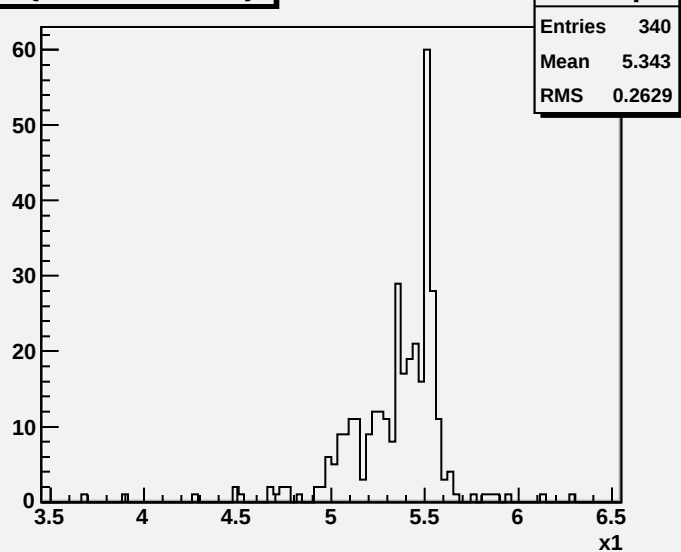


χ^2 / ndf 7.276 / 14
p0 -0.1629 ± 0.01024



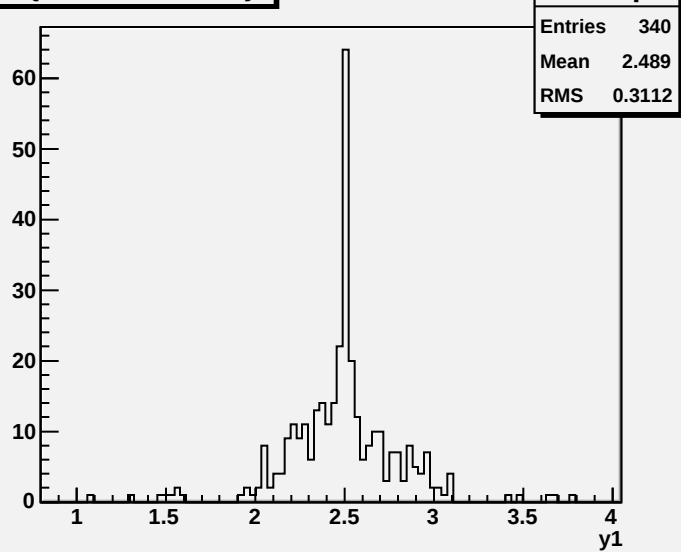
x1 {er>20 && mr<.25}

htemp

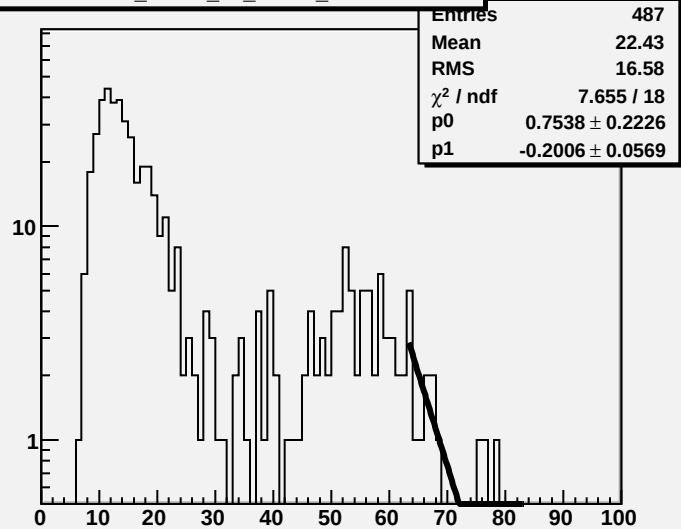


y1 {er>20 && mr<.25}

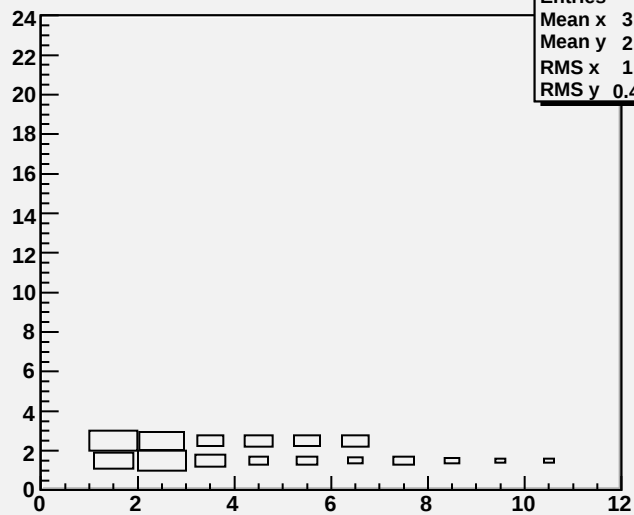
htemp



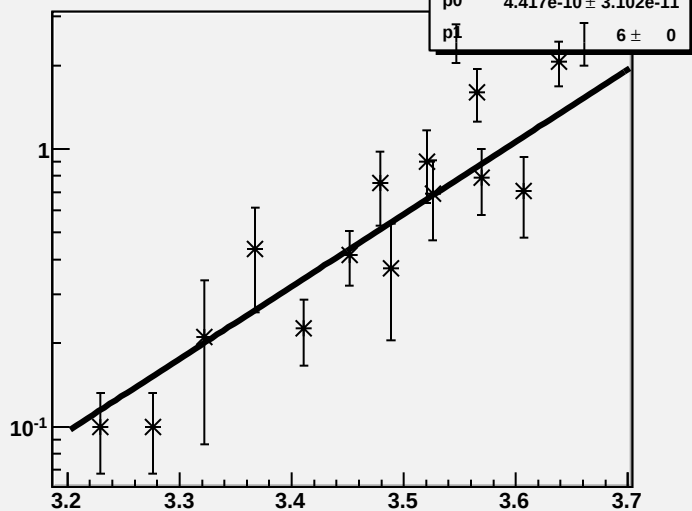
../Code2/data2/_Cellr2_c6_3.root_Y=3.4790385.2 En 2 6 3



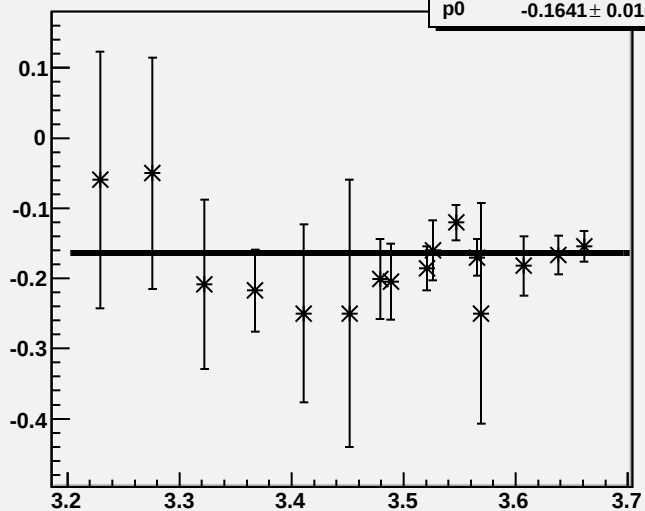
TMatrixFBase
Entries 288
Mean x 3.352
Mean y 2.022
RMS x 1.975
RMS y 0.4995



χ^2 / ndf 45.1 / 15
p0 $4.417\text{e-}10 \pm 3.102\text{e-}11$
p1 6 ± 0

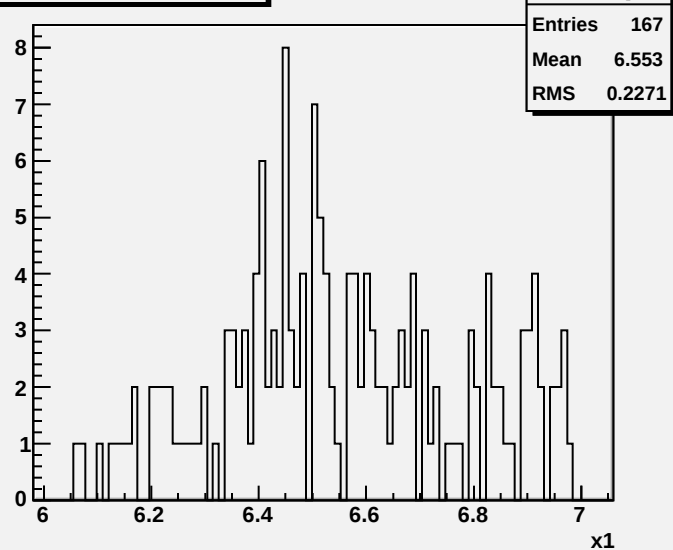


χ^2 / ndf 7.701 / 15
p0 -0.1641 ± 0.01008



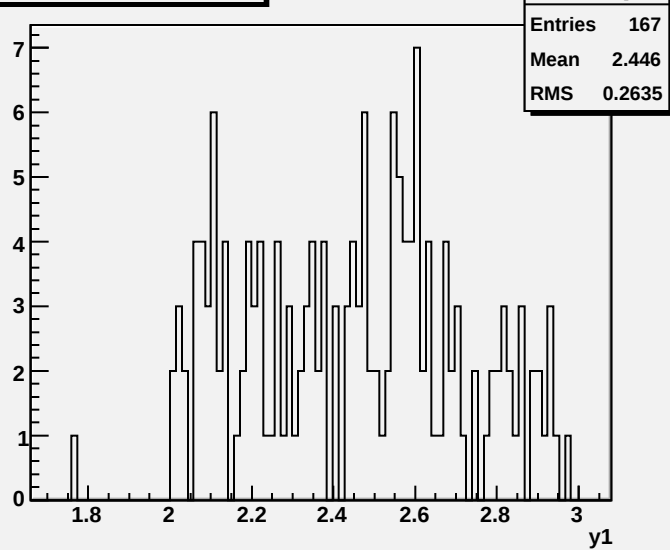
x1 {er>20 && mr<.25}

htemp

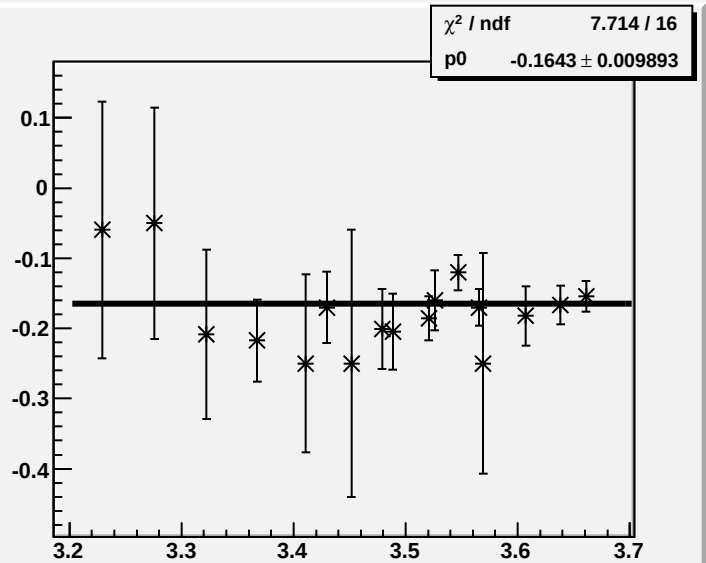
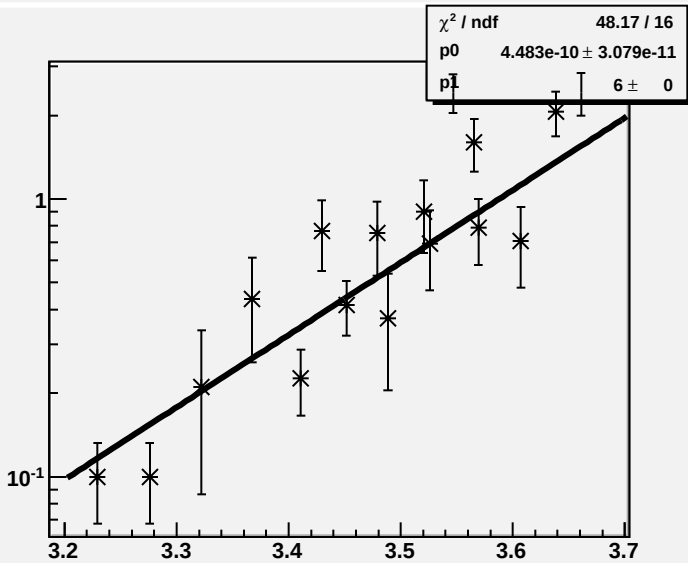
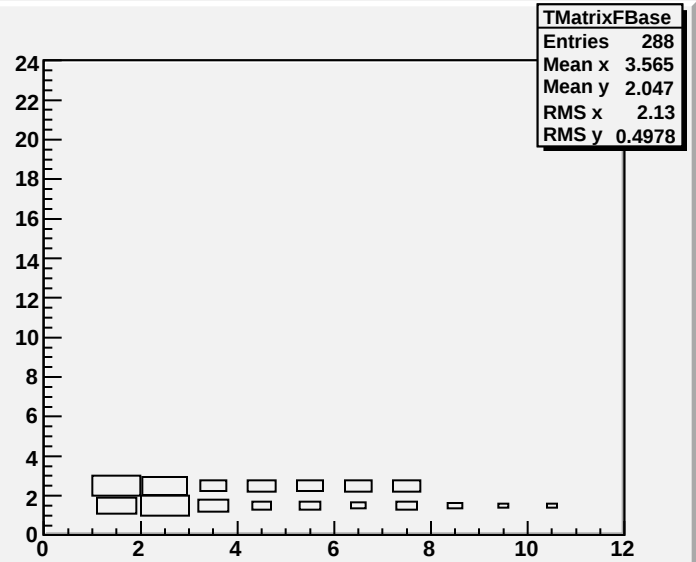
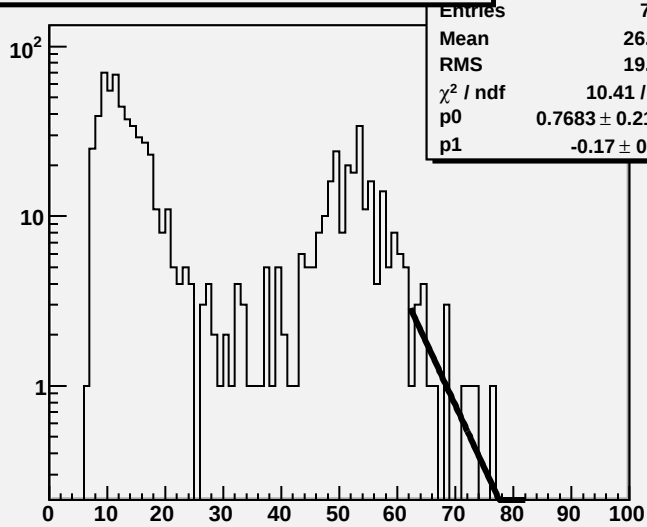


y1 {er>20 && mr<.25}

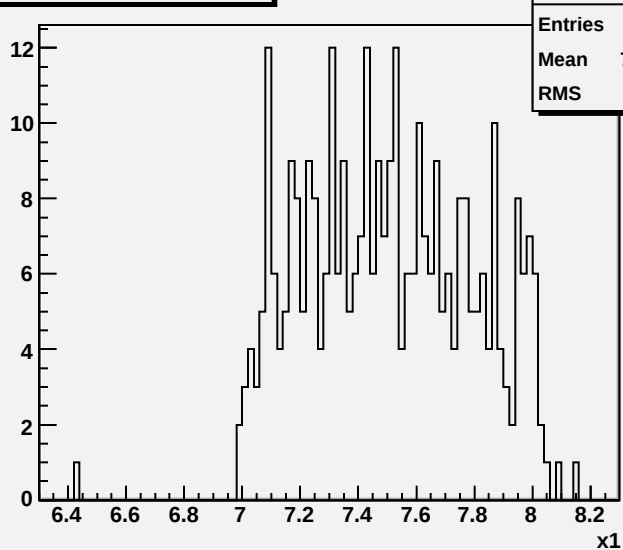
htemp



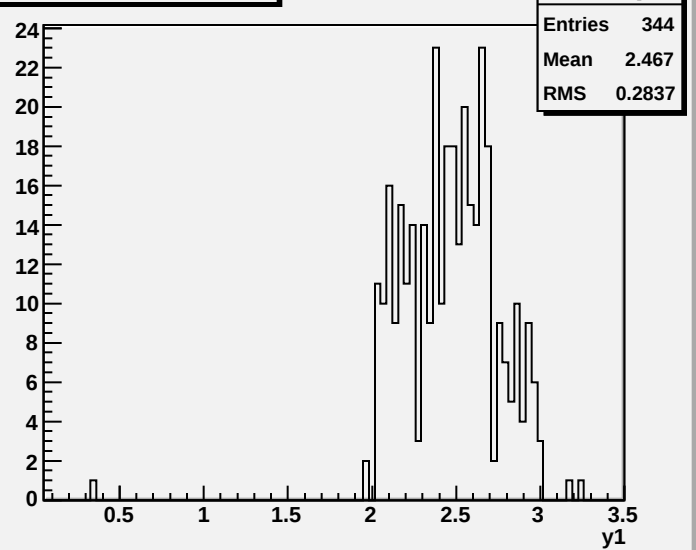
../Code2/data2/ _Cellr2_c7_3.root_Y=3.4295385.2 En 2 7 3



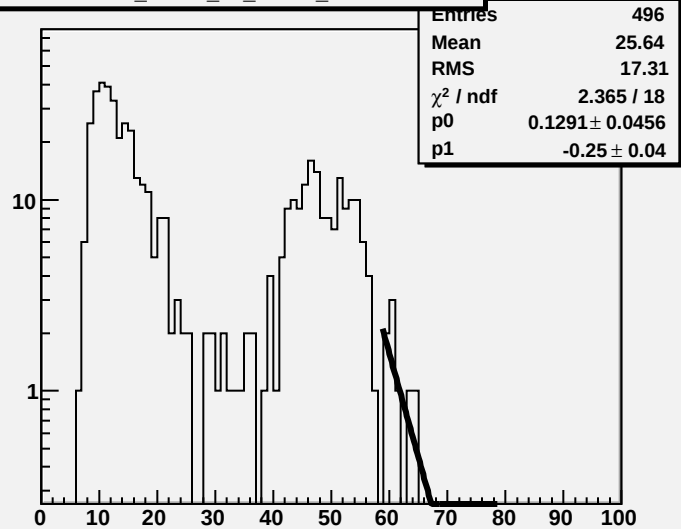
x1 {er>20 && mr<.25}



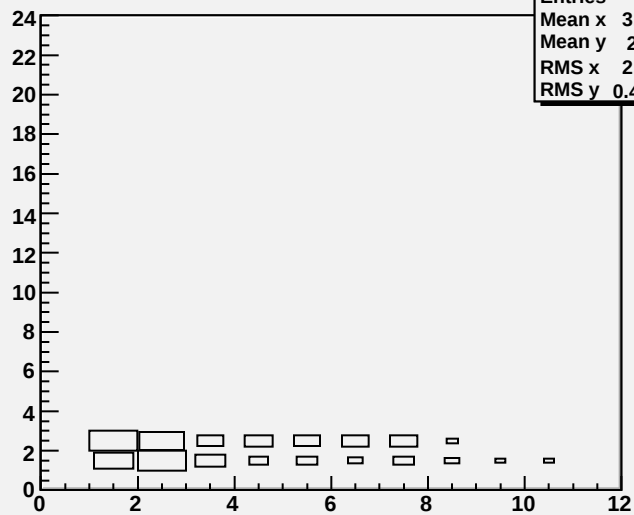
y1 {er>20 && mr<.25}



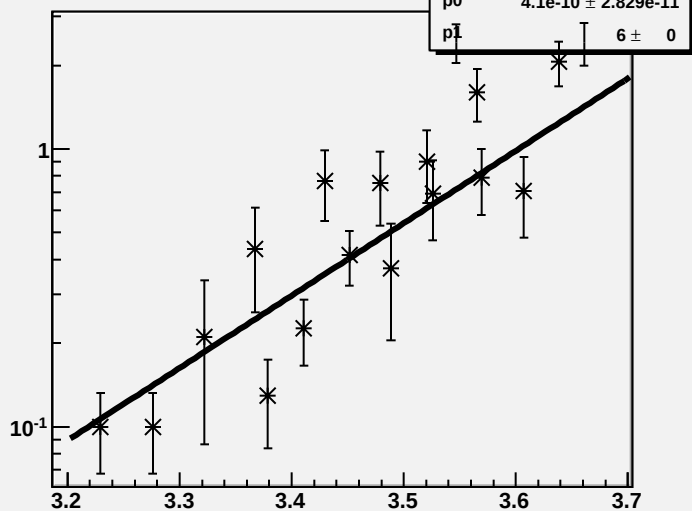
../Code2/data2/_Cellr2_c8_3.root_Y=3.3786095.2 En 2 8 3



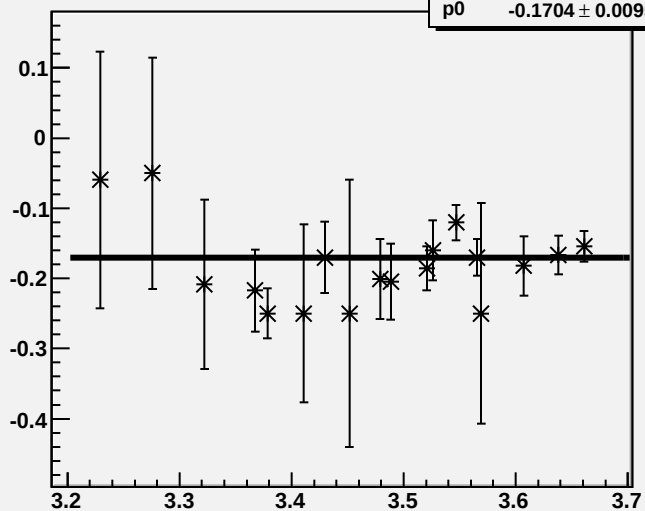
TMatrixFBase
Entries 288
Mean x 3.607
Mean y 2.051
RMS x 2.169
RMS y 0.4974



χ^2 / ndf 58.1 / 17
p0 $4.1\text{e-}10 \pm 2.829\text{e-}11$
p1 6 ± 0

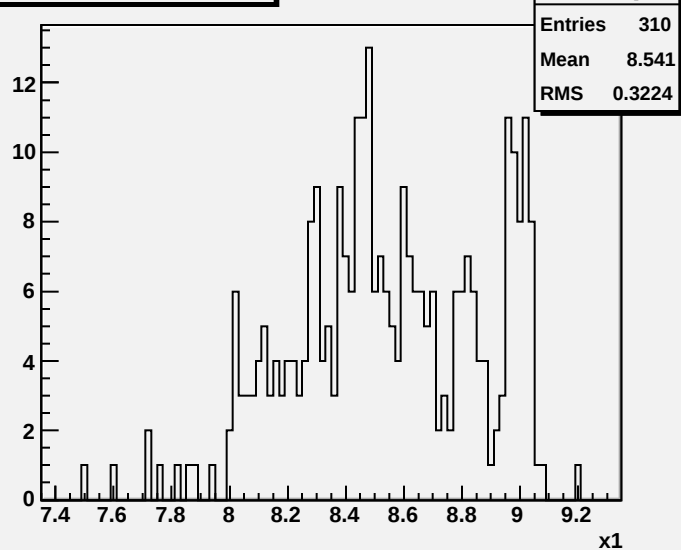


χ^2 / ndf 13.02 / 17
p0 -0.1704 ± 0.009536



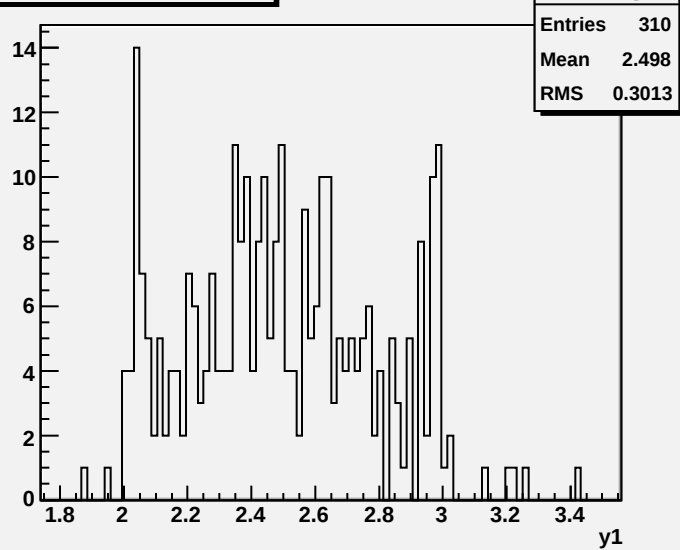
x1 {er>20 && mr<.25}

htemp

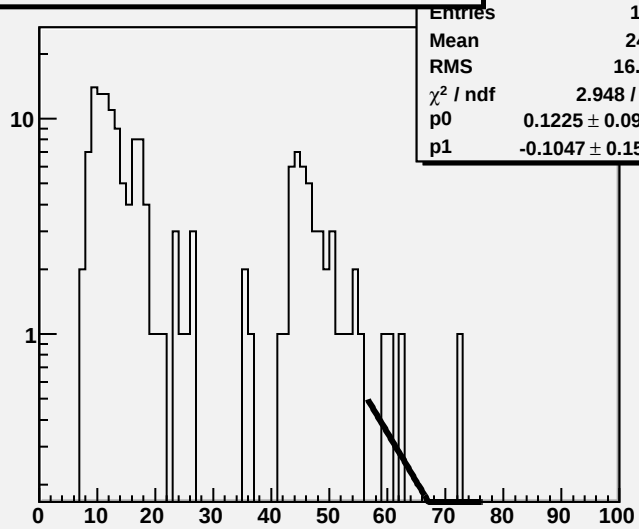


y1 {er>20 && mr<.25}

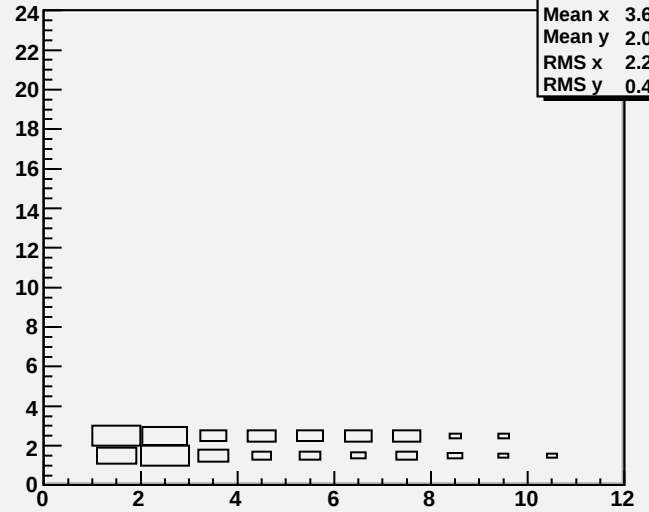
htemp



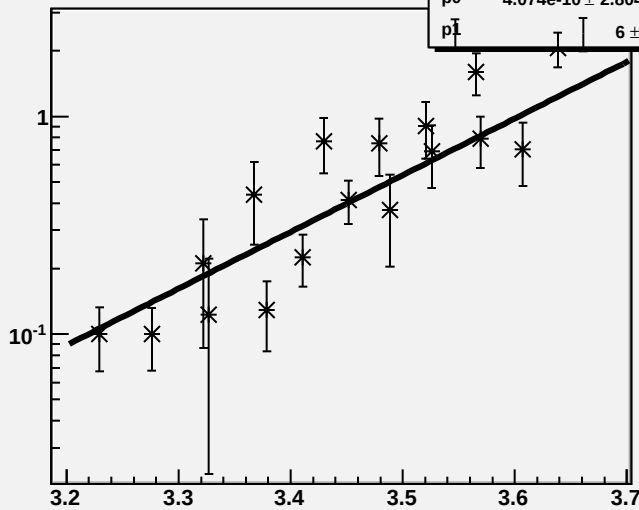
../Code2/data2/_Cellr2_c9_3.root_Y=3.3270875.2 En 2 9 3



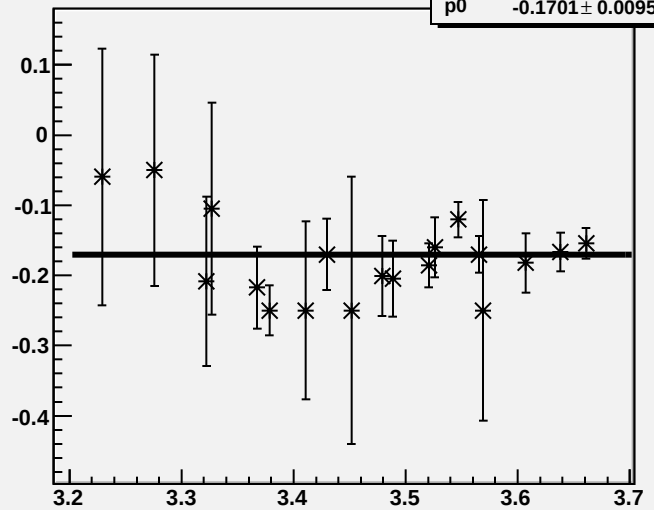
TMatrixFBase
Entries 288
Mean x 3.654
Mean y 2.054
RMS x 2.224
RMS y 0.497



χ^2 / ndf 58.57 / 18
p0 $4.074\text{e-}10 \pm 2.804\text{e-}11$
p1 6 ± 0

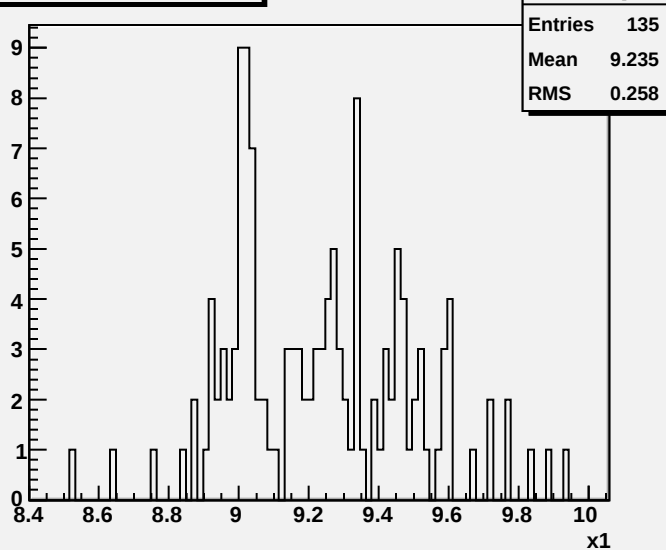


χ^2 / ndf 13.21 / 18
p0 -0.1701 ± 0.009517



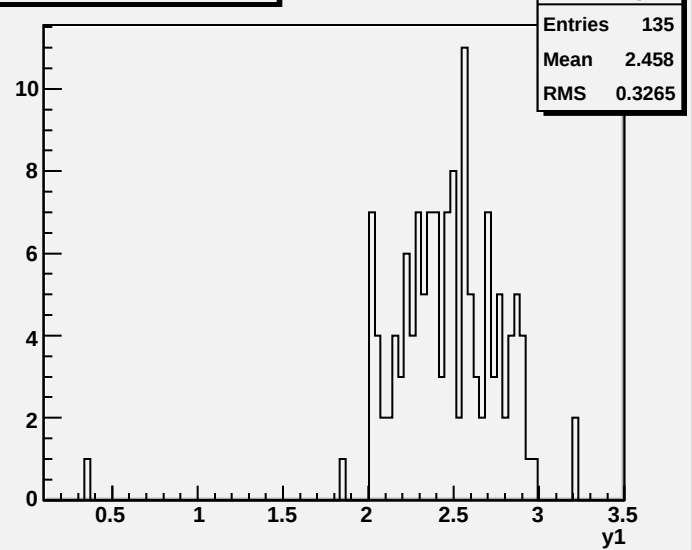
x1 {er>20 && mr<.25}

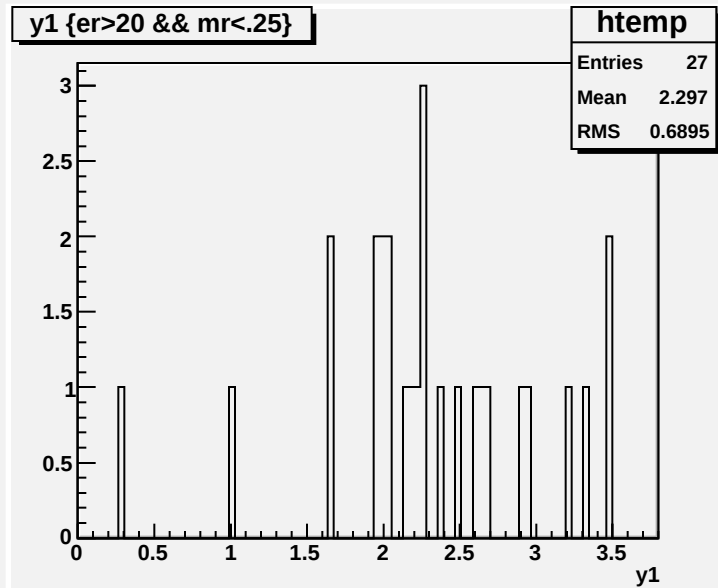
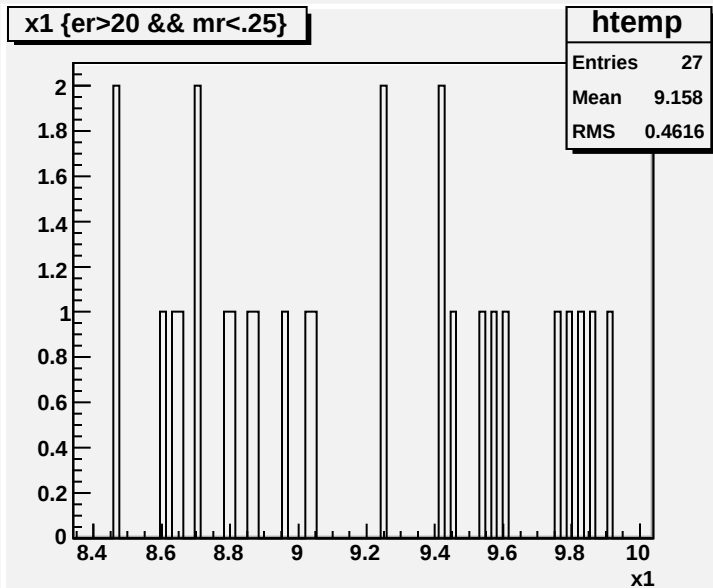
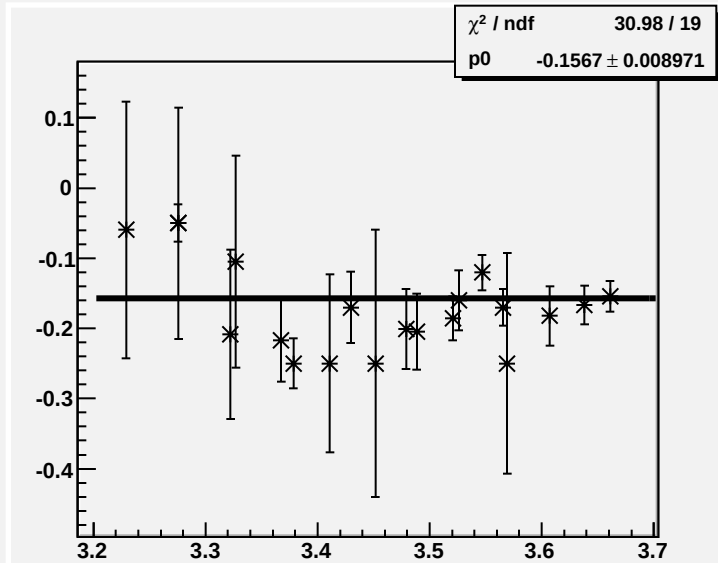
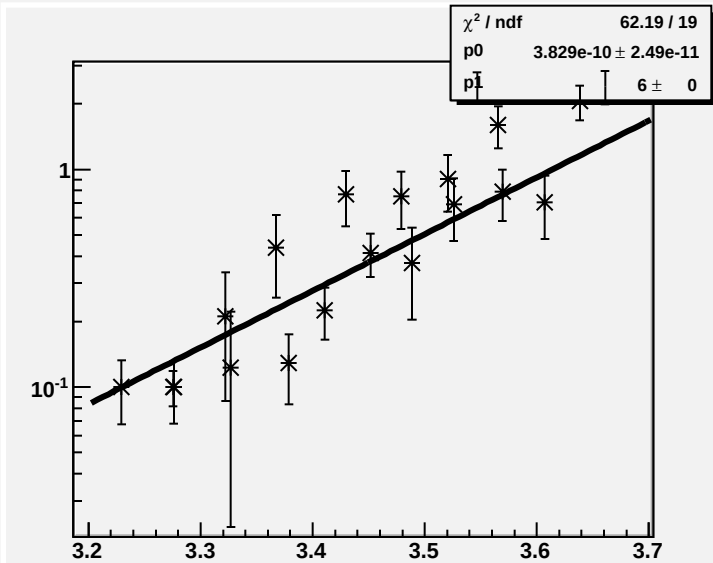
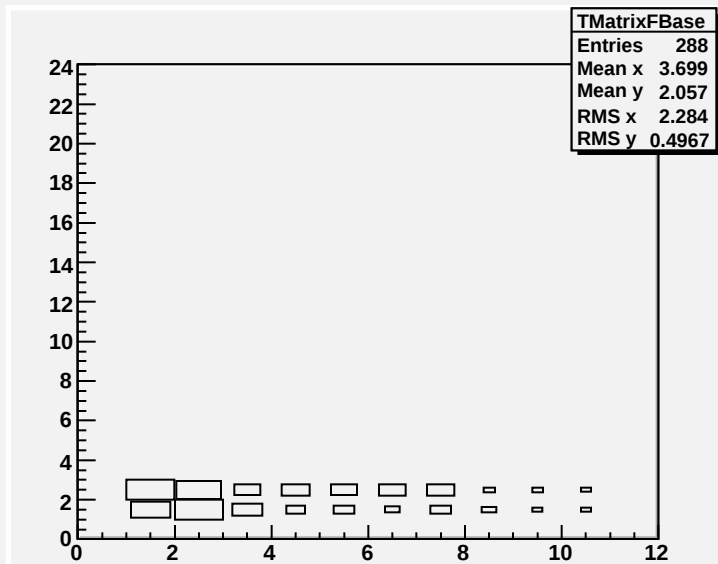
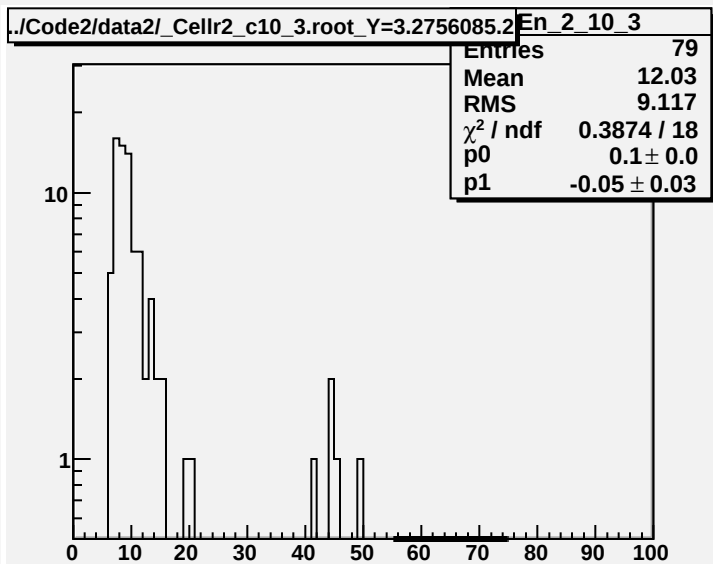
htemp



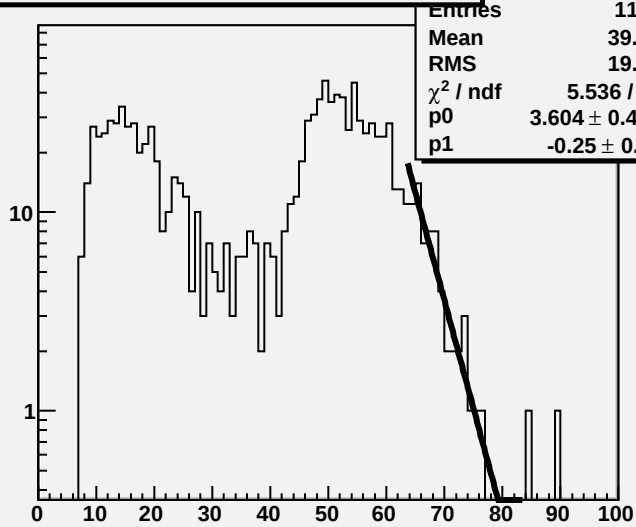
y1 {er>20 && mr<.25}

htemp



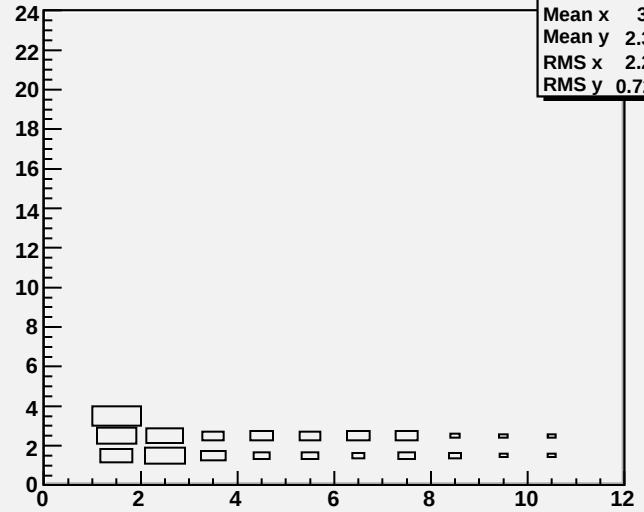


../Code2/data2/_Cellr3_c1_3.root_Y=3.7662545.2 En 3 1 3

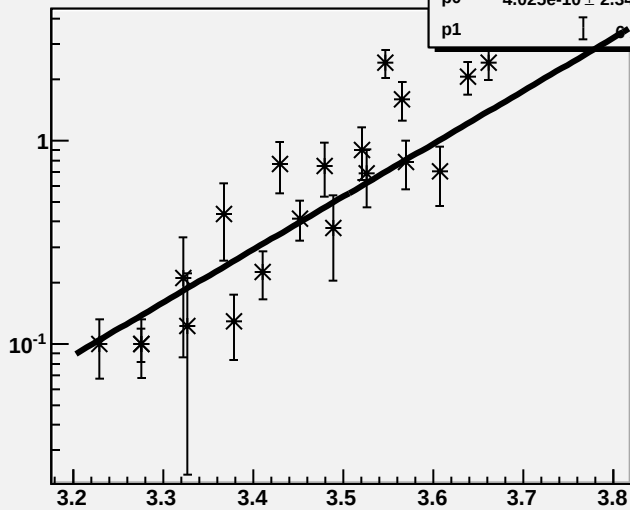


TMatrixFBase

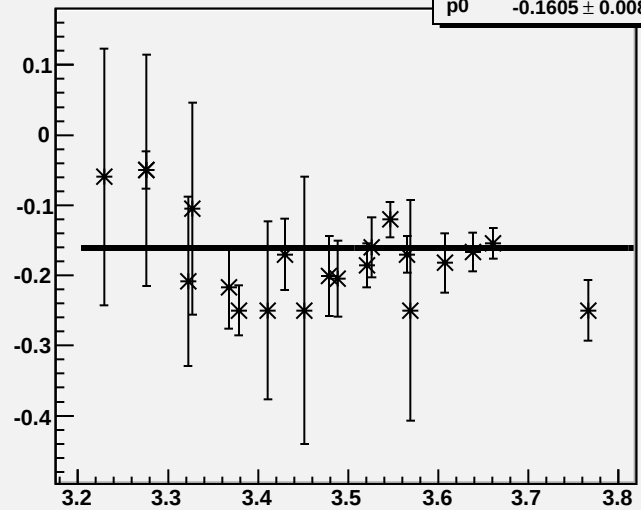
Entries	288
Mean x	3.28
Mean y	2.332
RMS x	2.229
RMS y	0.7216



χ^2 / ndf 67.55 / 20
p0 $4.025\text{e-}10 \pm 2.343\text{e-}11$
p1 0 ± 0

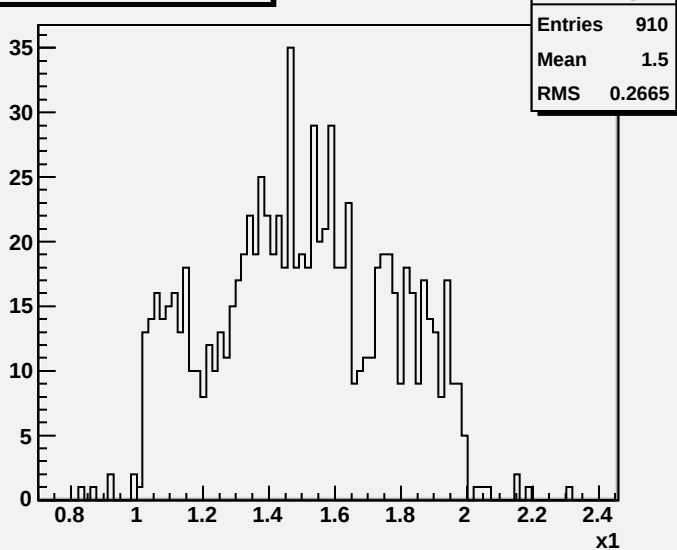


χ^2 / ndf 35.41 / 20
p0 -0.1605 ± 0.008785



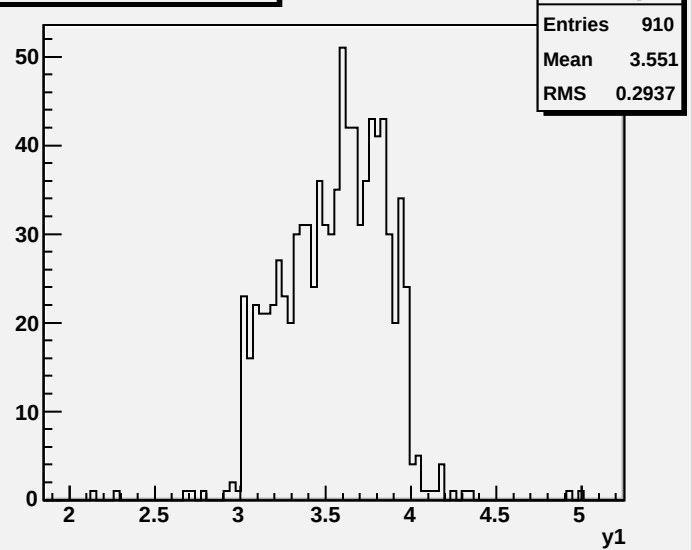
x1 {er>20 && mr<.25}

htemp

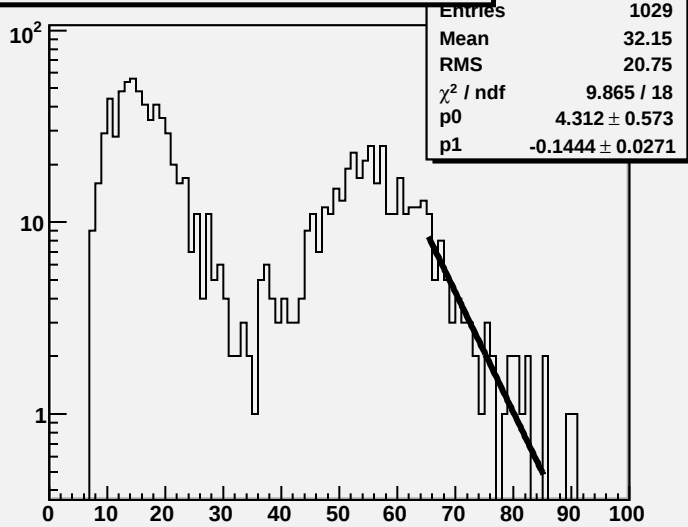


y1 {er>20 && mr<.25}

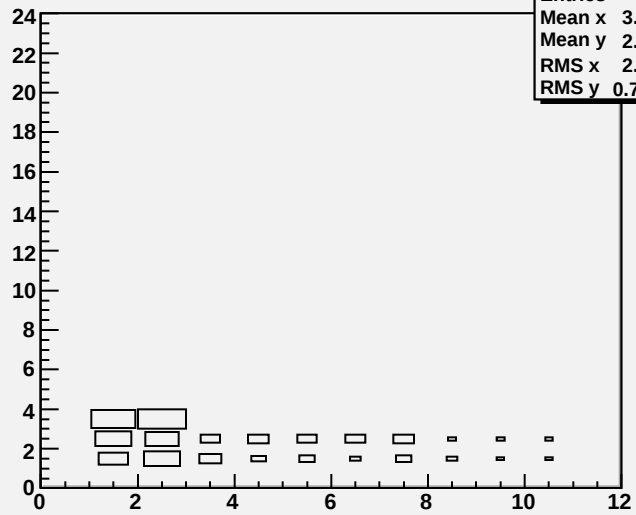
htemp



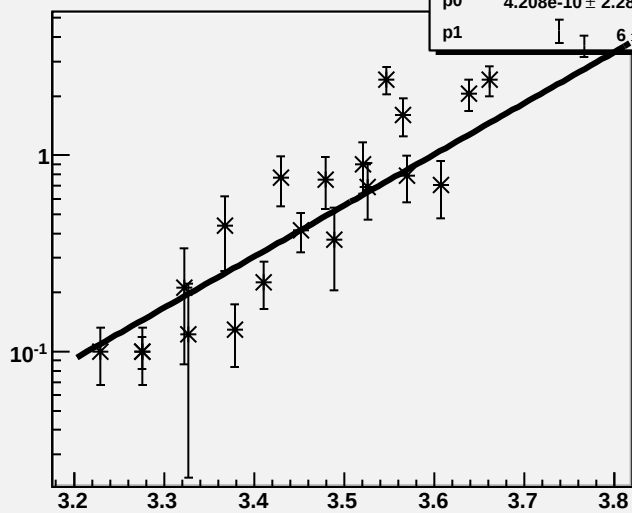
../Code2/data2/_Cellr3_c2_3.root_Y=3.7383725.2 En 3 2 3



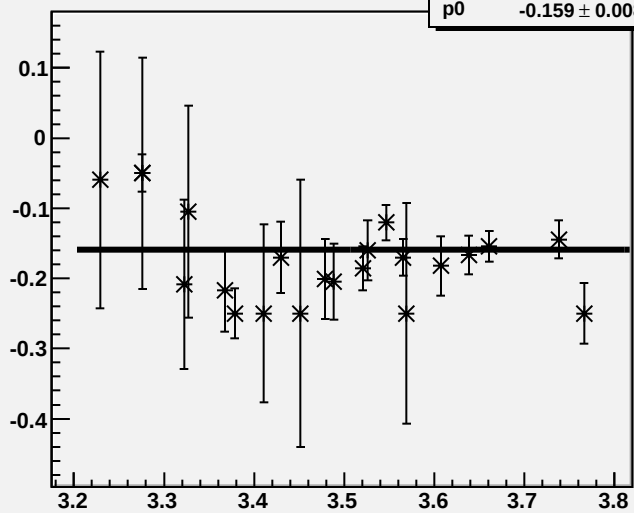
TMatrixFBase
Entries 288
Mean x 3.135
Mean y 2.549
RMS x 2.034
RMS y 0.7939



χ^2 / ndf 80.27 / 21
p0 $4.208\text{e-}10 \pm 2.285\text{e-}11$
p1 6 ± 0



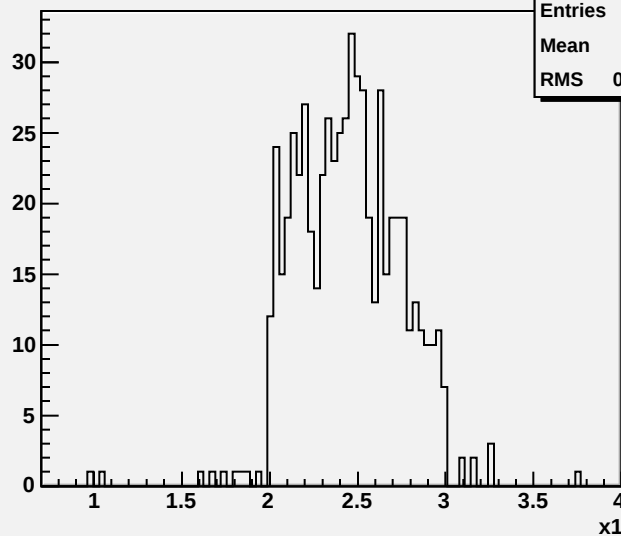
χ^2 / ndf 35.73 / 21
p0 -0.159 ± 0.008357



x1 {er>20 && mr<.25}

htemp

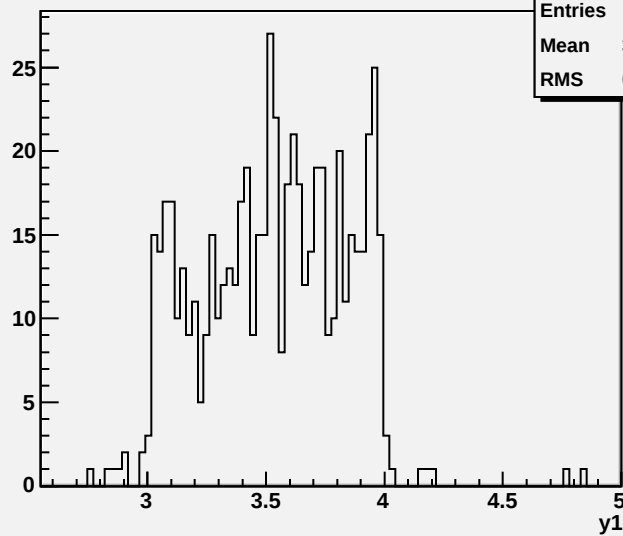
Entries 609
Mean 2.447
RMS 0.2948



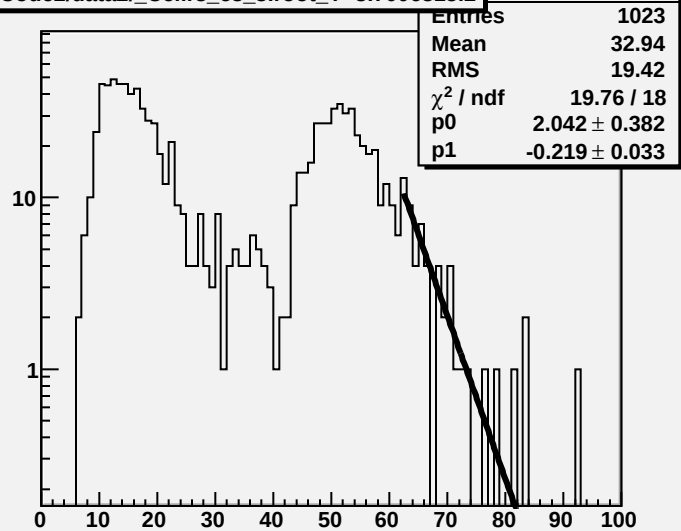
y1 {er>20 && mr<.25}

htemp

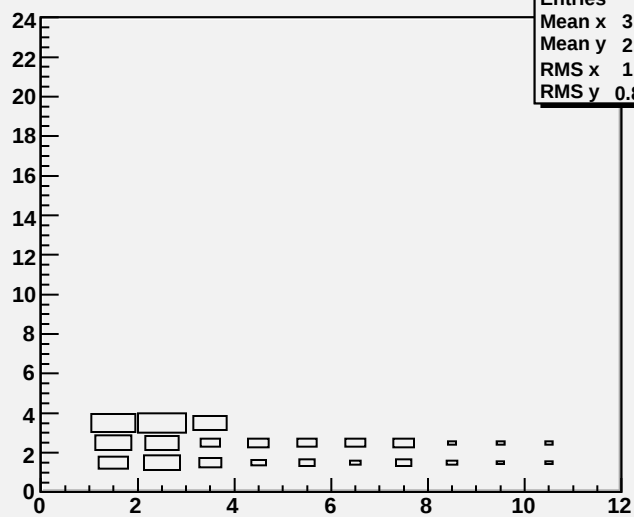
Entries 609
Mean 3.534
RMS 0.305



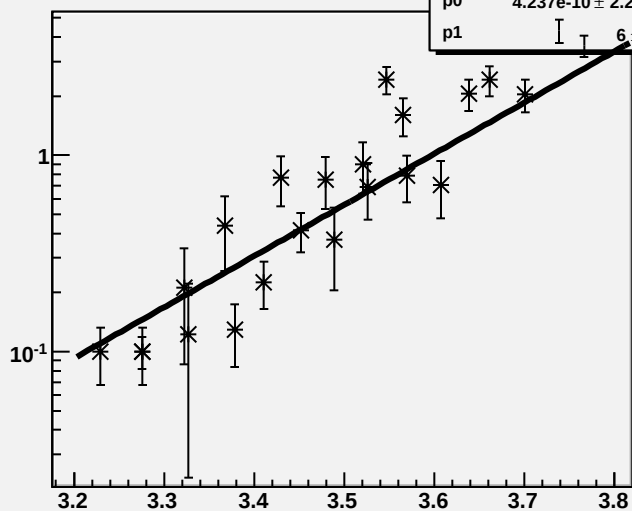
../Code2/data2/_Cellr3_c3_3.root_Y=3.7006315.2 En 3 3 3



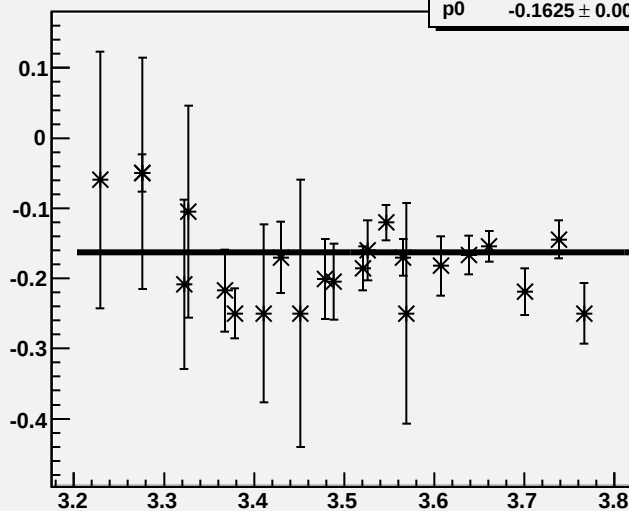
TMatrixFBase
Entries 288
Mean x 3.165
Mean y 2.626
RMS x 1.953
RMS y 0.8041



χ^2 / ndf 80.5 / 22
p0 $4.237\text{e-}10 \pm 2.21\text{e-}11$
p1 6 ± 0

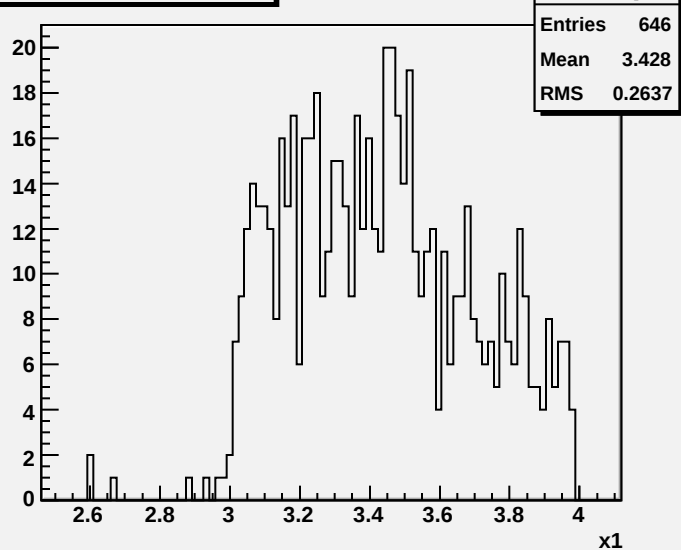


χ^2 / ndf 38.77 / 22
p0 -0.1625 ± 0.008107



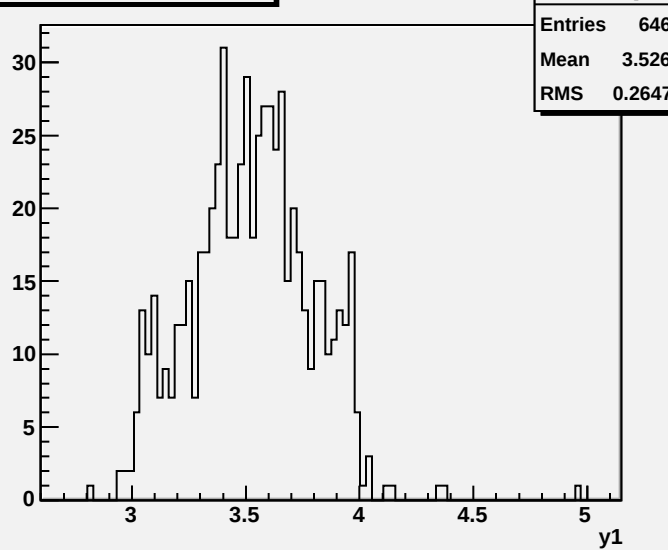
x1 {er>20 && mr<.25}

htemp

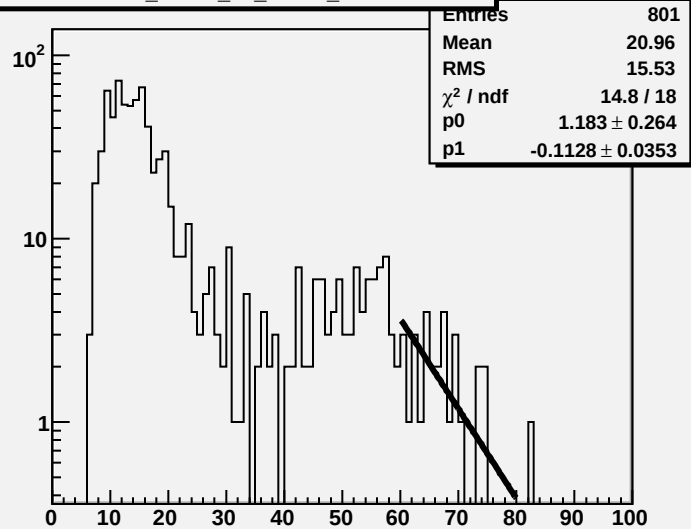


y1 {er>20 && mr<.25}

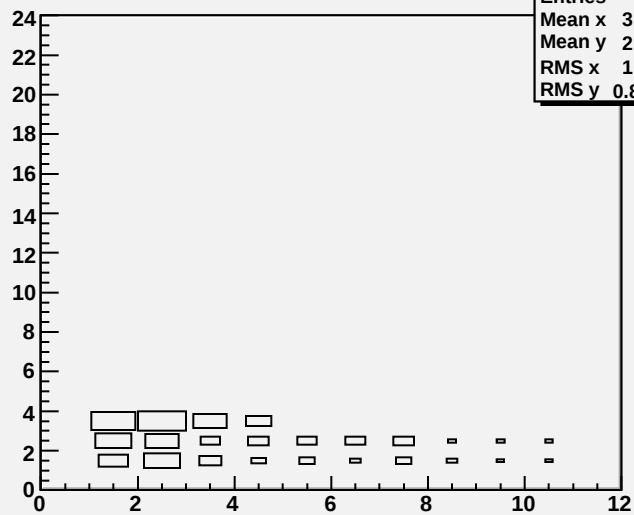
htemp



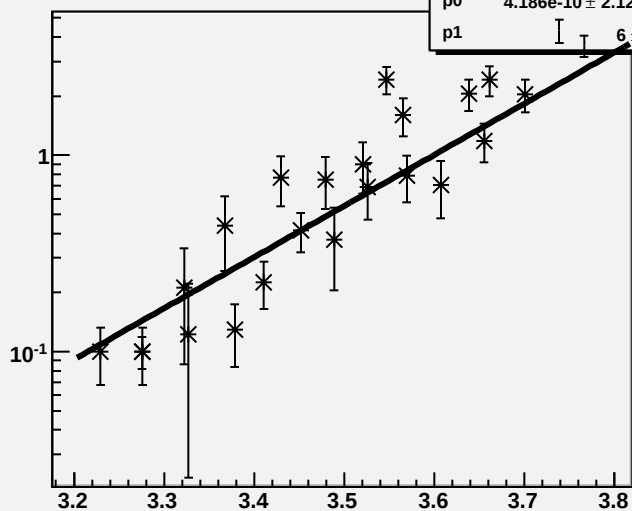
../Code2/data2/_Cellr3_c4_3.root_Y=3.6552075.2 En 3 4 3



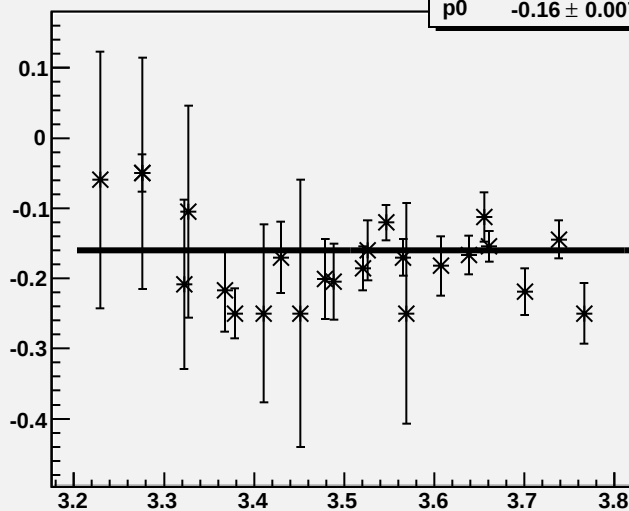
TMatrixFBase
Entries 288
Mean x 3.225
Mean y 2.665
RMS x 1.929
RMS y 0.8064



χ^2 / ndf 81.23 / 23
p0 $4.186\text{e-}10 \pm 2.129\text{e-}11$
p1 6 ± 0



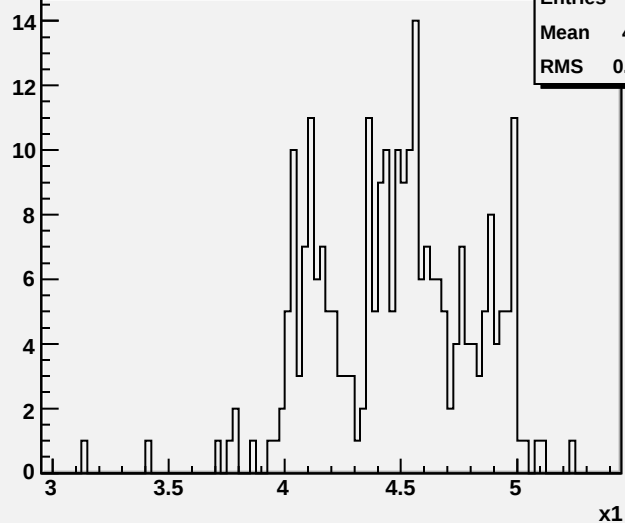
χ^2 / ndf 40.65 / 23
p0 -0.16 ± 0.007902



x1 {er>20 && mr<.25}

htemp

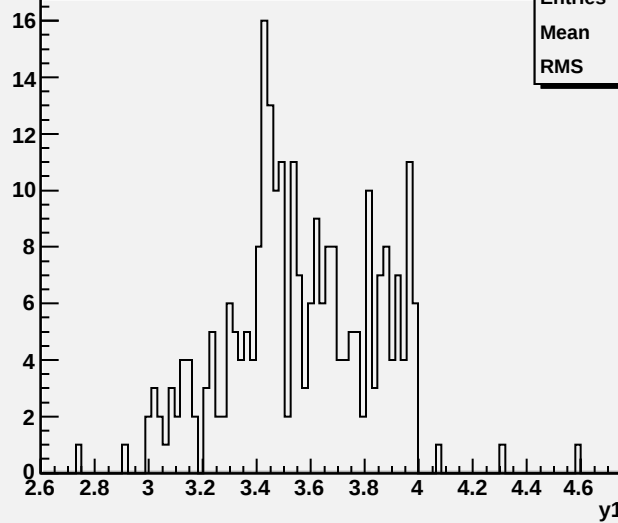
Entries 262
Mean 4.476
RMS 0.3282



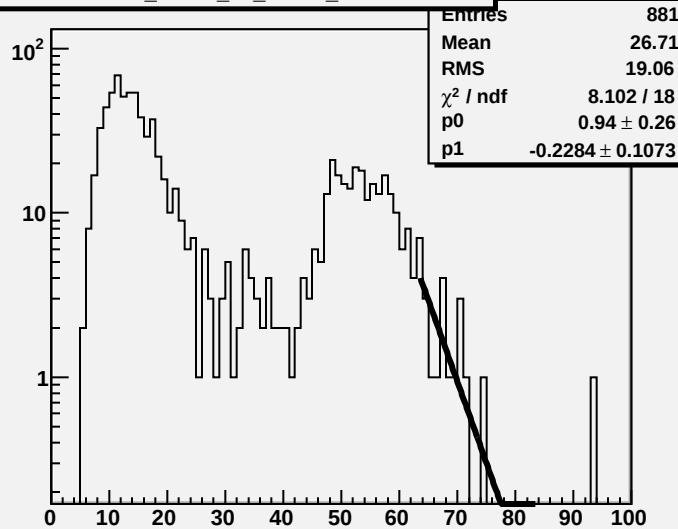
y1 {er>20 && mr<.25}

htemp

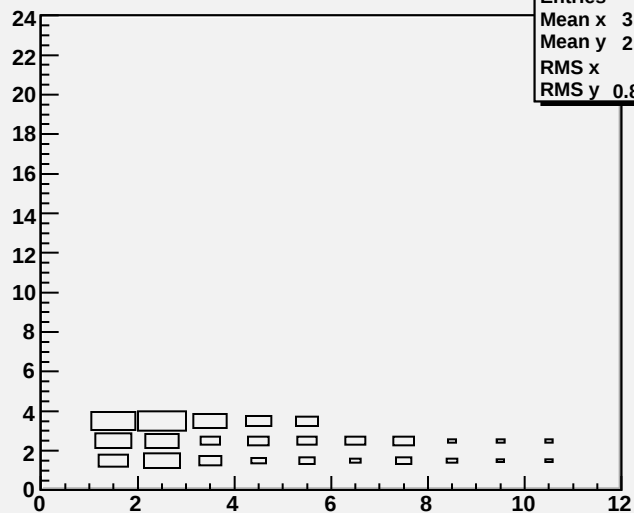
Entries 262
Mean 3.566
RMS 0.273



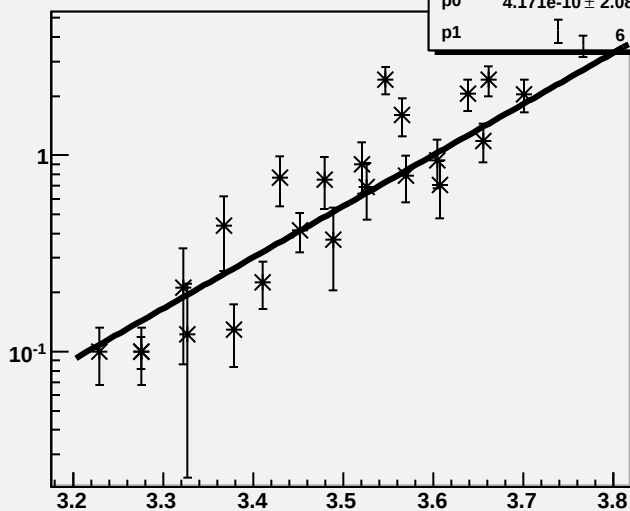
../Code2/data2/_Cellr3_c5_3.root_Y=3.6042545.2 En 3 5 3



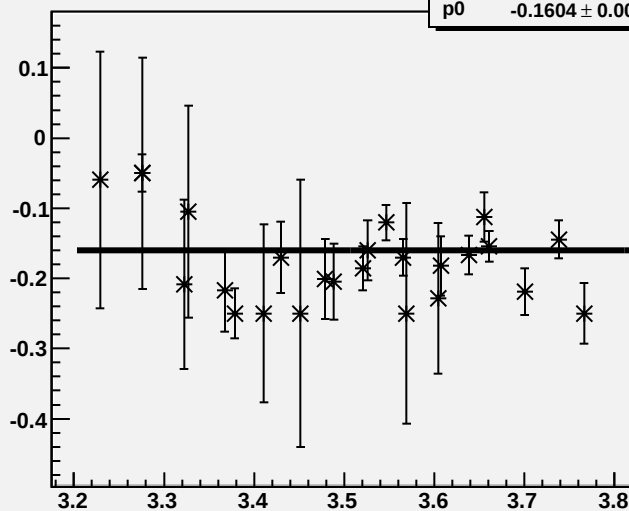
TMatrixFBase
Entries 288
Mean x 3.303
Mean y 2.693
RMS x 1.94
RMS y 0.8069



χ^2 / ndf 81.35 / 24
p0 $4.171\text{e-}10 \pm 2.086\text{e-}11$
p1 6 ± 0



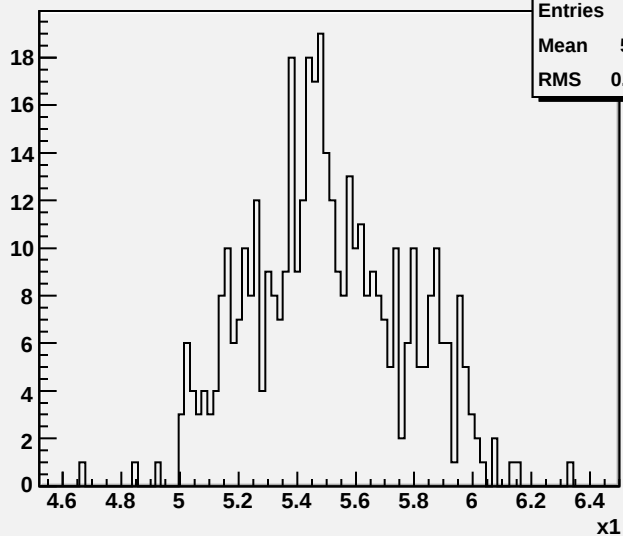
χ^2 / ndf 41.06 / 24
p0 -0.1604 ± 0.007881



x1 {er>20 && mr<.25}

htemp

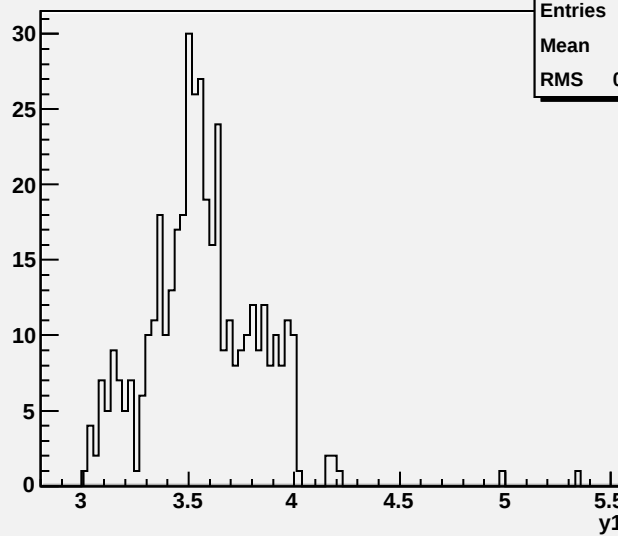
Entries 428
Mean 5.504
RMS 0.2623



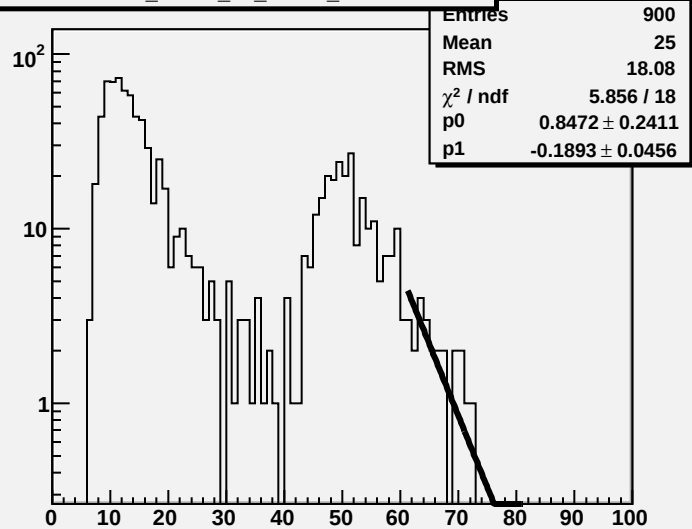
y1 {er>20 && mr<.25}

htemp

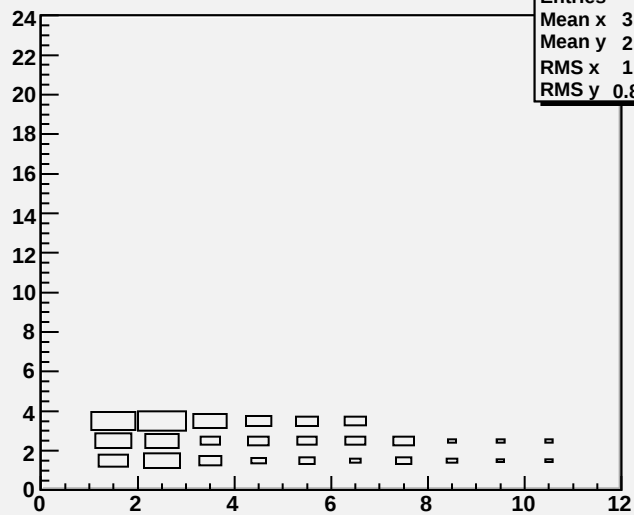
Entries 428
Mean 3.571
RMS 0.2662



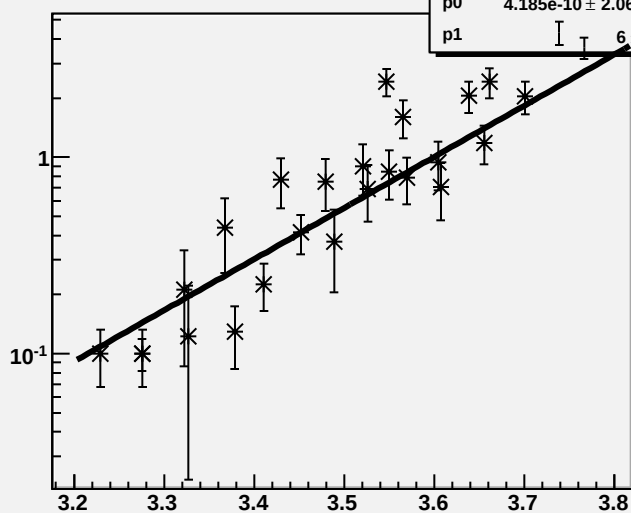
../Code2/data2/_Cellr3_c6_3.root_Y=3.5496805.2 En 3 6 3



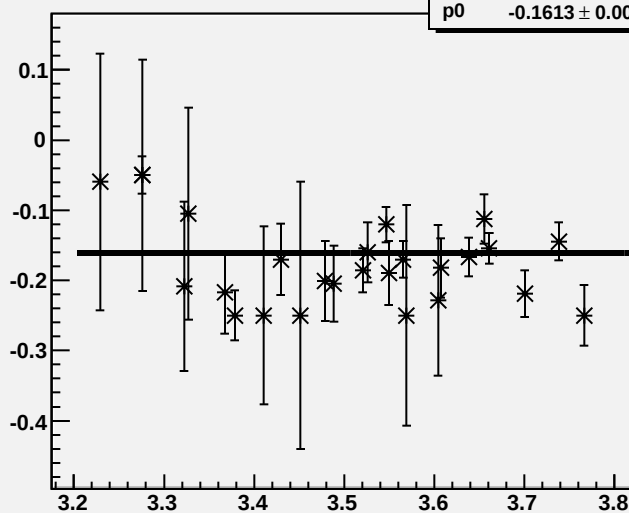
TMatrixFBase
Entries 288
Mean x 3.398
Mean y 2.718
RMS x 1.987
RMS y 0.8065



χ^2 / ndf 81.54 / 25
p0 $4.185\text{e-}10 \pm 2.062\text{e-}11$
p1 6 ± 0



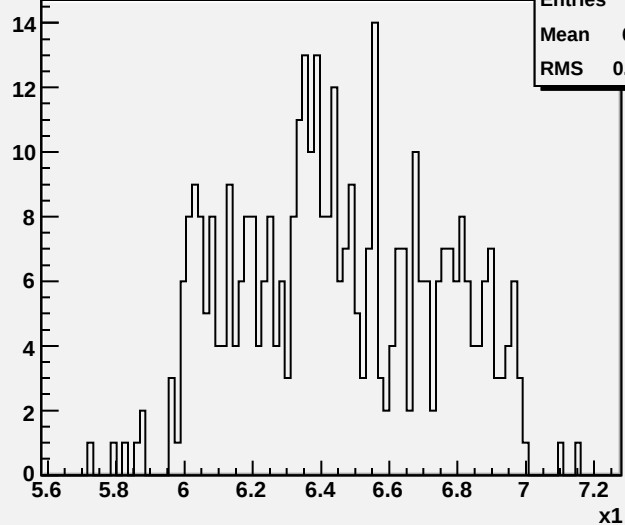
χ^2 / ndf 41.45 / 25
p0 -0.1613 ± 0.007765



x1 {er>20 && mr<.25}

htemp

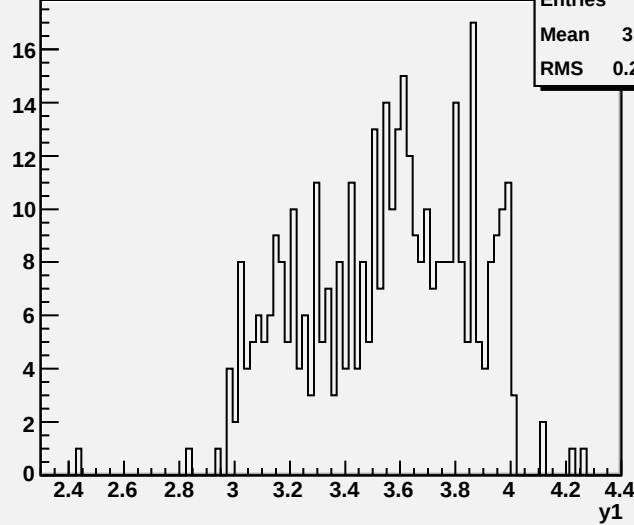
Entries 394
Mean 6.447
RMS 0.2897



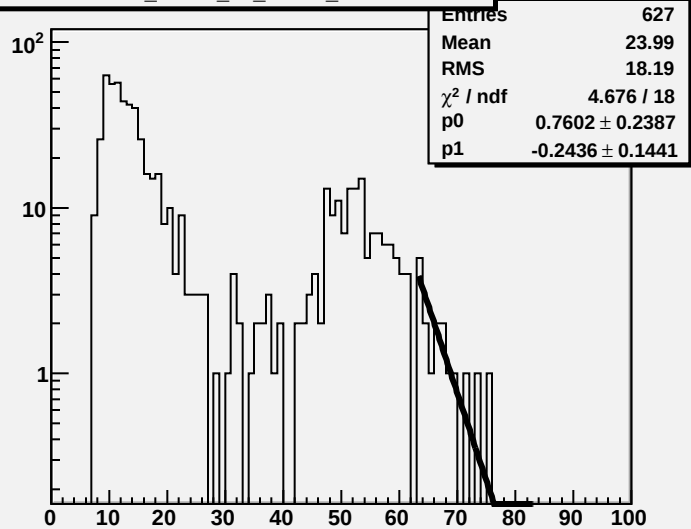
y1 {er>20 && mr<.25}

htemp

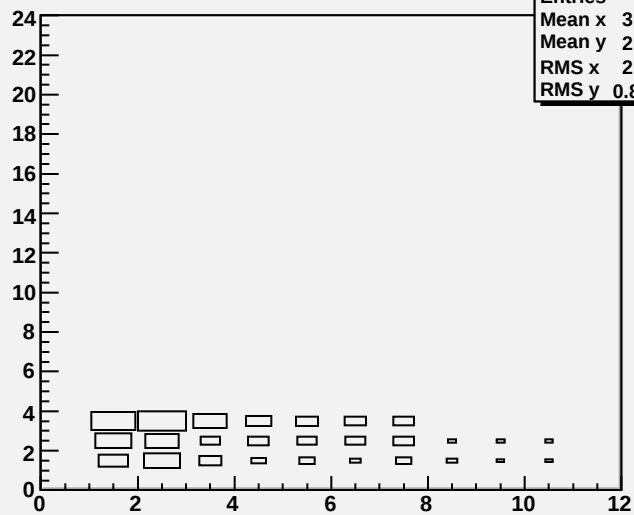
Entries 394
Mean 3.546
RMS 0.2958



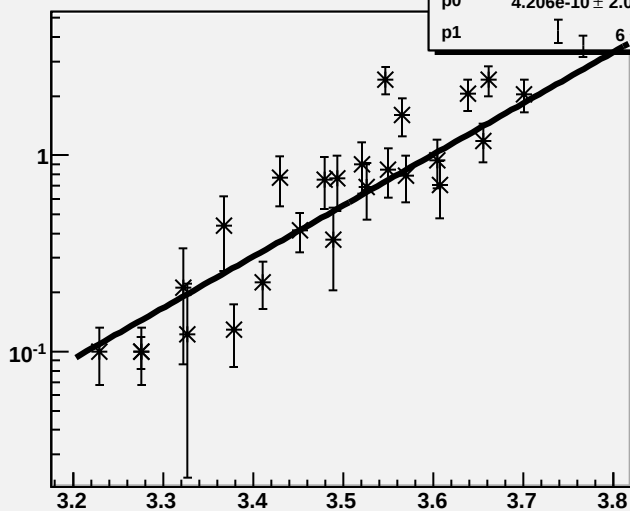
../Code2/data2/_Cellr3_c7_3.root_Y=3.4930515.2 En 3 7 3



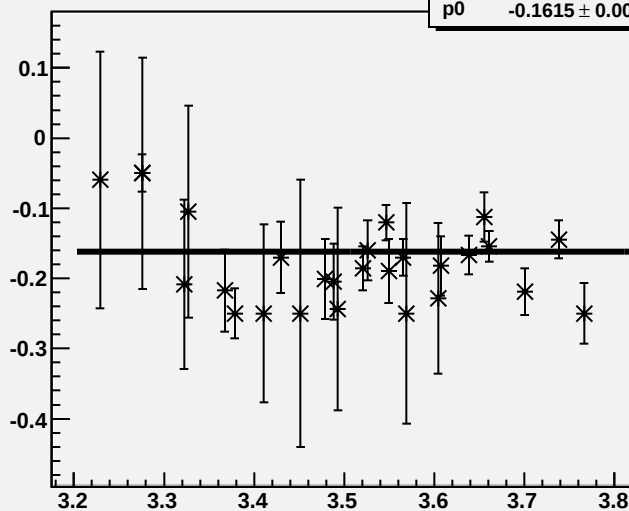
TMatrixFBase
Entries 288
Mean x 3.506
Mean y 2.738
RMS x 2.067
RMS y 0.8056



χ^2 / ndf 82.47 / 26
p0 $4.206\text{e-}10 \pm 2.05\text{e-}11$
p1 6 ± 0

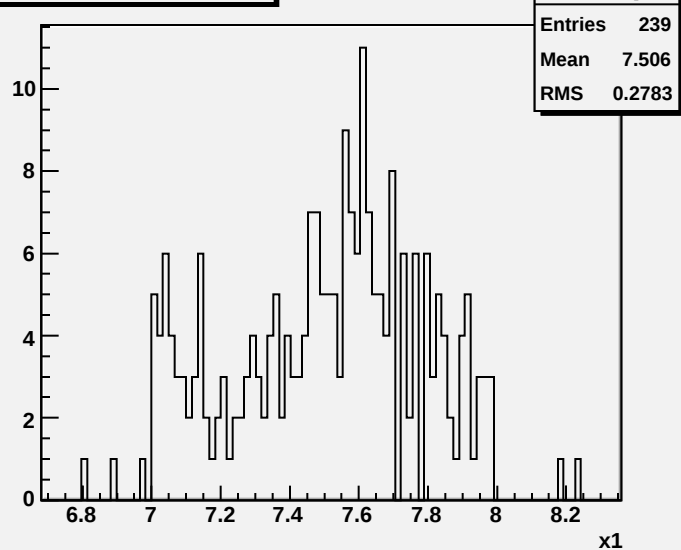


χ^2 / ndf 41.77 / 26
p0 -0.1615 ± 0.007754



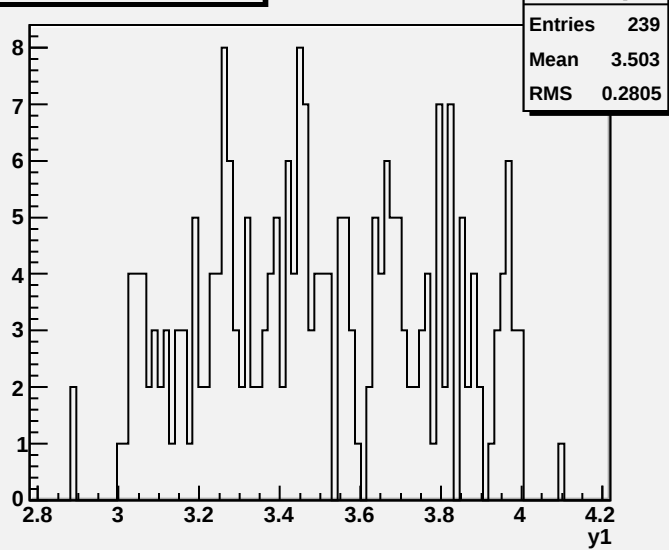
x1 {er>20 && mr<.25}

htemp

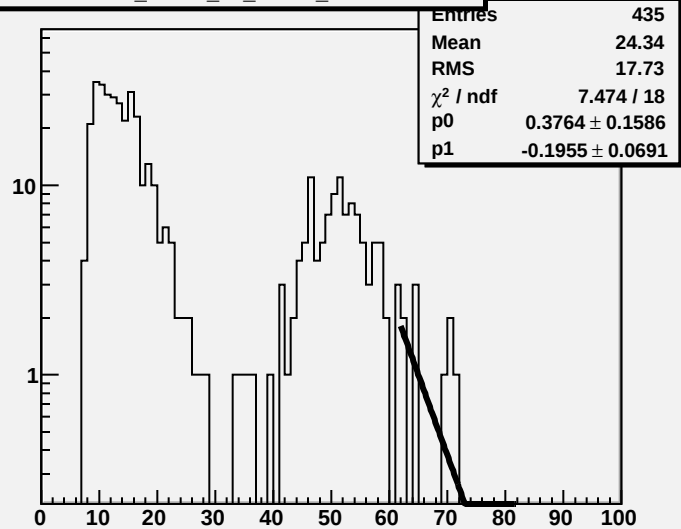


y1 {er>20 && mr<.25}

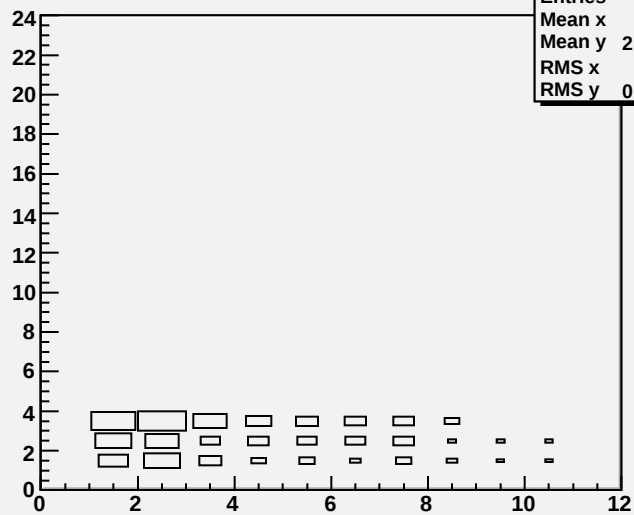
htemp



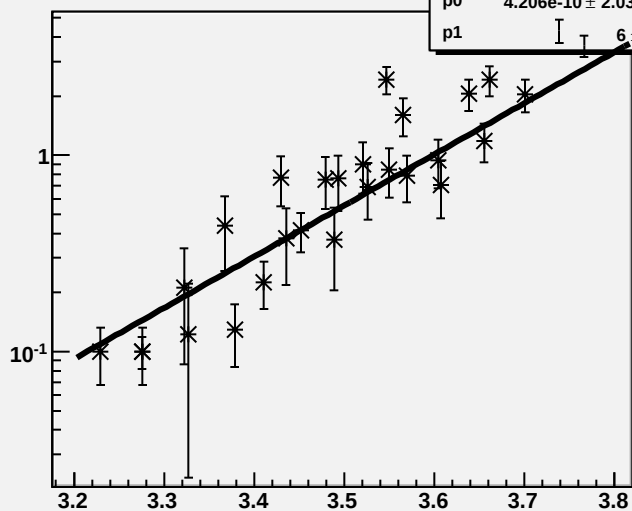
../Code2/data2/_Cellr3_c8_3.root_Y=3.4355795.2 En 3 8 3



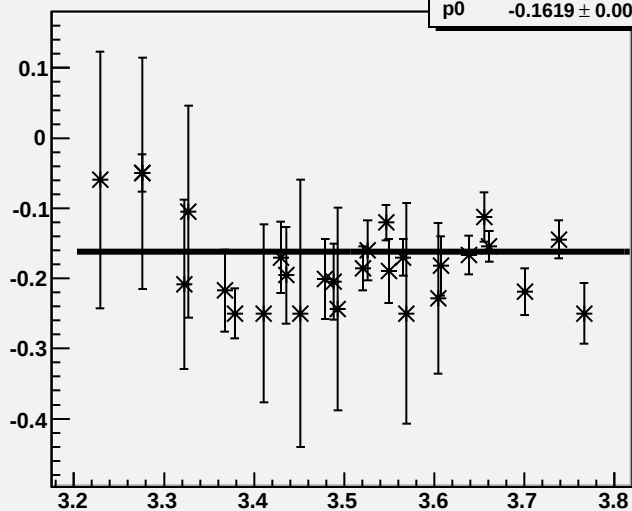
TMatrixFBase
Entries 288
Mean x 3.57
Mean y 2.748
RMS x 2.13
RMS y 0.805



χ^2 / ndf 82.47 / 27
p0 $4.206\text{e-}10 \pm 2.036\text{e-}11$
p1 6 ± 0

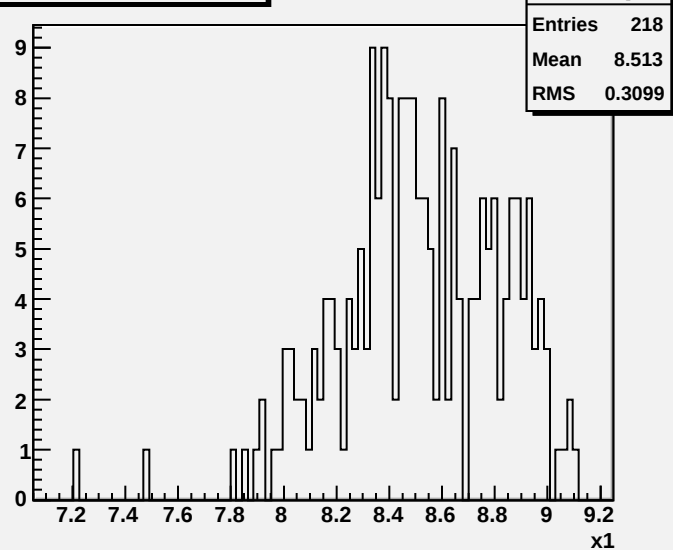


χ^2 / ndf 42.01 / 27
p0 -0.1619 ± 0.007706



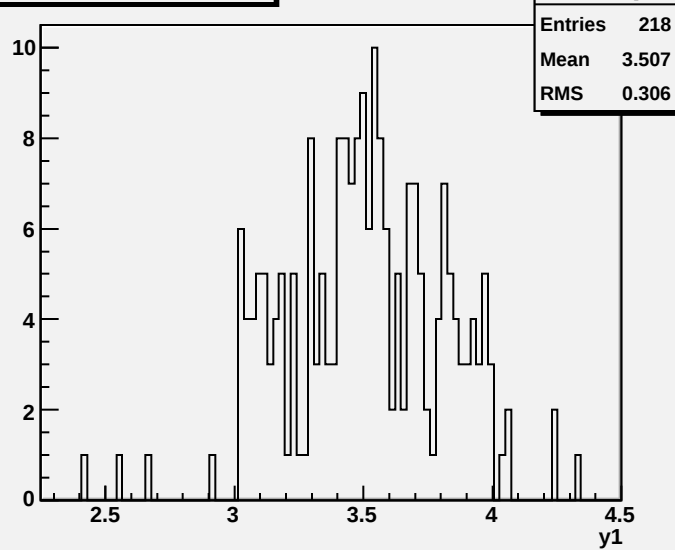
x1 {er>20 && mr<.25}

htemp

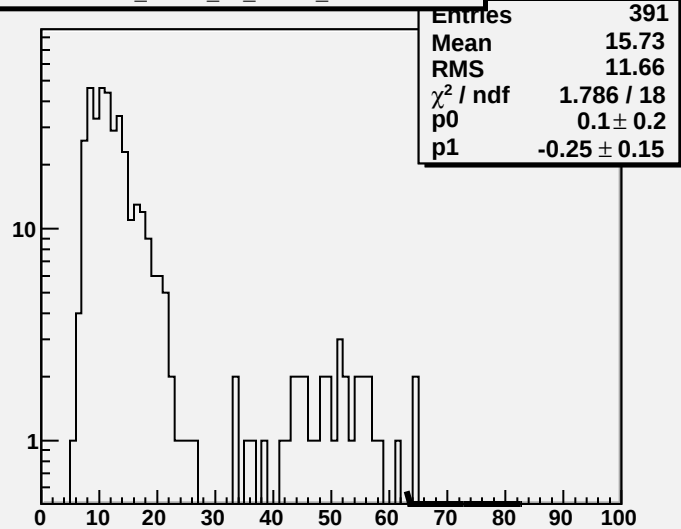


y1 {er>20 && mr<.25}

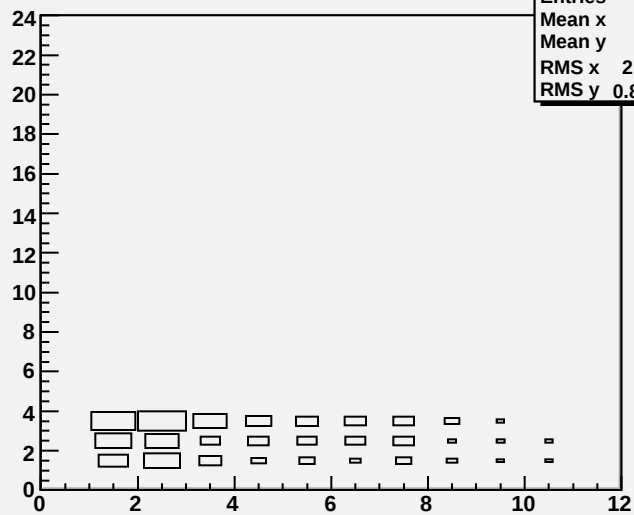
htemp



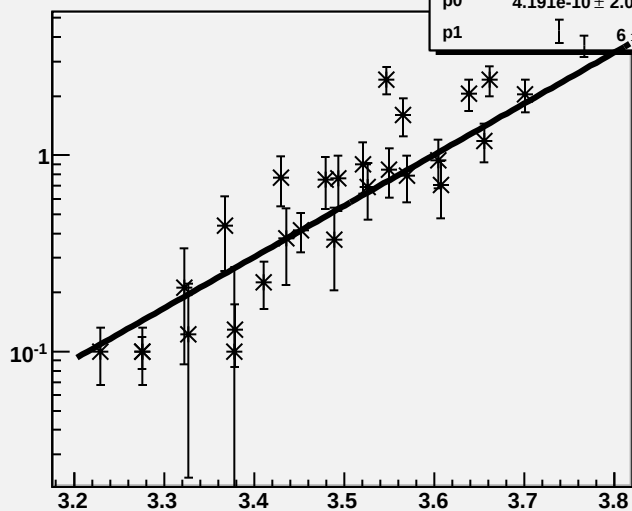
../Code2/data2/_Cellr3_c9_3.root_Y=3.3781575.2 En 3 9 3



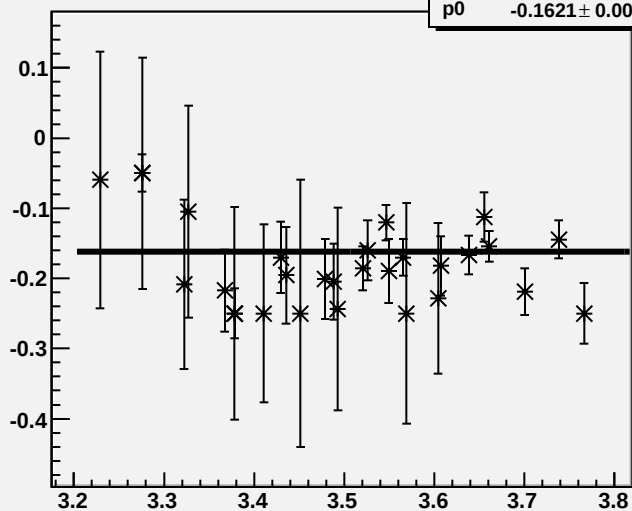
TMatrixFBase
Entries 288
Mean x 3.59
Mean y 2.75
RMS x 2.154
RMS y 0.8049



χ^2 / ndf 83.42 / 28
p0 $4.191\text{e-}10 \pm 2.03\text{e-}11$
p1 6 ± 0



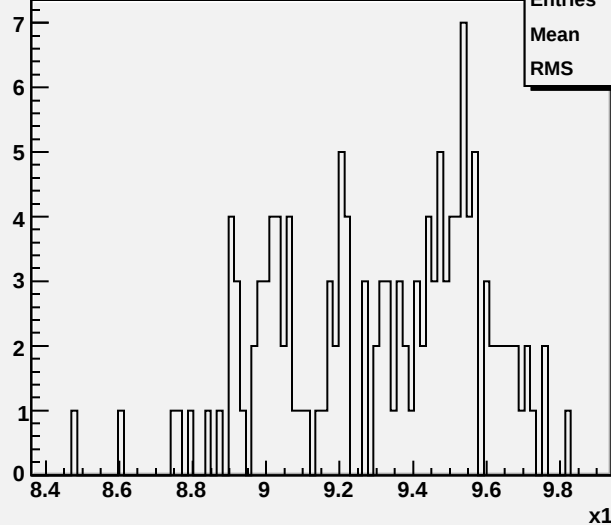
χ^2 / ndf 42.35 / 28
p0 -0.1621 ± 0.007696



x1 {er>20 && mr<.25}

htemp

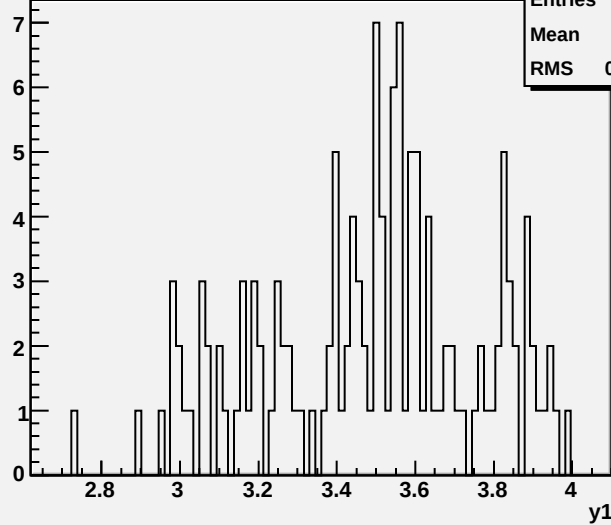
Entries 138
Mean 9.309
RMS 0.274

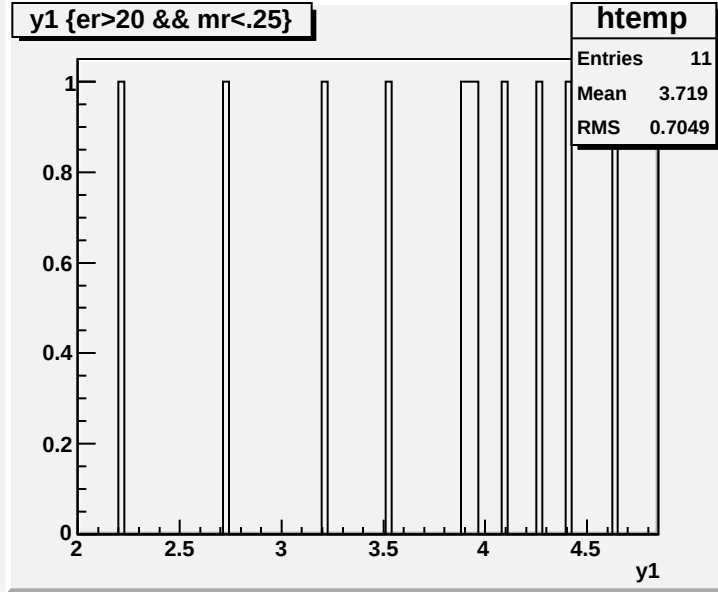
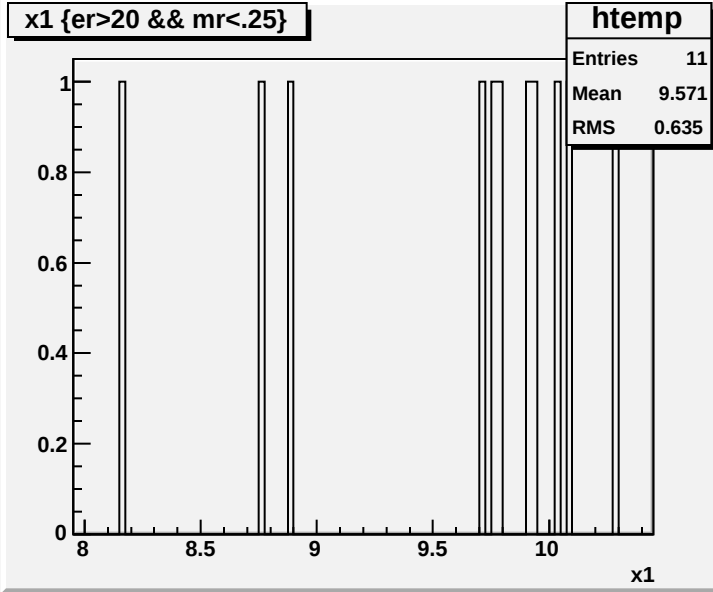
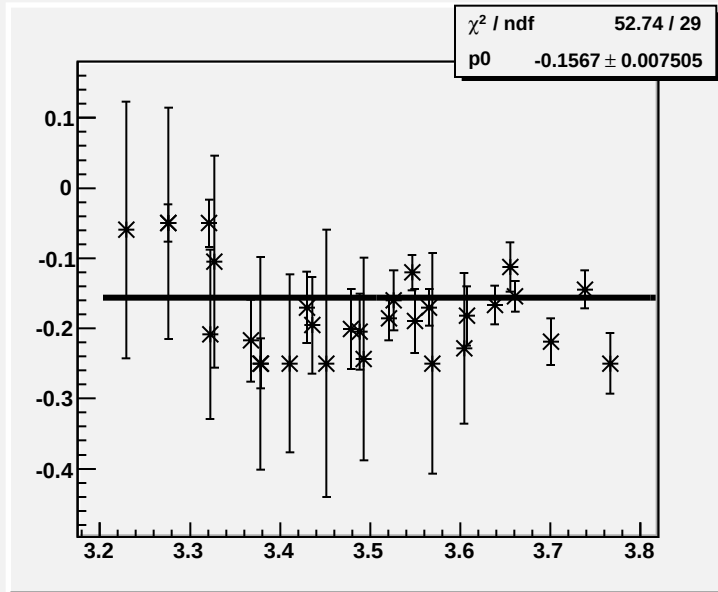
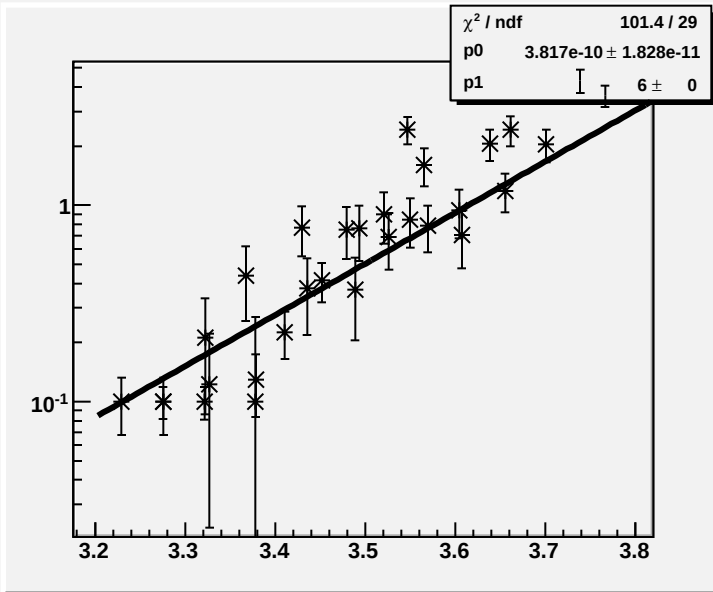
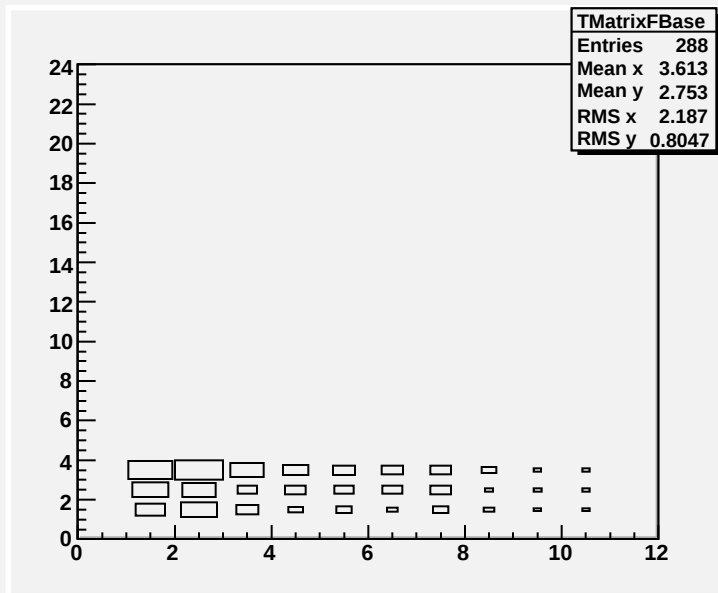
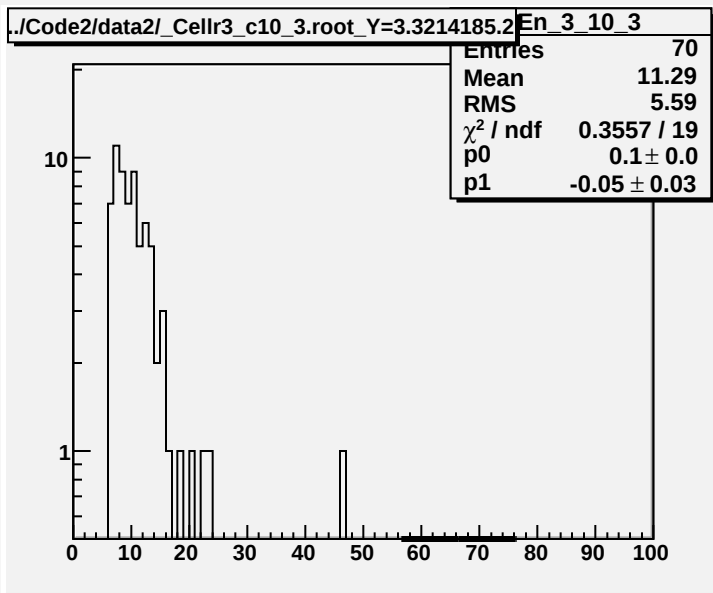


y1 {er>20 && mr<.25}

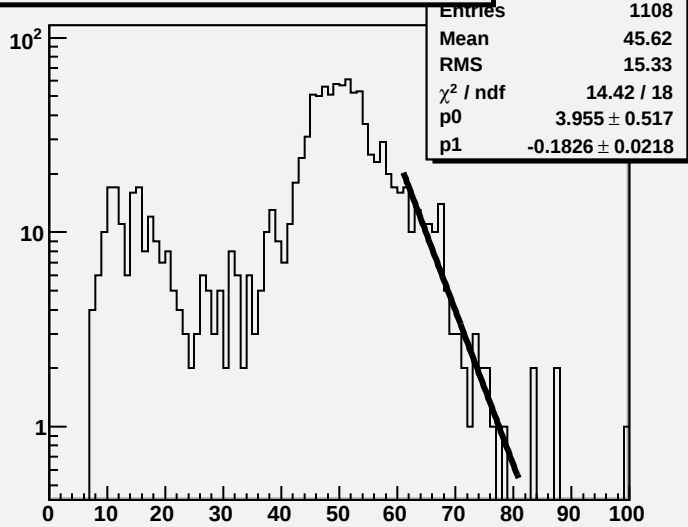
htemp

Entries 138
Mean 3.487
RMS 0.2751

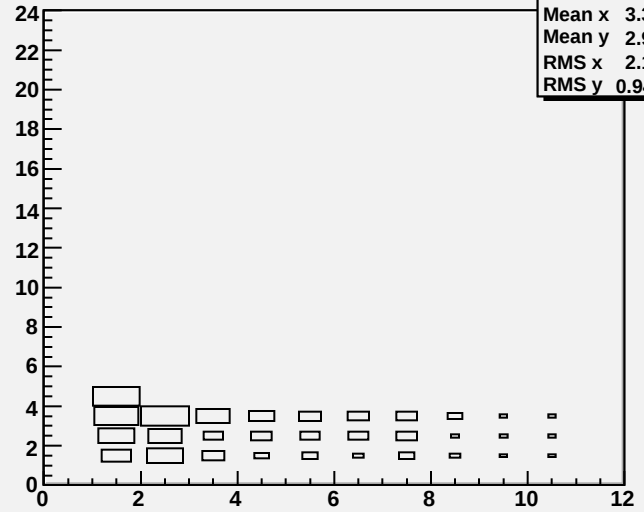




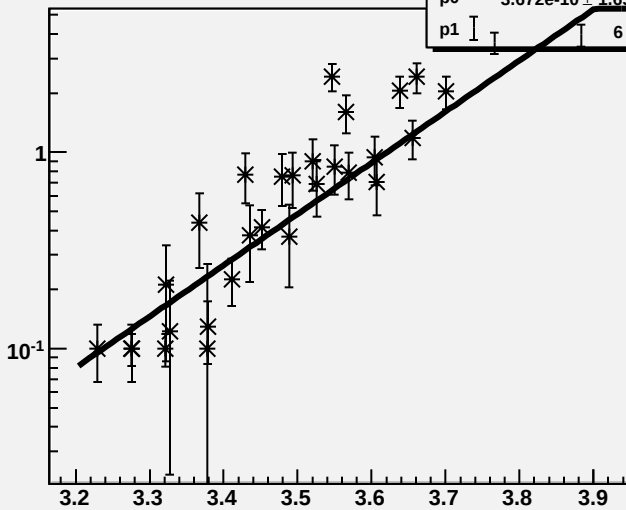
../Code2/data2/_Cellr4_c1_3.root_Y=3.8833745.2 En 4 1 3



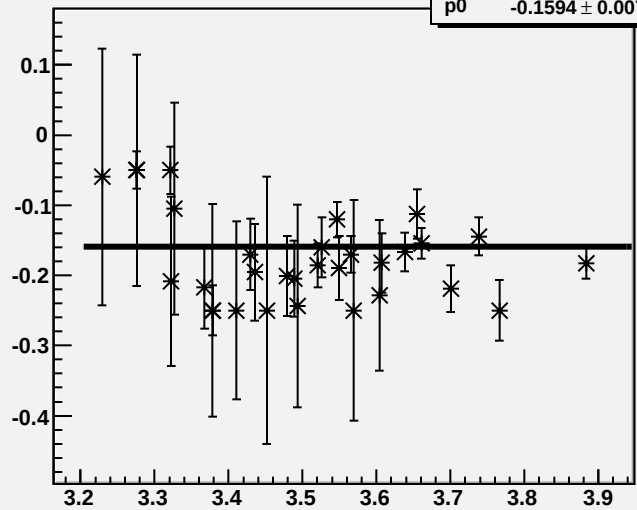
TMatrixFBase
Entries 288
Mean x 3.364
Mean y 2.959
RMS x 2.164
RMS y 0.9427



χ^2 / ndf 104.9 / 30
p0 $3.672\text{e-}10 \pm 1.657\text{e-}11$
p1 6 ± 0

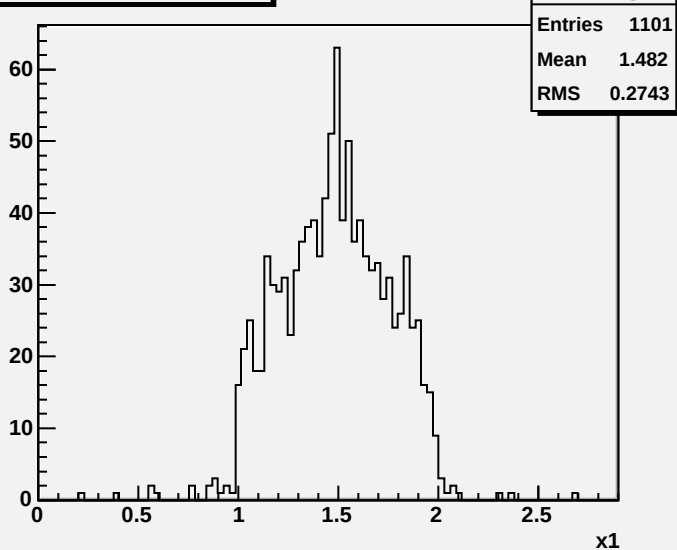


χ^2 / ndf 54.01 / 30
p0 -0.1594 ± 0.007096



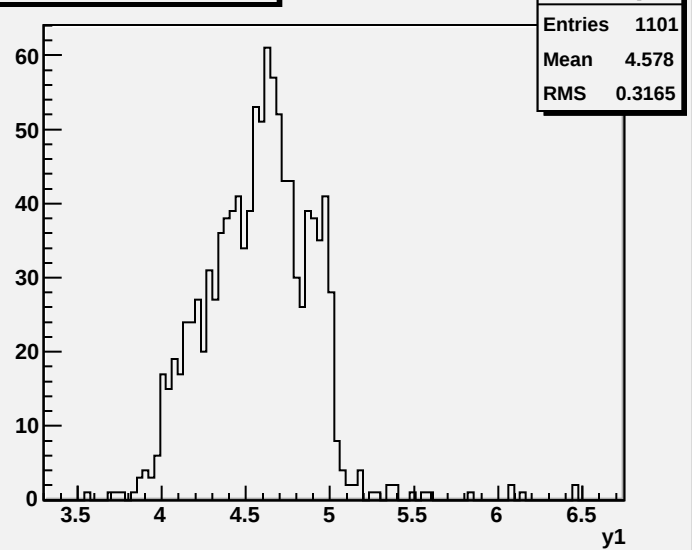
x1 {er>20 && mr<.25}

htemp

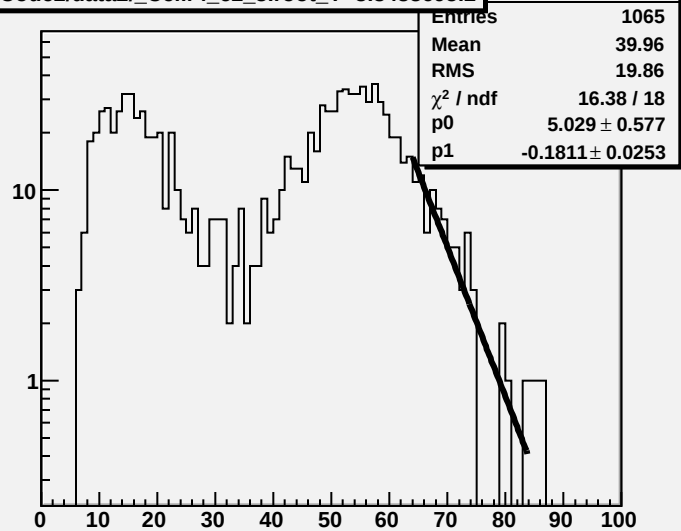


y1 {er>20 && mr<.25}

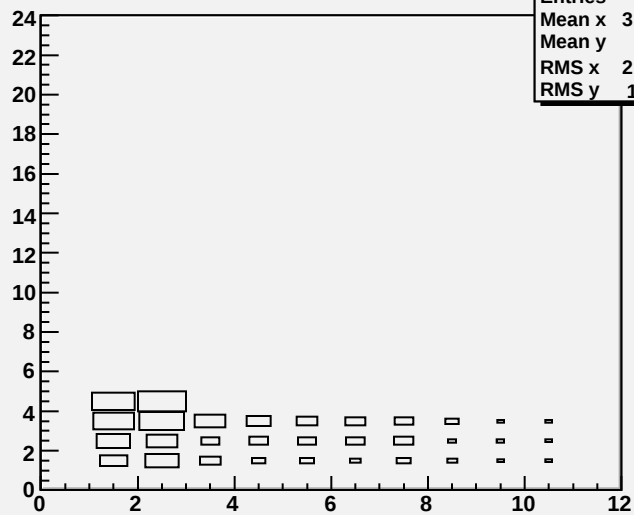
htemp



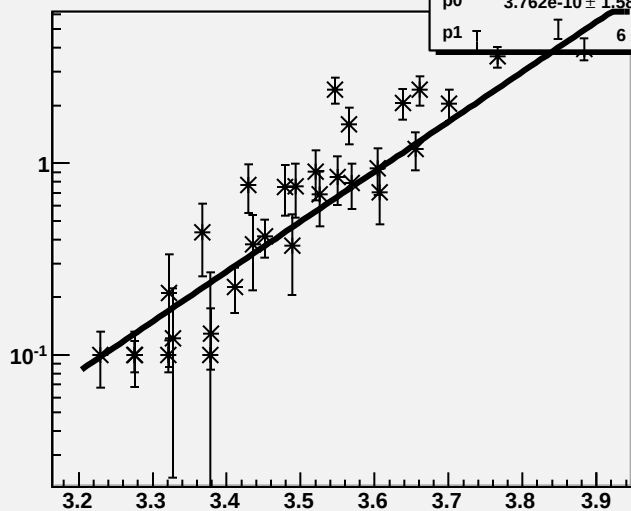
../Code2/data2/_Cellr4_c2_3.root_Y=3.8483695.2 En 4 2 3



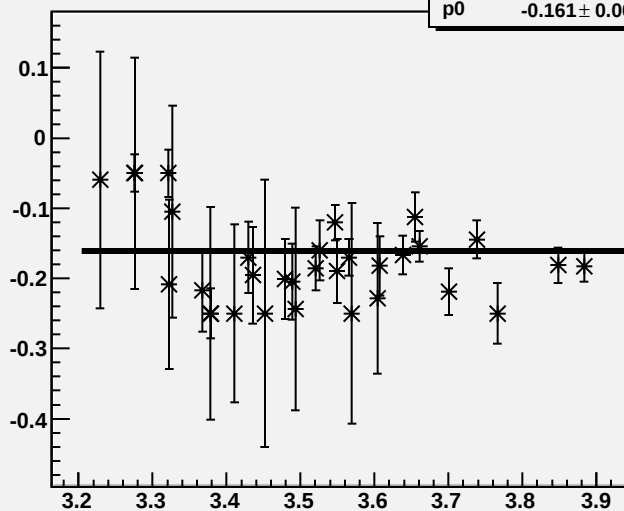
TMatrixFBase
Entries 288
Mean x 3.252
Mean y 3.16
RMS x 2.039
RMS y 1.021



χ^2 / ndf 108.3 / 31
p0 $3.762e-10 \pm 1.585e-11$
p1 6 ± 0

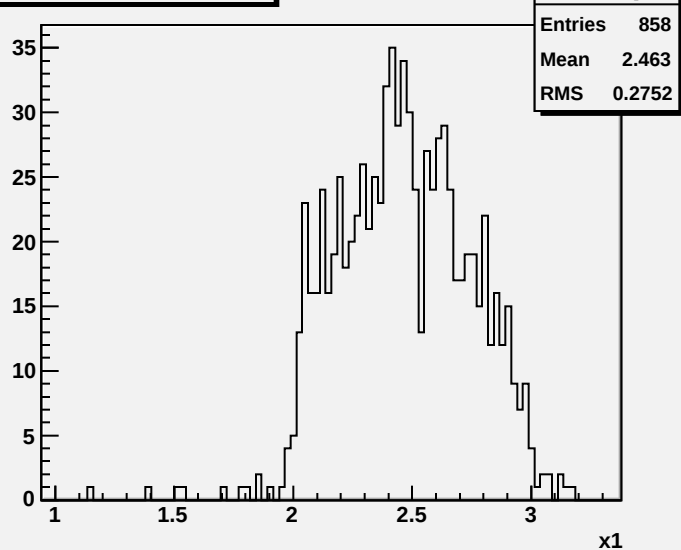


χ^2 / ndf 54.7 / 31
p0 -0.161 ± 0.006832



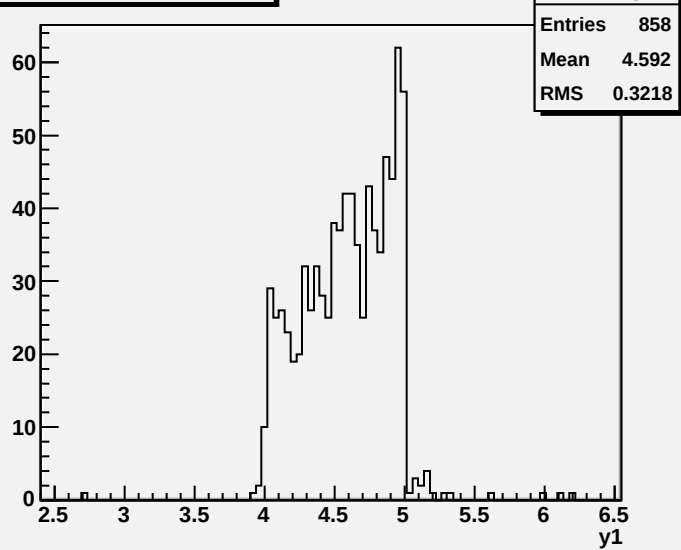
x1 {er>20 && mr<.25}

htemp

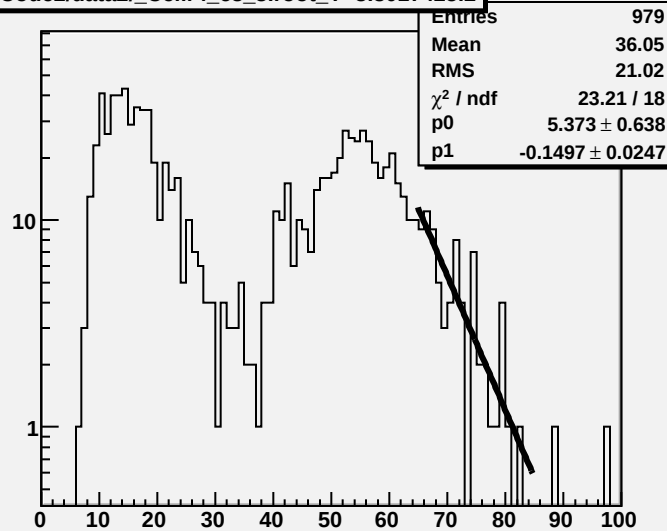


y1 {er>20 && mr<.25}

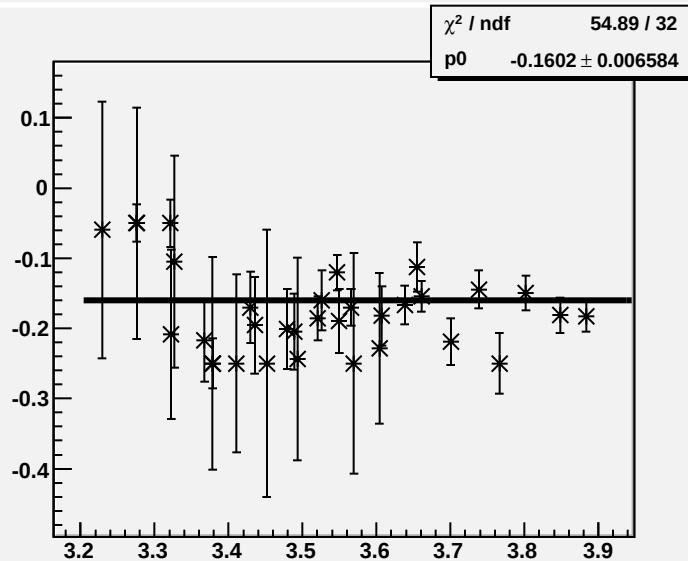
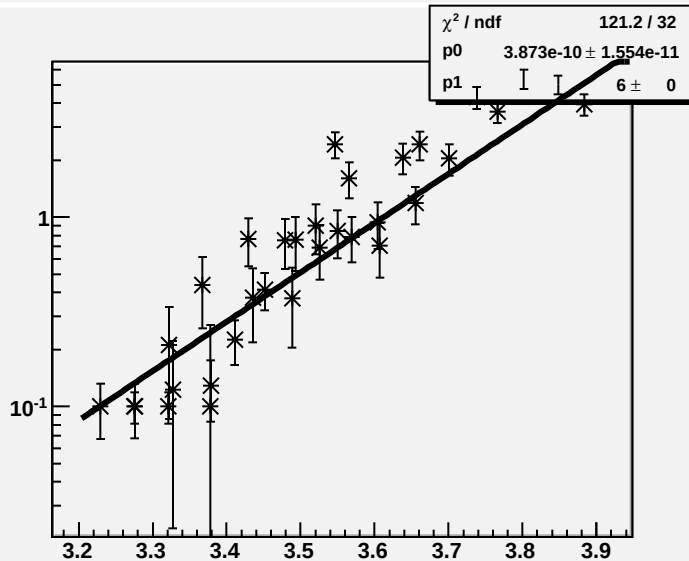
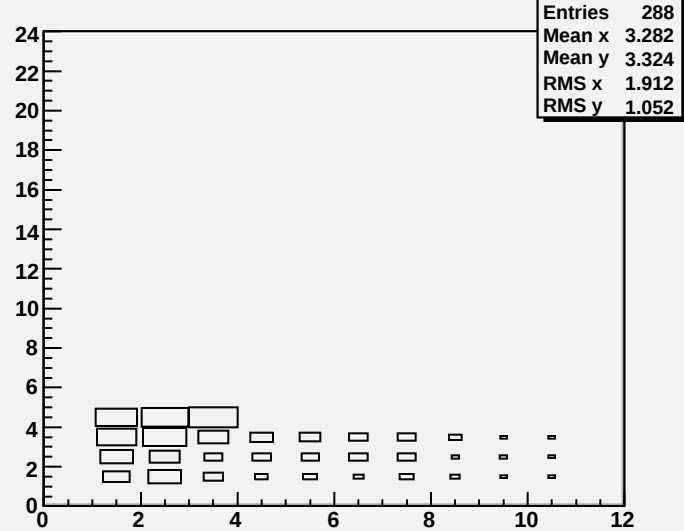
htemp



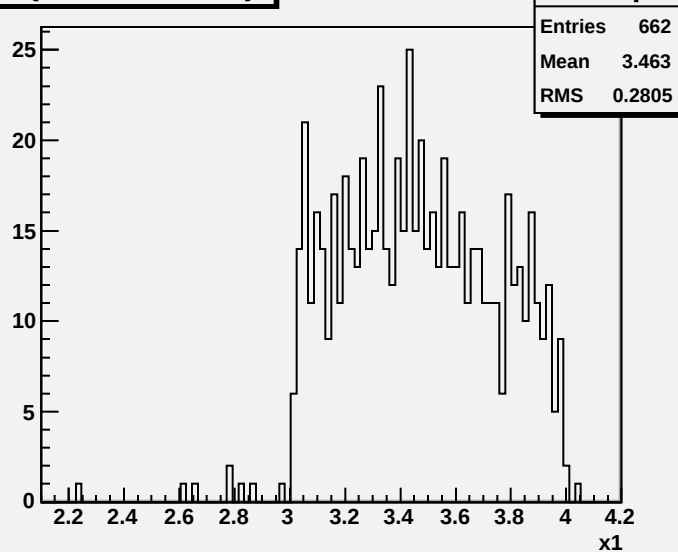
../Code2/data2/_Cellr4_c3_3.root_Y=3.8017425.2 En 4 3 3



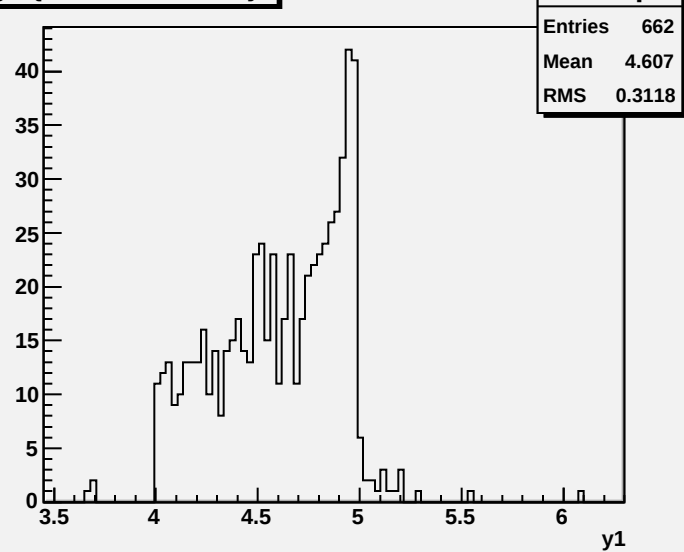
TMatrixFBase



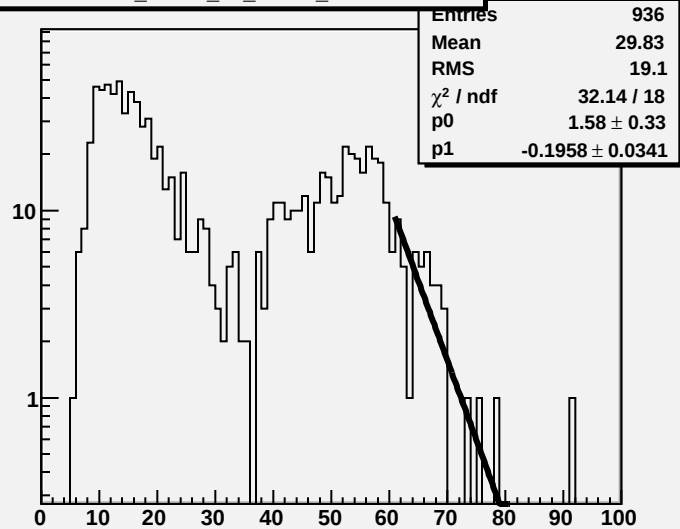
x1 {er>20 && mr<.25}



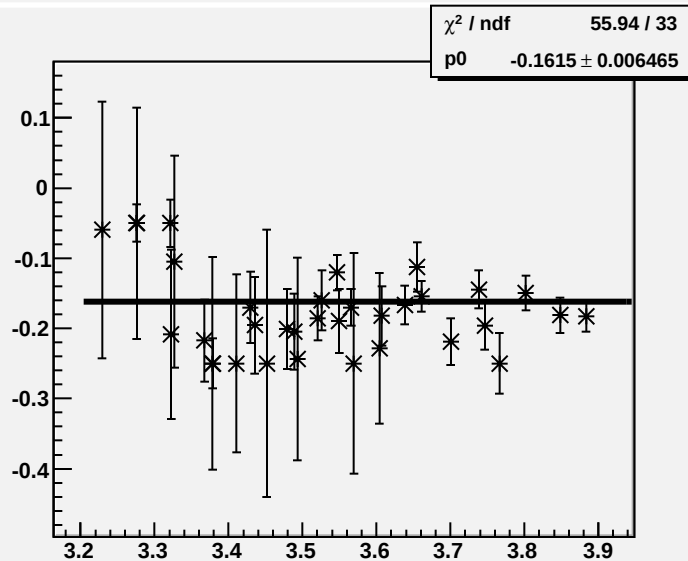
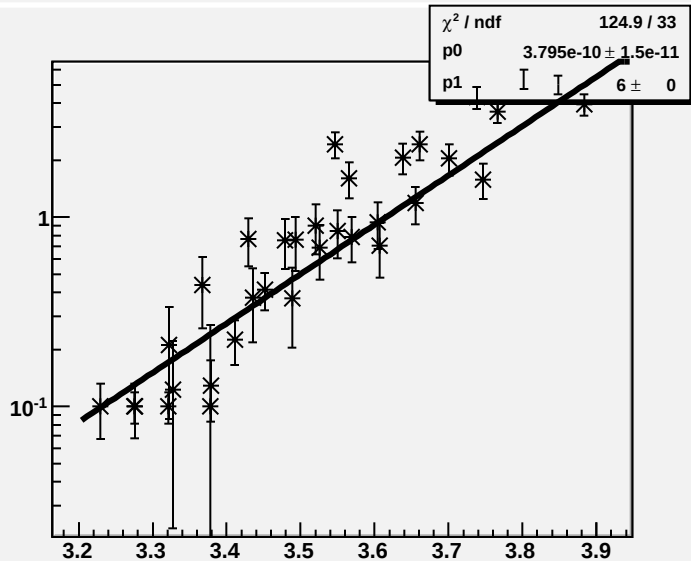
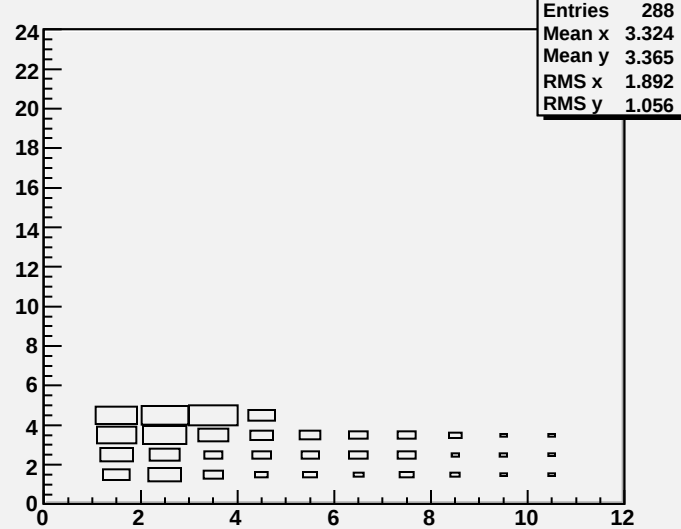
y1 {er>20 && mr<.25}



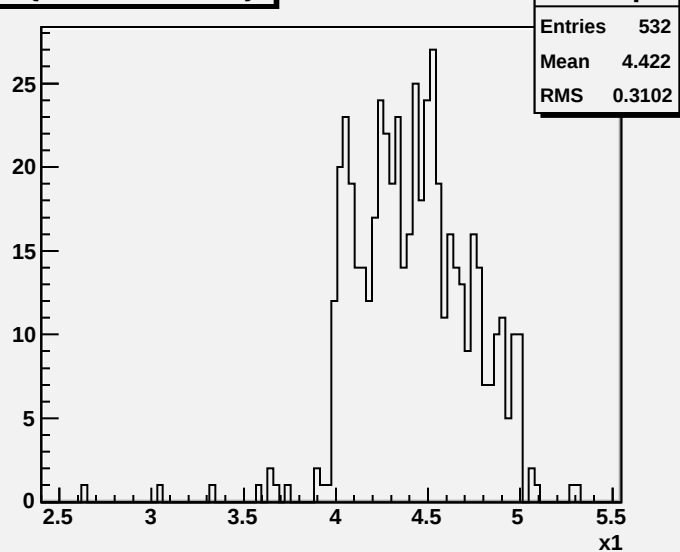
../Code2/data2/_Cellr4_c4_3.root_Y=3.7466575.2 En 4 4 3



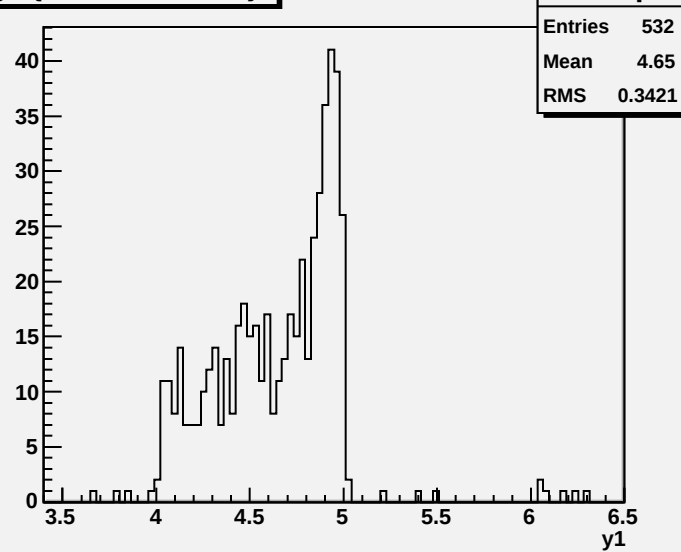
TMatrixFBase



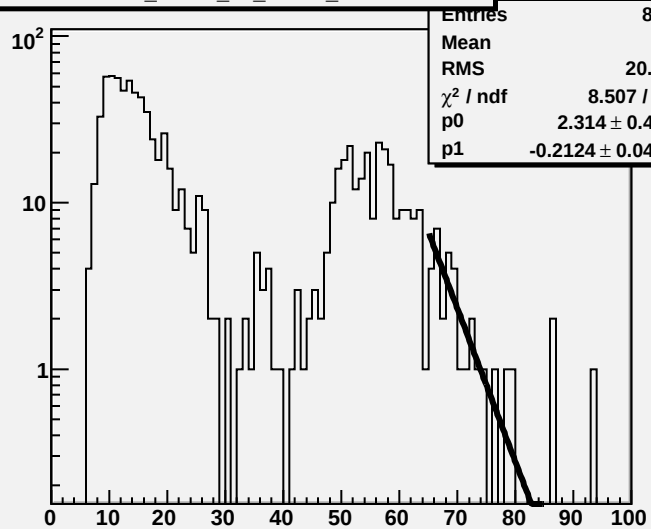
x1 {er>20 && mr<.25}



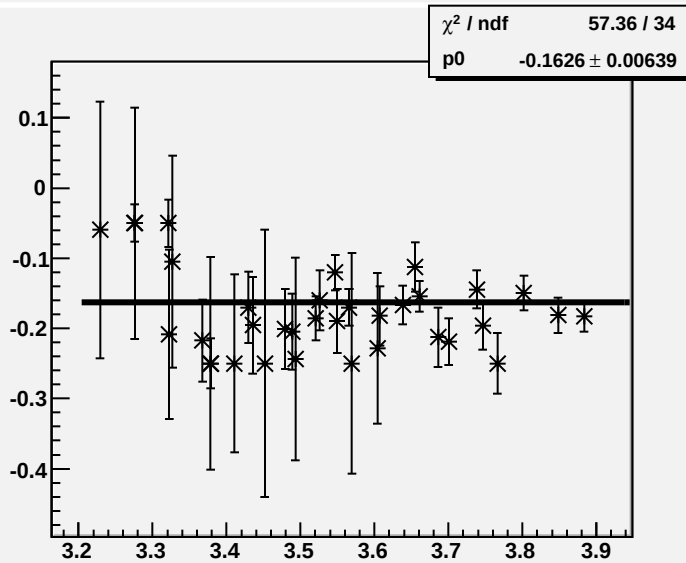
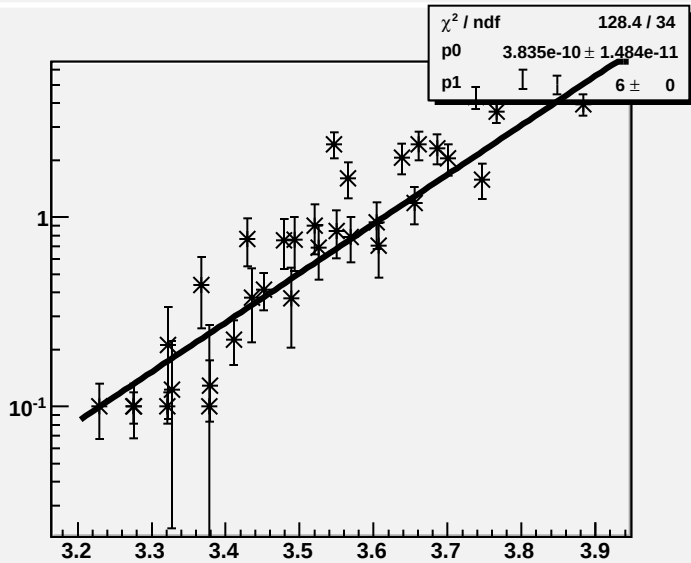
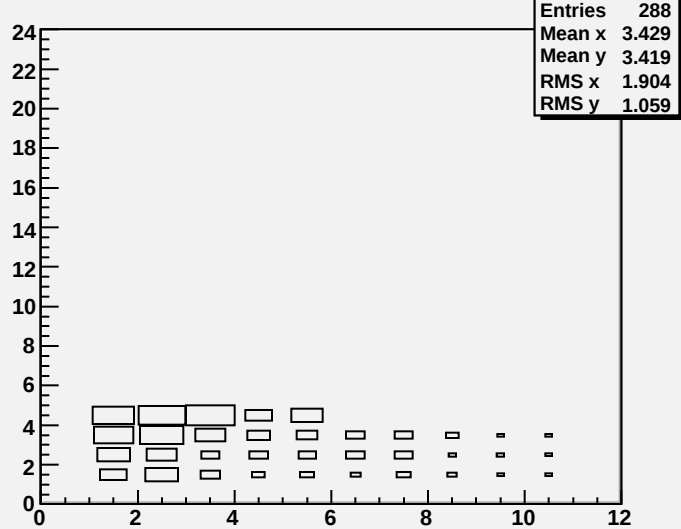
y1 {er>20 && mr<.25}



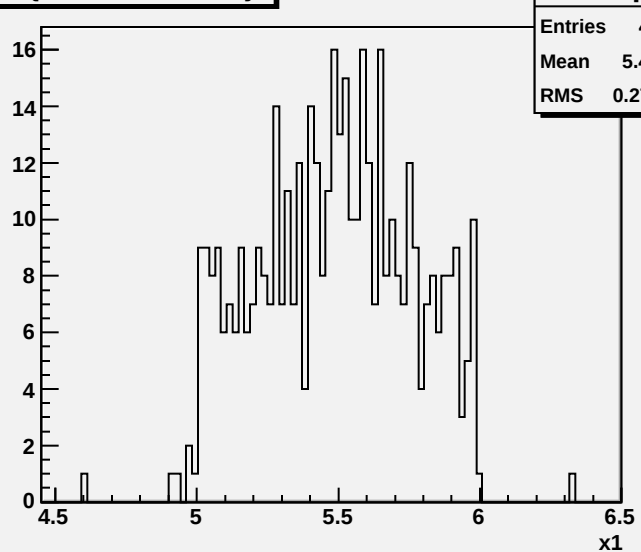
../Code2/data2/_Cellr4_c5_3.root_Y=3.6860505.2 En 4 5 3



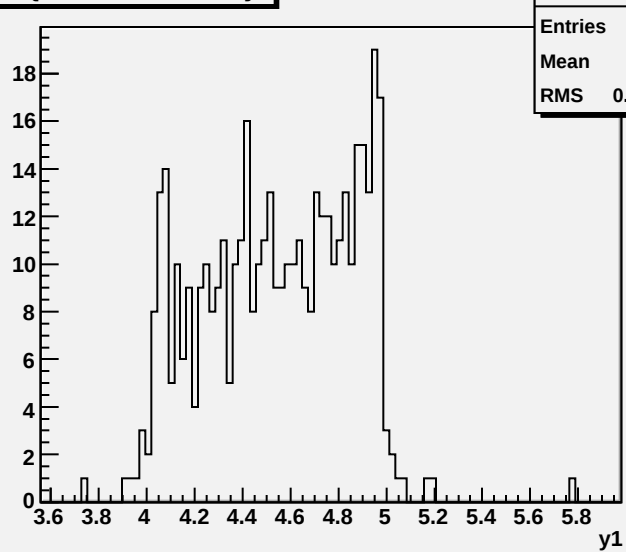
TMatrixFBase



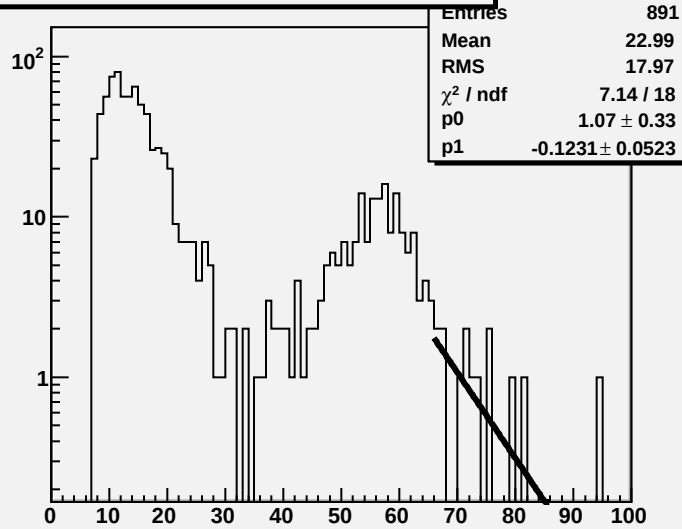
x1 {er>20 && mr<.25}



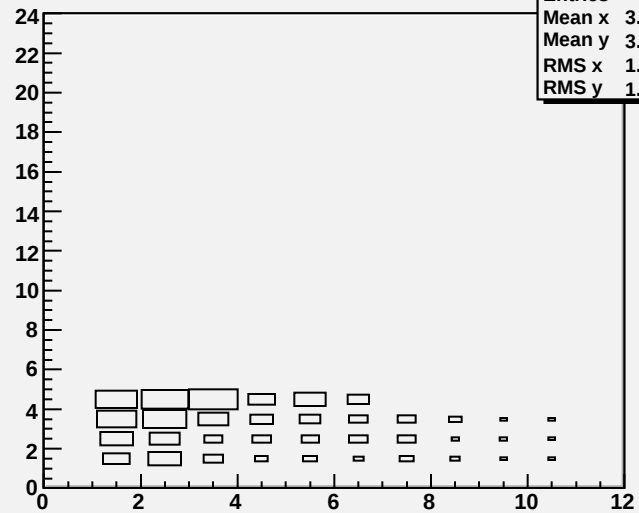
y1 {er>20 && mr<.25}



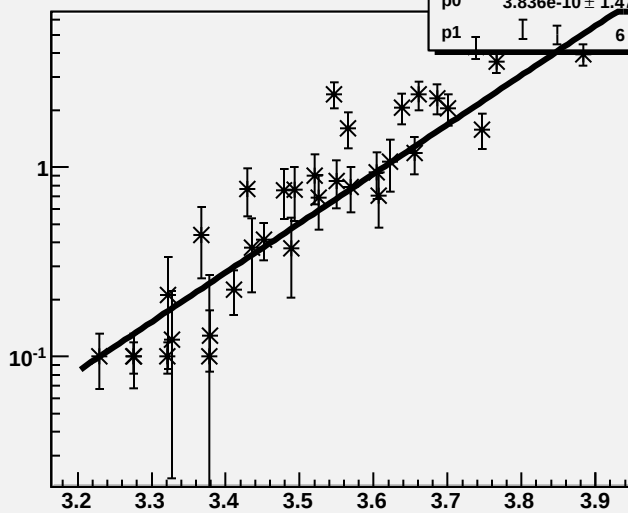
../Code2/data2/_Cellr4_c6_3.root_Y=3.6223435.2 En 4 6 3



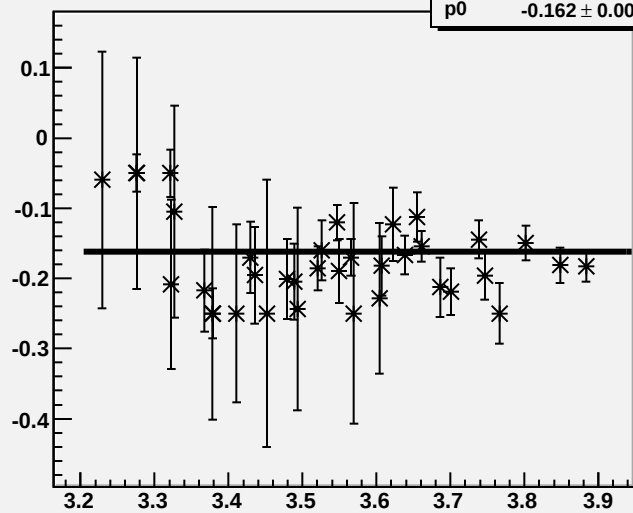
TMatrixFBase
Entries 288
Mean x 3.497
Mean y 3.443
RMS x 1.936
RMS y 1.059



χ^2 / ndf 128.4 / 35
p0 $3.836\text{e-}10 \pm 1.473\text{e-}11$
p1 6 ± 0

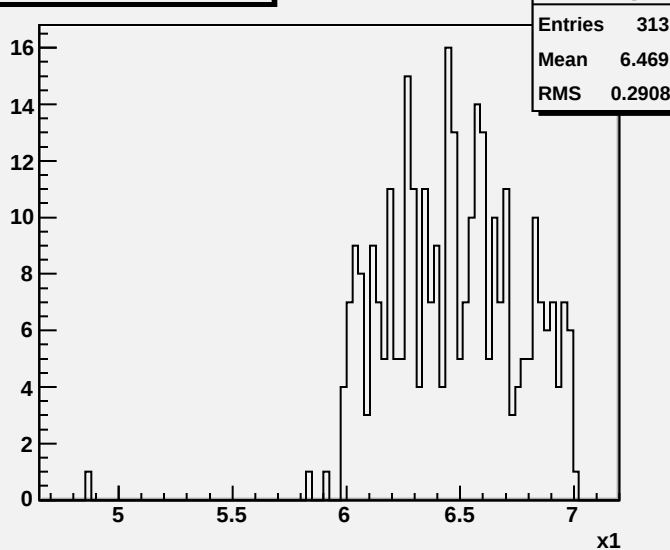


χ^2 / ndf 57.92 / 35
p0 -0.162 ± 0.006343



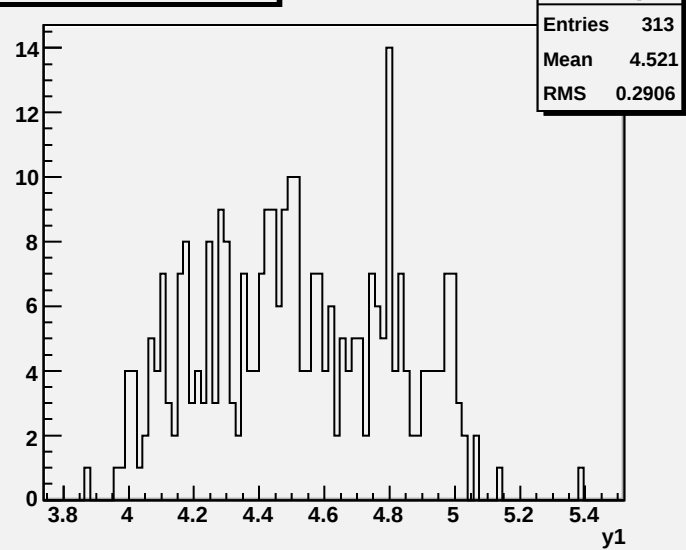
x1 {er>20 && mr<.25}

htemp

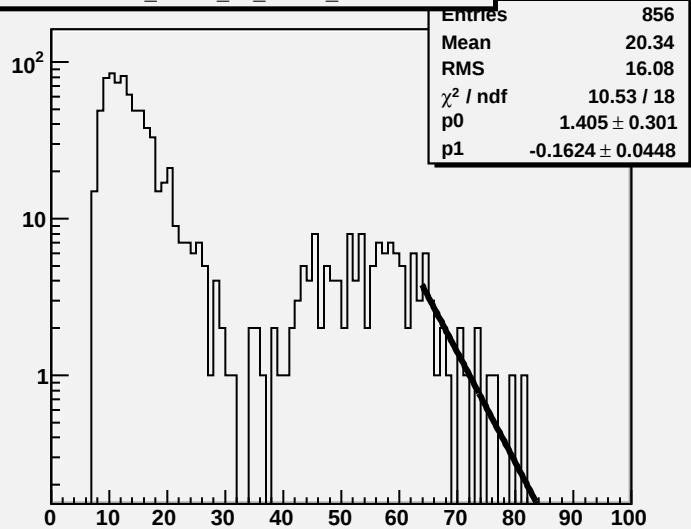


y1 {er>20 && mr<.25}

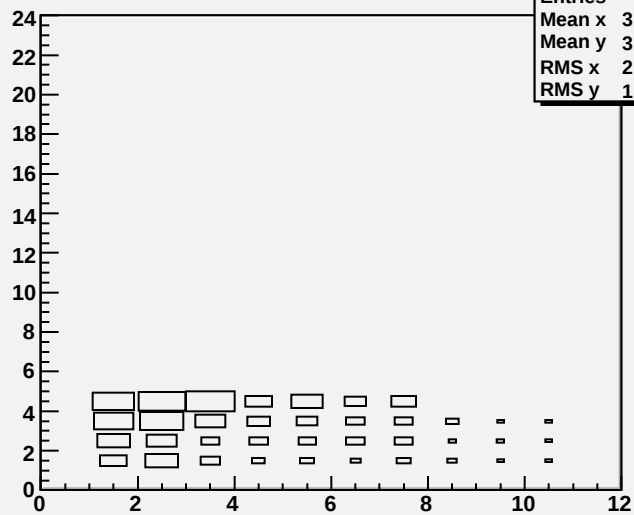
htemp



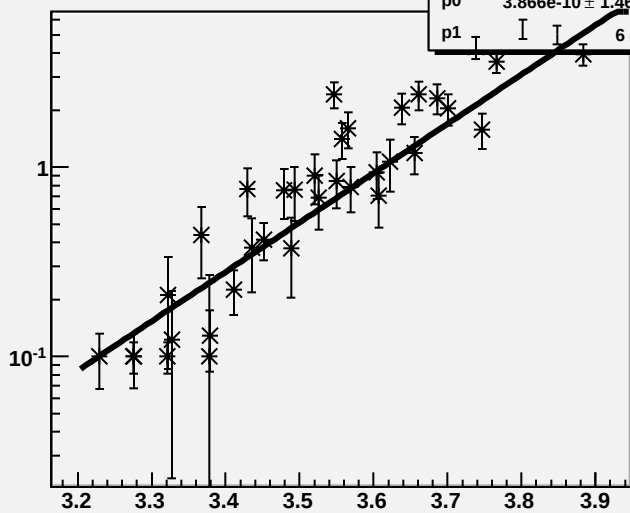
../Code2/data2/ _Cellr4_c7_3.root_Y=3.5573825.2 En 4 7 3



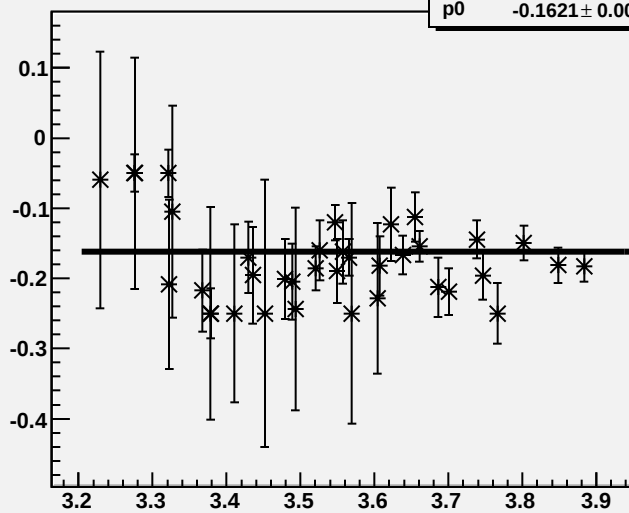
TMatrixFBase
Entries 288
Mean x 3.608
Mean y 3.473
RMS x 2.019
RMS y 1.058



χ^2 / ndf 133.6 / 36
p0 $3.866\text{e-}10 \pm 1.467\text{e-}11$
p1 6 ± 0



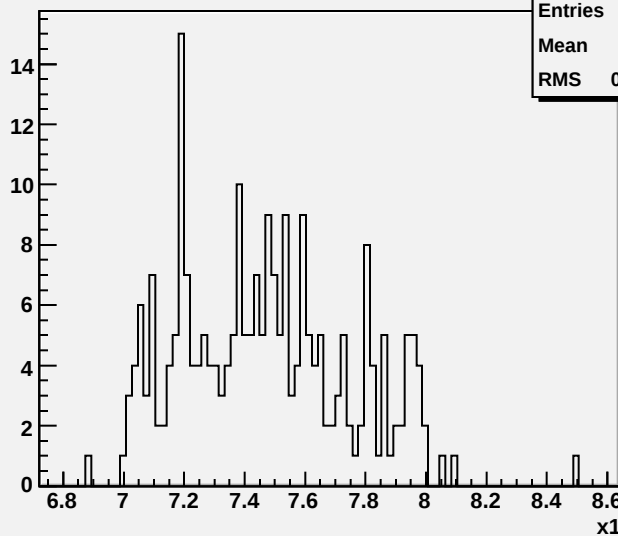
χ^2 / ndf 57.92 / 36
p0 -0.1621 ± 0.006281



x1 {er>20 && mr<.25}

htemp

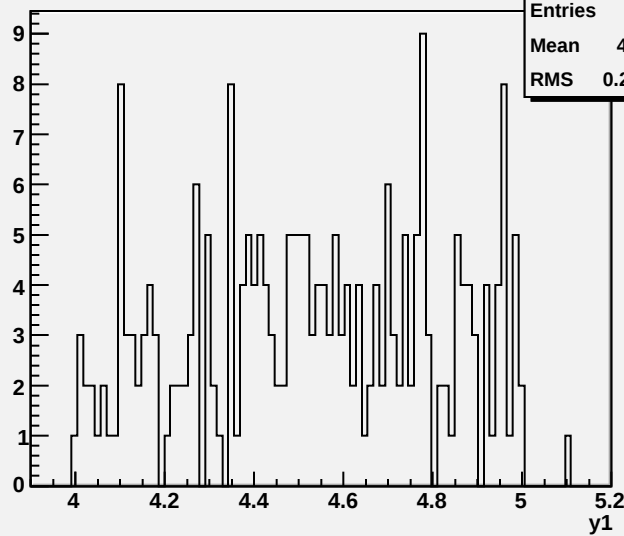
Entries 244
Mean 7.471
RMS 0.2809



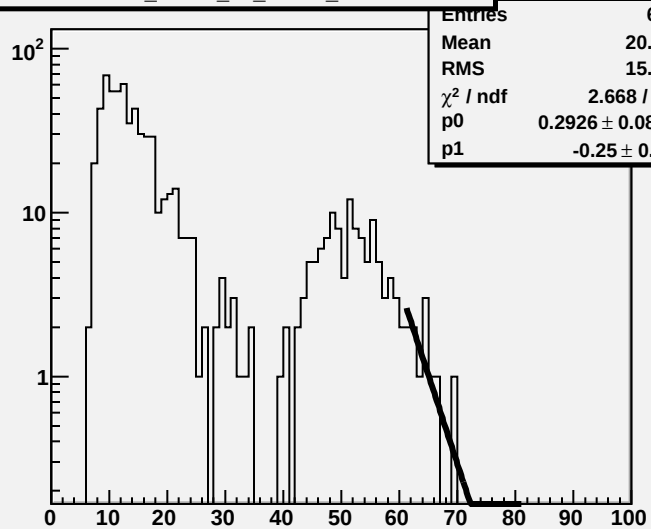
y1 {er>20 && mr<.25}

htemp

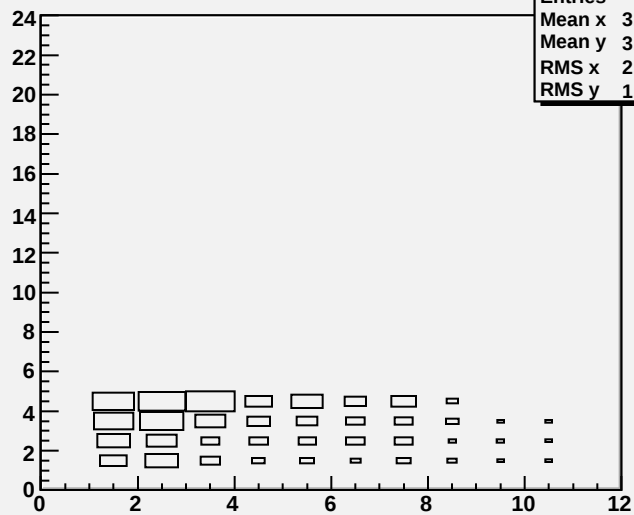
Entries 244
Mean 4.531
RMS 0.2785



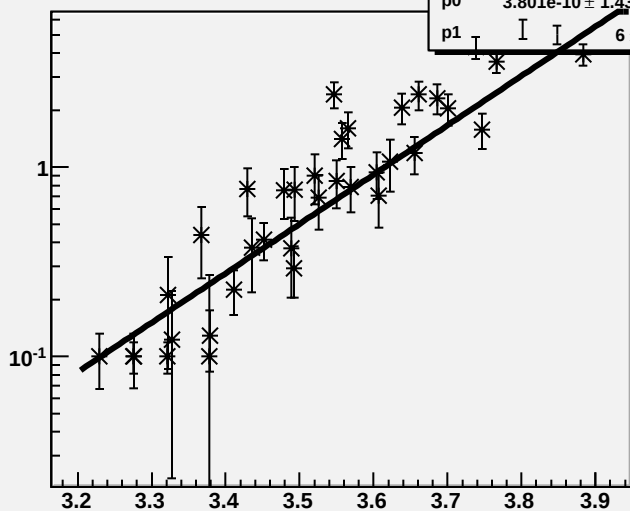
../Code2/data2/_Cellr4_c8_3.root_Y=3.4924835.2 En 4 8 3



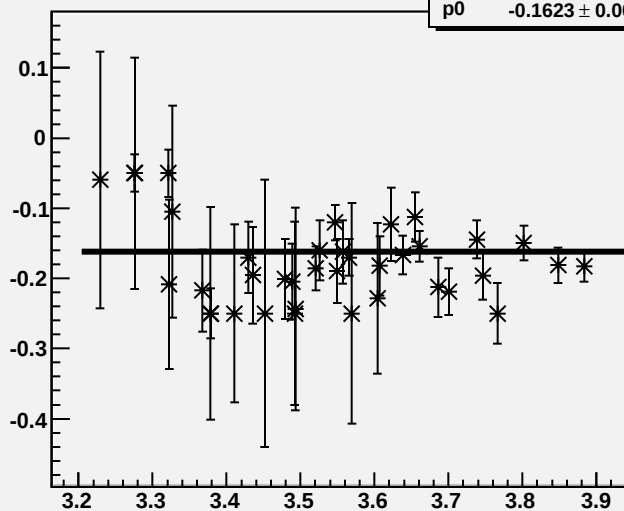
TMatrixFBase
Entries 288
Mean x 3.637
Mean y 3.479
RMS x 2.047
RMS y 1.058



χ^2 / ndf 138.3 / 37
p0 $3.801\text{e-}10 \pm 1.435\text{e-}11$
p1 6 ± 0



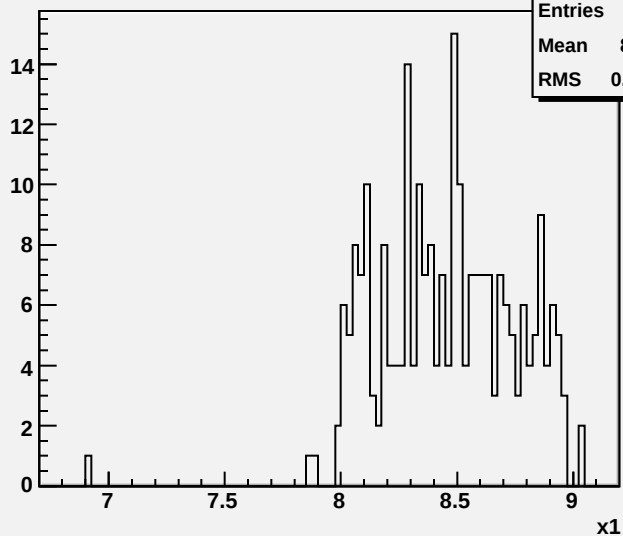
χ^2 / ndf 58.38 / 37
p0 -0.1623 ± 0.006274



x1 {er>20 && mr<.25}

htemp

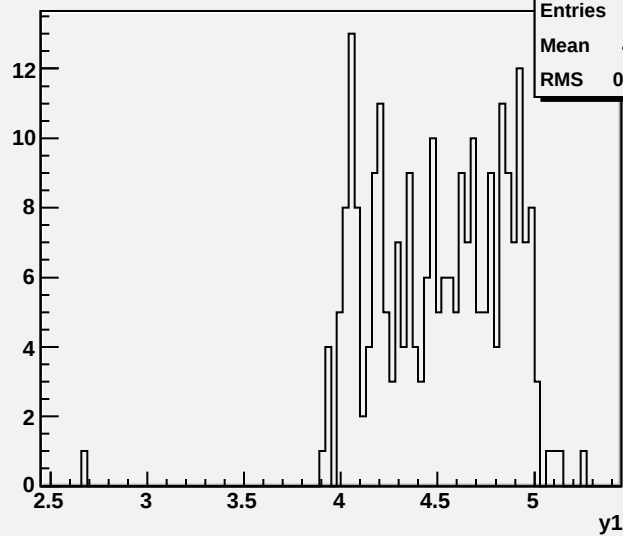
Entries 249
Mean 8.459
RMS 0.2945



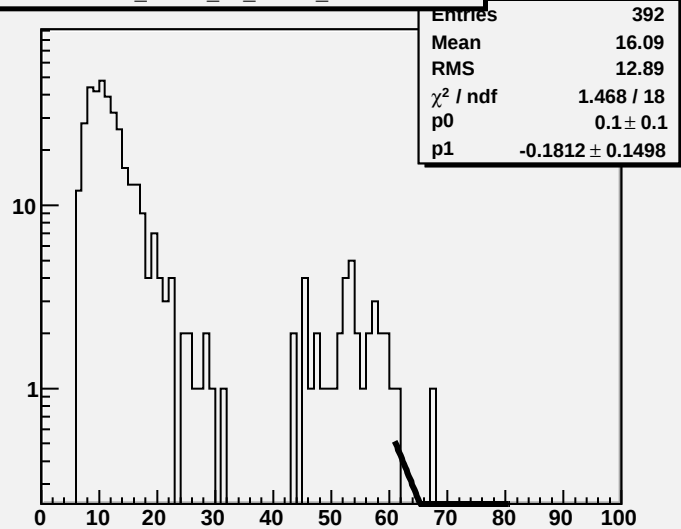
y1 {er>20 && mr<.25}

htemp

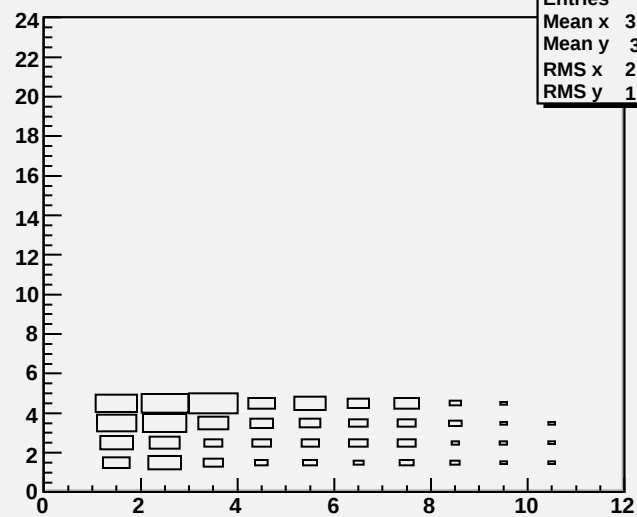
Entries 249
Mean 4.509
RMS 0.3445



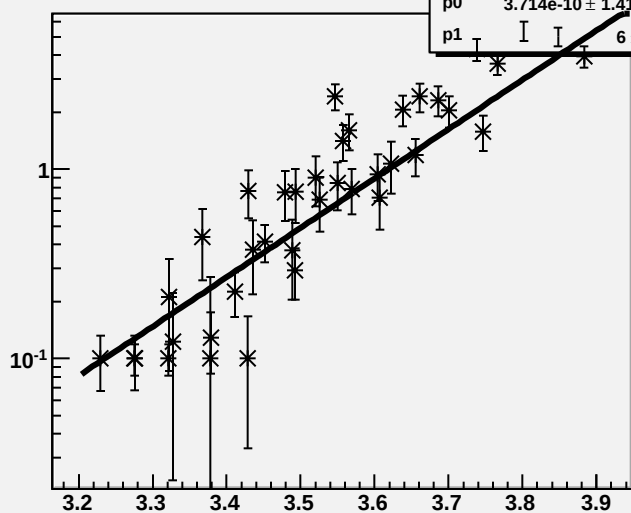
../Code2/data2/_Cellr4_c9_3.root_Y=3.4285385.2 En 4 9 3



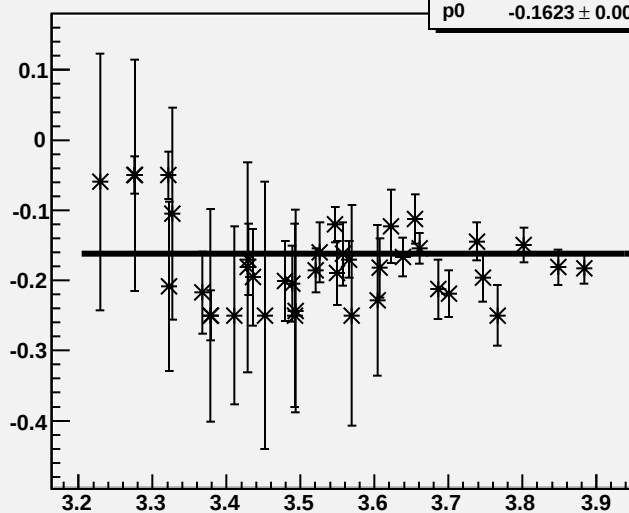
TMatrixFBase
Entries 288
Mean x 3.648
Mean y 3.481
RMS x 2.062
RMS y 1.058



χ^2 / ndf 149.5 / 38
p0 $3.714\text{e-}10 \pm 1.411\text{e-}11$
p1 6 ± 0



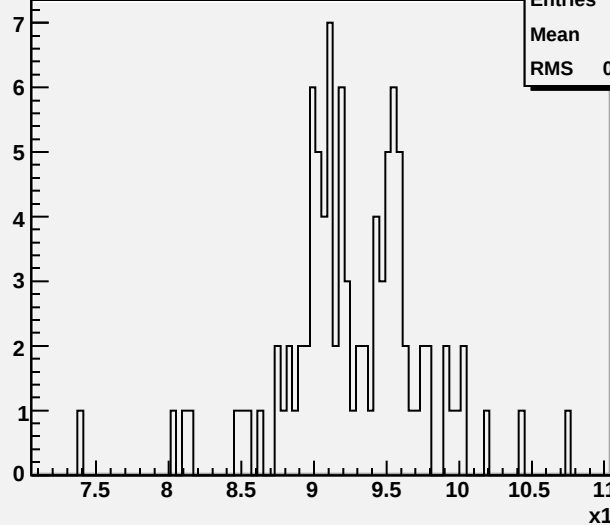
χ^2 / ndf 58.39 / 38
p0 -0.1623 ± 0.006268



x1 {er>20 && mr<.25}

htemp

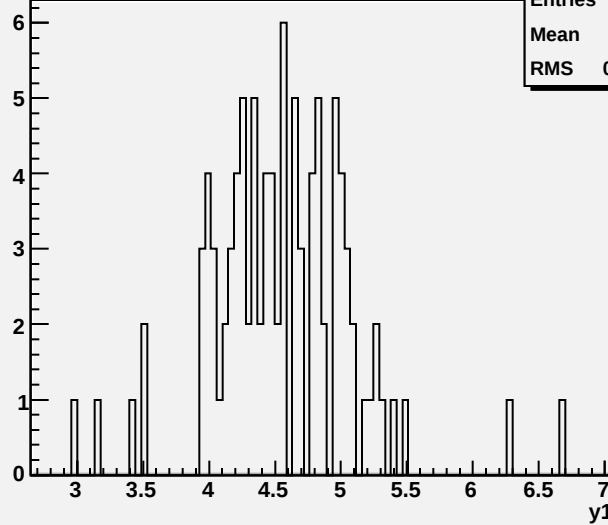
Entries 97
Mean 9.263
RMS 0.4886

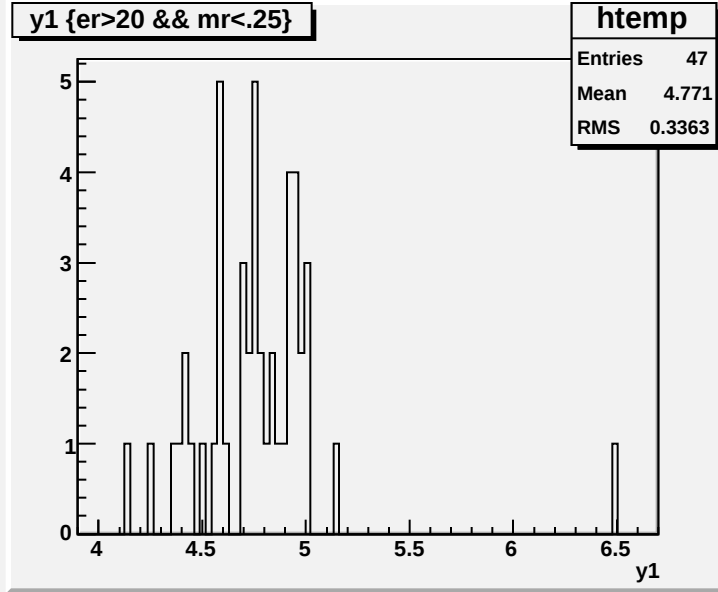
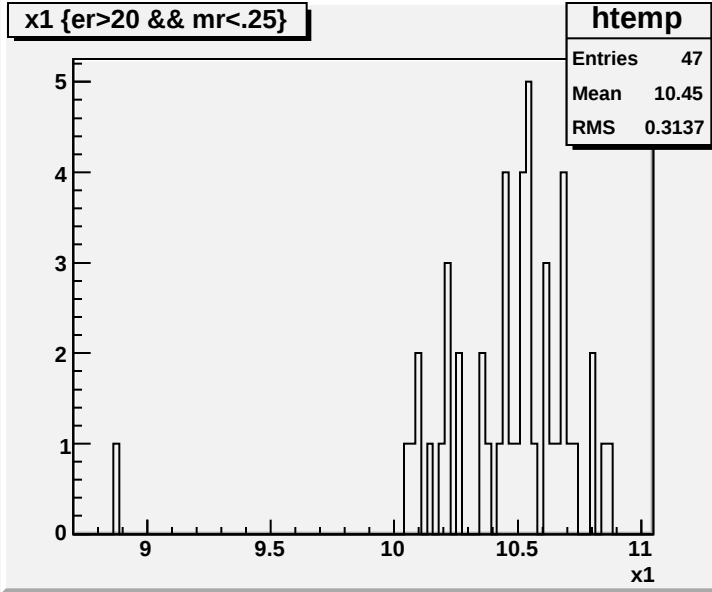
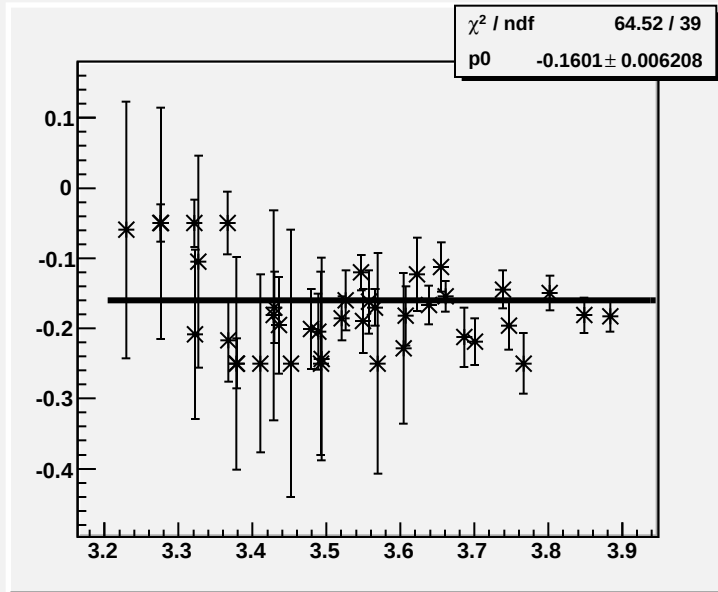
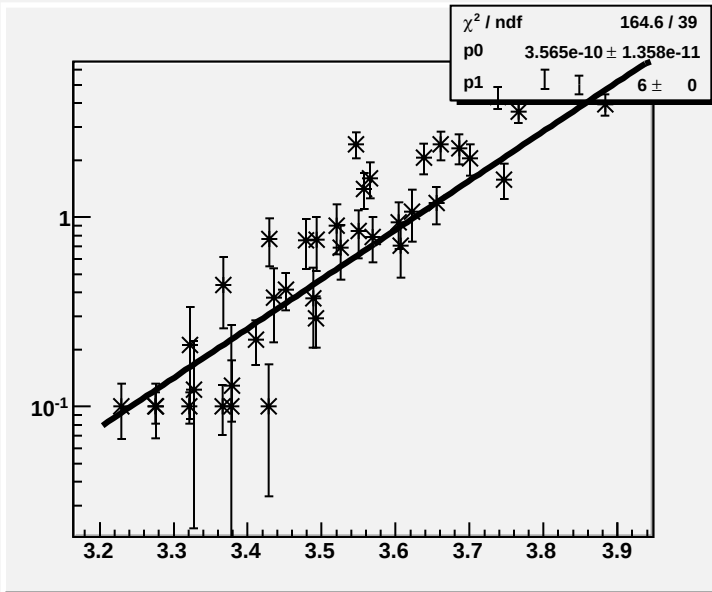
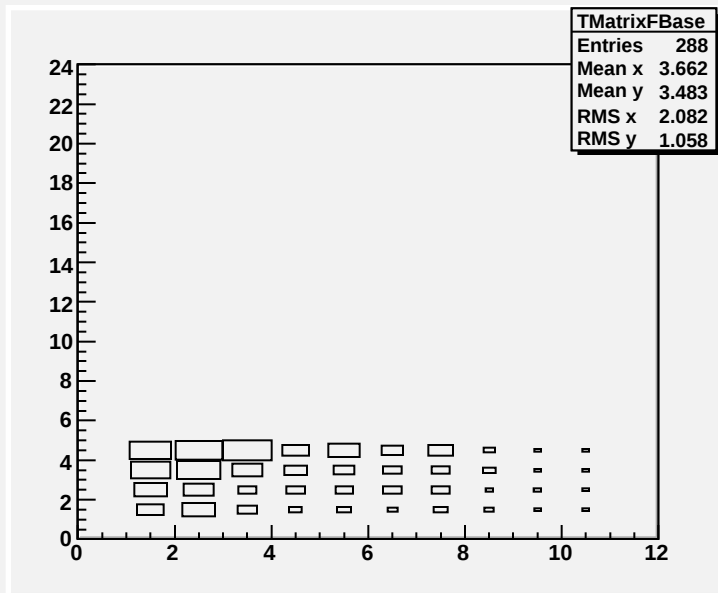
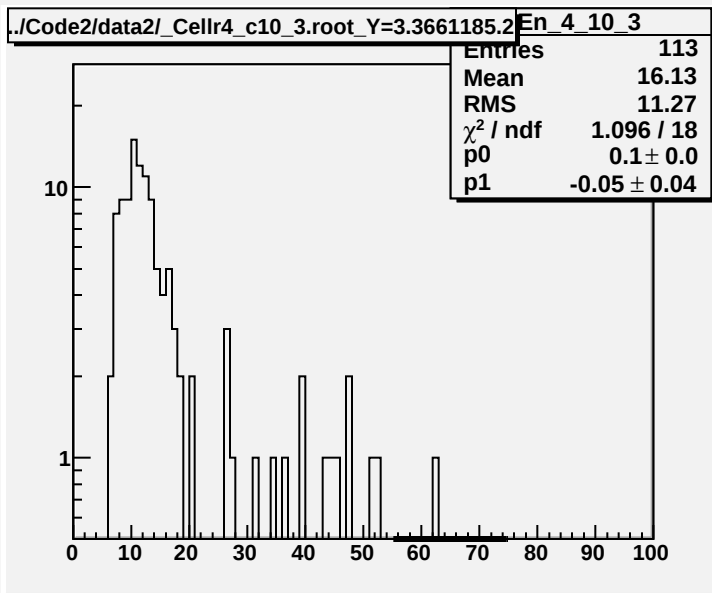


y1 {er>20 && mr<.25}

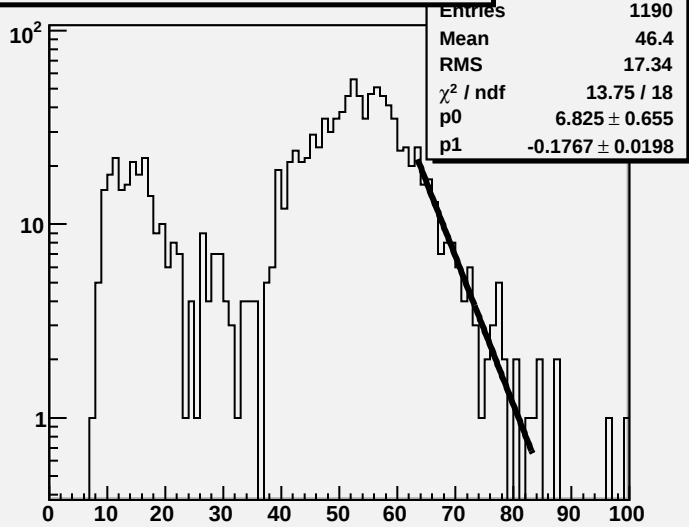
htemp

Entries 97
Mean 4.548
RMS 0.5474

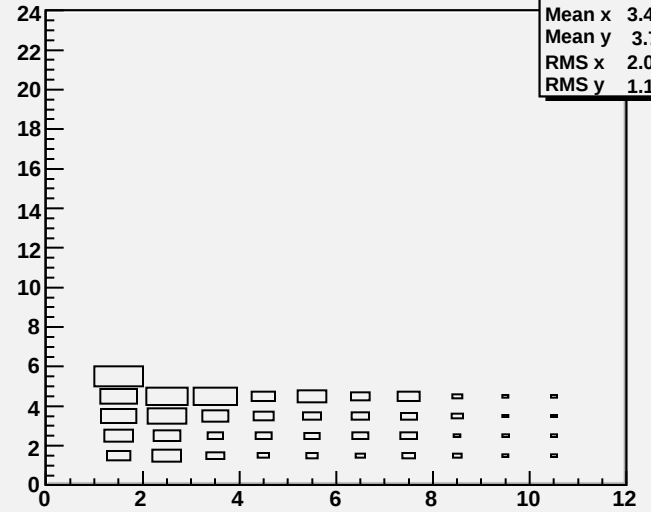




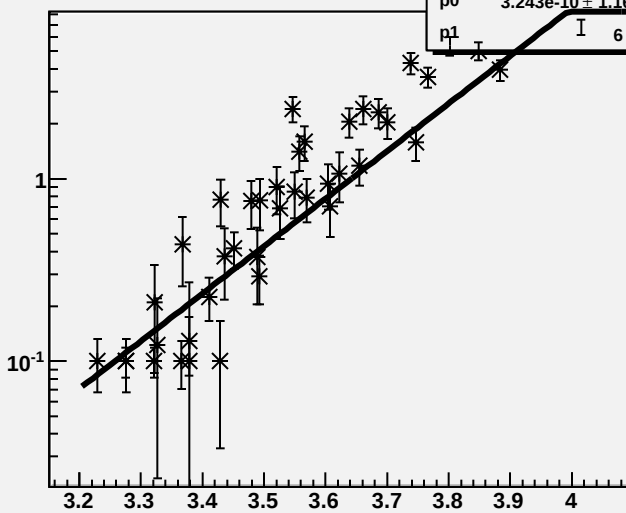
../Code2/data2/_Cellr5_c1_3.root_Y=4.0151765.2 En 5 1 3



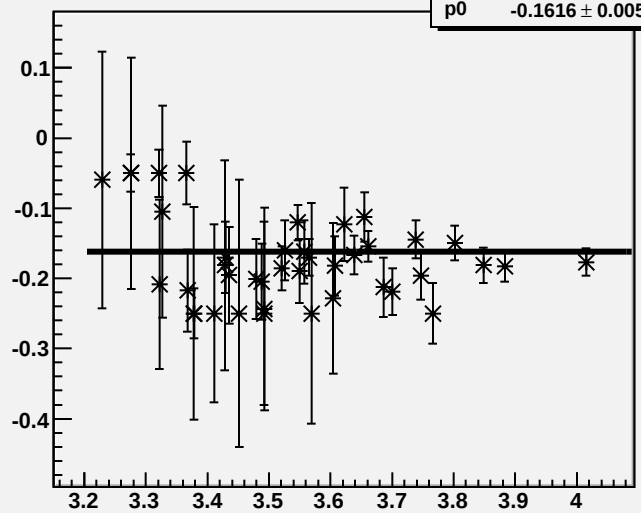
TMatrixFBase
Entries 288
Mean x 3.406
Mean y 3.721
RMS x 2.076
RMS y 1.188



χ^2 / ndf 185.7 / 40
p0 $3.243e-10 \pm 1.164e-11$
p1 6 ± 0

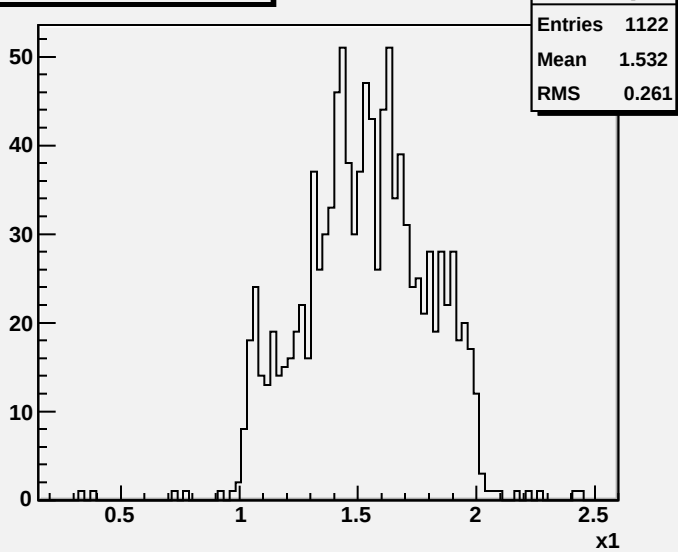


χ^2 / ndf 65.16 / 40
p0 -0.1616 ± 0.005923



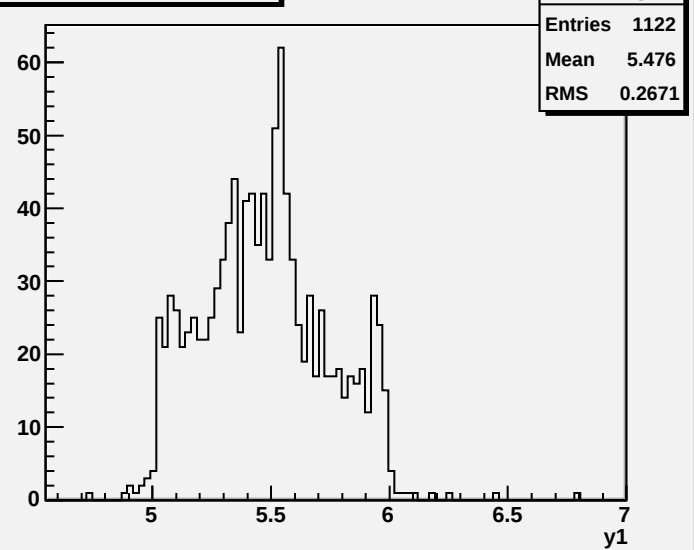
x1 {er>20 && mr<.25}

htemp

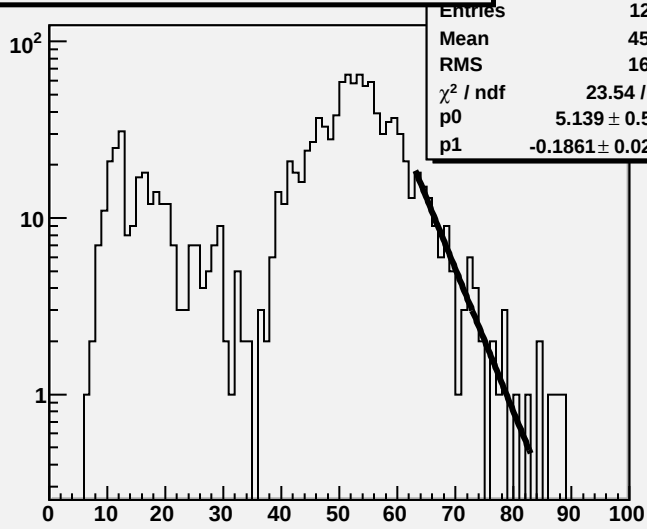


y1 {er>20 && mr<.25}

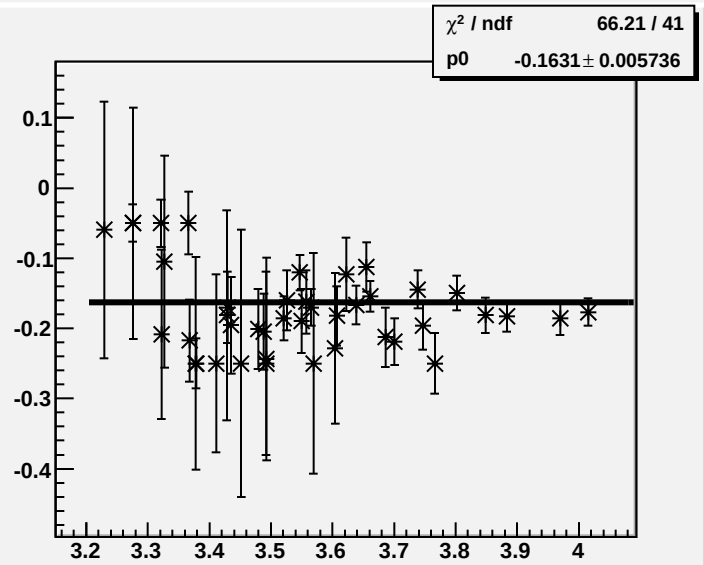
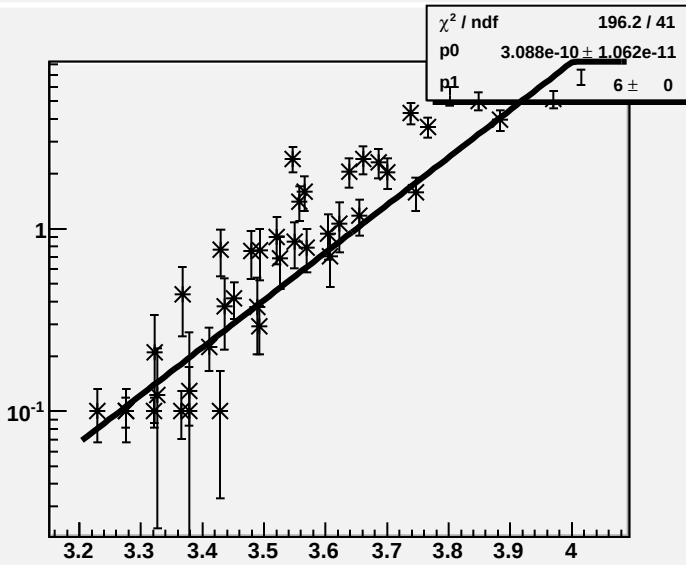
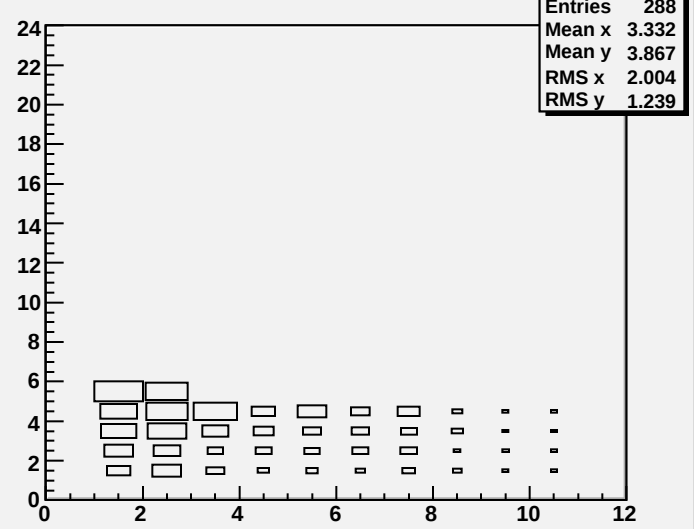
htemp



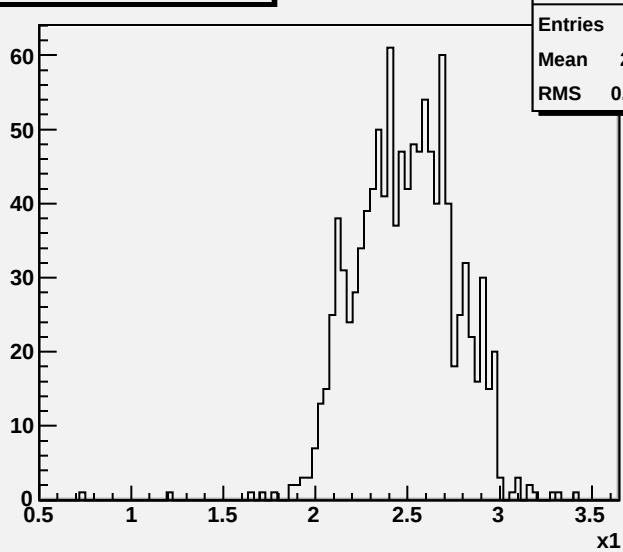
../Code2/data2/_Cellr5_c2_3.root_Y=3.9700615.2 En 5 2 3



TMatrixFBase

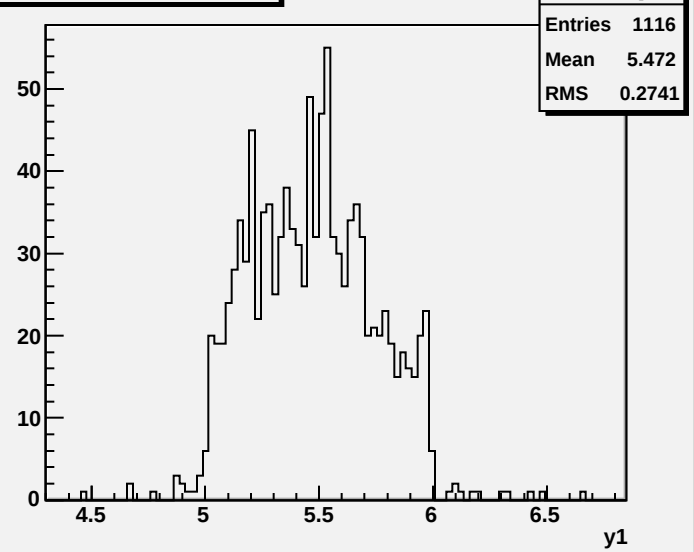


x1 {er>20 && mr<.25}



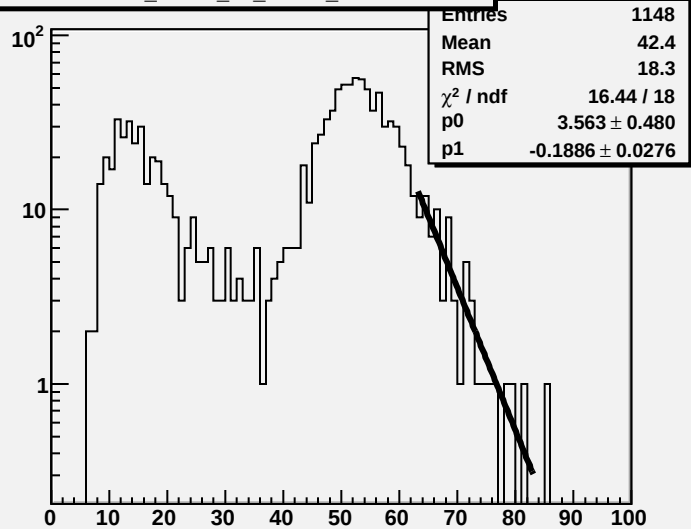
htemp

y1 {er>20 && mr<.25}

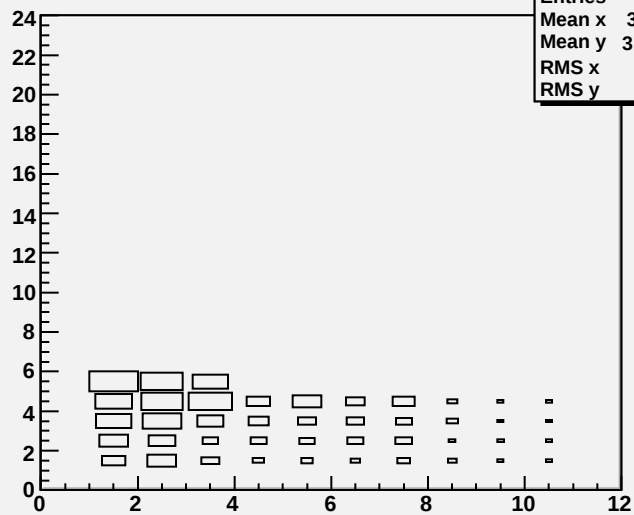


htemp

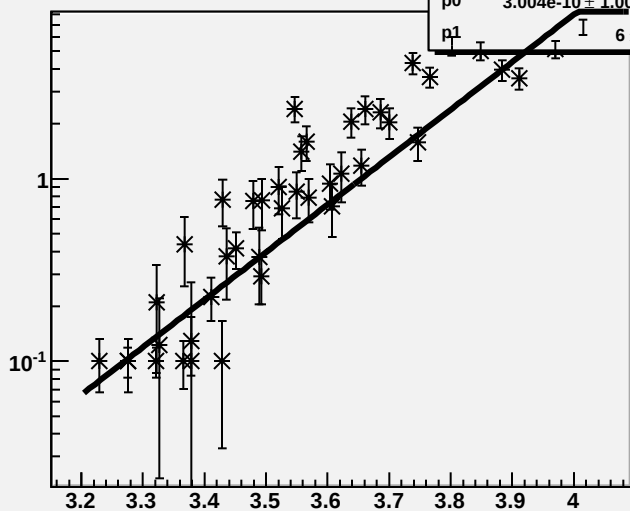
../Code2/data2/_Cellr5_c3_3.root_Y=3.9112925.2 En 5 3 3



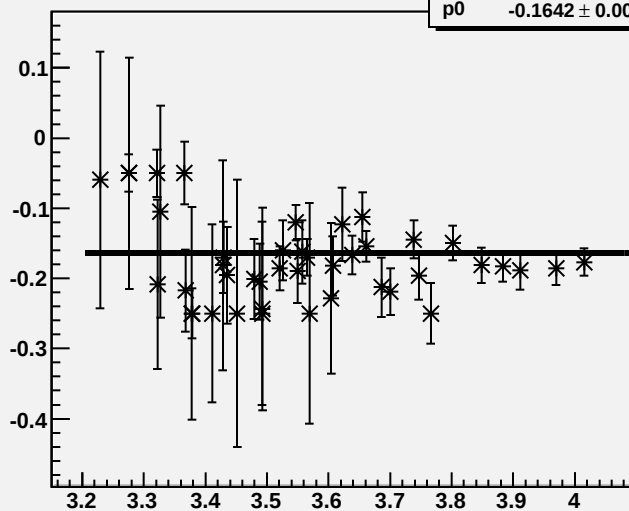
TMatrixFBase
Entries 288
Mean x 3.341
Mean y 3.955
RMS x 1.95
RMS y 1.26



χ^2 / ndf 202.2 / 42
p0 $3.004\text{e-}10 \pm 1.004\text{e-}11$
p1 6 ± 0

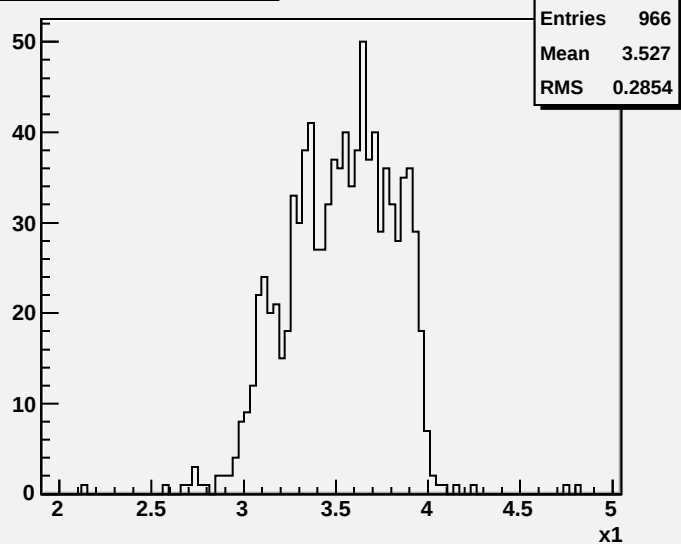


χ^2 / ndf 67.02 / 42
p0 -0.1642 ± 0.005616



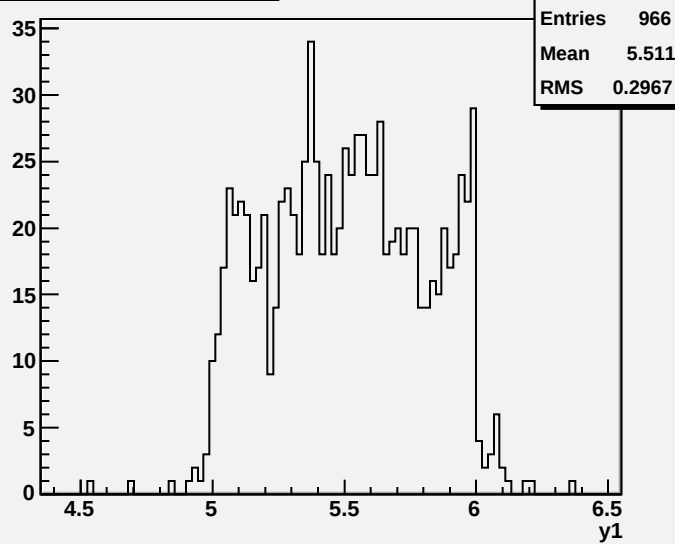
x1 {er>20 && mr<.25}

htemp

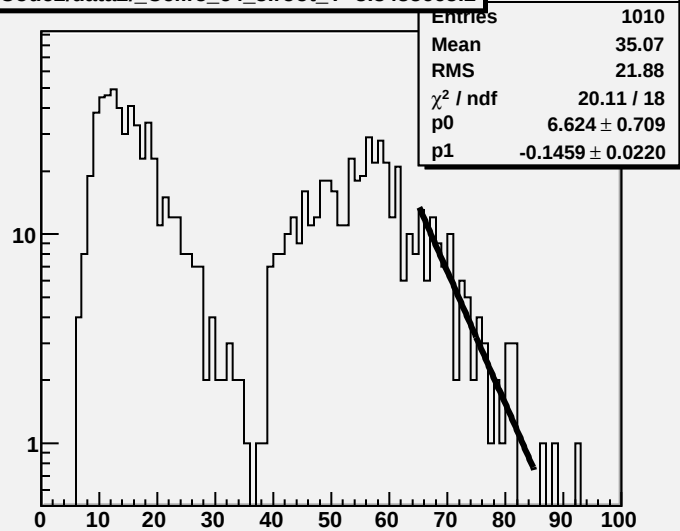


y1 {er>20 && mr<.25}

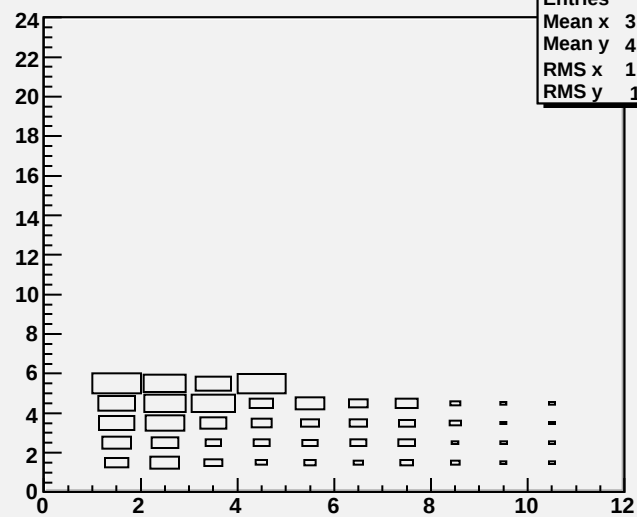
htemp



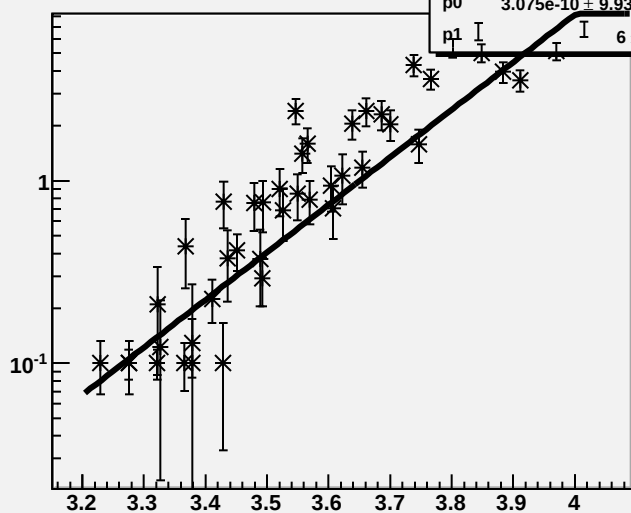
../Code2/data2/_Cellr5_c4_3.root_Y=3.8435665.2 En 5 4 3



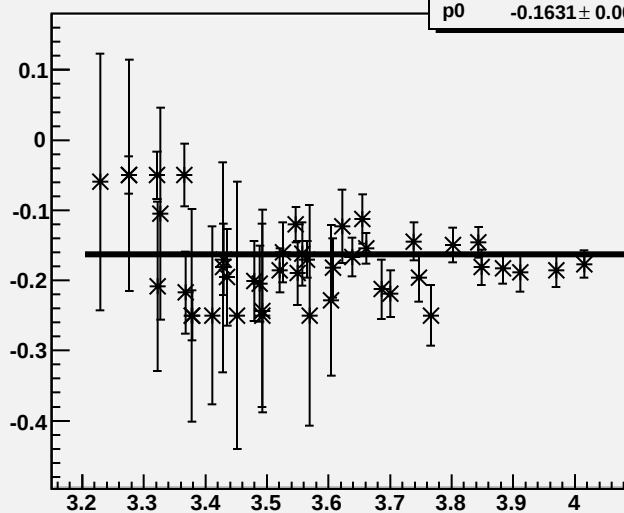
TMatrixFBase
Entries 288
Mean x 3.446
Mean y 4.095
RMS x 1.889
RMS y 1.281



χ^2 / ndf 226.2 / 43
p0 $3.075\text{e-}10 \pm 9.937\text{e-}12$
p1 6 ± 0

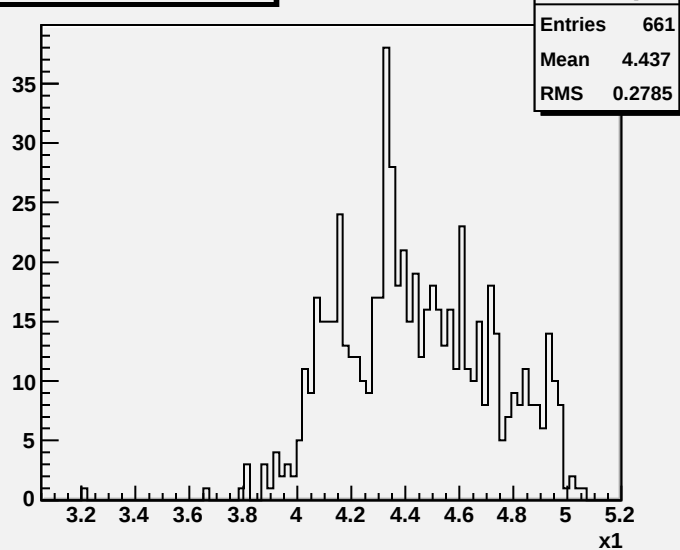


χ^2 / ndf 67.67 / 43
p0 -0.1631 ± 0.005443



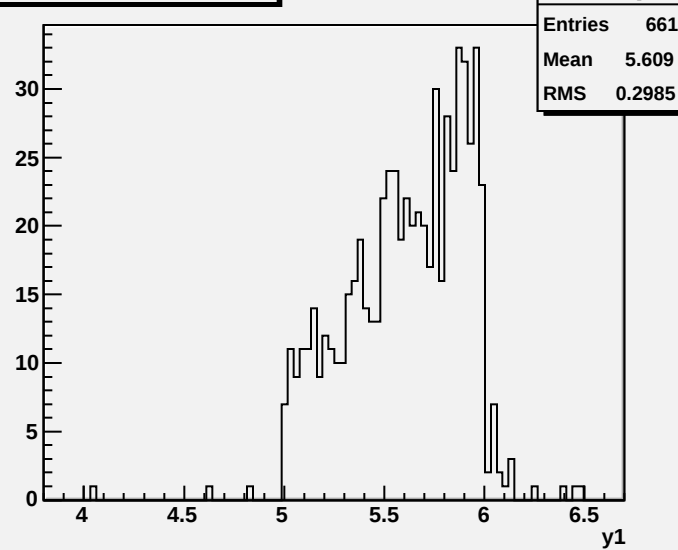
x1 {er>20 && mr<.25}

htemp

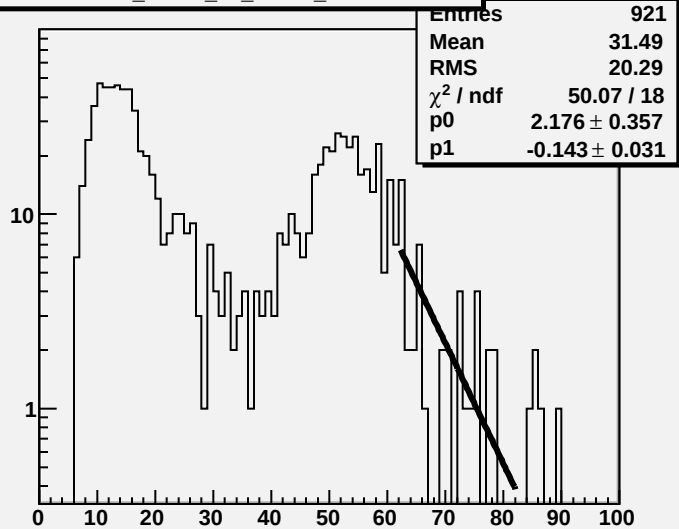


y1 {er>20 && mr<.25}

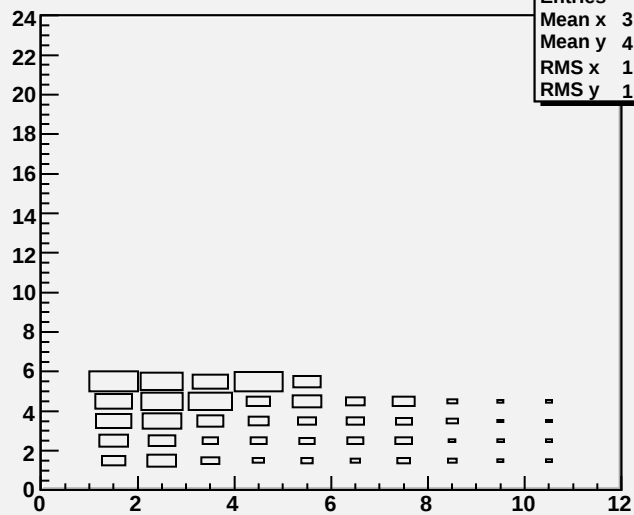
htemp



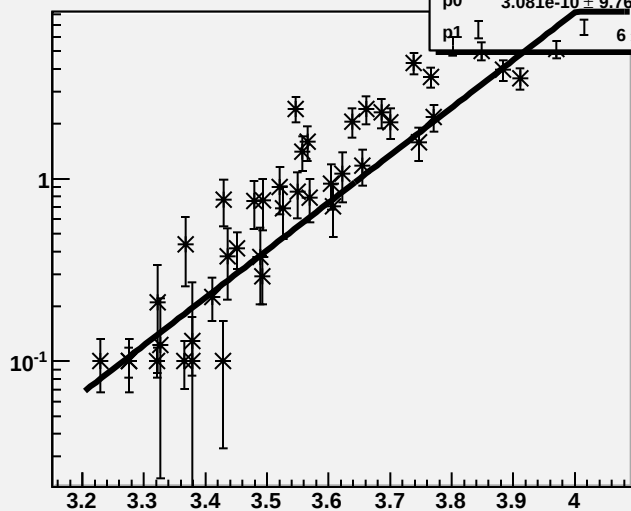
../Code2/data2/_Cellr5_c5_3.root_Y=3.7708715.2 En 5 5 3



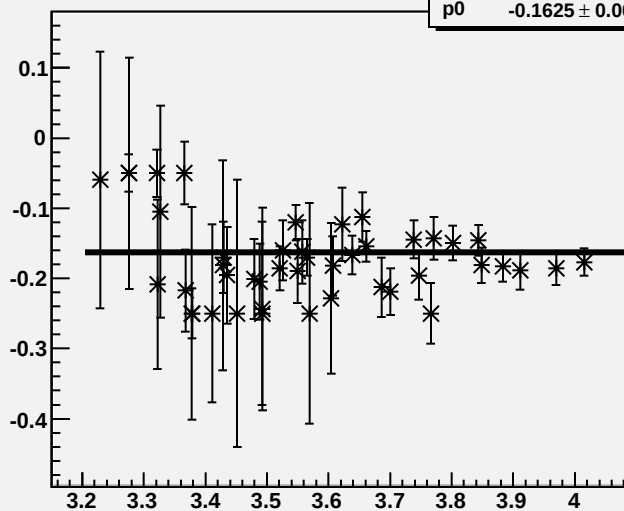
TMatrixFBase
Entries 288
Mean x 3.505
Mean y 4.136
RMS x 1.893
RMS y 1.284



χ^2 / ndf 226.3 / 44
p0 $3.081e-10 \pm 9.768e-12$
p1 6 ± 0

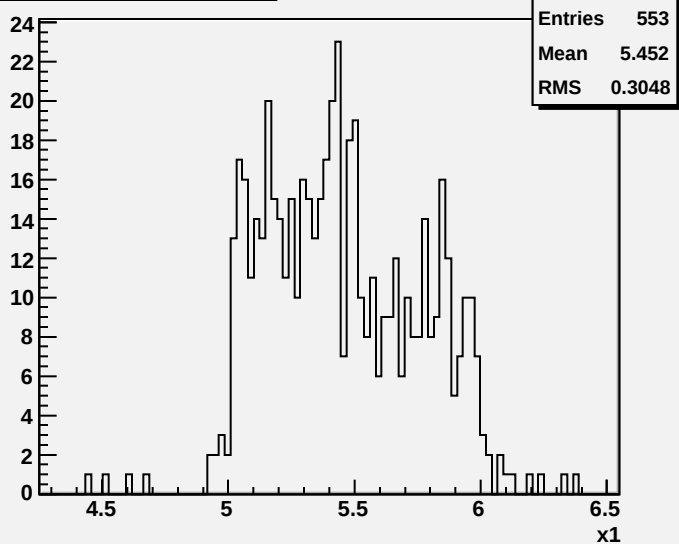


χ^2 / ndf 68.09 / 44
p0 -0.1625 ± 0.005358



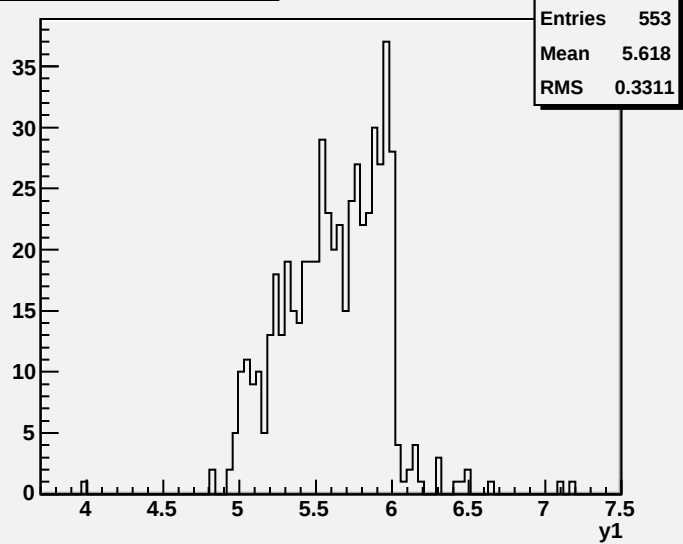
x1 {er>20 && mr<.25}

htemp

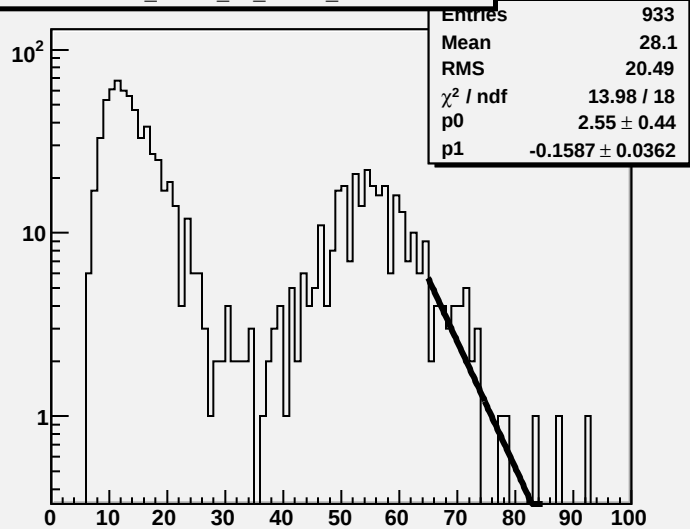


y1 {er>20 && mr<.25}

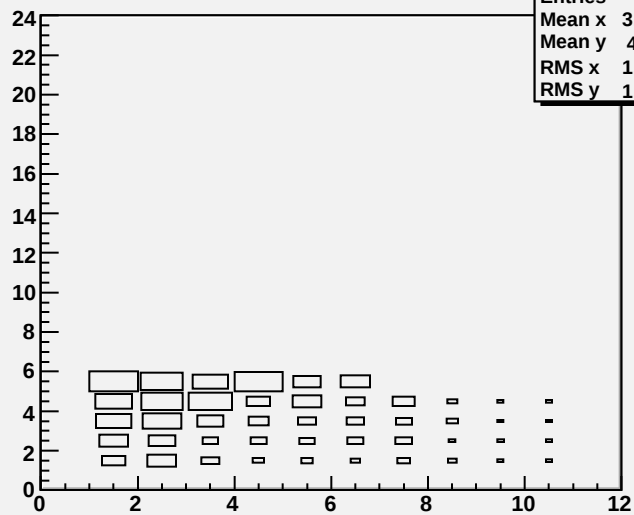
htemp



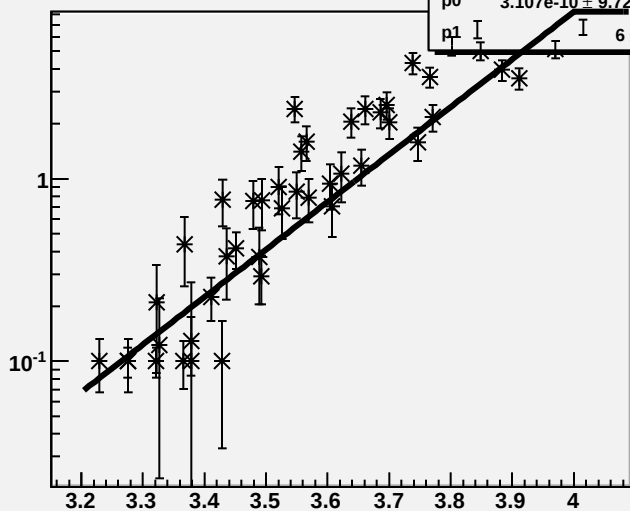
../Code2/data2/_Cellr5_c6_3.root_Y=3.6961995.2 En 5 6 3



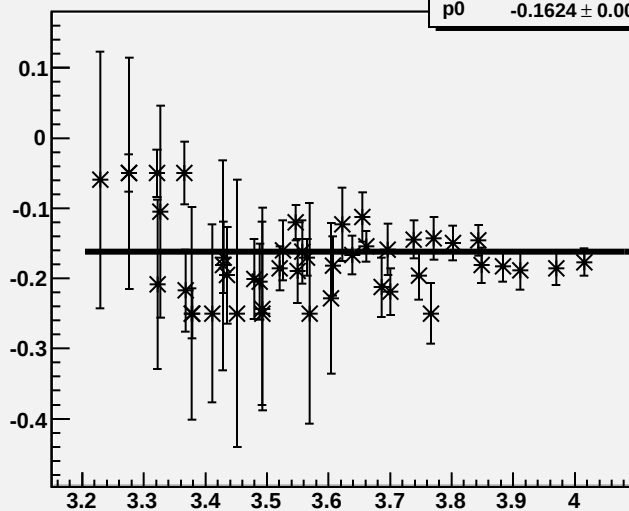
TMatrixFBase
Entries 288
Mean x 3.604
Mean y 4.181
RMS x 1.937
RMS y 1.286



χ^2 / ndf 234.1 / 45
p0 $3.107\text{e-}10 \pm 9.724\text{e-}12$
p1 6 ± 0

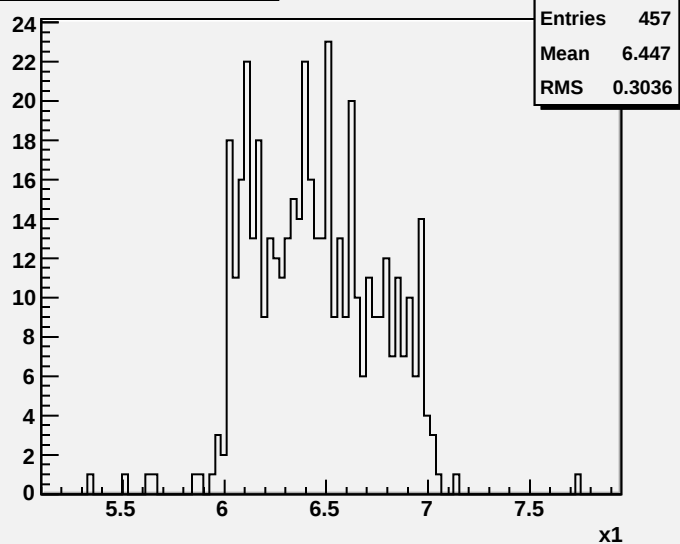


χ^2 / ndf 68.1 / 45
p0 -0.1624 ± 0.005301



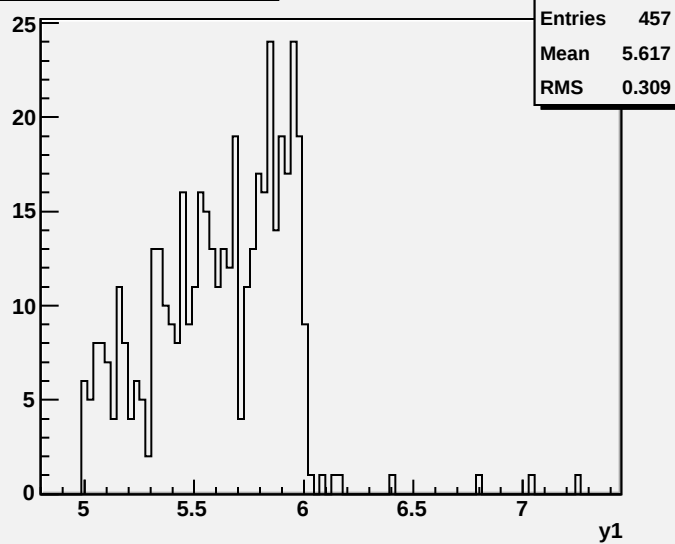
x1 {er>20 && mr<.25}

htemp

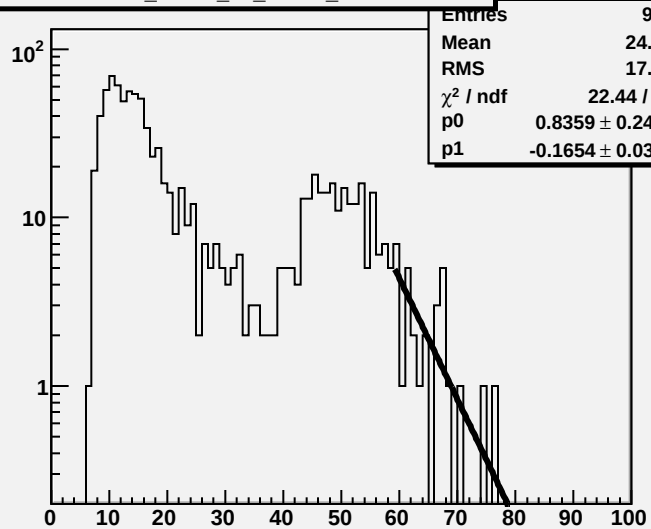


y1 {er>20 && mr<.25}

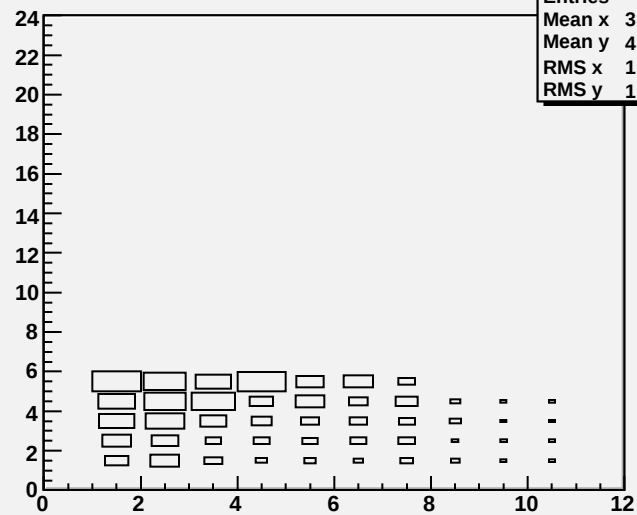
htemp



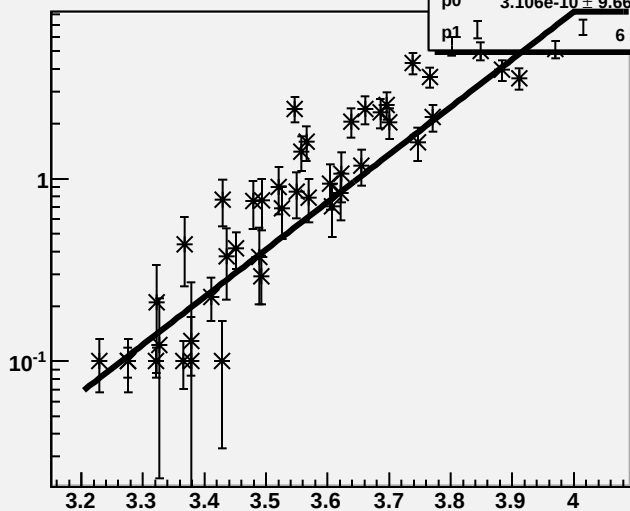
../Code2/data2/_Cellr5_c7_3.root_Y=3.6216075.2 En 5 7 3



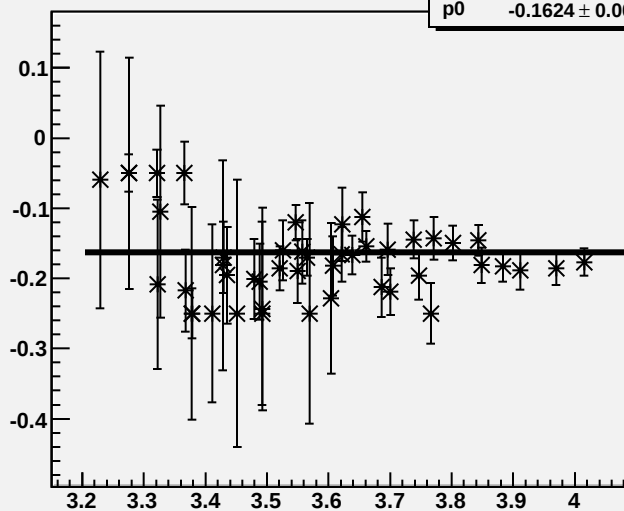
TMatrixFBase
Entries 288
Mean x 3.645
Mean y 4.195
RMS x 1.968
RMS y 1.286



χ^2 / ndf 234.1 / 46
p0 $3.106\text{e-}10 \pm 9.667\text{e-}12$
p1 6 ± 0

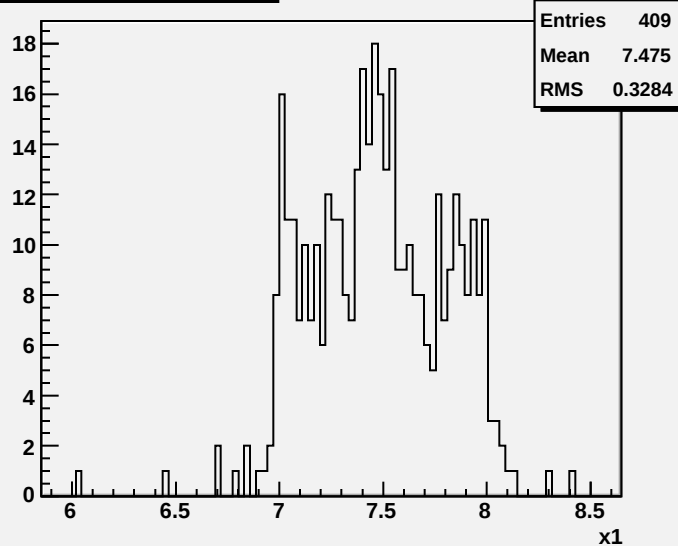


χ^2 / ndf 68.11 / 46
p0 -0.1624 ± 0.005252



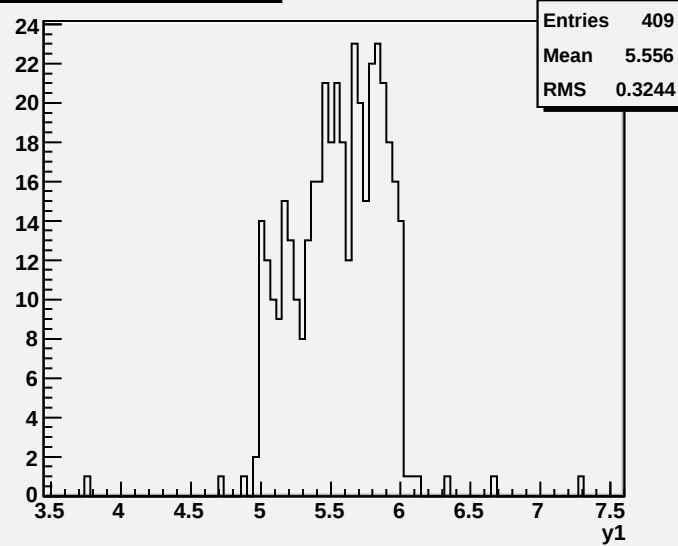
x1 {er>20 && mr<.25}

htemp

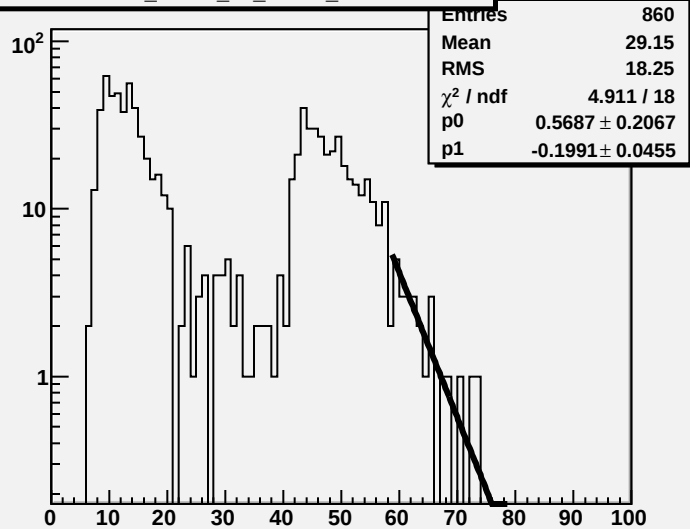


y1 {er>20 && mr<.25}

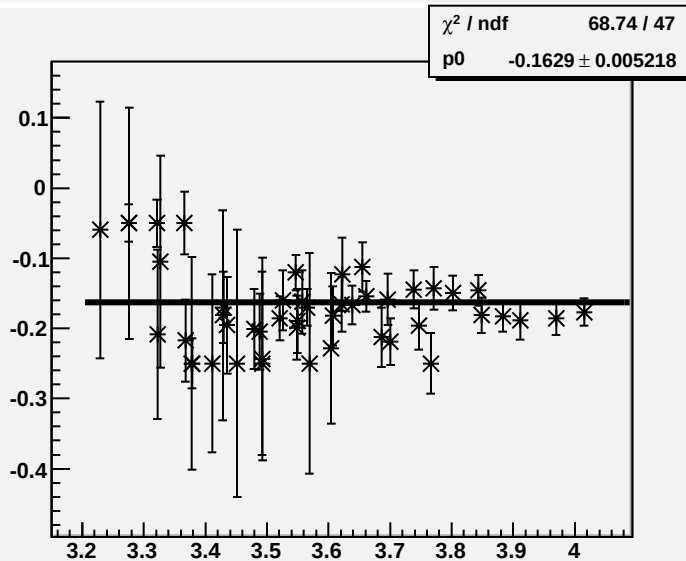
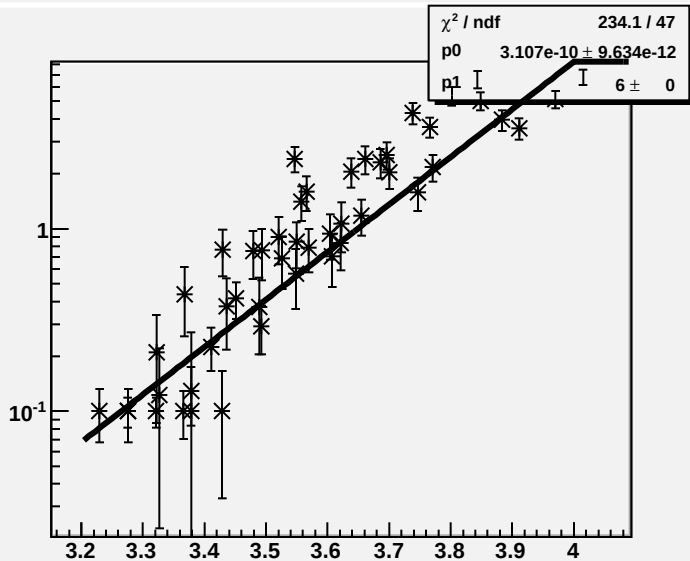
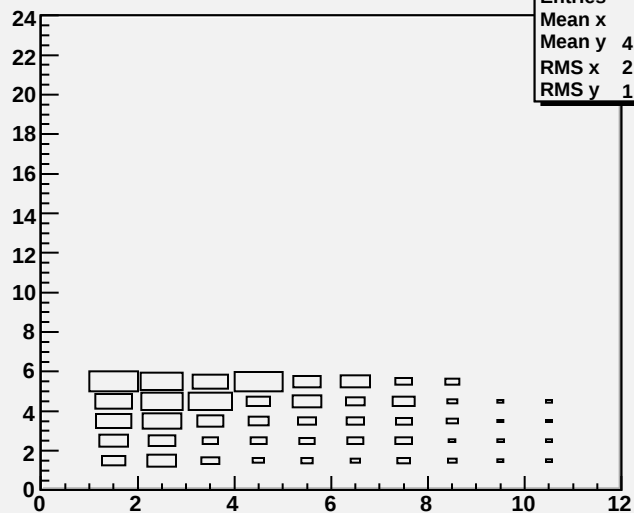
htemp



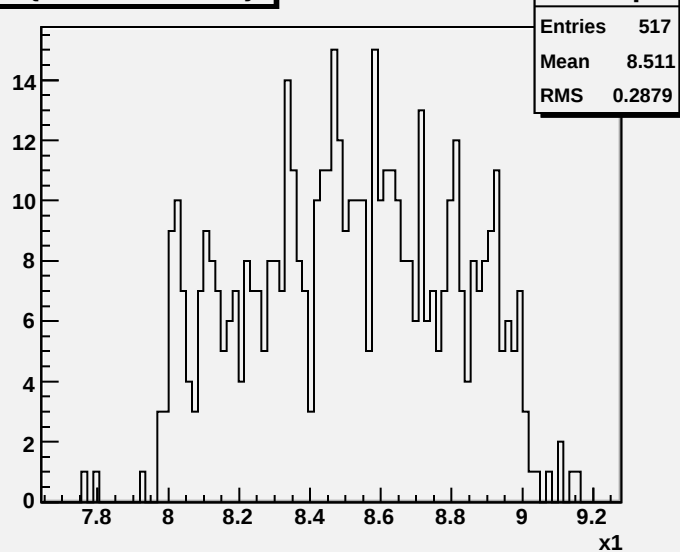
../Code2/data2/_Cellr5_c8_3.root_Y=3.5484085.2 En 5 8 3



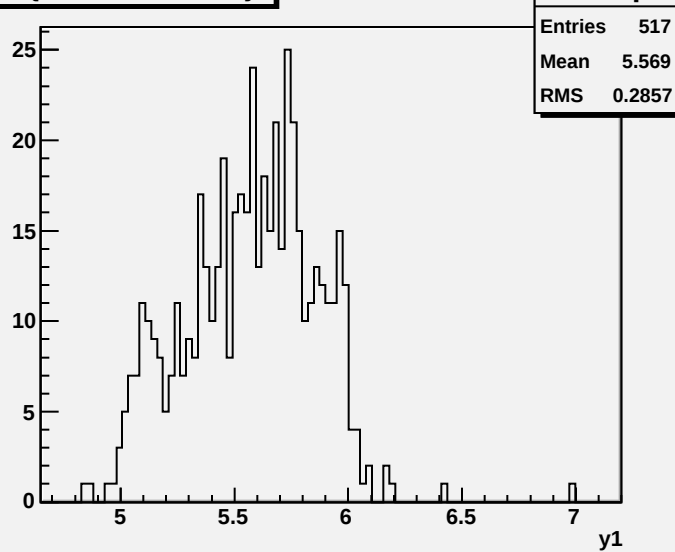
TMatrixFBase
Entries 288
Mean x 3.68
Mean y 4.204
RMS x 2.003
RMS y 1.286

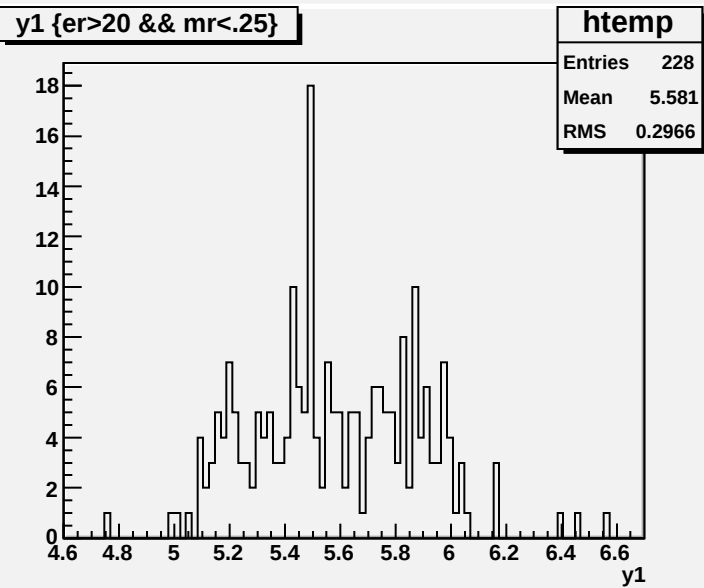
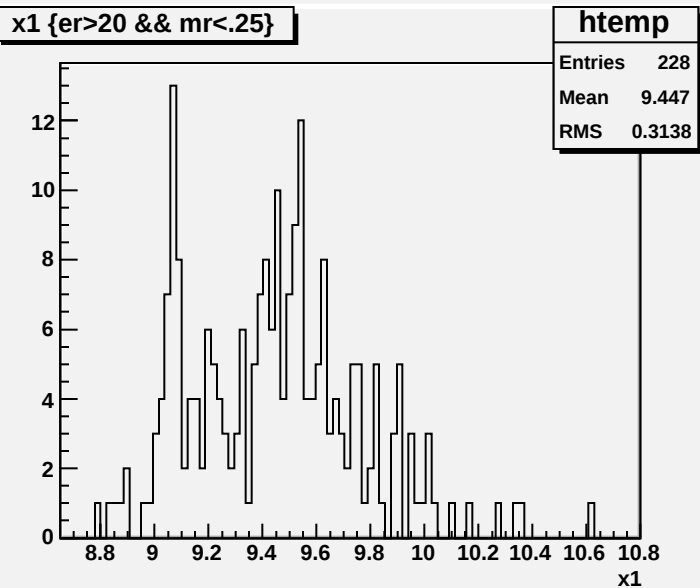
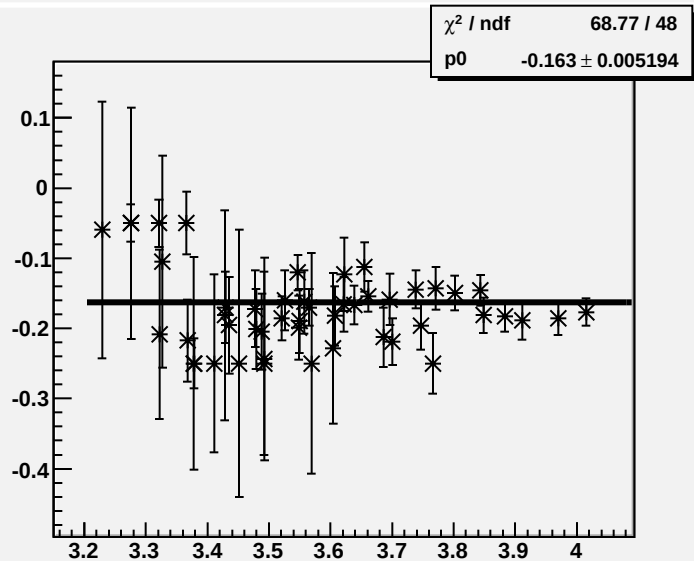
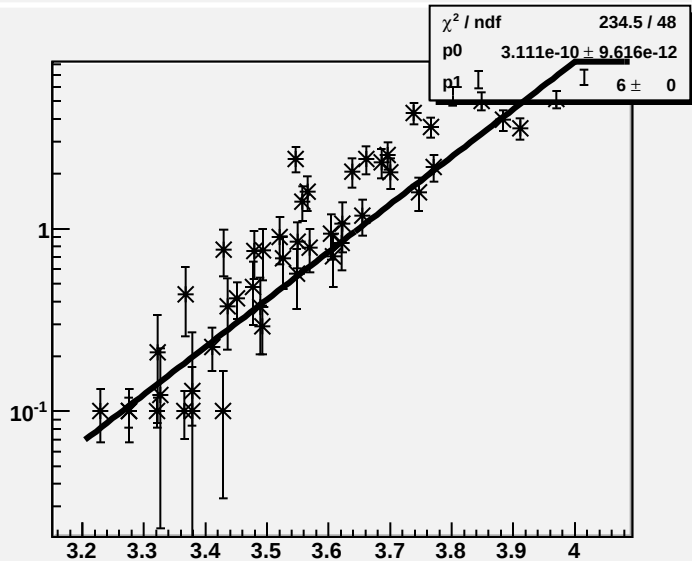
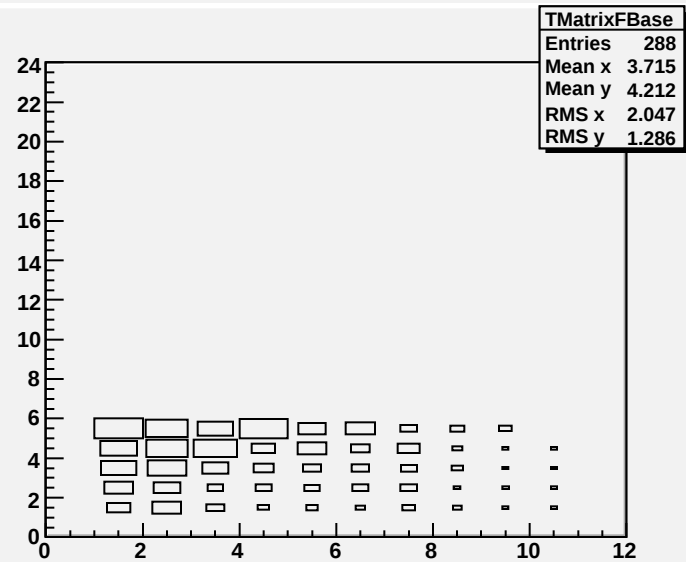
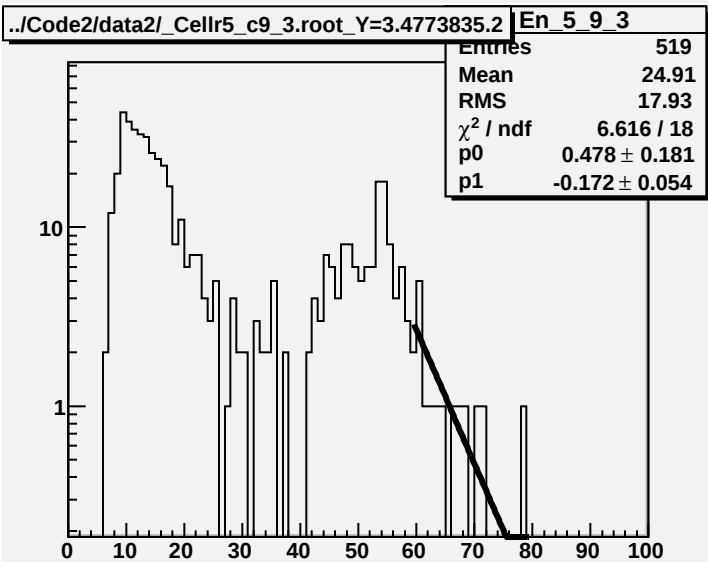


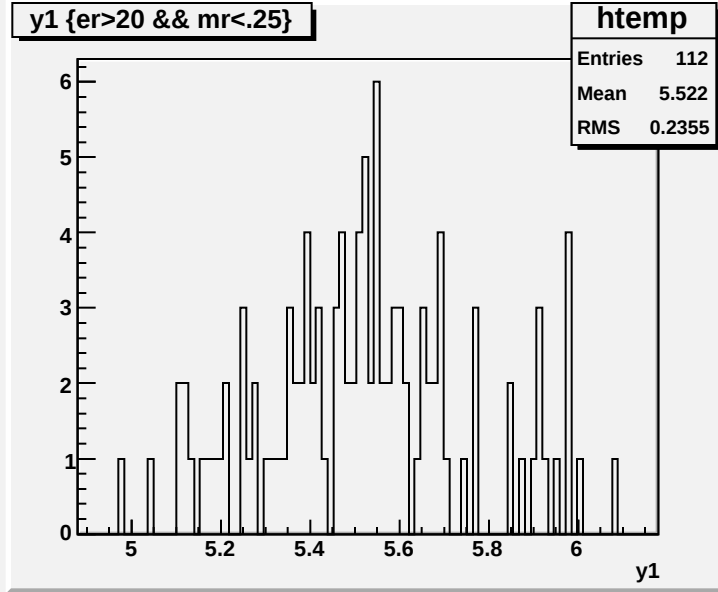
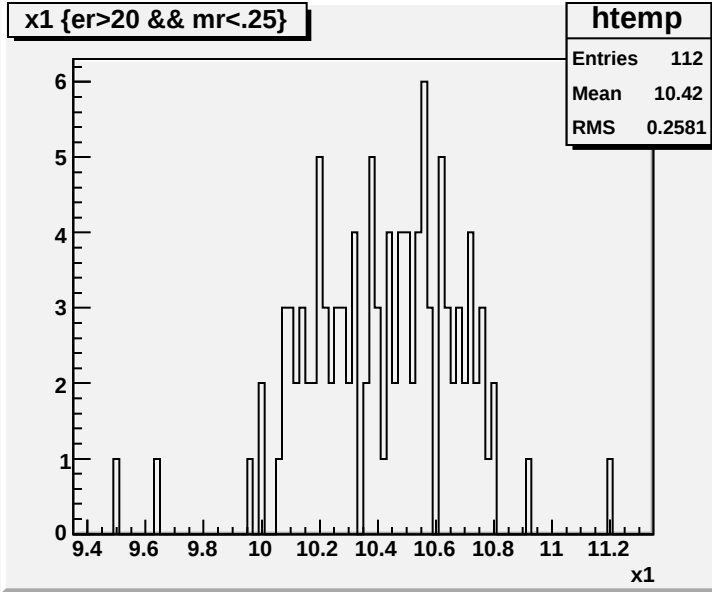
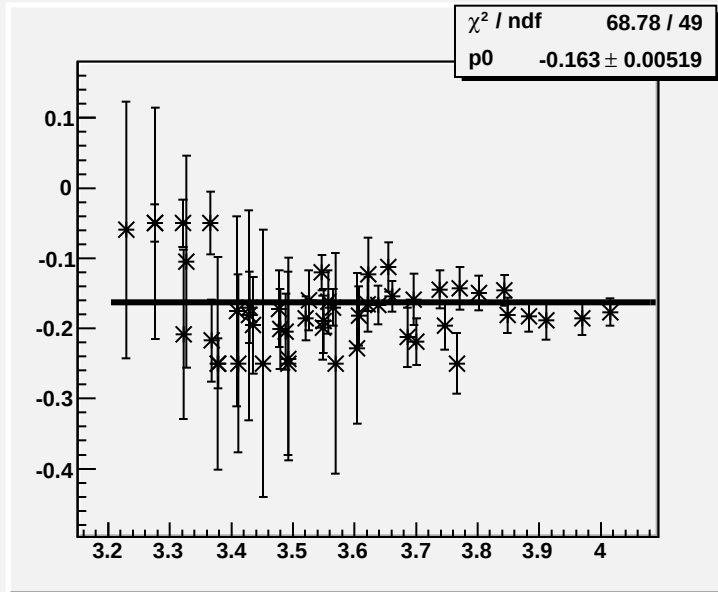
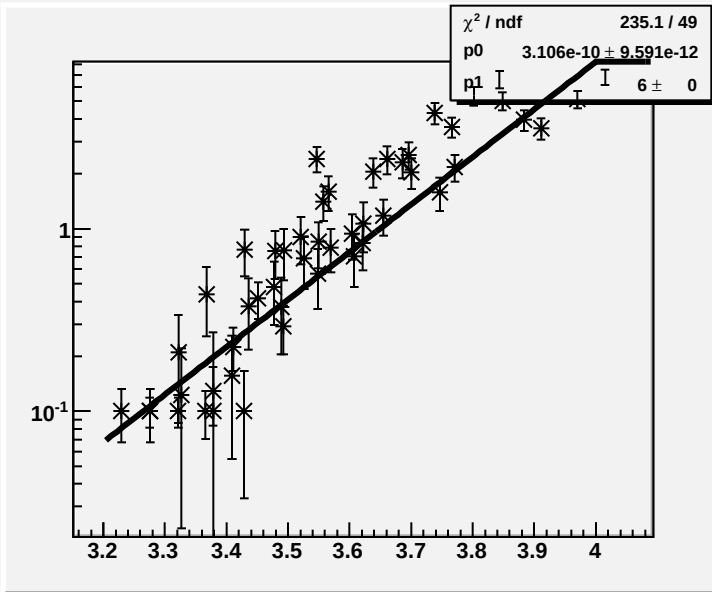
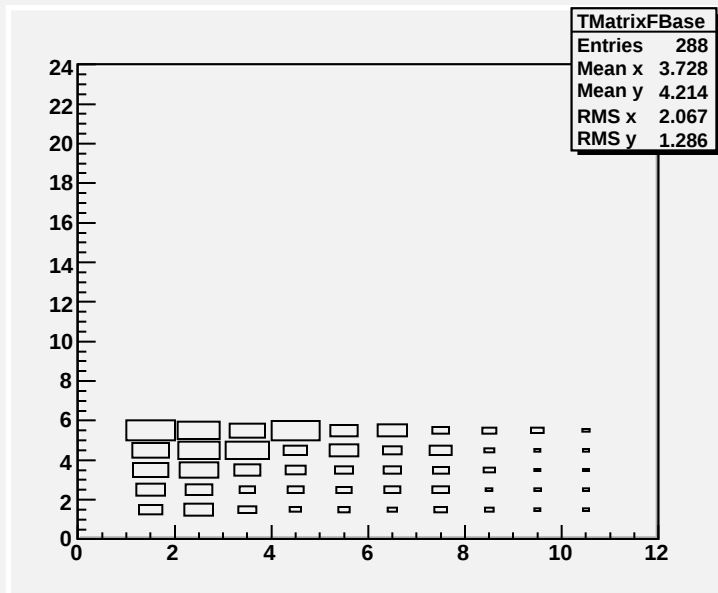
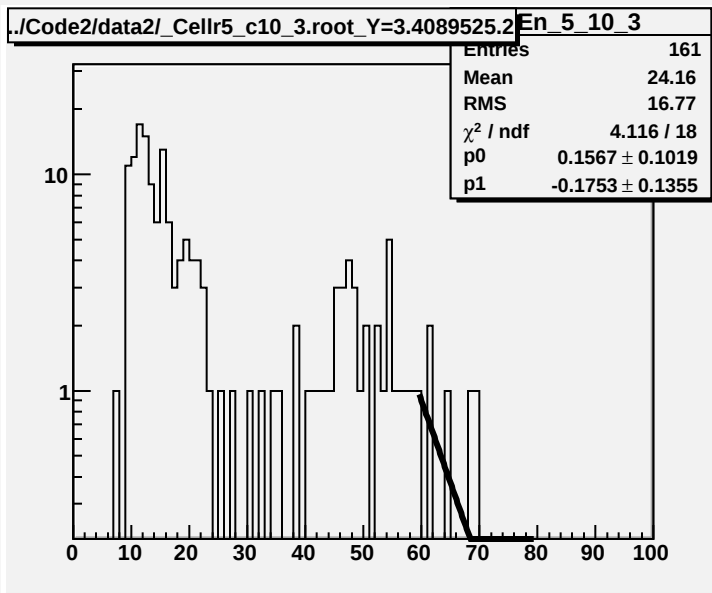
x1 {er>20 && mr<.25}



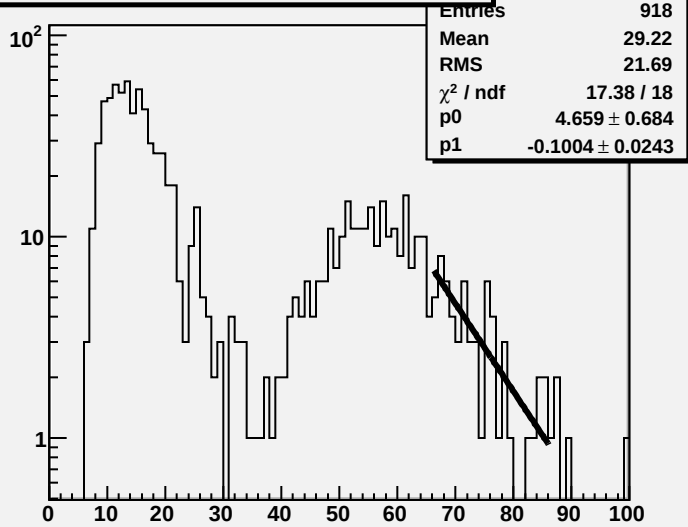
y1 {er>20 && mr<.25}



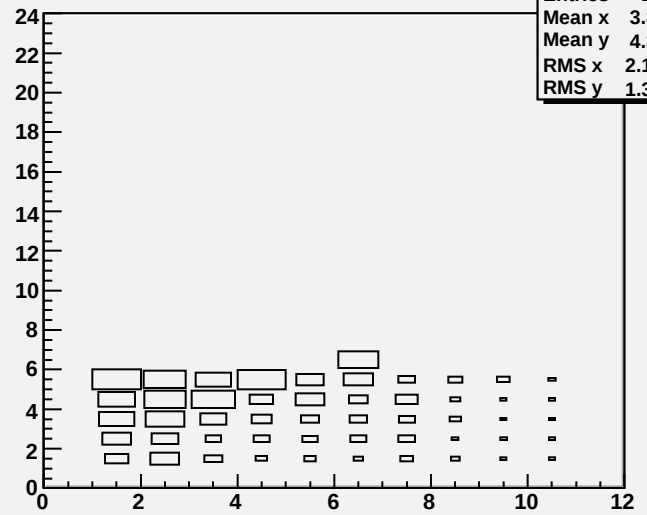




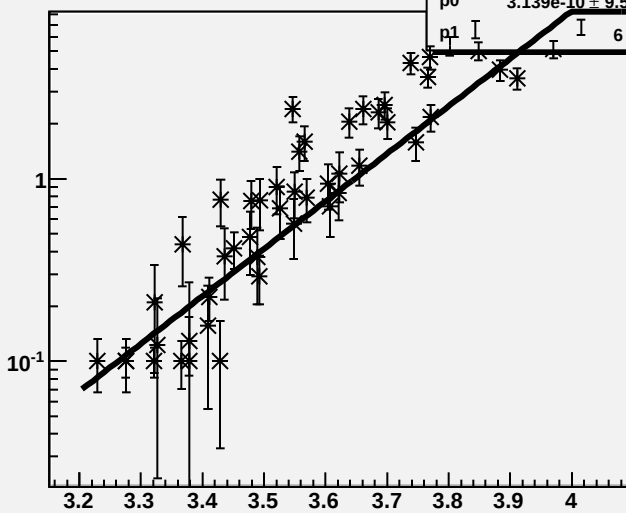
../Code2/data2/_Cellr6_c6_3.root_Y=3.7698805.2 En 6 6 3



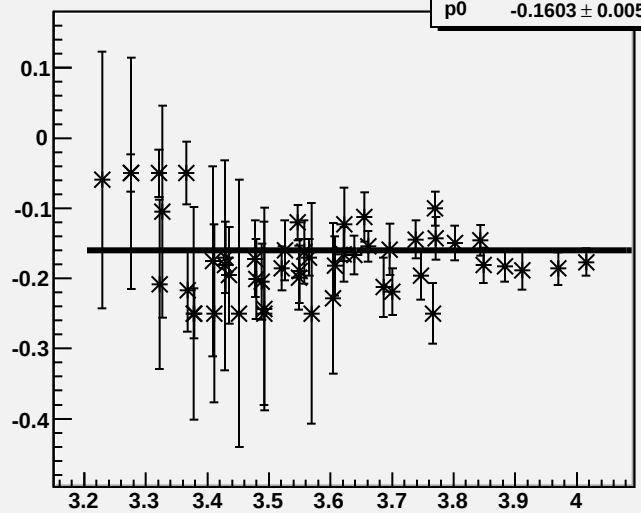
TMatrixFBase
Entries 288
Mean x 3.881
Mean y 4.341
RMS x 2.106
RMS y 1.355



χ^2 / ndf 249.4 / 50
p0 $3.139\text{e-}10 \pm 9.55\text{e-}12$
p1 6 ± 0

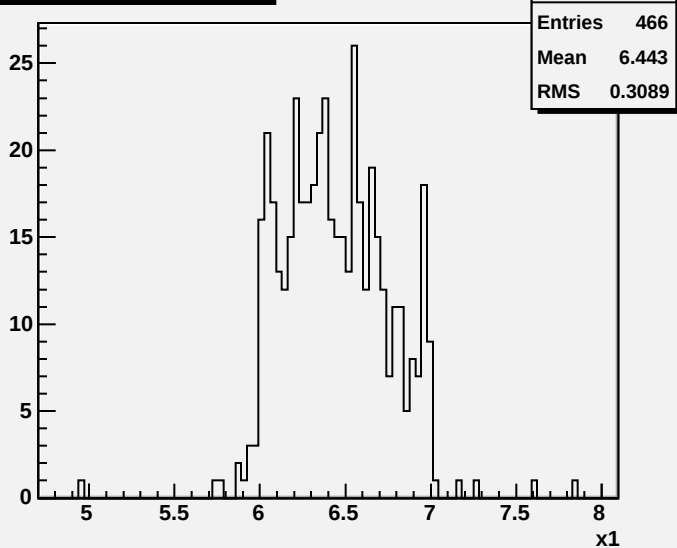


χ^2 / ndf 75.13 / 50
p0 -0.1603 ± 0.005076



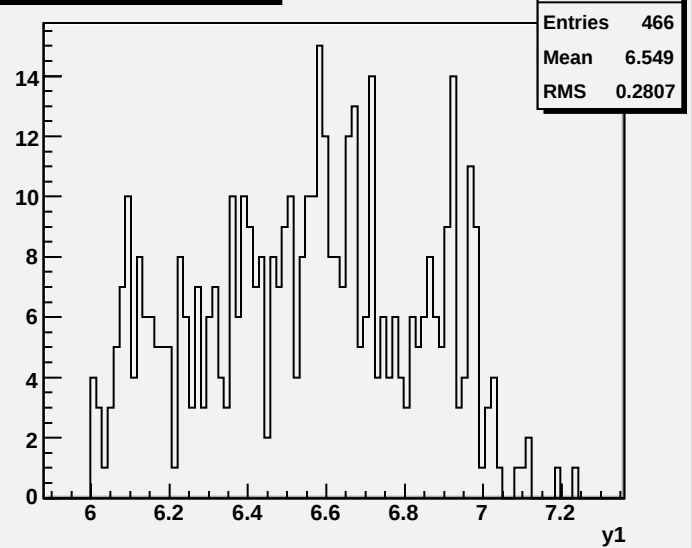
x1 {er>20 && mr<.25}

htemp

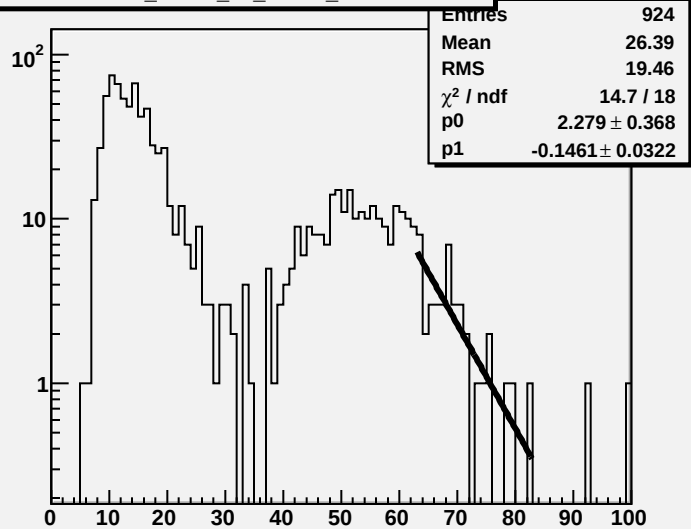


y1 {er>20 && mr<.25}

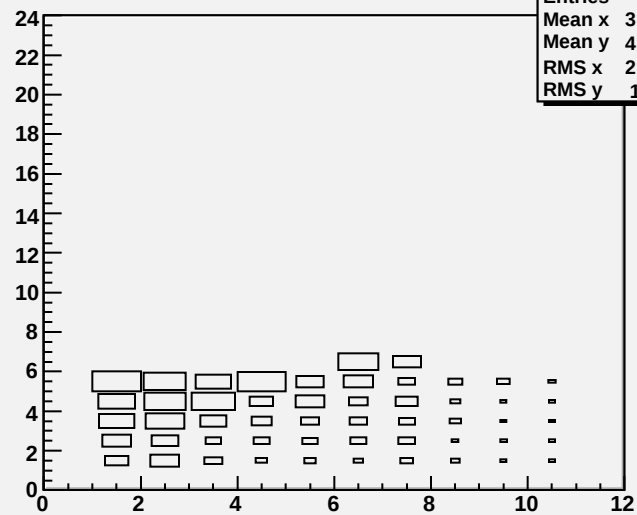
htemp



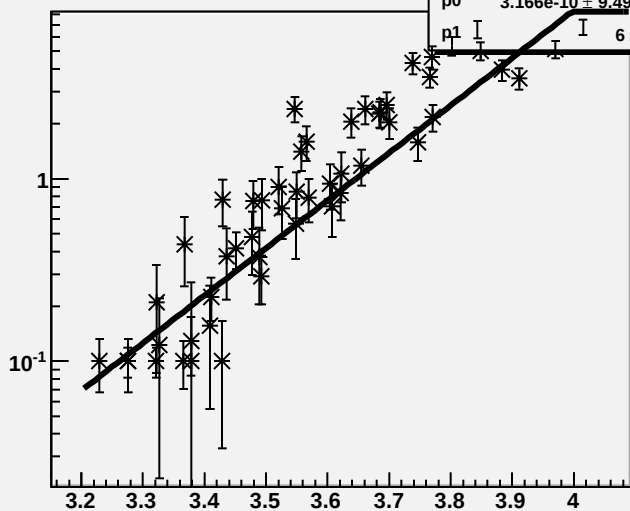
../Code2/data2/_Cellr6_c7_3.root_Y=3.6843785.2 En 6 7 3



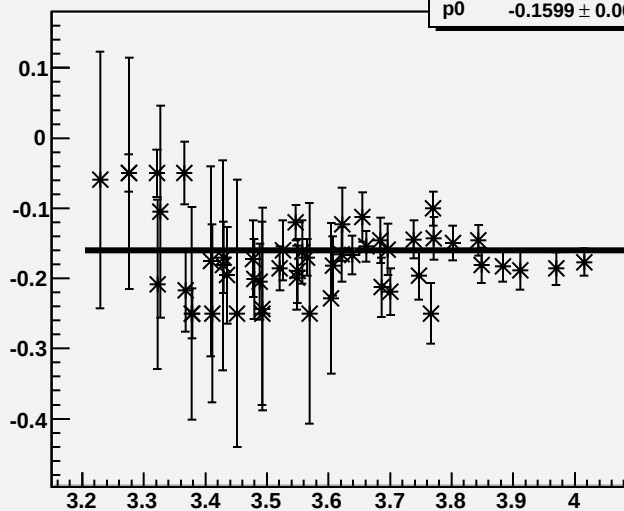
TMatrixFBase
Entries 288
Mean x 3.977
Mean y 4.397
RMS x 2.158
RMS y 1.381



χ^2 / ndf 257.1 / 51
p0 $3.166\text{e-}10 \pm 9.499\text{e-}12$
p1 6 ± 0



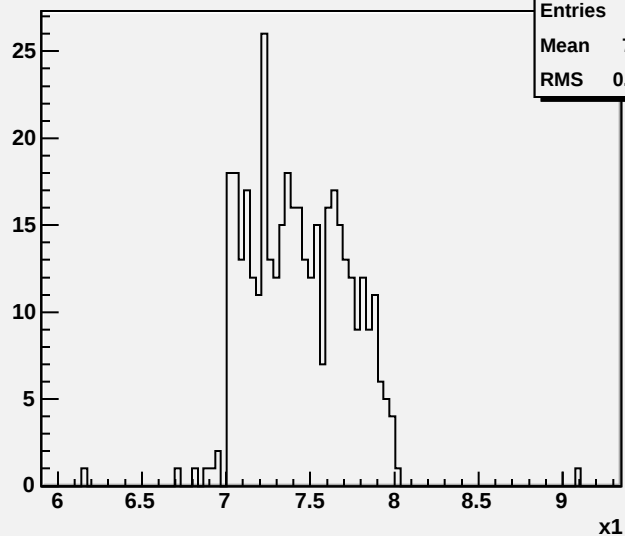
χ^2 / ndf 75.32 / 51
p0 -0.1599 ± 0.005014



x1 {er>20 && mr<.25}

htemp

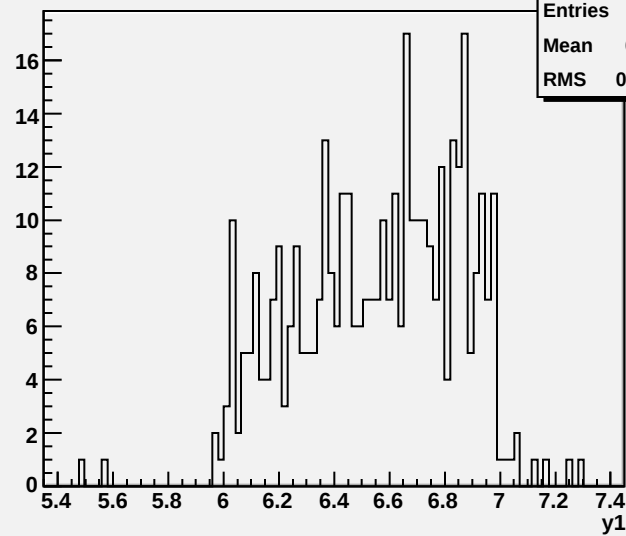
Entries 390
Mean 7.435
RMS 0.2964



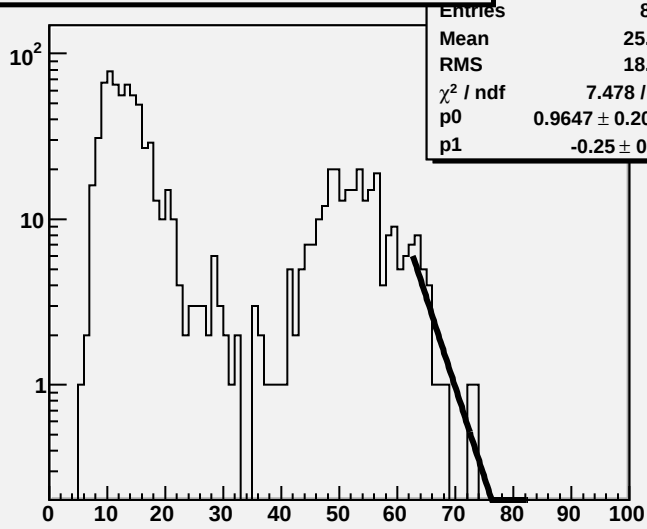
y1 {er>20 && mr<.25}

htemp

Entries 390
Mean 6.557
RMS 0.2952

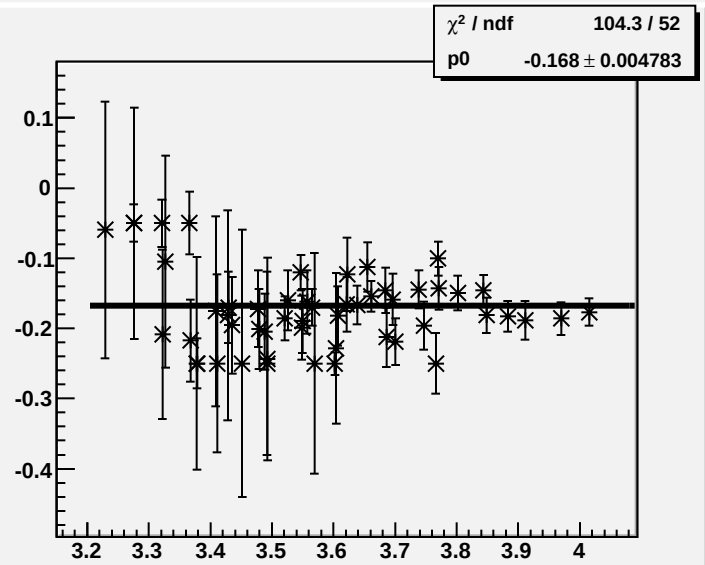
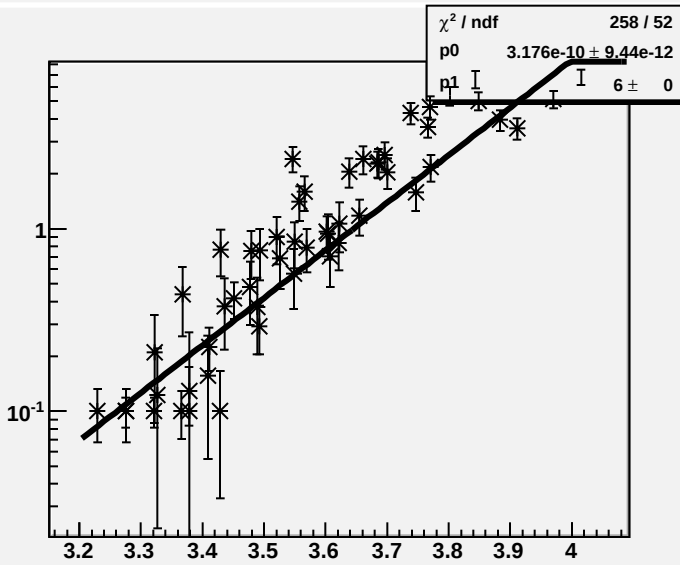
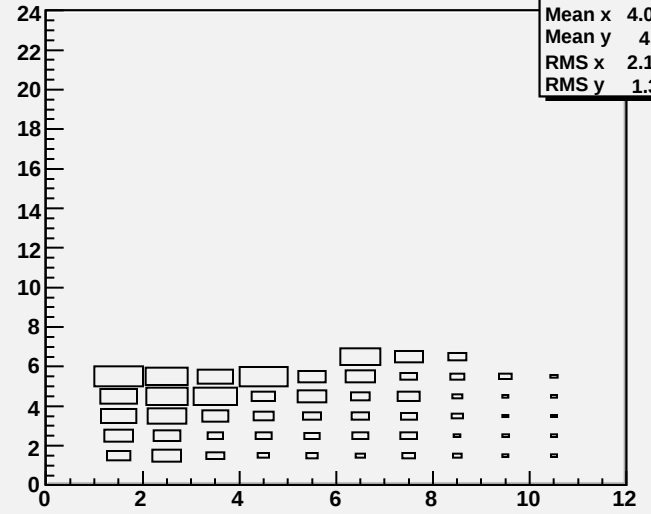


../Code2/data2/_Cellr6_c8_3.root_Y=3.6021275.2 En 6 8 3

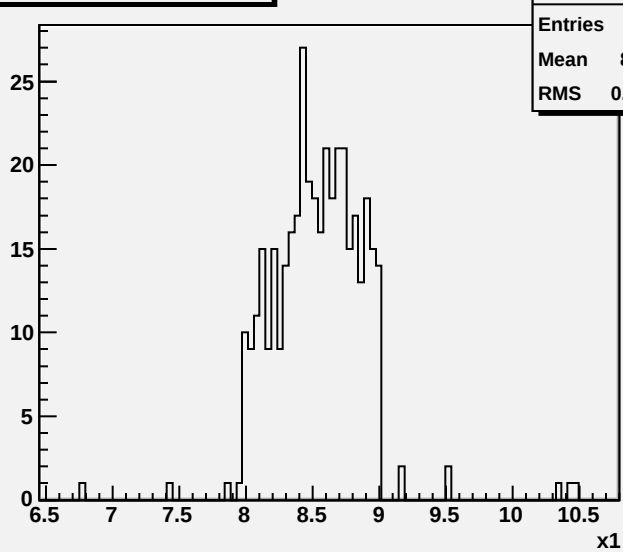


TMatrixFBase

TMatrixFBase	
Entries	288
Mean x	4.026
Mean y	4.42
RMS x	2.197
RMS y	1.391



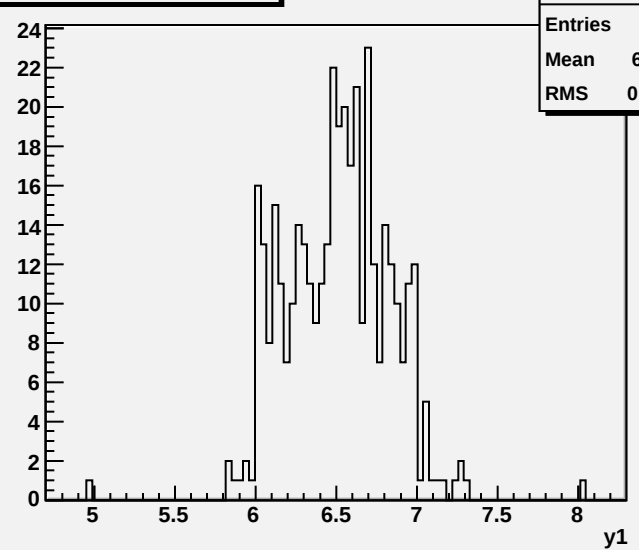
x1 {er>20 && mr<.25}



htemp

htemp	
Entries	389
Mean	8.544
RMS	0.3494

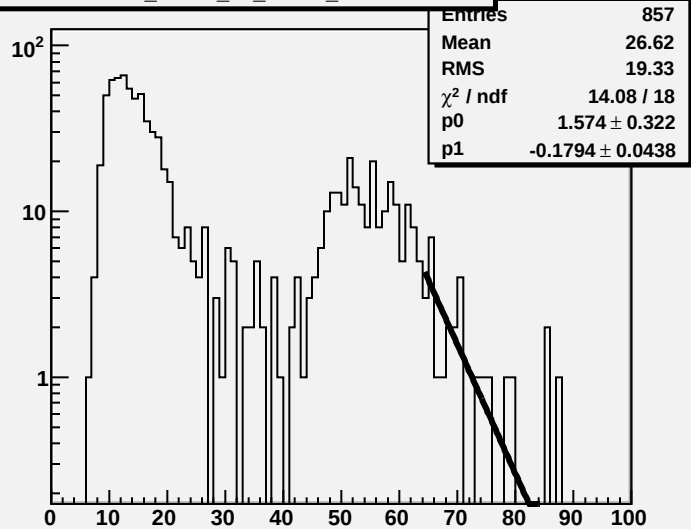
y1 {er>20 && mr<.25}



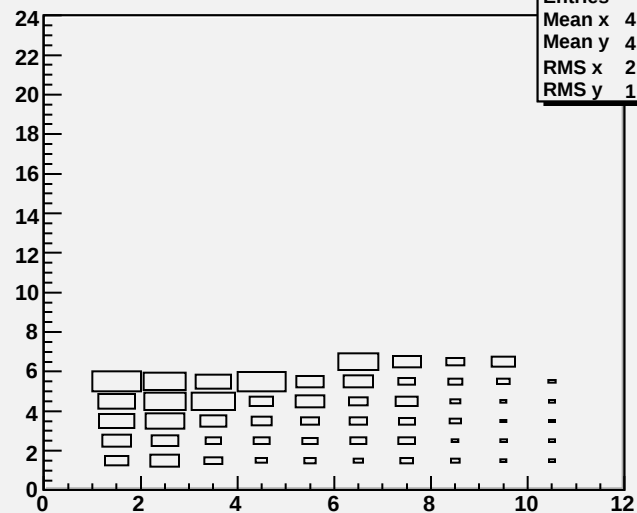
htemp

htemp	
Entries	389
Mean	6.511
RMS	0.322

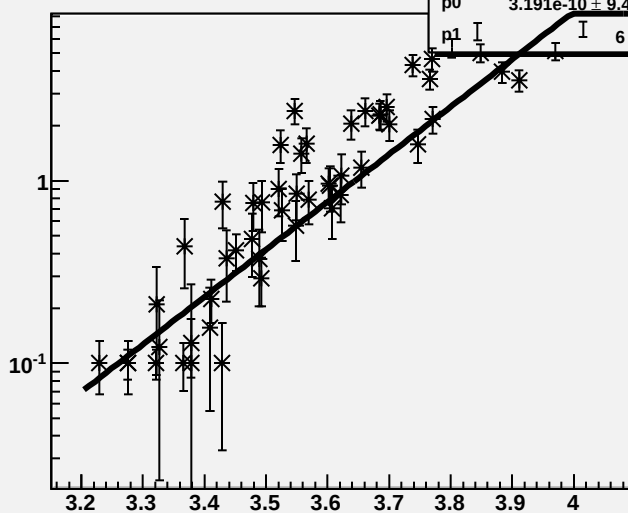
../Code2/data2/_Cellr6_c9_3.root_Y=3.5236245.2 En 6 9 3



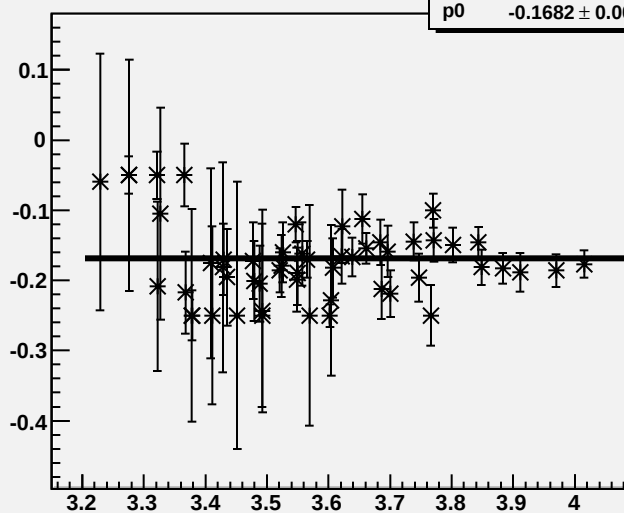
TMatrixFBase
Entries 288
Mean x 4.123
Mean y 4.457
RMS x 2.294
RMS y 1.405



χ^2 / ndf 269.4 / 53
p0 $3.191e-10 \pm 9.43e-12$
p1 6 ± 0

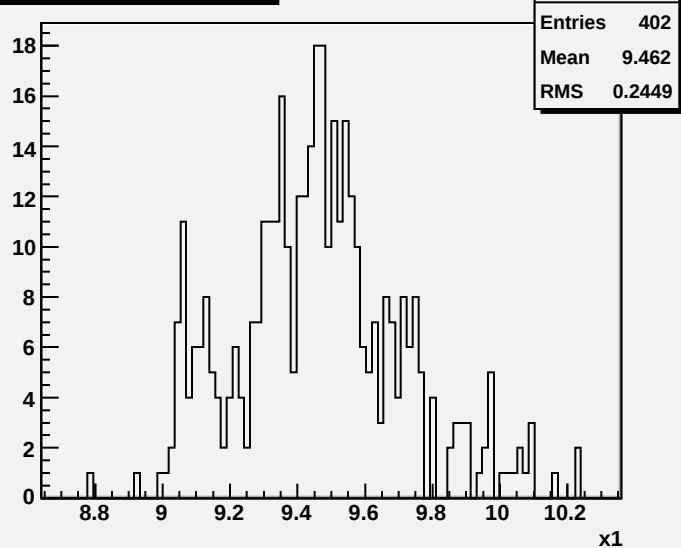


χ^2 / ndf 104.4 / 53
p0 -0.1682 ± 0.004755



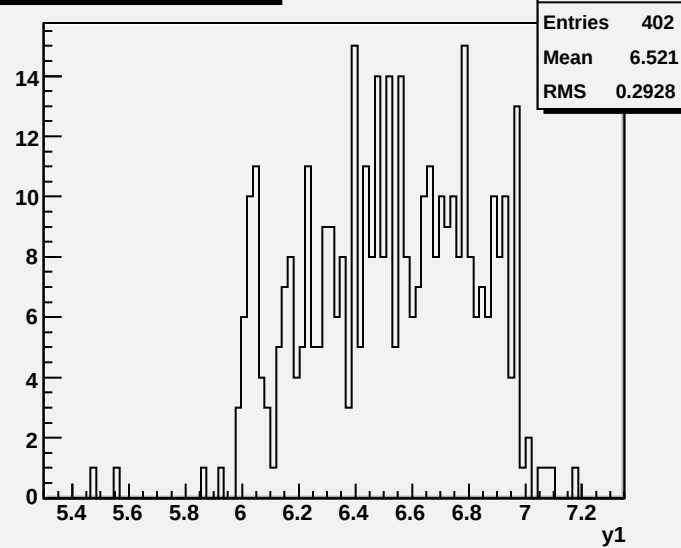
x1 {er>20 && mr<.25}

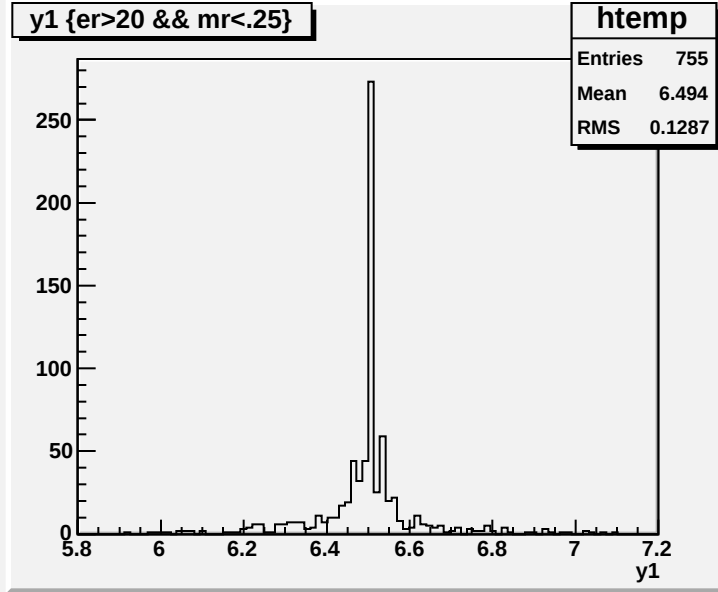
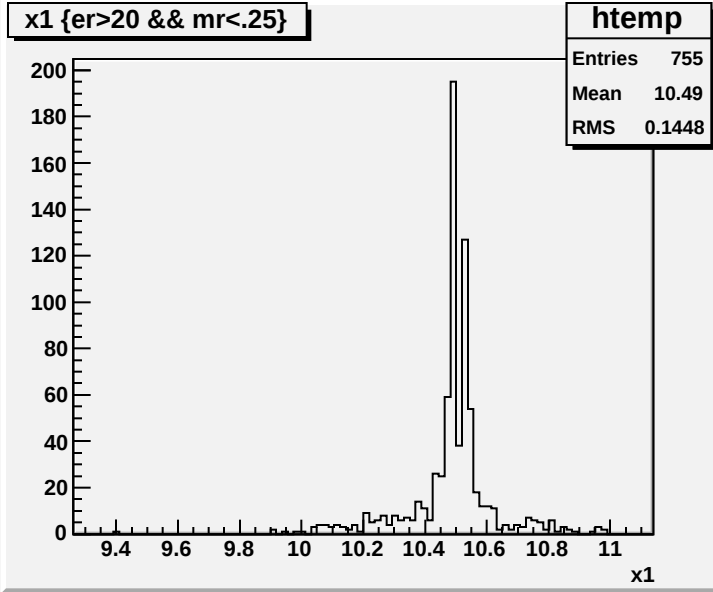
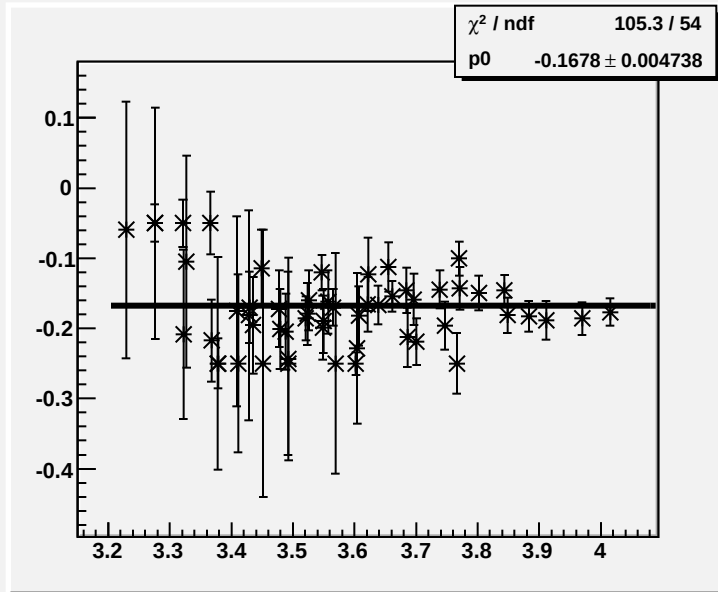
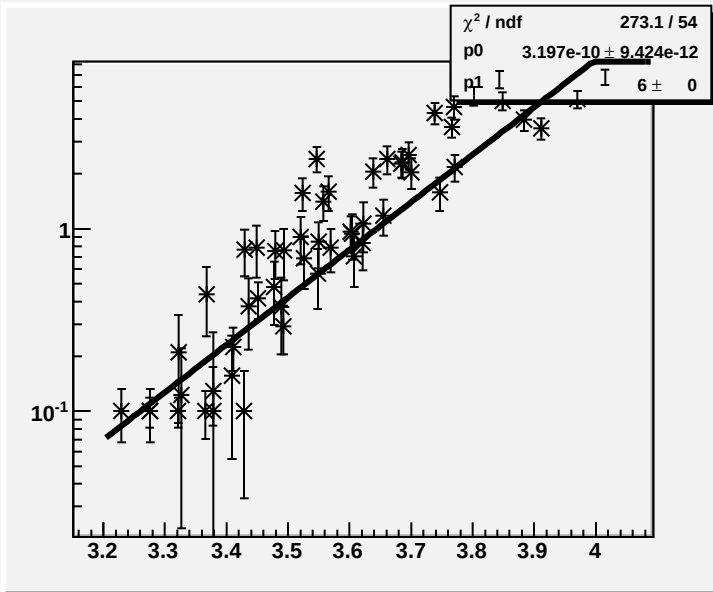
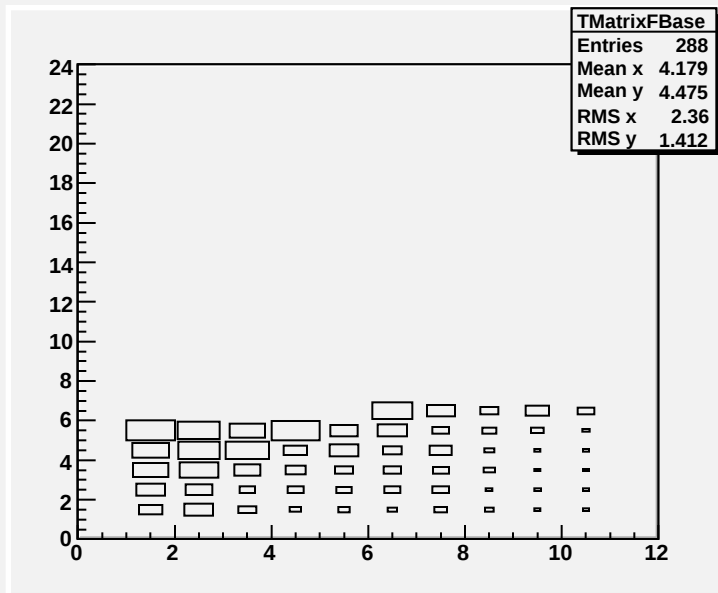
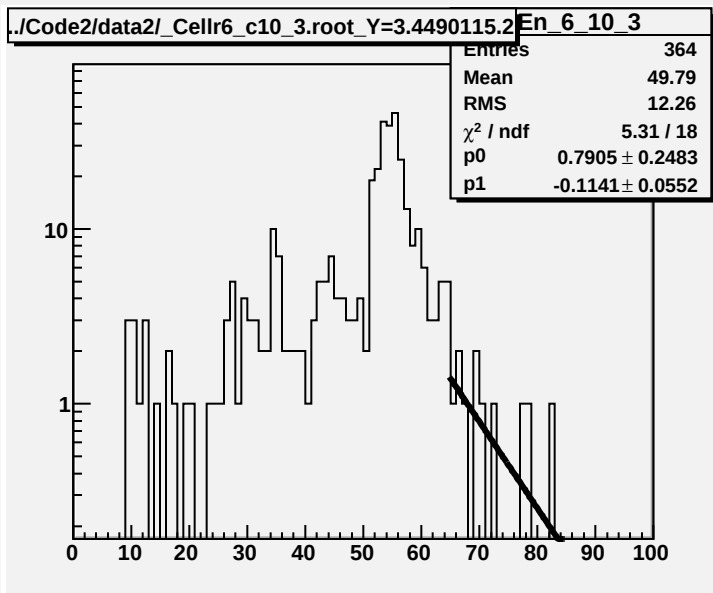
htemp



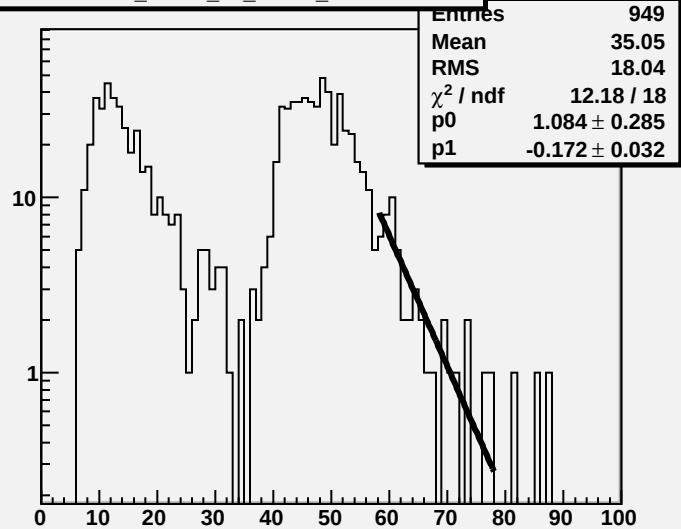
y1 {er>20 && mr<.25}

htemp

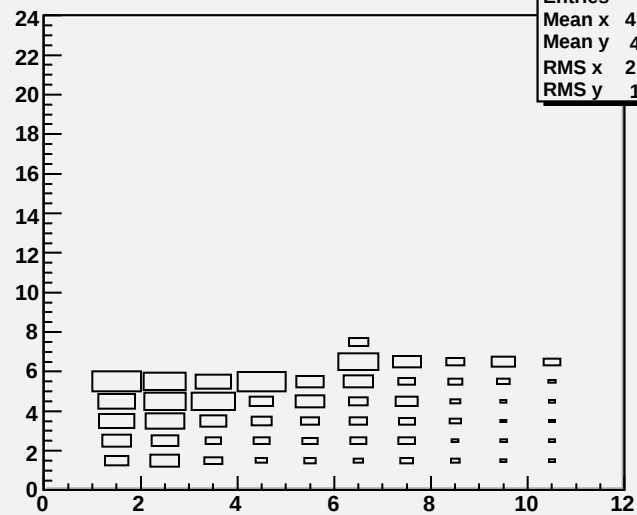




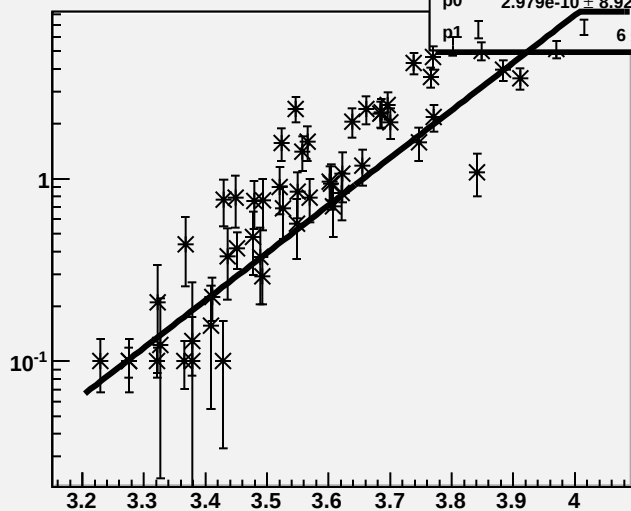
../Code2/data2/_Cellr7_c6_3.root_Y=3.8412755.2 En 7 6 3



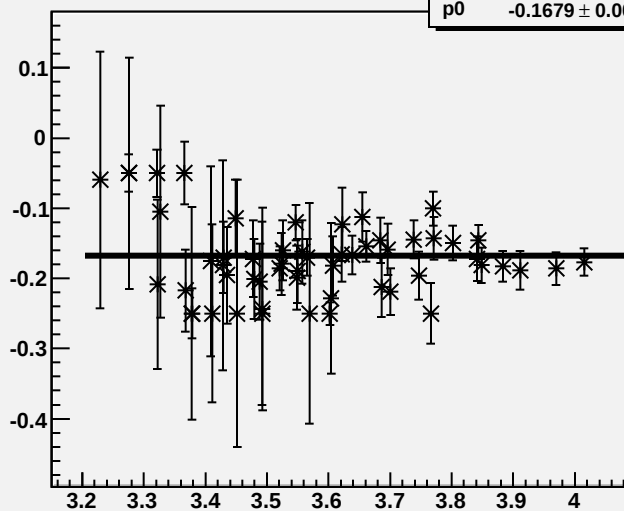
TMatrixFBase
Entries 288
Mean x 4.207
Mean y 4.511
RMS x 2.359
RMS y 1.441



χ^2 / ndf 325.7 / 55
p0 $2.979\text{e-}10 \pm 8.929\text{e-}12$
p1 6 ± 0

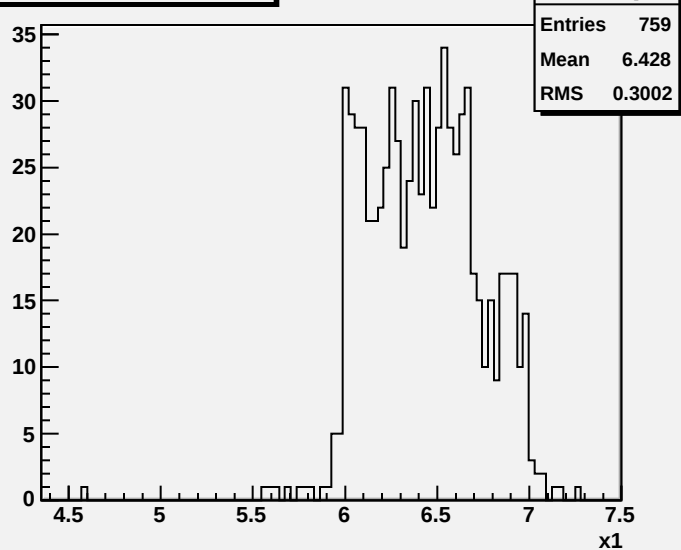


χ^2 / ndf 105.3 / 55
p0 -0.1679 ± 0.004685



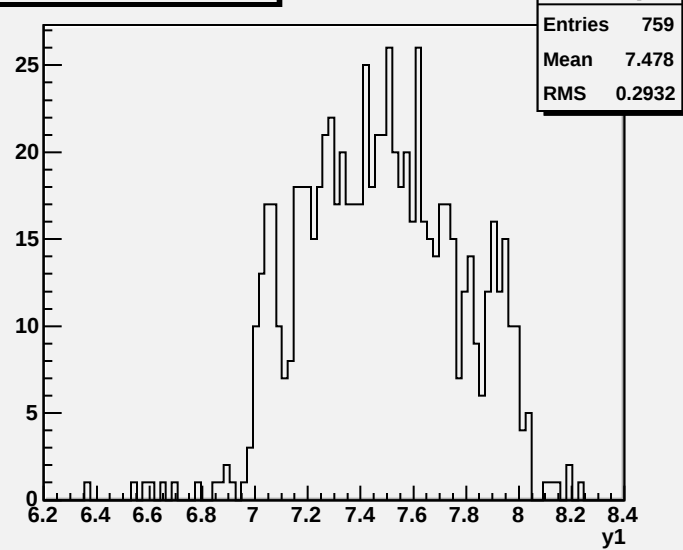
x1 {er>20 && mr<.25}

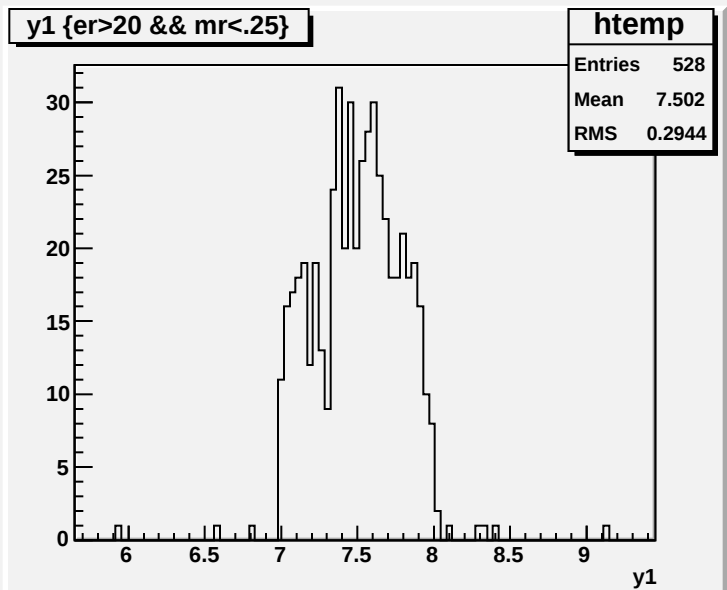
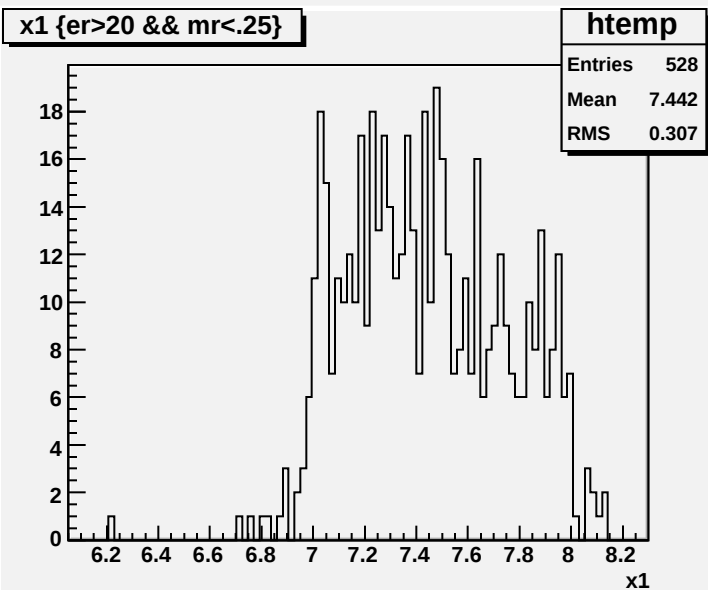
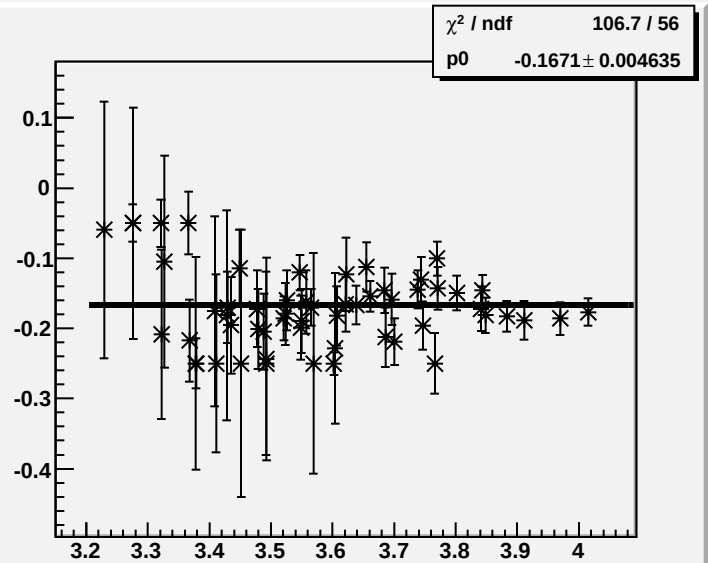
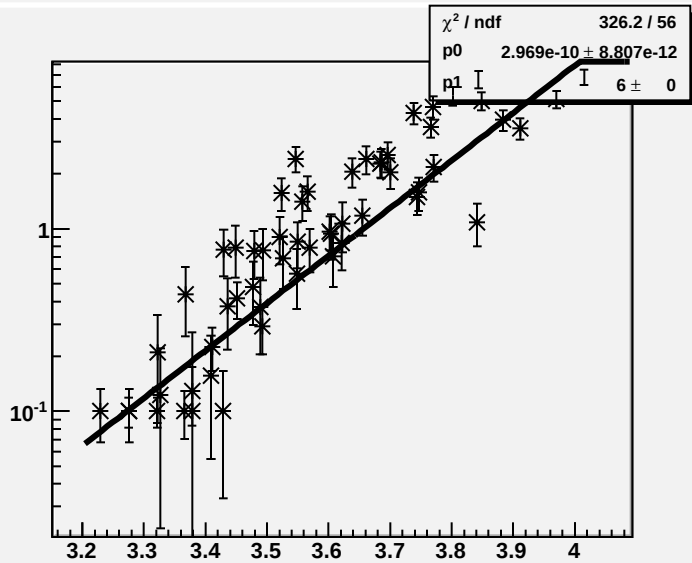
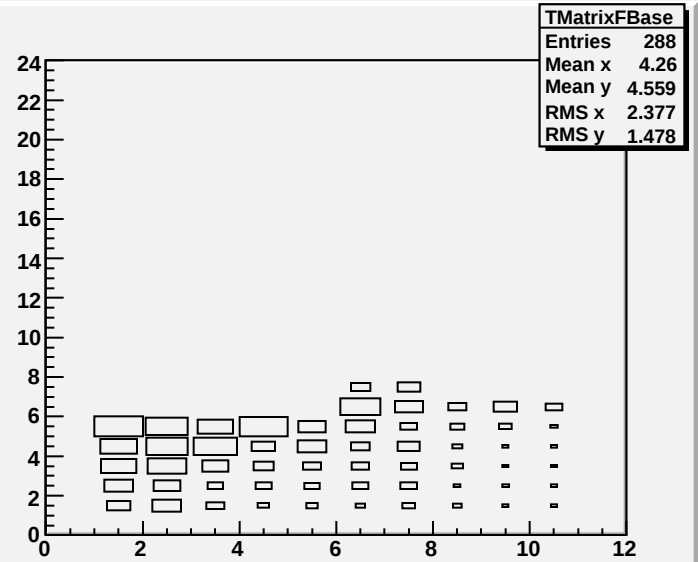
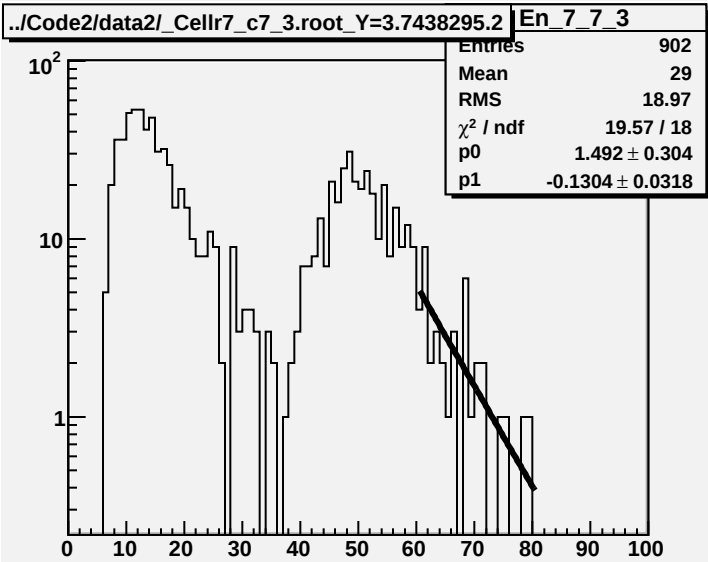
htemp



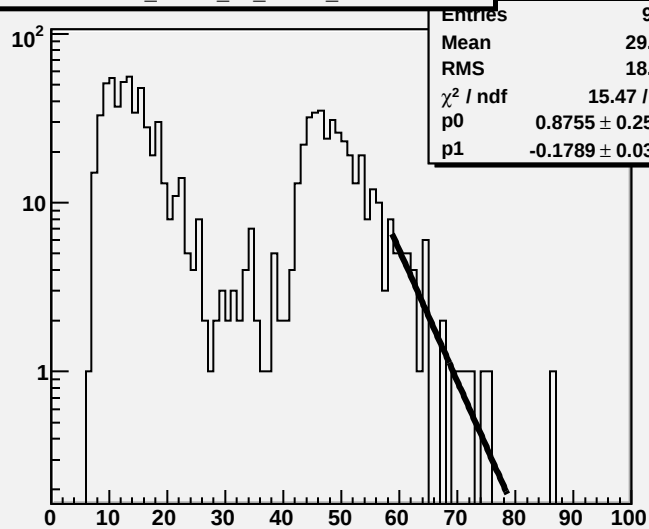
y1 {er>20 && mr<.25}

htemp

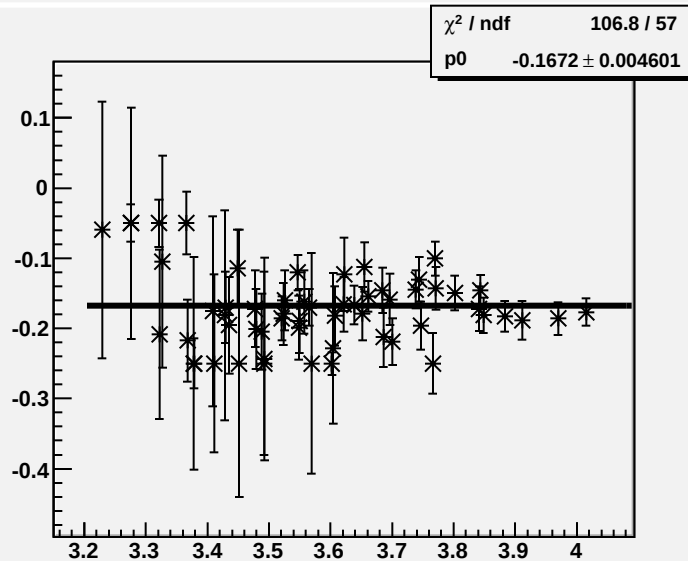
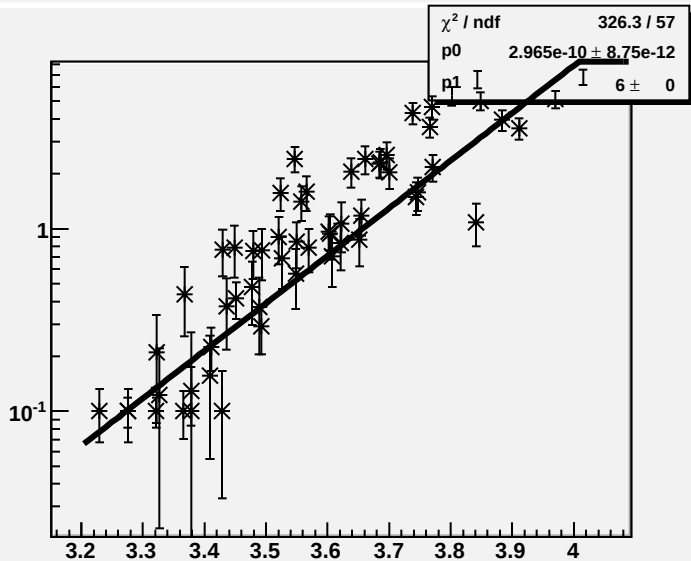
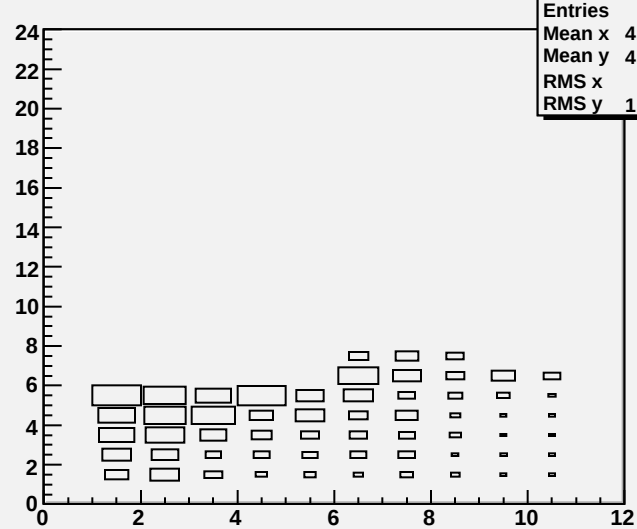




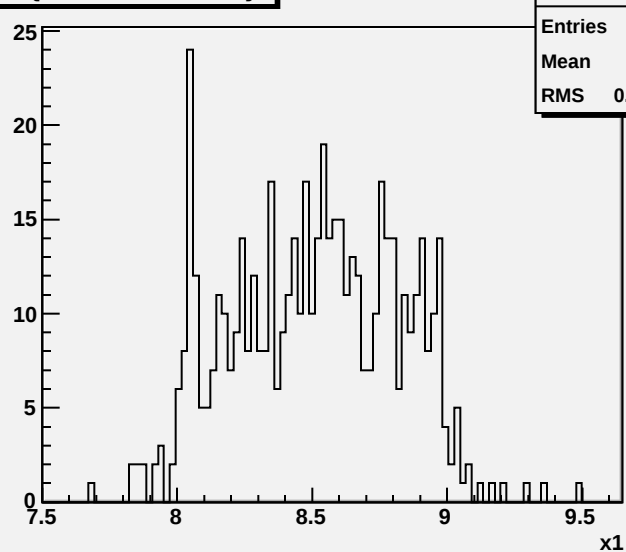
../Code2/data2/_Cellr7_c8_3.root_Y=3.6520695.2 En 7 8 3



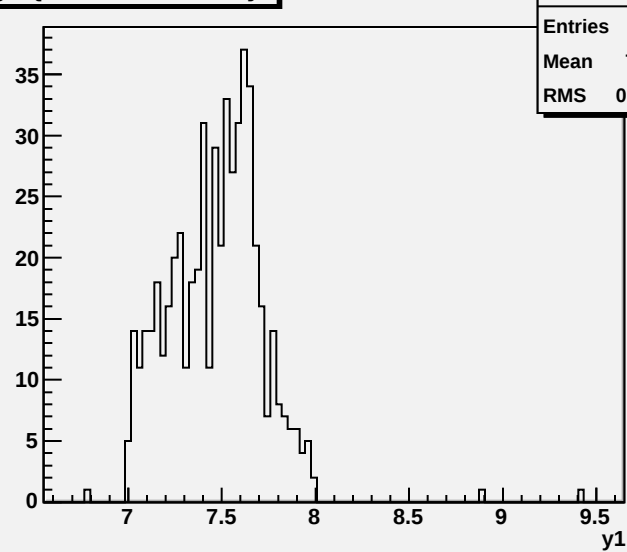
TMatrixFBase



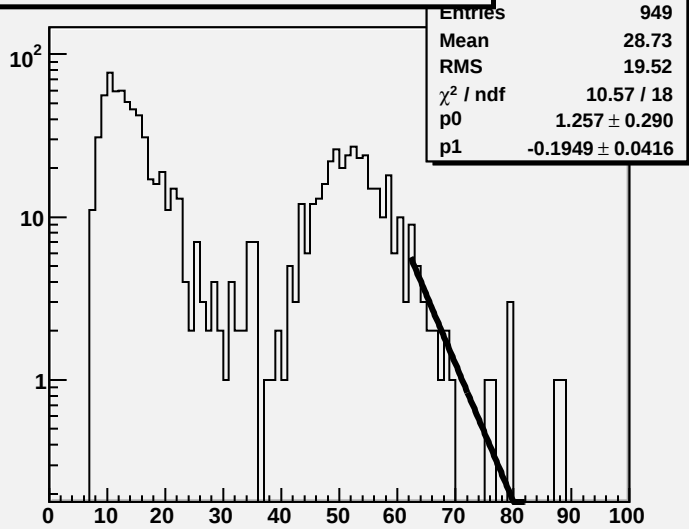
x1 {er>20 && mr<.25}



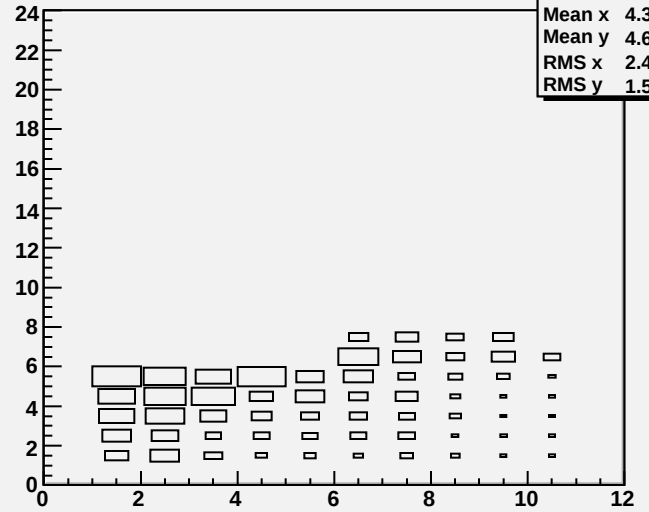
y1 {er>20 && mr<.25}



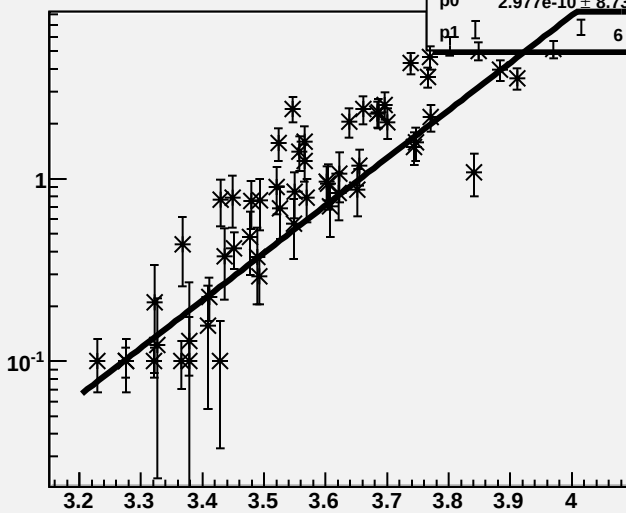
../Code2/data2/_Cellr7_c9_3.root_Y=3.5659705.2 En 7 9 3



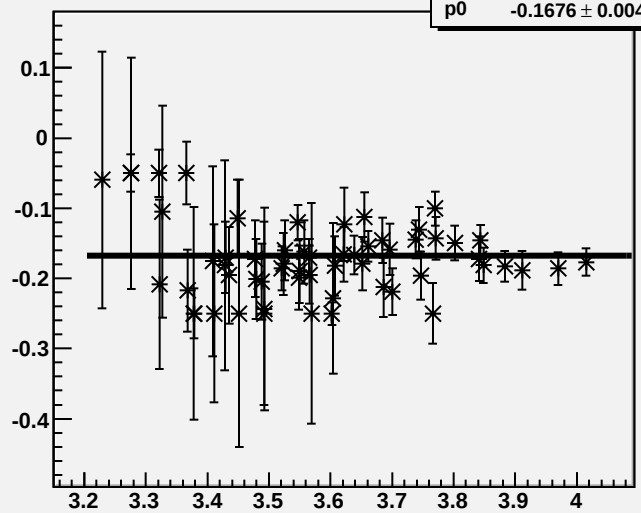
TMatrixFBase
Entries 288
Mean x 4.368
Mean y 4.626
RMS x 2.458
RMS y 1.525



χ^2 / ndf 331.7 / 58
p0 $2.977\text{e-}10 \pm 8.734\text{e-}12$
p1 6 ± 0

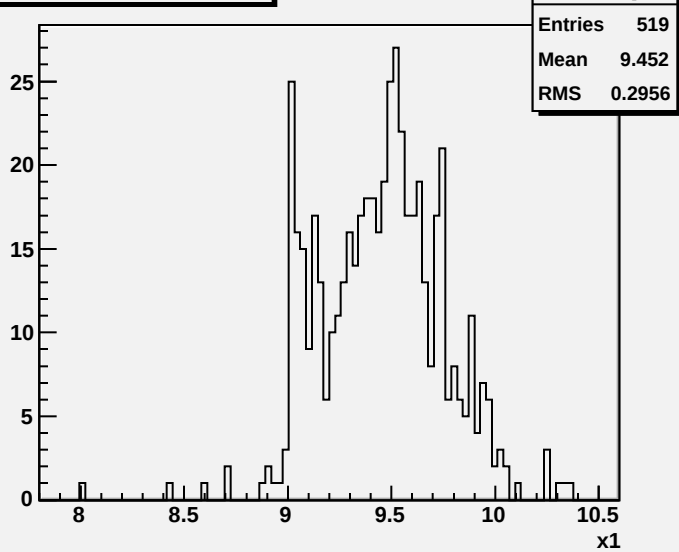


χ^2 / ndf 107.2 / 58
p0 -0.1676 ± 0.004573



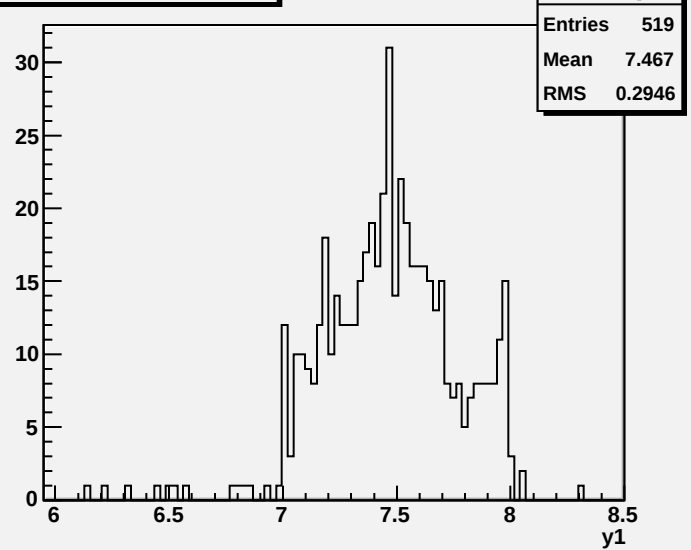
x1 {er>20 && mr<.25}

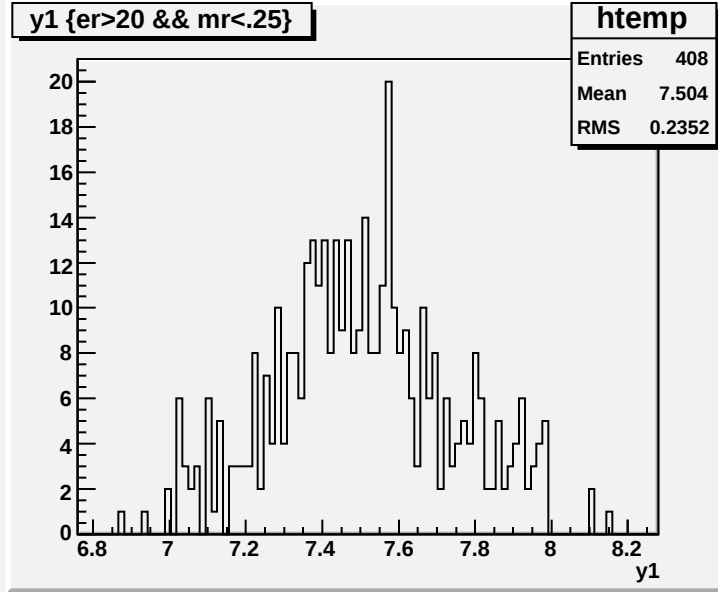
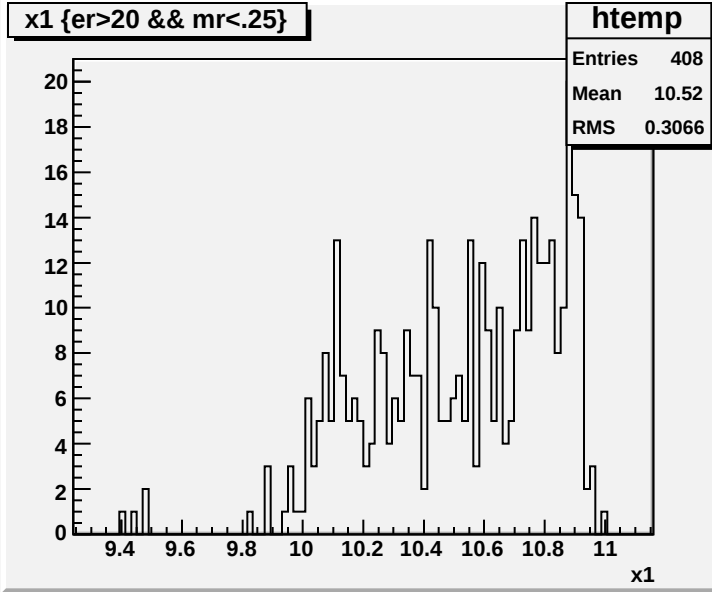
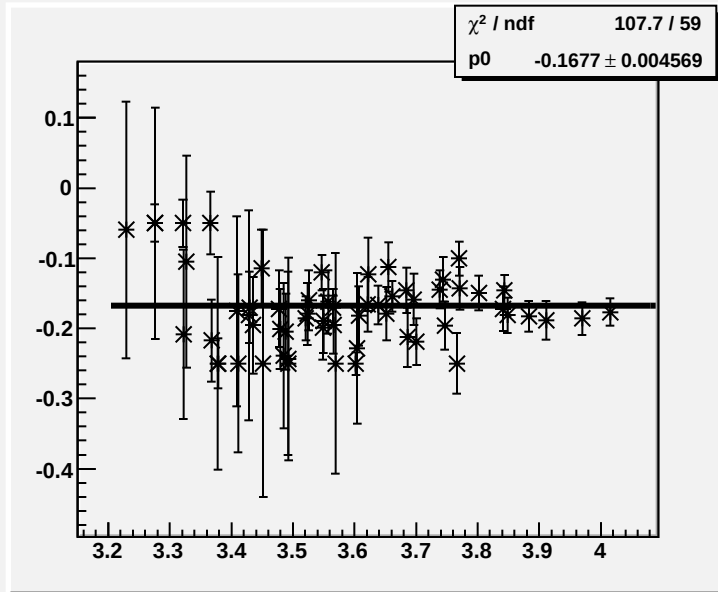
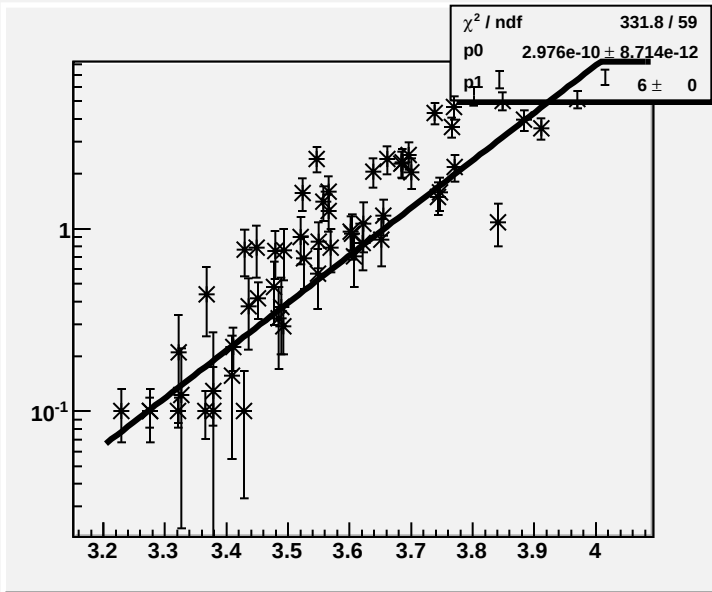
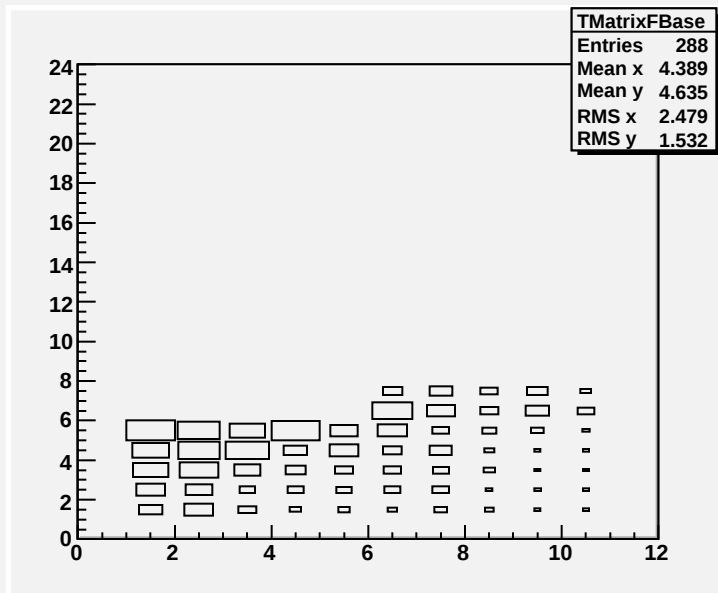
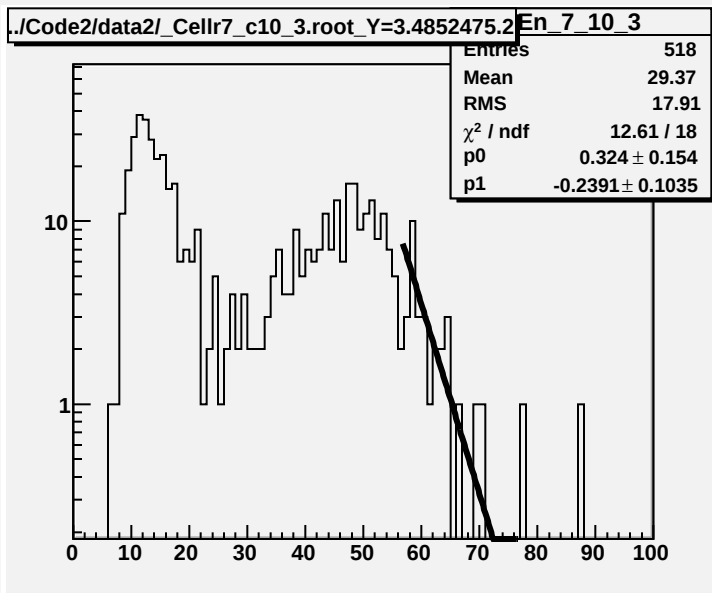
htemp



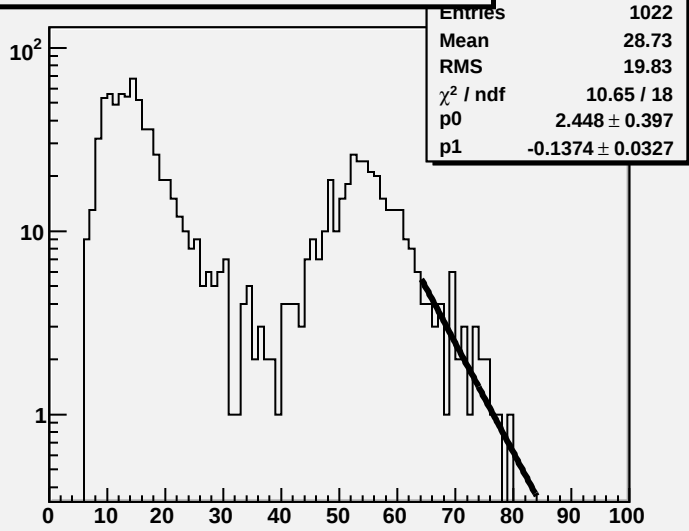
y1 {er>20 && mr<.25}

htemp

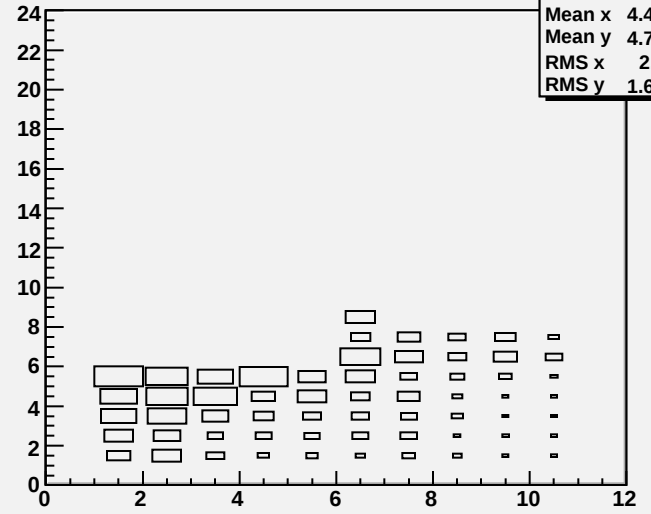




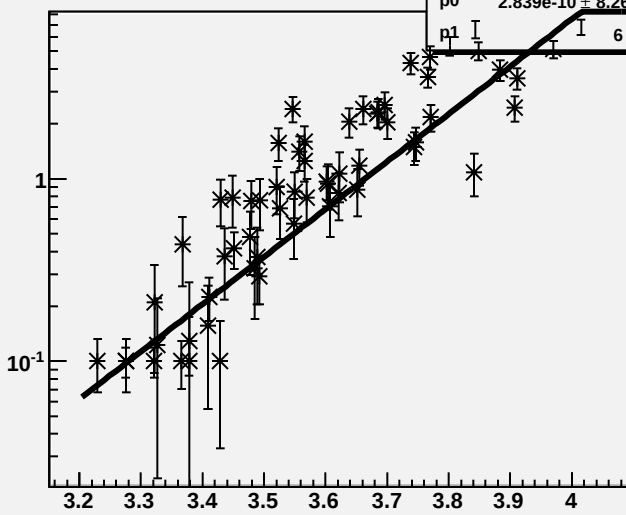
../Code2/data2/_Cellr8_c6_3.root_Y=3.9073635.2 En 8 6 3



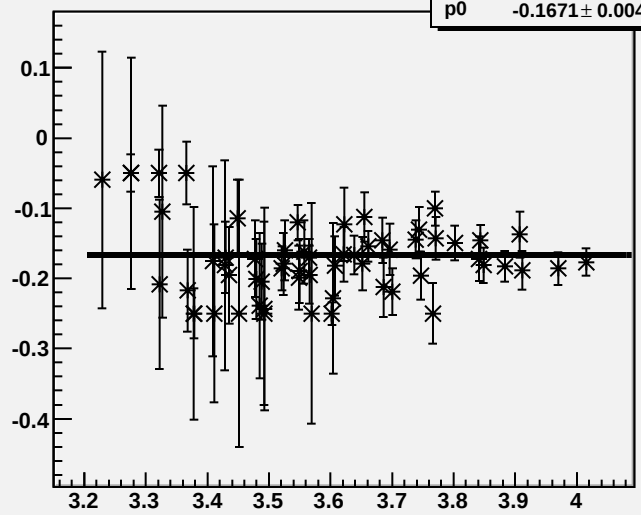
TMatrixFBase
Entries 288
Mean x 4.442
Mean y 4.732
RMS x 2.47
RMS y 1.629



χ^2 / ndf 356.3 / 60
p0 $2.839\text{e-}10 \pm 8.266\text{e-}12$
p1 6 ± 0

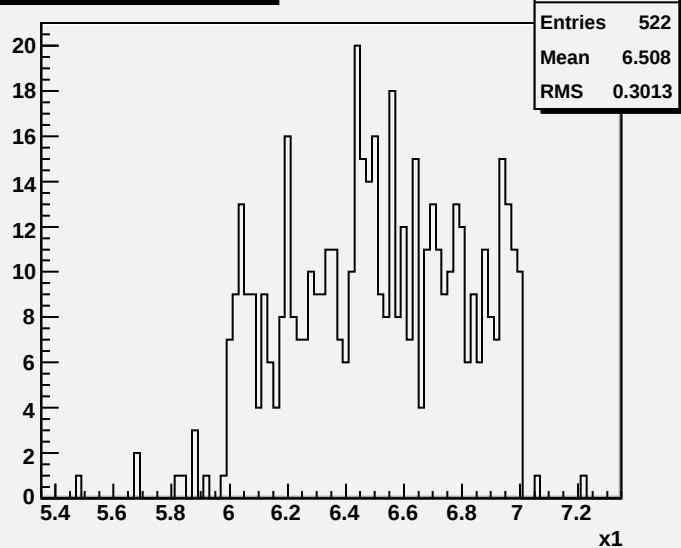


χ^2 / ndf 108.5 / 60
p0 -0.1671 ± 0.004525



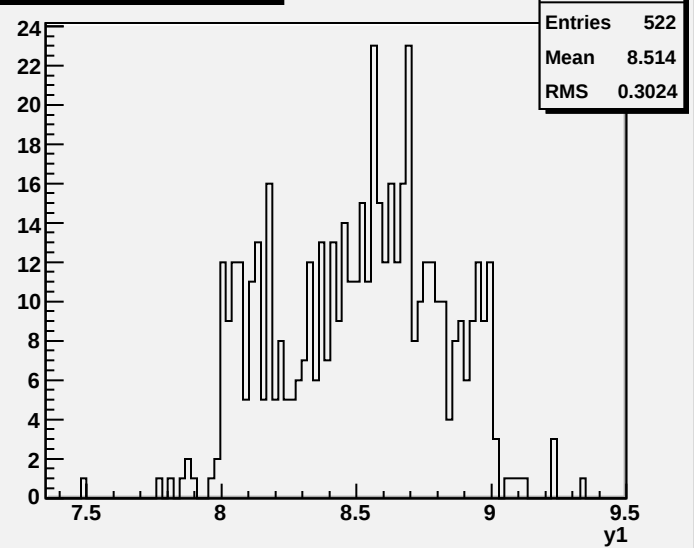
x1 {er>20 && mr<.25}

htemp

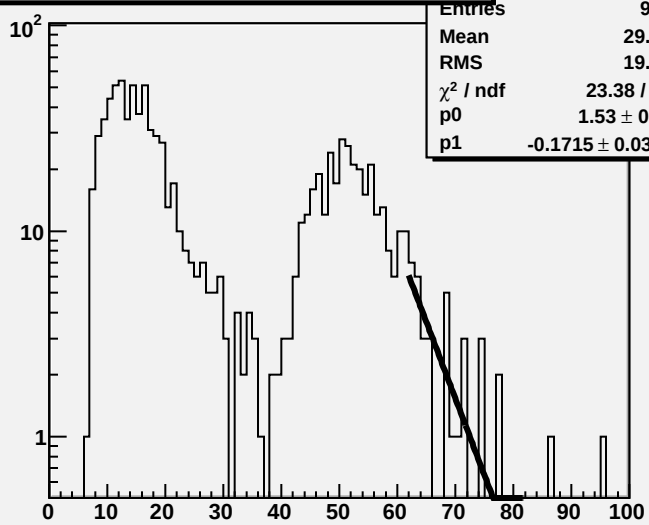


y1 {er>20 && mr<.25}

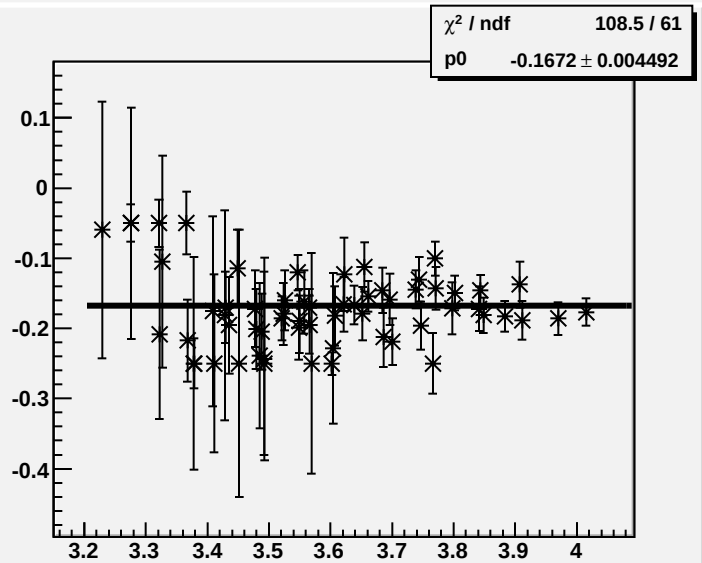
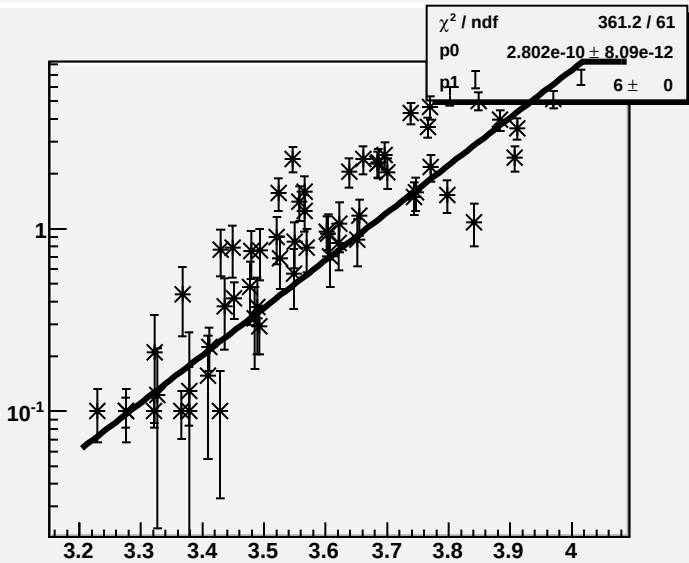
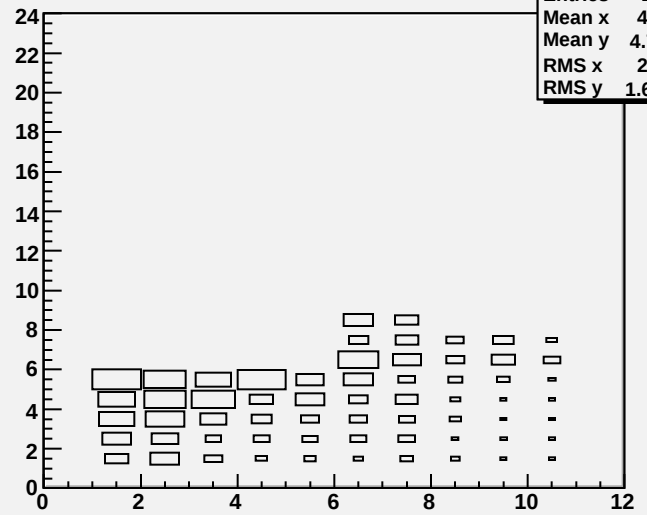
htemp



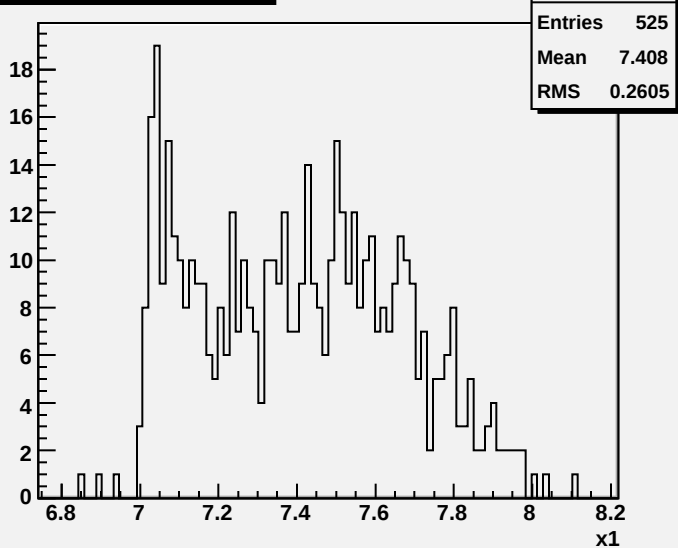
../Code2/data2/_Cellr8_c7_3.root_Y=3.7975375.2 En 8 7 3



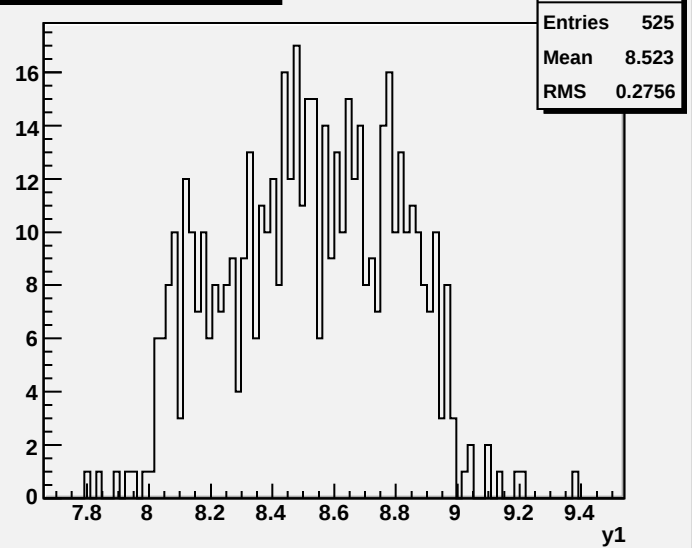
TMatrixFBase
Entries 288
Mean x 4.49
Mean y 4.791
RMS x 2.48
RMS y 1.682



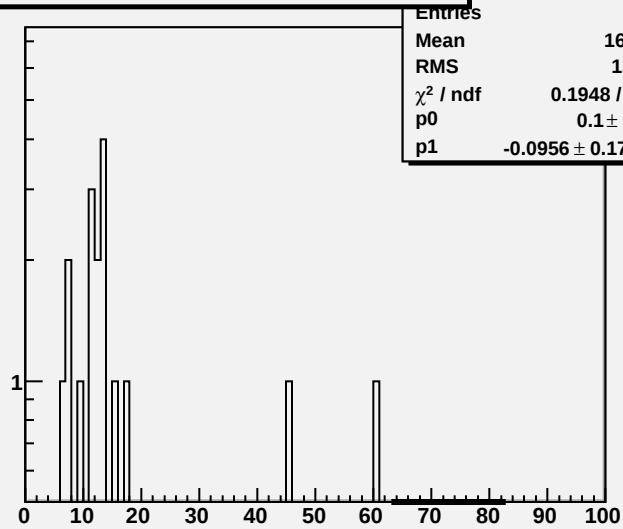
x1 {er>20 && mr<.25}



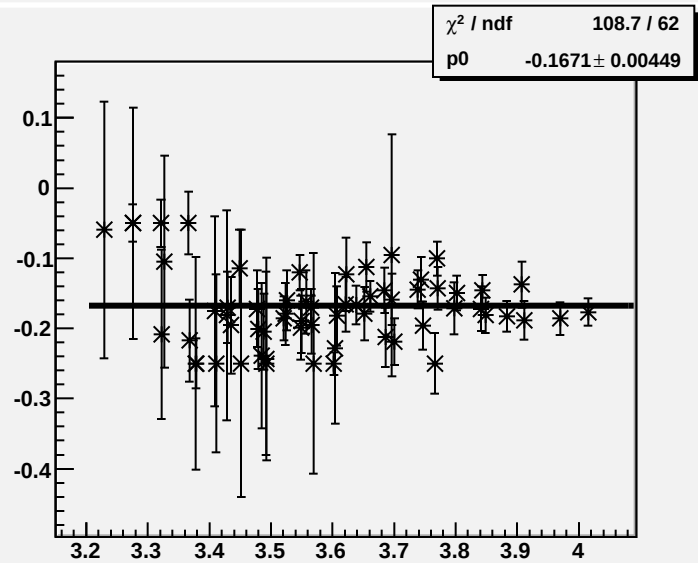
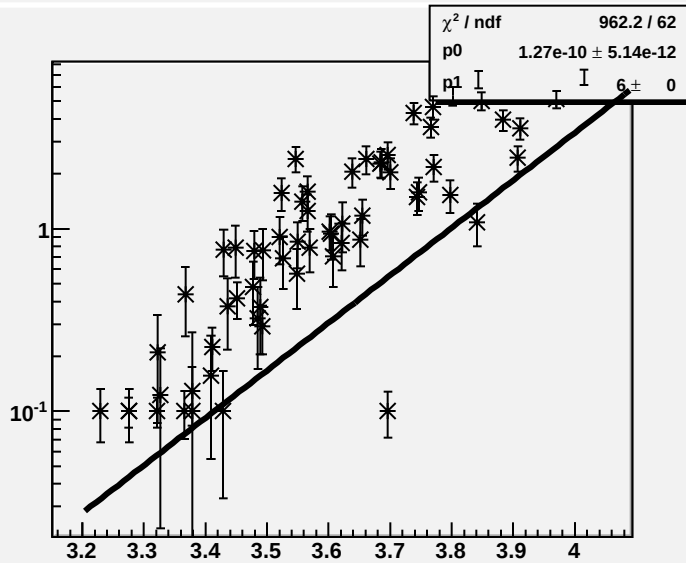
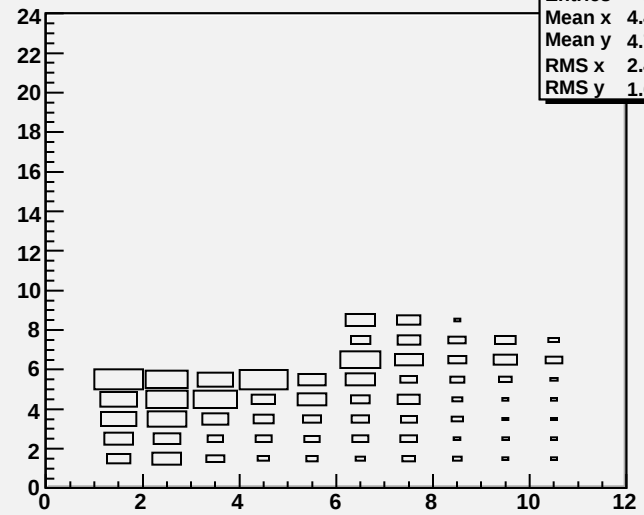
y1 {er>20 && mr<.25}



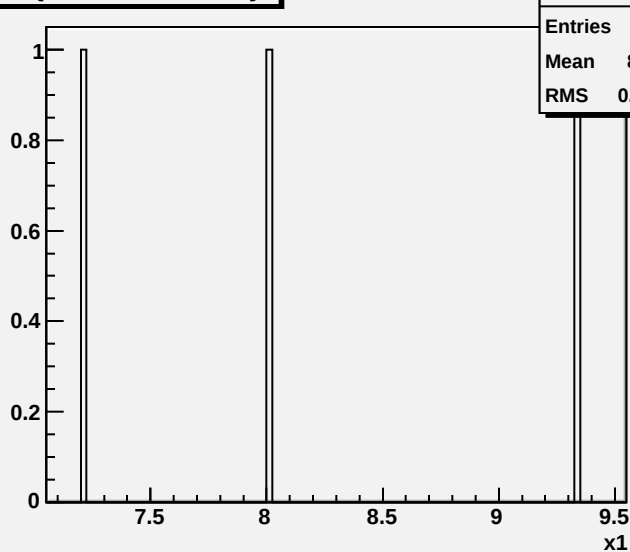
../Code2/data2/_Cellr8_c8_3.root_Y=3.6963395.2 En 8 8 3



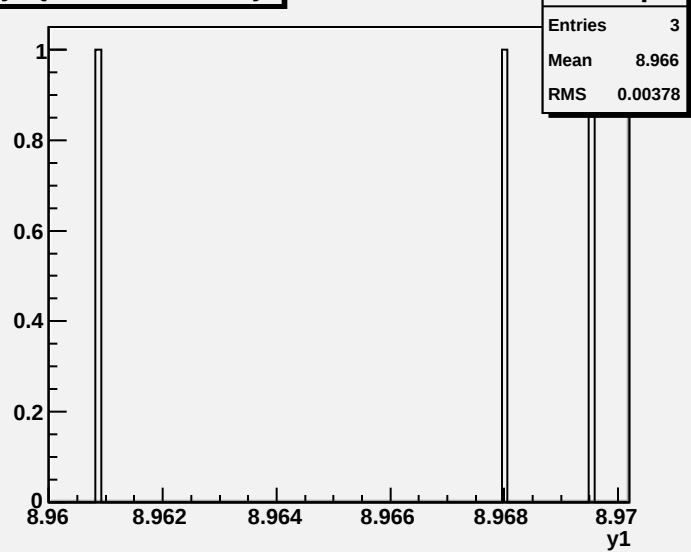
TMatrixFBase
Entries 288
Mean x 4.494
Mean y 4.794
RMS x 2.482
RMS y 1.685



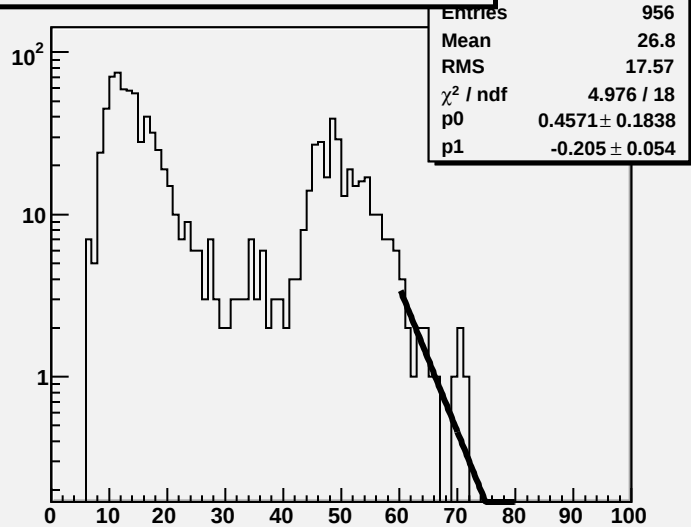
x1 {er>20 && mr<.25}



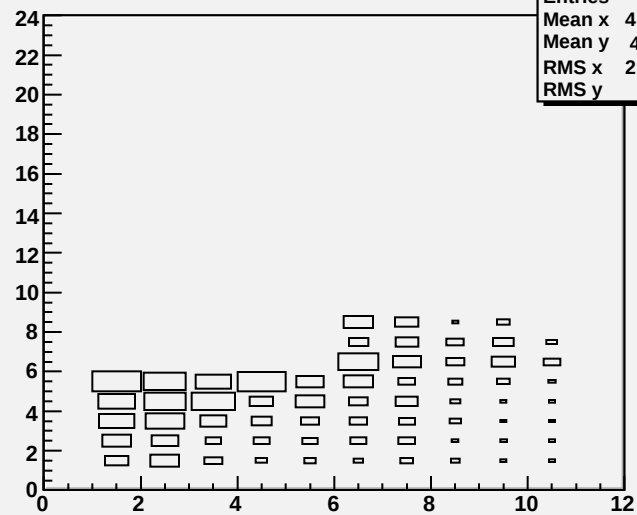
y1 {er>20 && mr<.25}



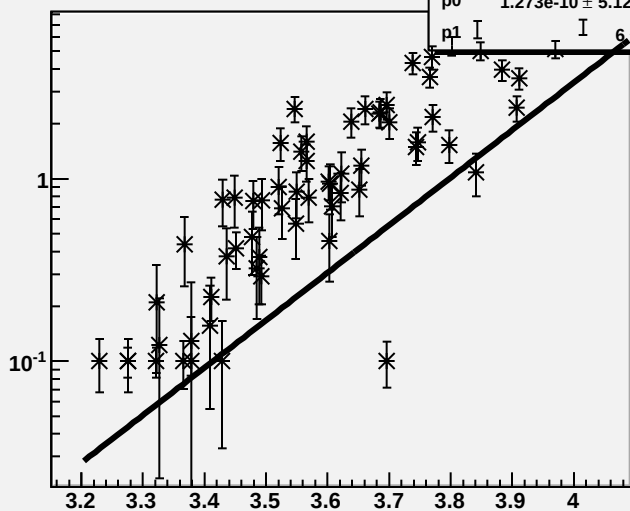
../Code2/data2/_Cellr8_c9_3.root_Y=3.6029515.2 En 8 9 3



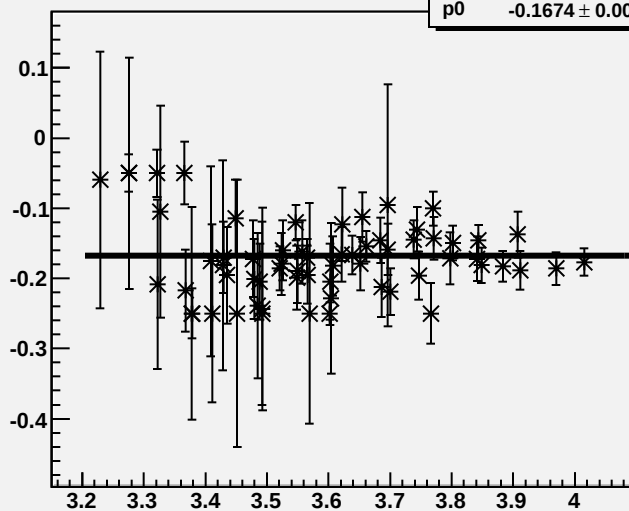
TMatrixFBase
Entries 288
Mean x 4.517
Mean y 4.811
RMS x 2.499
RMS y 1.7



χ^2 / ndf 962.8 / 63
p0 $1.273\text{e-}10 \pm 5.128\text{e-}12$
p1 6 ± 0

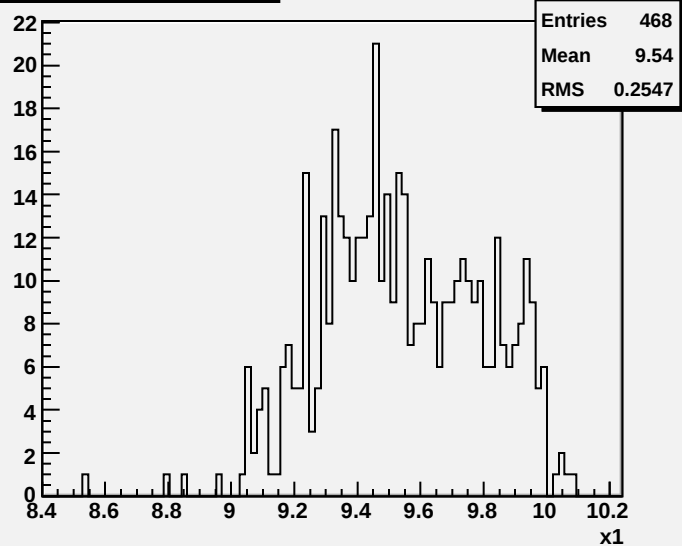


χ^2 / ndf 109.2 / 63
p0 -0.1674 ± 0.004475



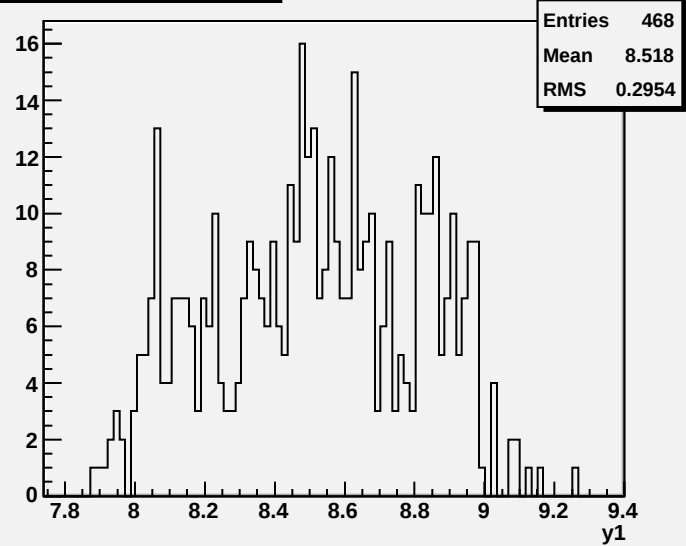
x1 {er>20 && mr<.25}

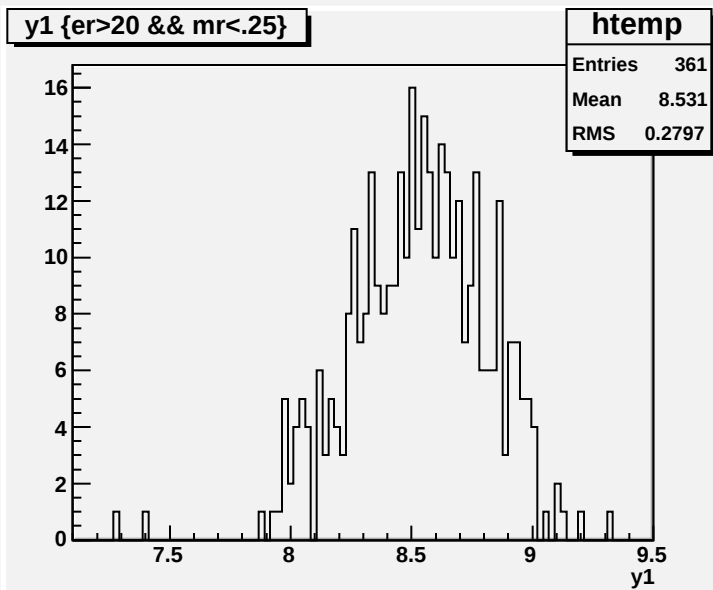
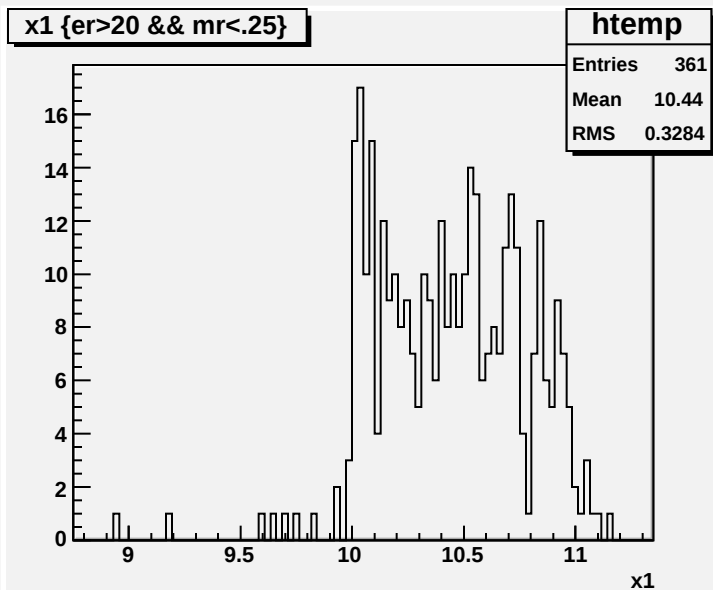
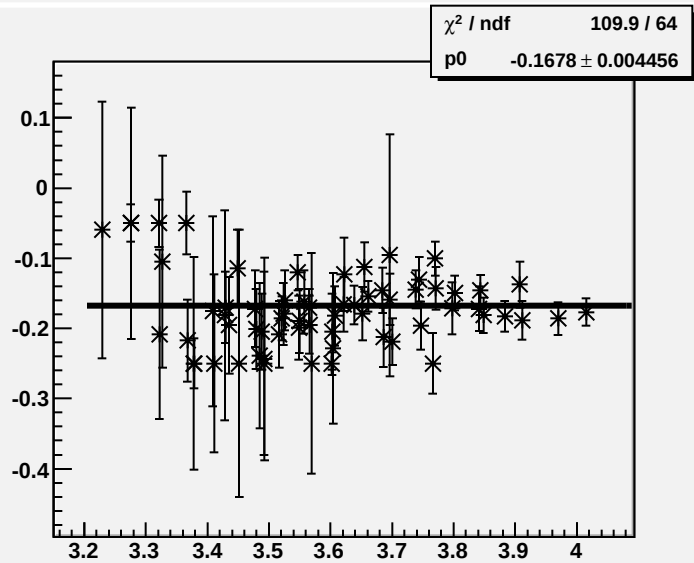
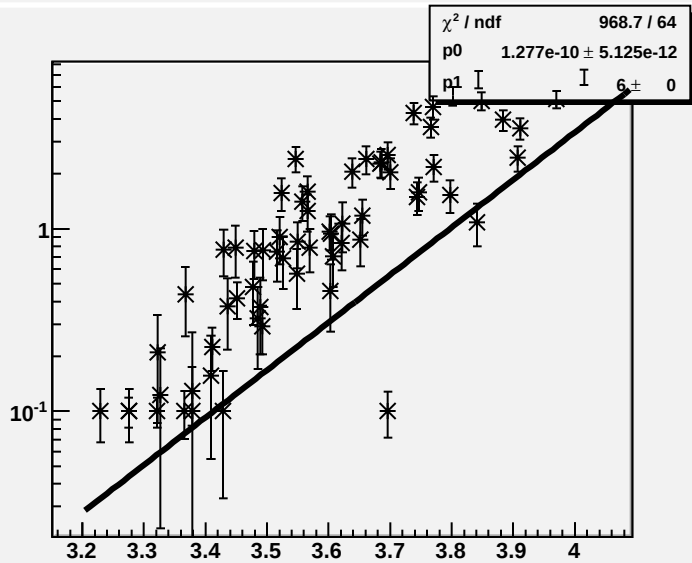
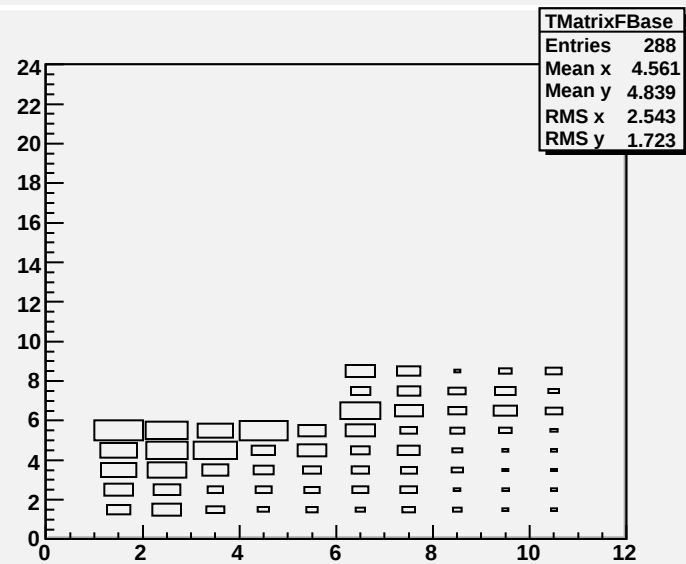
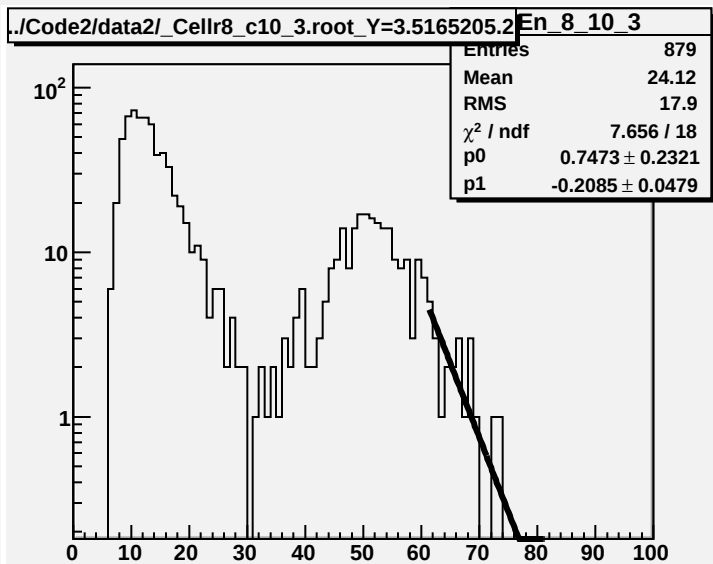
htemp



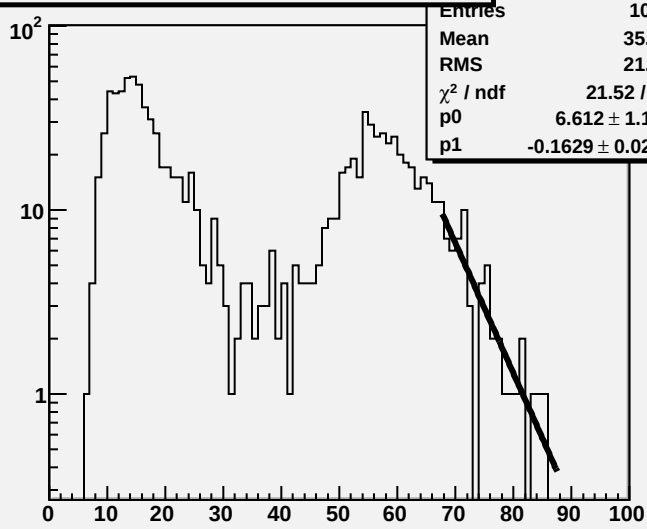
y1 {er>20 && mr<.25}

htemp

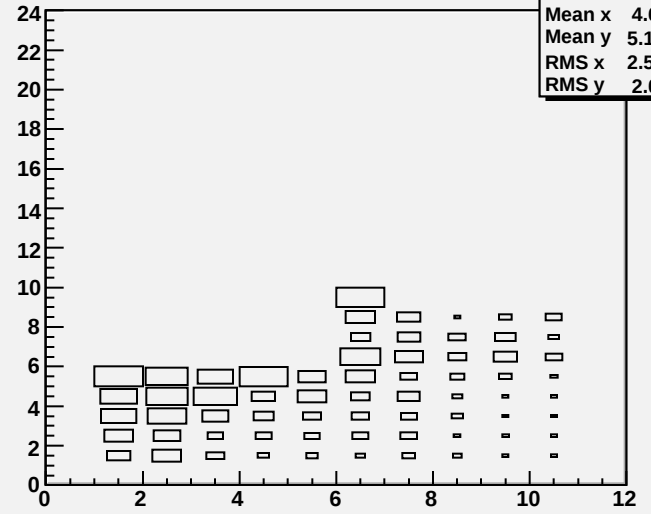




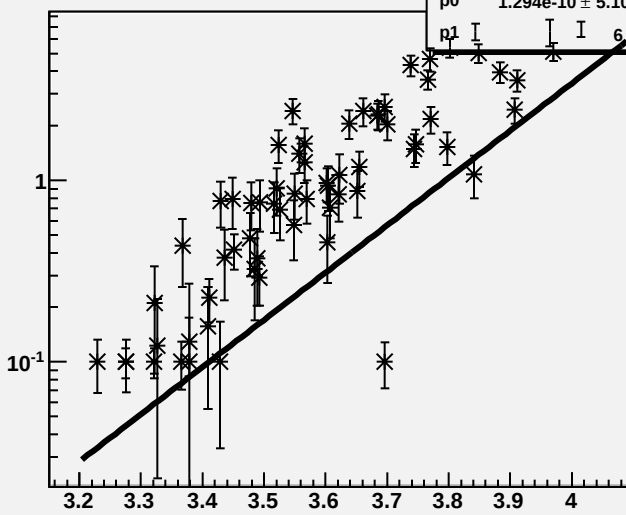
../Code2/data2/_Cellr9_c6_3.root_Y=3.9641795.2 En 9 6 3



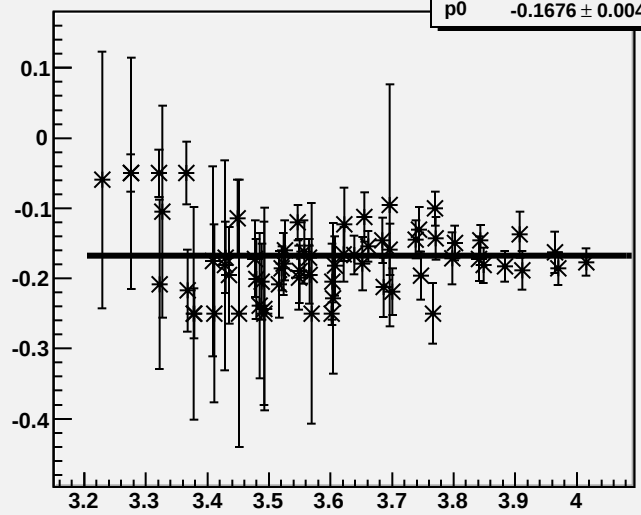
TMatrixFBase
Entries 288
Mean x 4.681
Mean y 5.127
RMS x 2.507
RMS y 2.011



χ^2 / ndf 980.7 / 65
p0 $1.294\text{e-}10 \pm 5.101\text{e-}12$
p1 6 ± 0

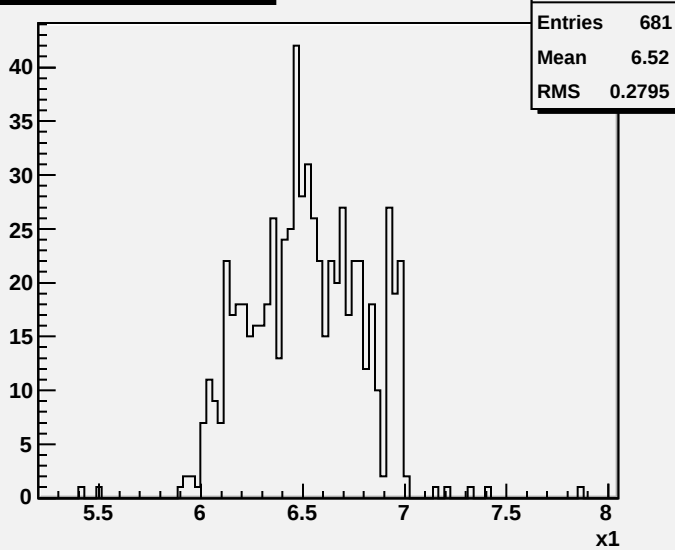


χ^2 / ndf 110 / 65
p0 -0.1676 ± 0.004405



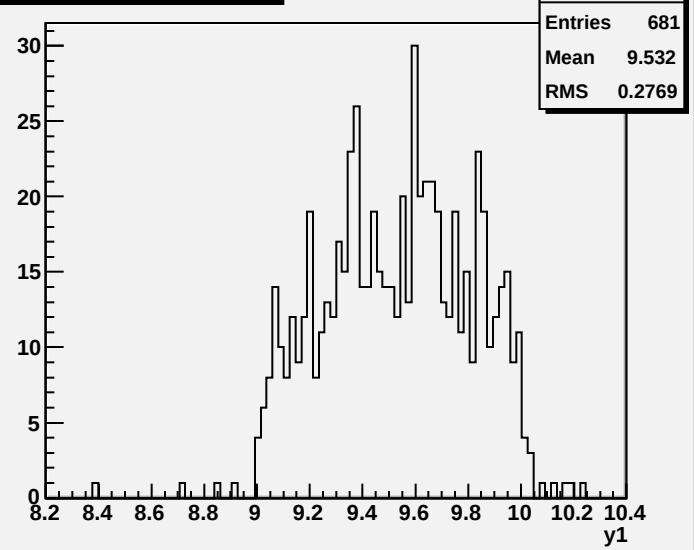
x1 {er>20 && mr<.25}

htemp

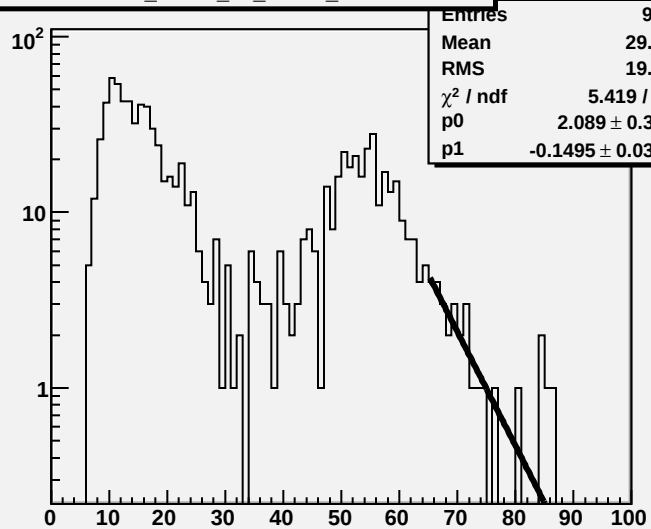


y1 {er>20 && mr<.25}

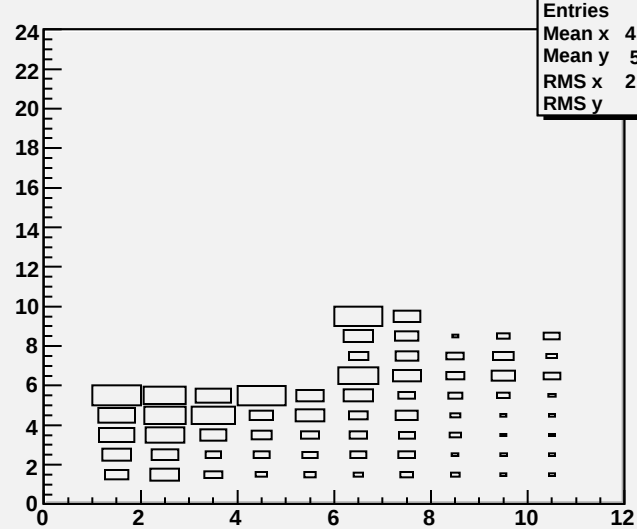
htemp



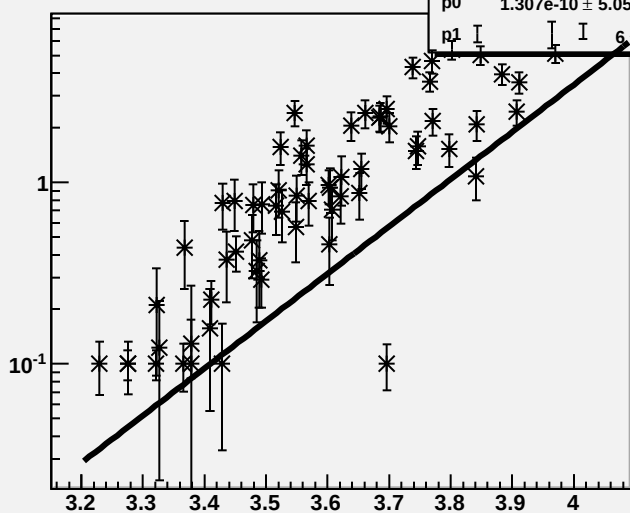
../Code2/data2/_Cellr9_c7_3.root_Y=3.8426075.2 En 9 7 3



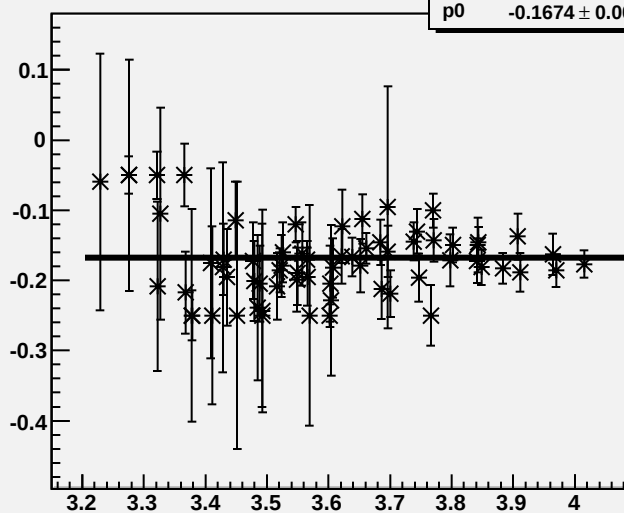
TMatrixFBase



χ^2 / ndf 984.2 / 66
p0 $1.307\text{e-}10 \pm 5.057\text{e-}12$
p1 6 ± 0

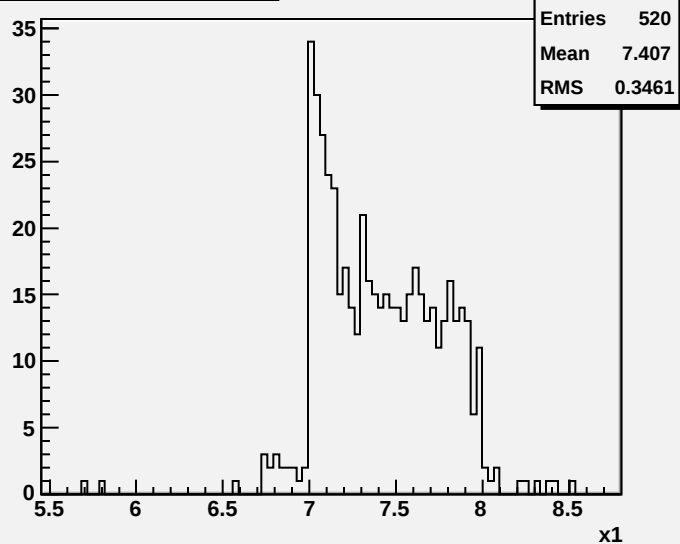


χ^2 / ndf 110.2 / 66
p0 -0.1674 ± 0.004377



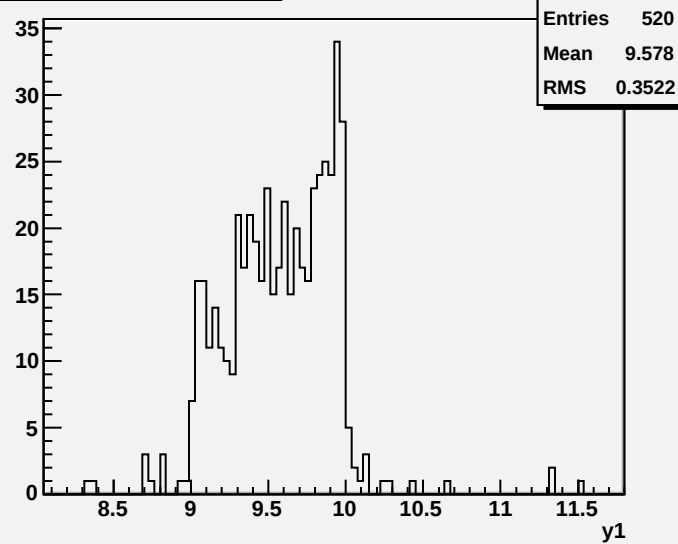
x1 {er>20 && mr<.25}

htemp

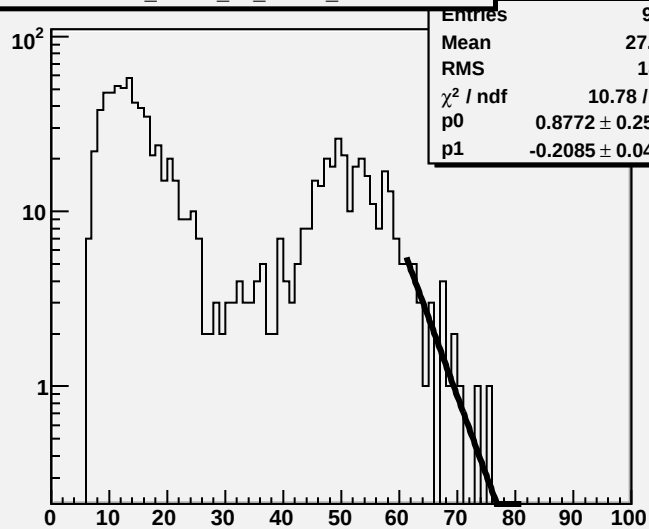


y1 {er>20 && mr<.25}

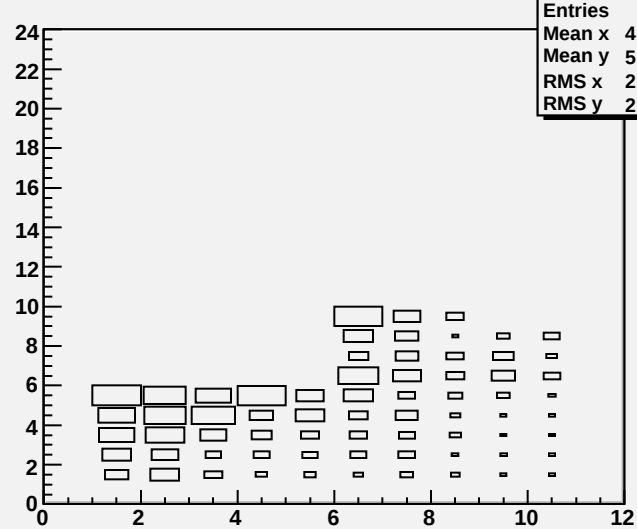
htemp



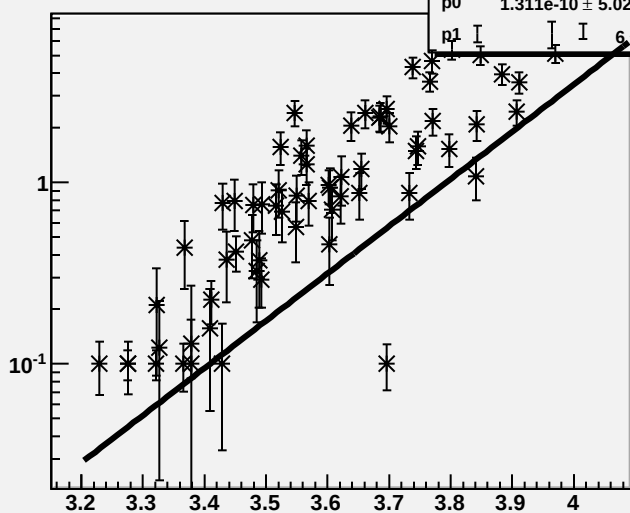
../Code2/data2/_Cellr9_c8_3.root_Y=3.7328245.2 En 9 8 3



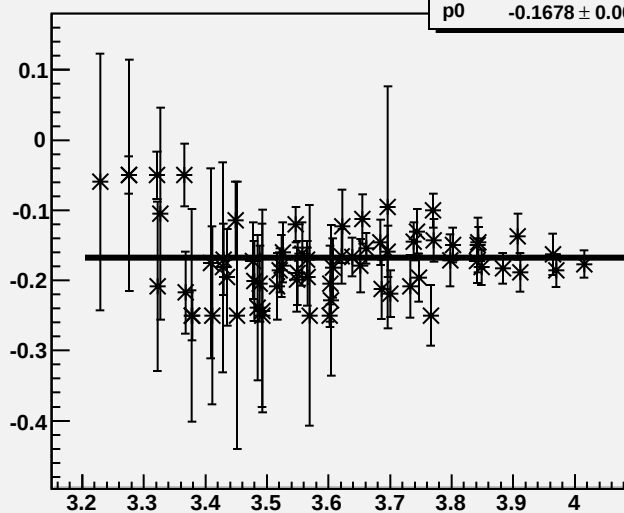
TMatrixFBase



χ^2 / ndf 984.8 / 67
p0 $1.311\text{e-}10 \pm 5.028\text{e-}12$
p1 6 ± 0

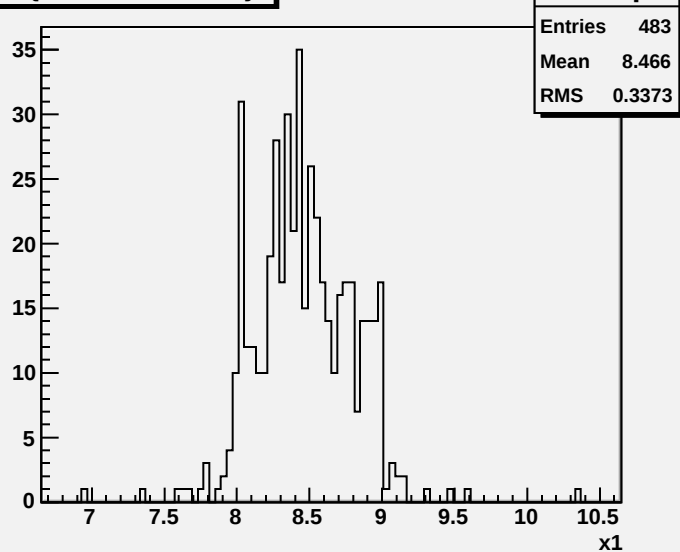


χ^2 / ndf 111 / 67
p0 -0.1678 ± 0.004356



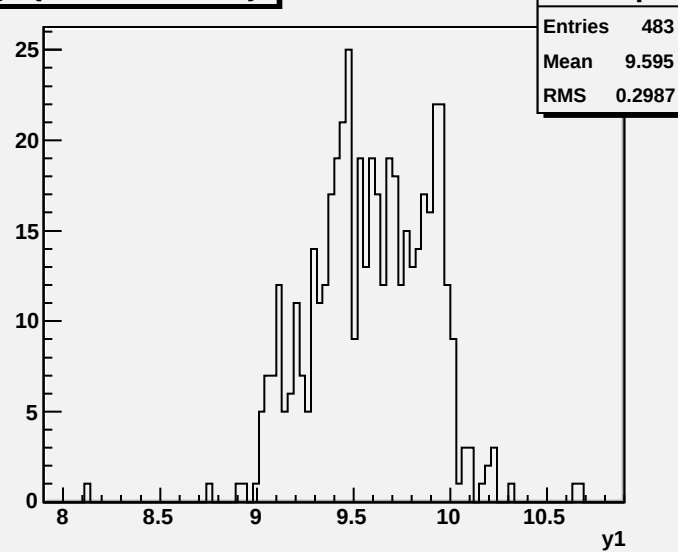
x1 {er>20 && mr<.25}

htemp

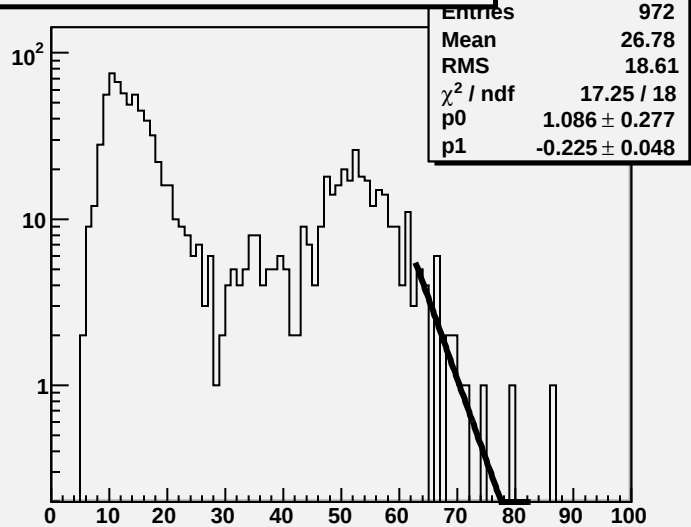


y1 {er>20 && mr<.25}

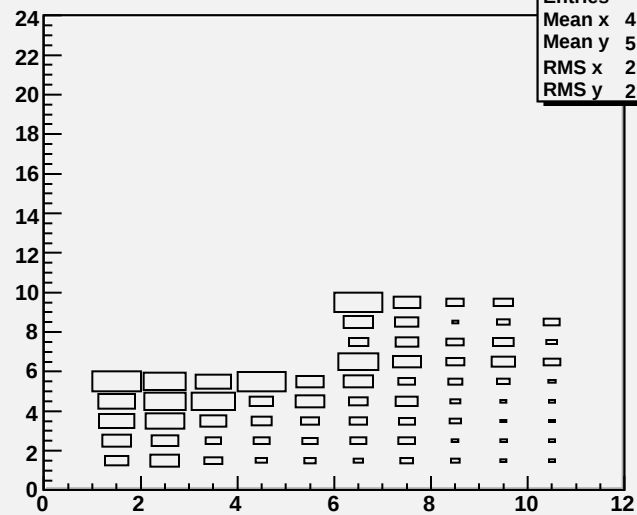
htemp



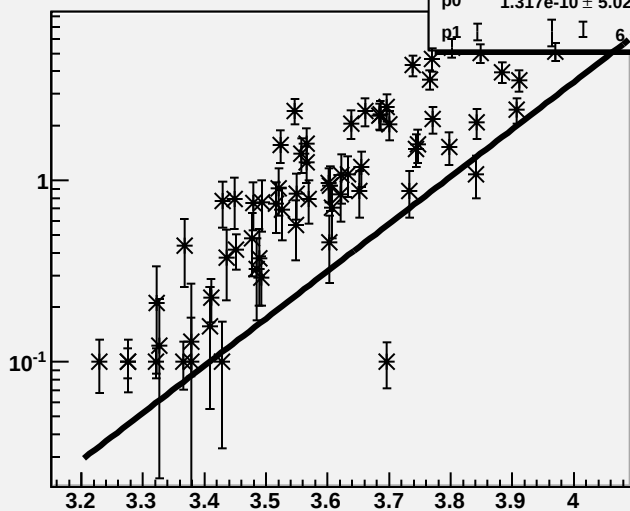
../Code2/data2/_Cellr9_c9_3.root_Y=3.6330135.2 En 9 9 3



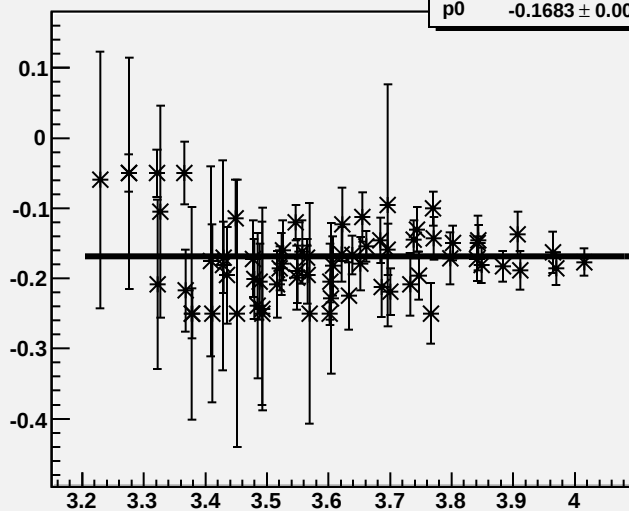
TMatrixFBase
Entries 288
Mean x 4.812
Mean y 5.287
RMS x 2.555
RMS y 2.138



χ^2 / ndf 991.1 / 68
p0 $1.317\text{e-}10 \pm 5.021\text{e-}12$
p1 6 ± 0



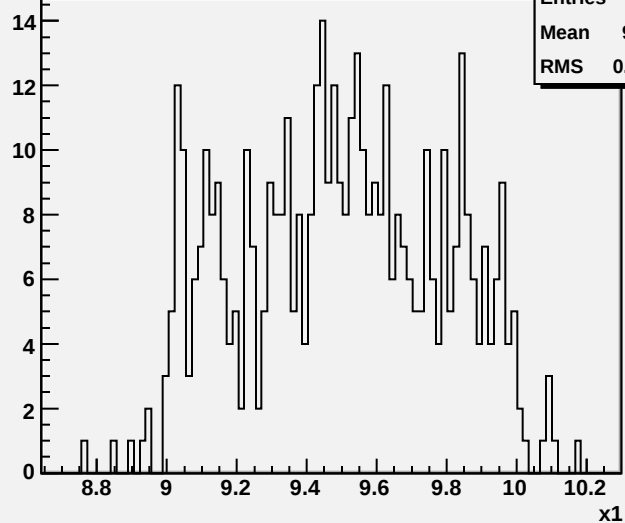
χ^2 / ndf 112.4 / 68
p0 -0.1683 ± 0.004338



x1 {er>20 && mr<.25}

htemp

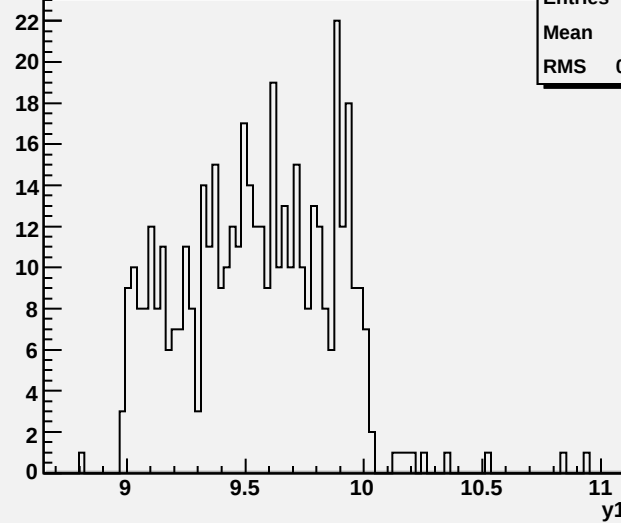
Entries 470
Mean 9.498
RMS 0.2897

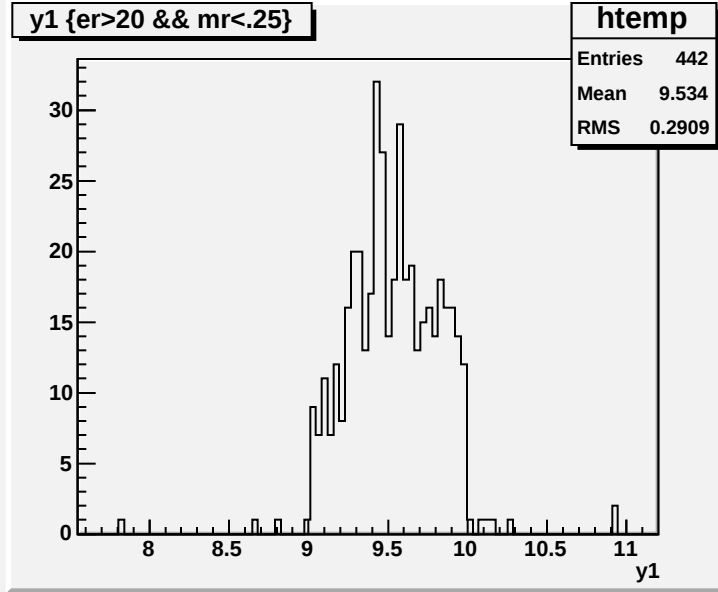
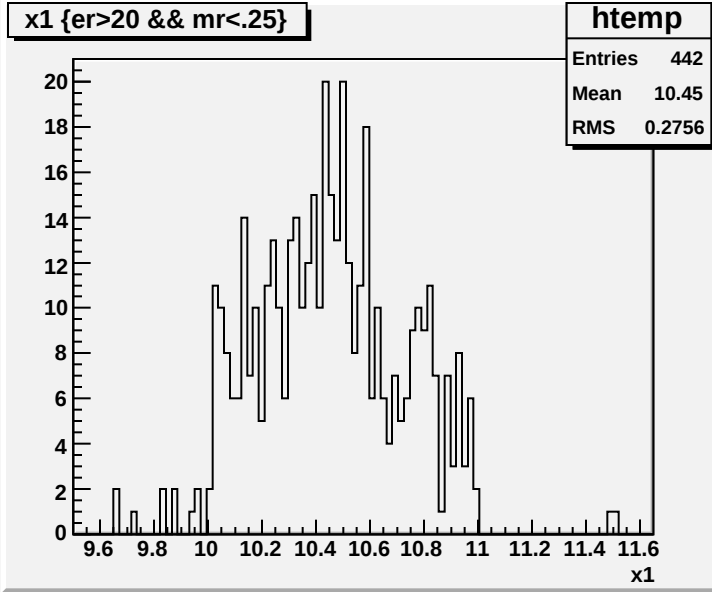
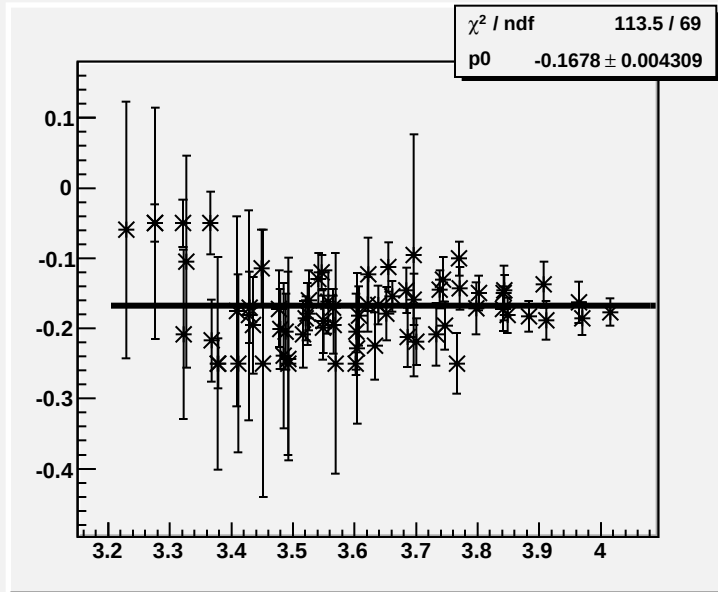
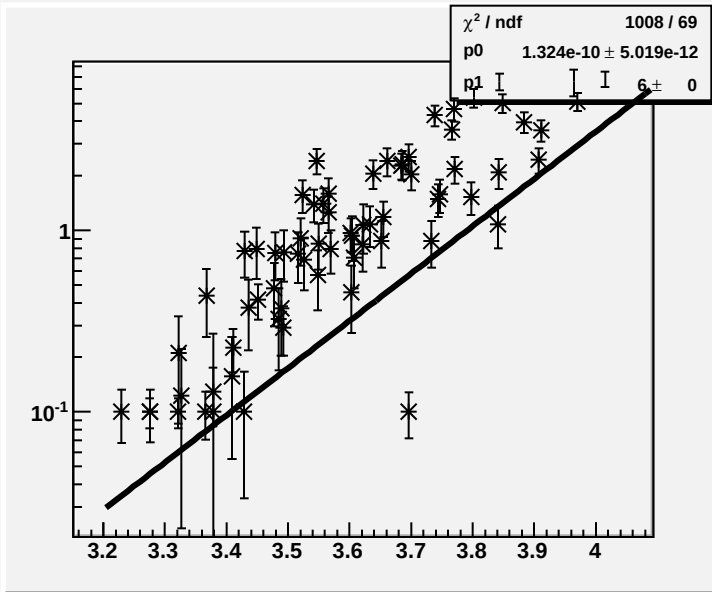
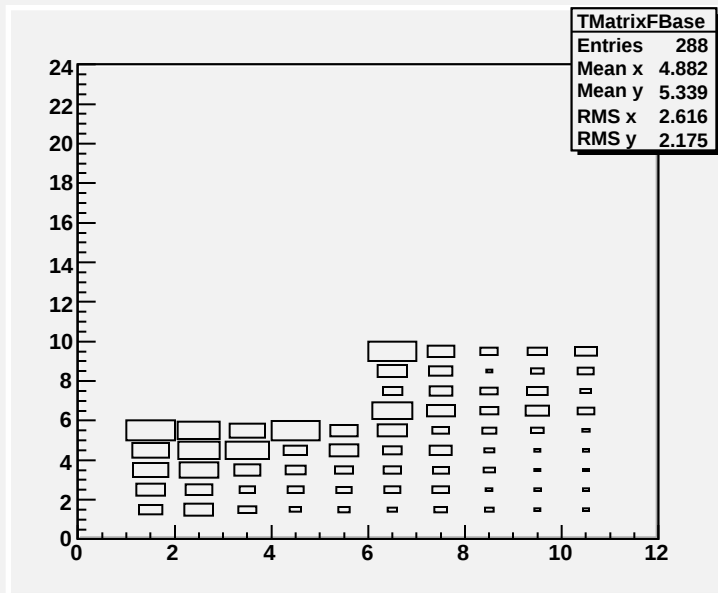
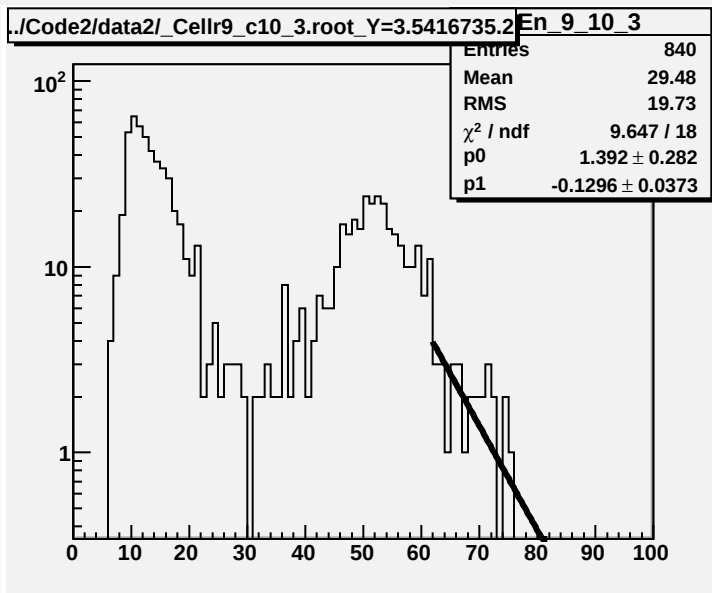


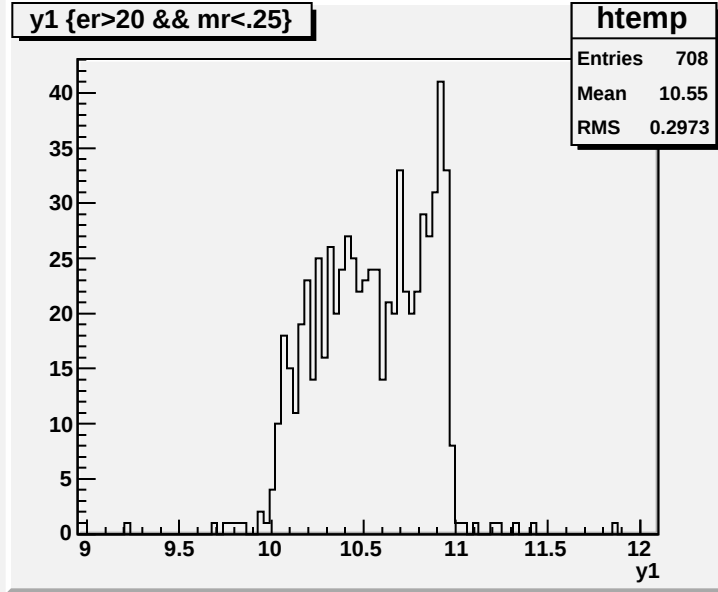
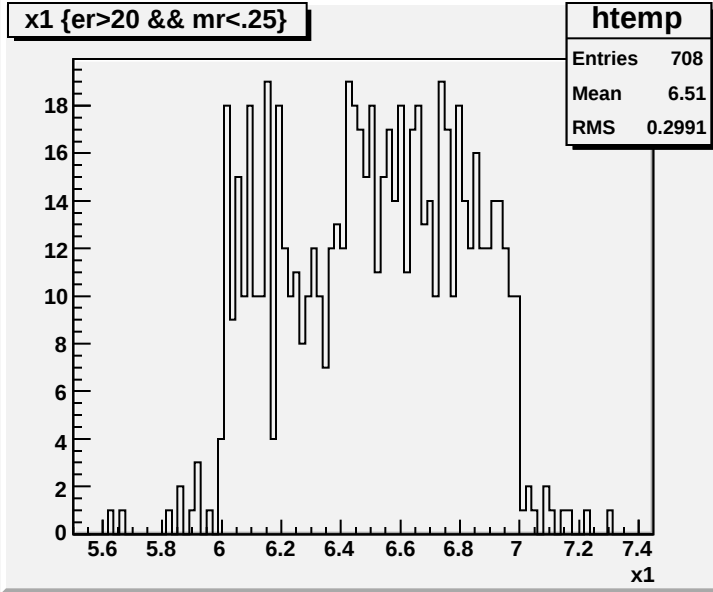
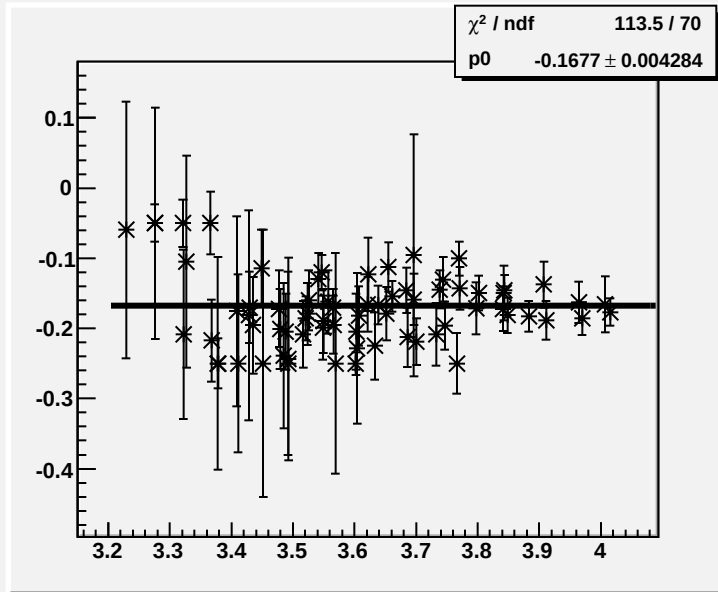
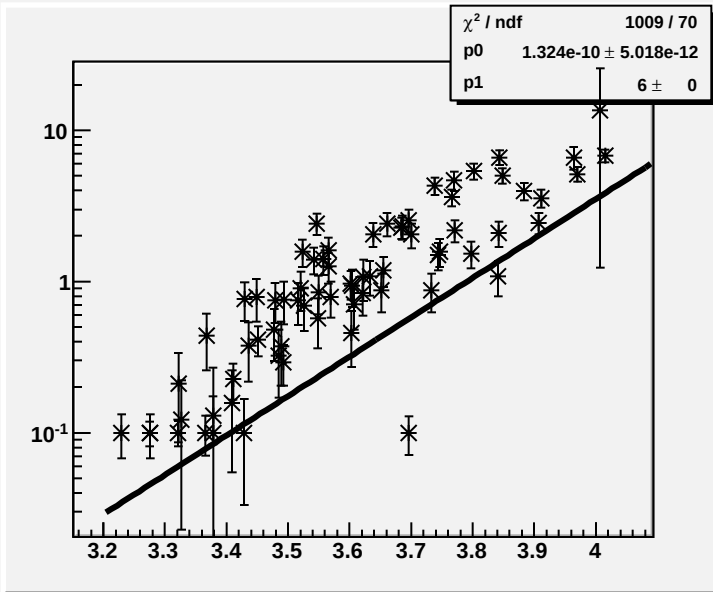
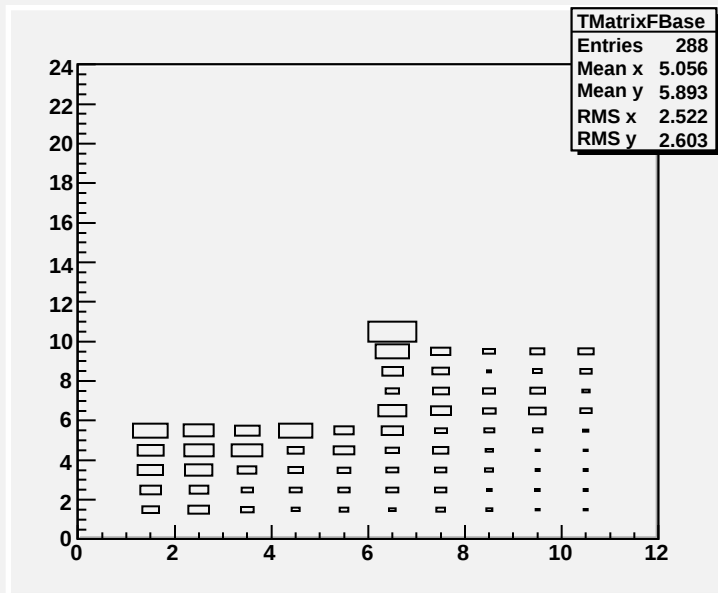
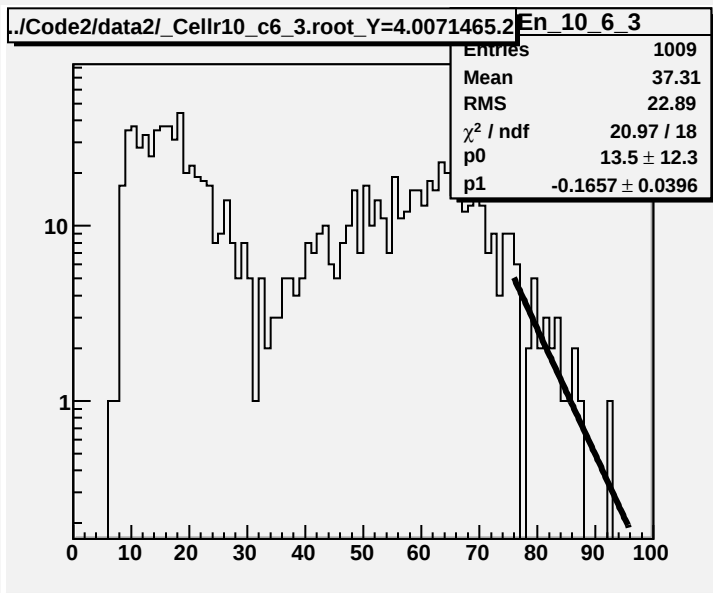
y1 {er>20 && mr<.25}

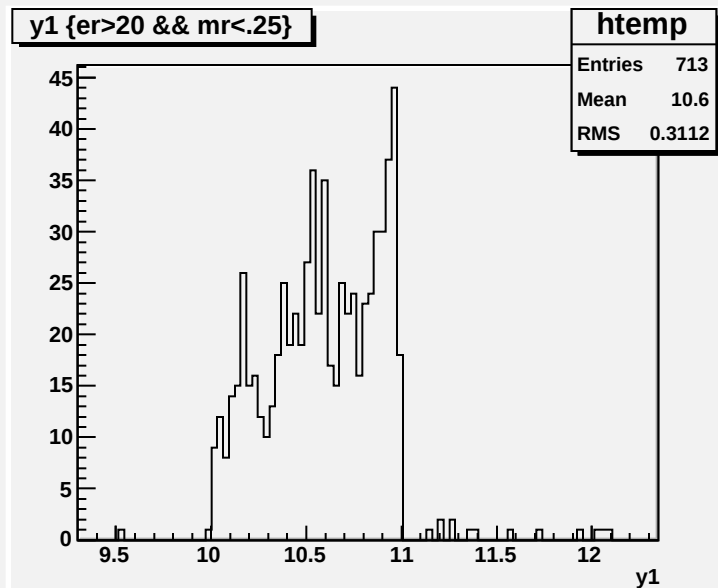
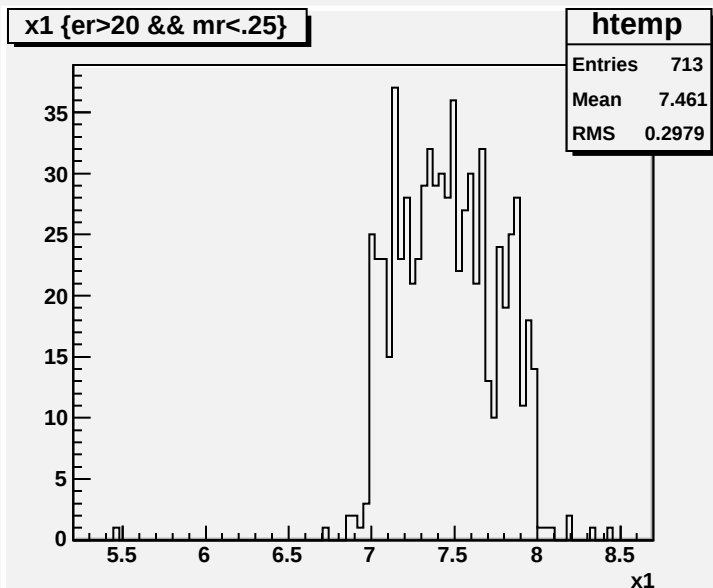
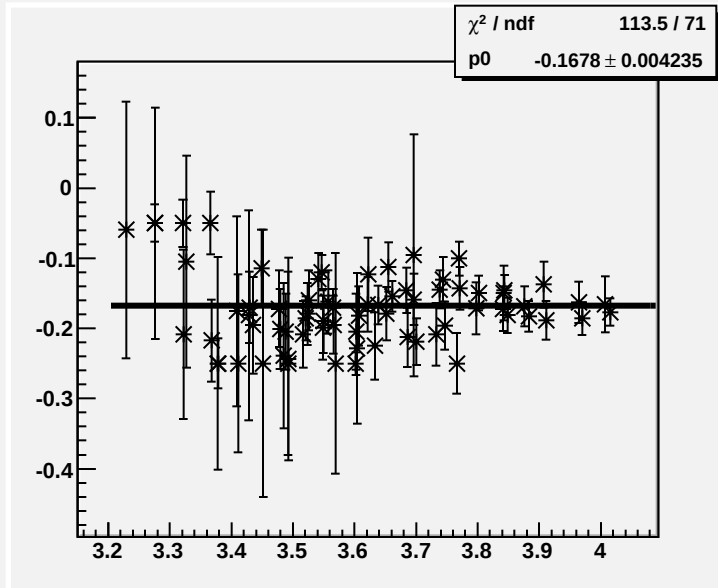
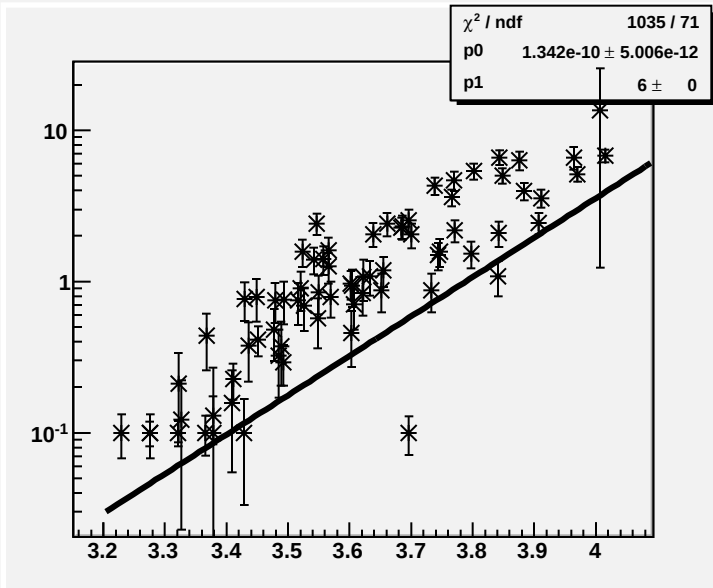
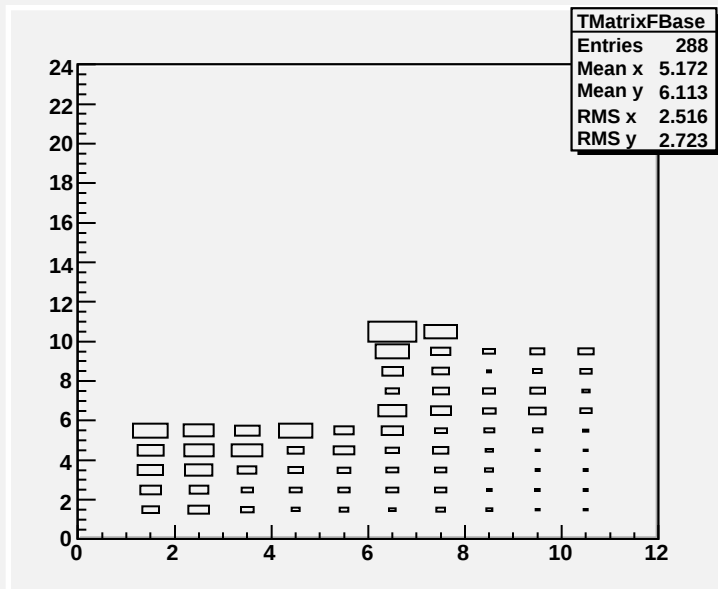
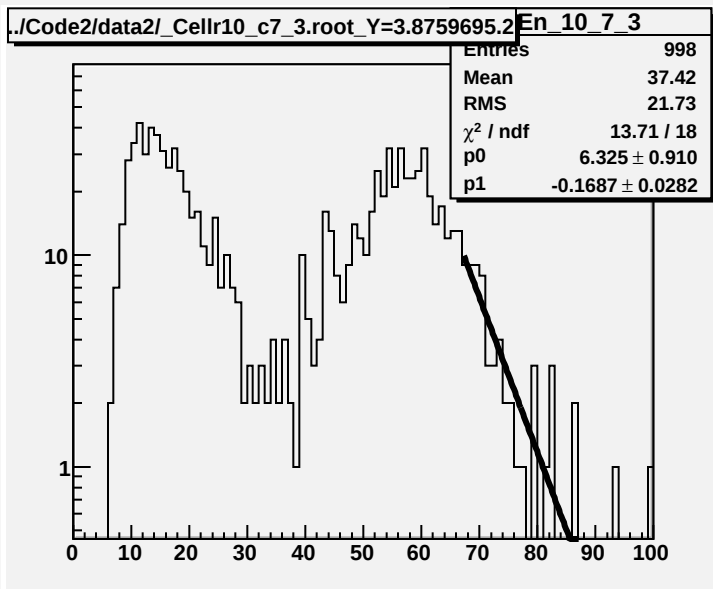
htemp

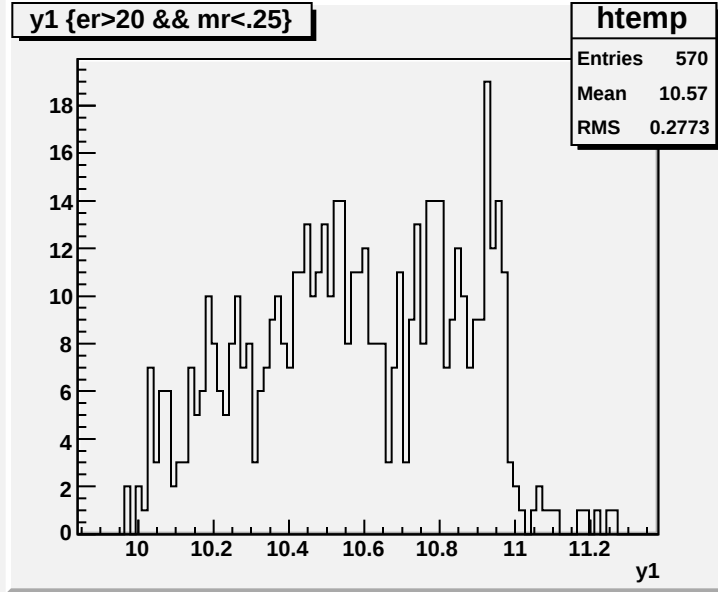
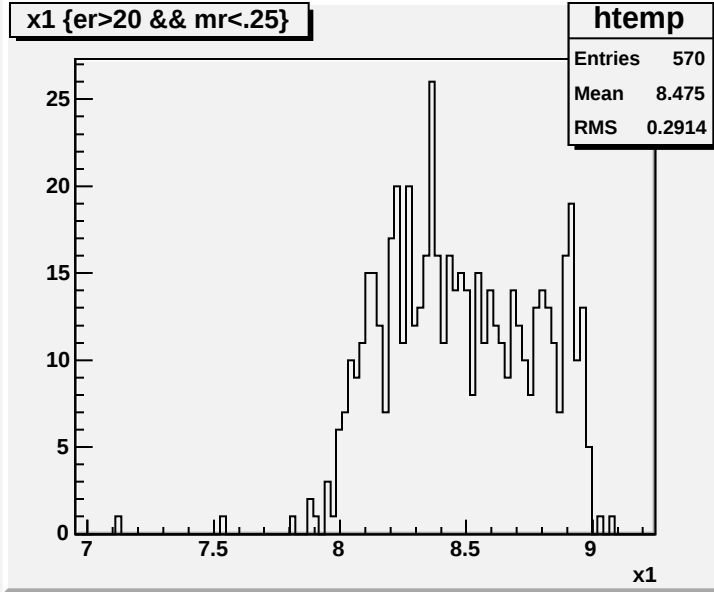
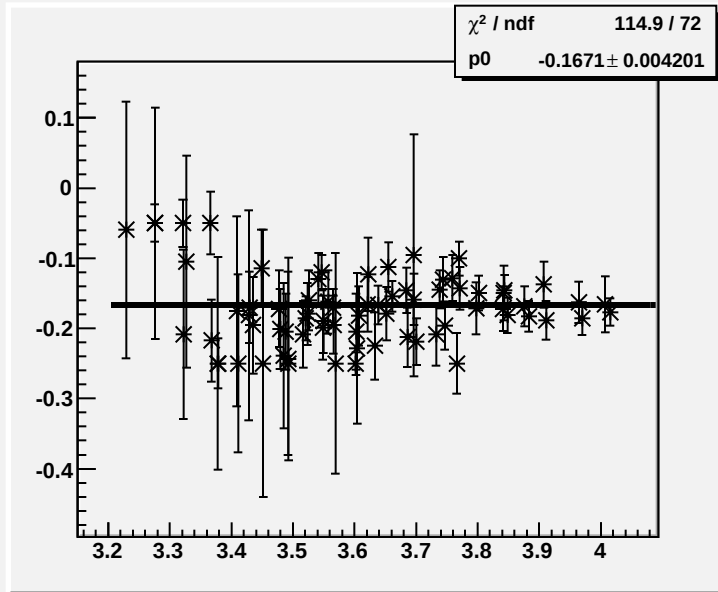
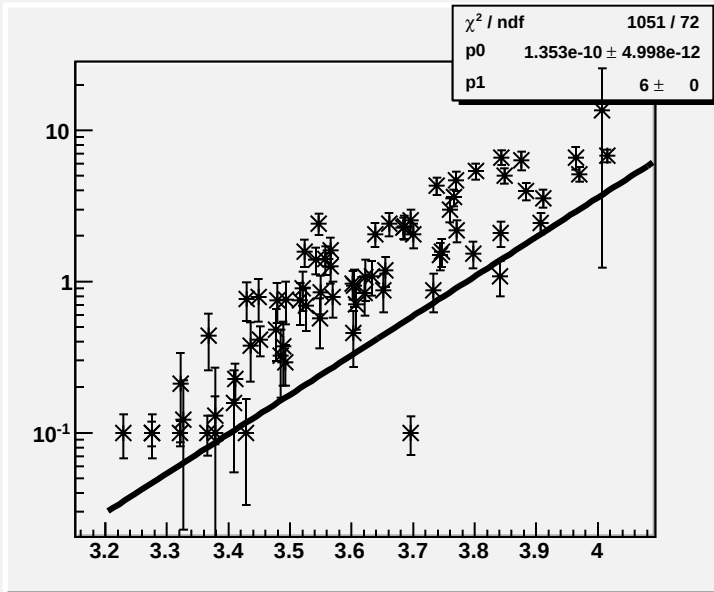
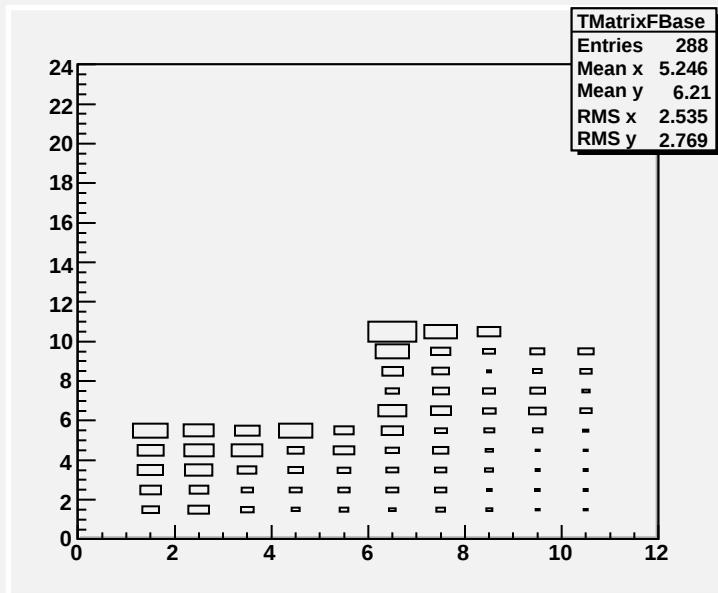
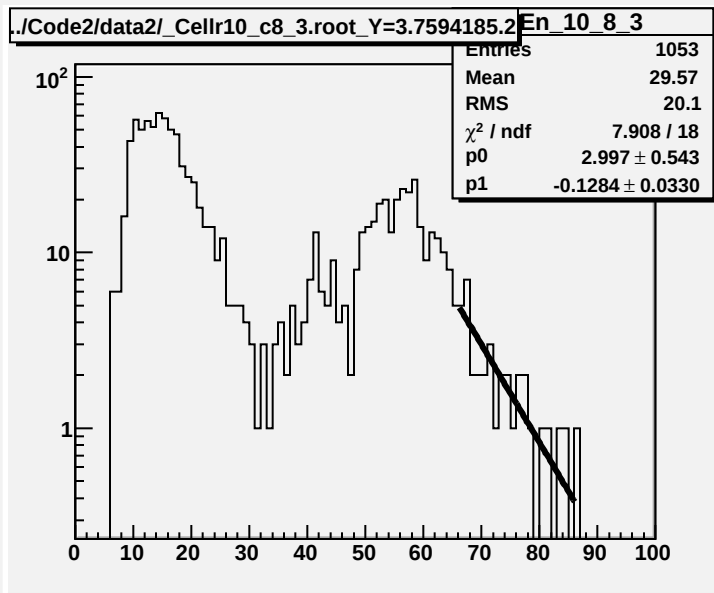
Entries 470
Mean 9.549
RMS 0.3143

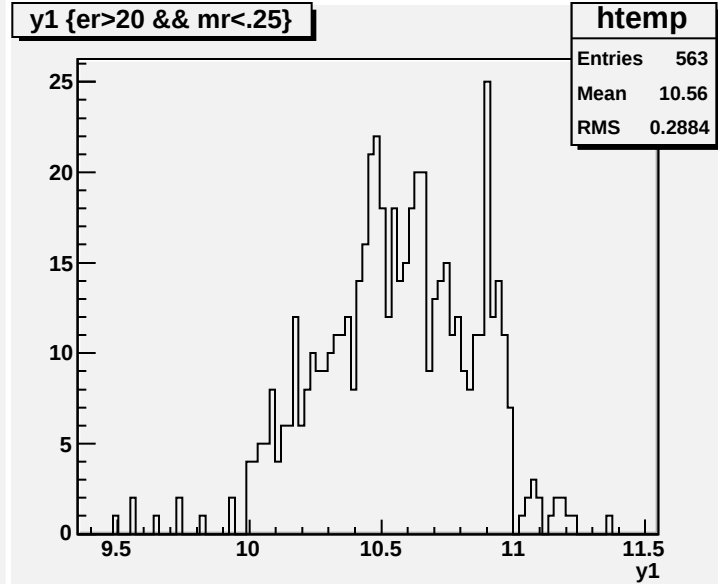
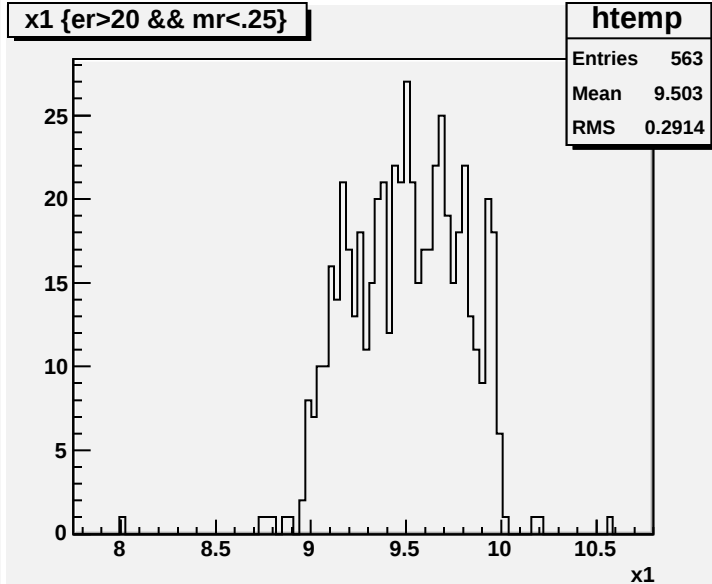
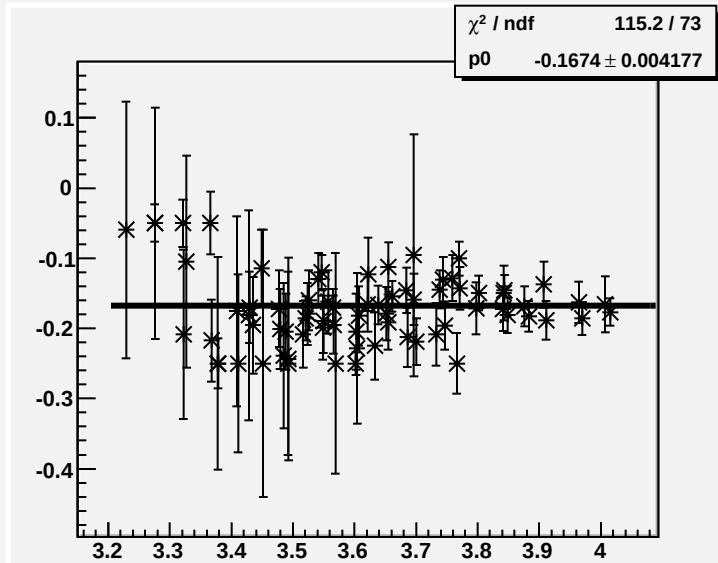
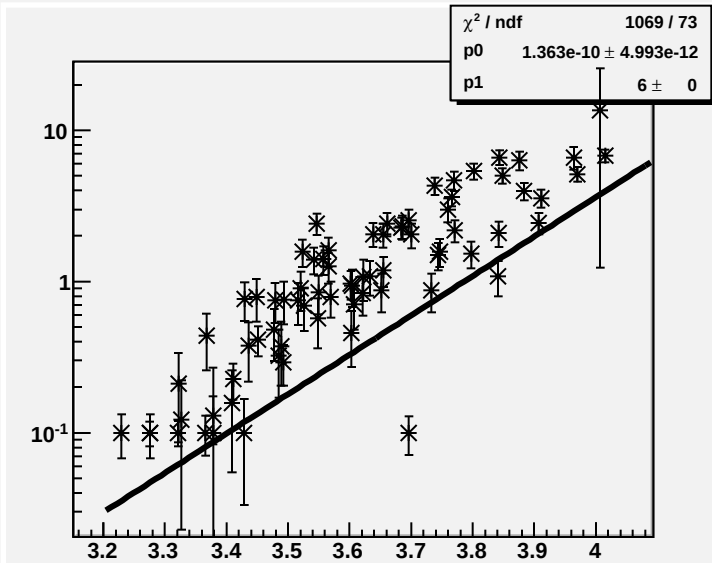
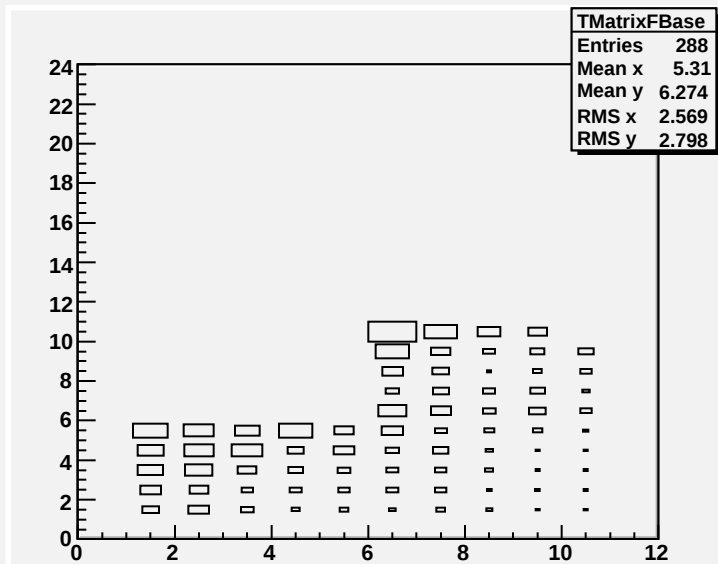
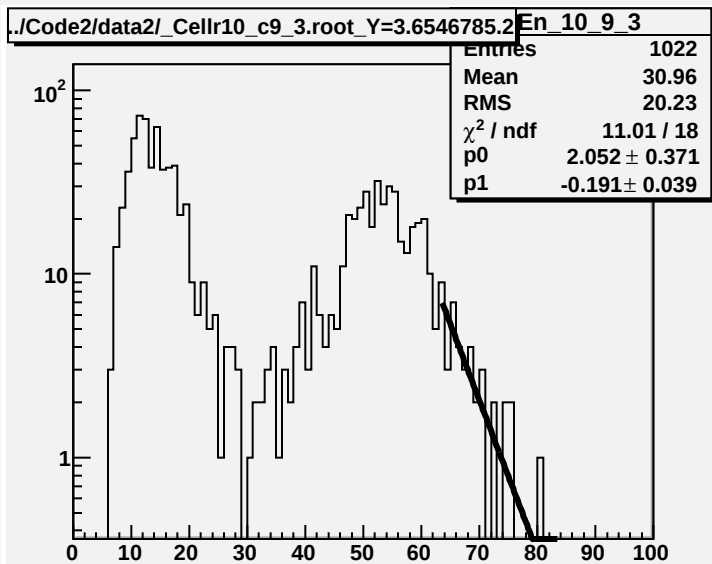


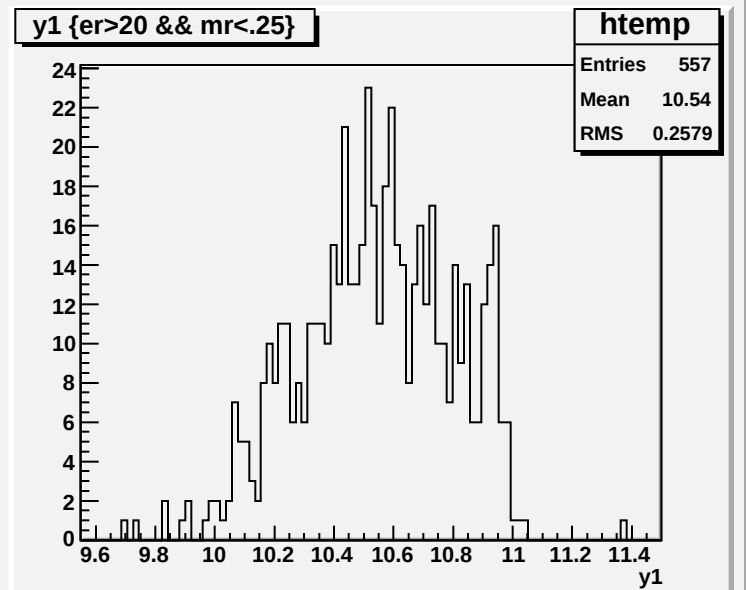
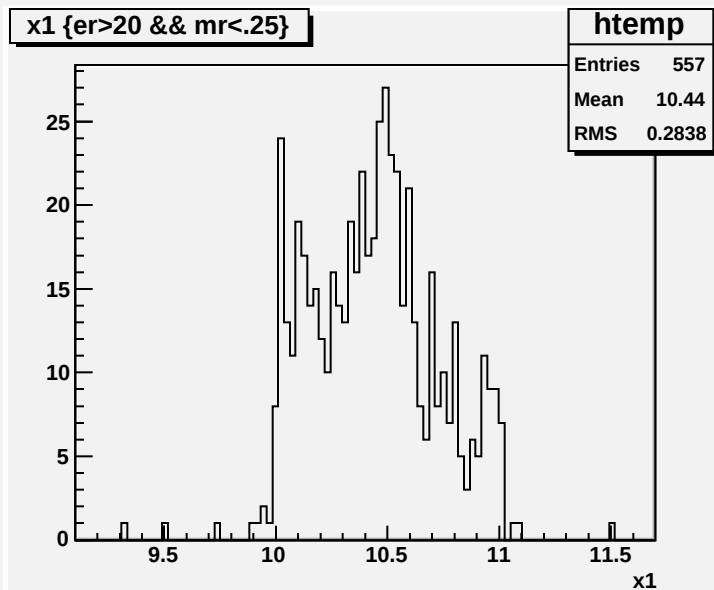
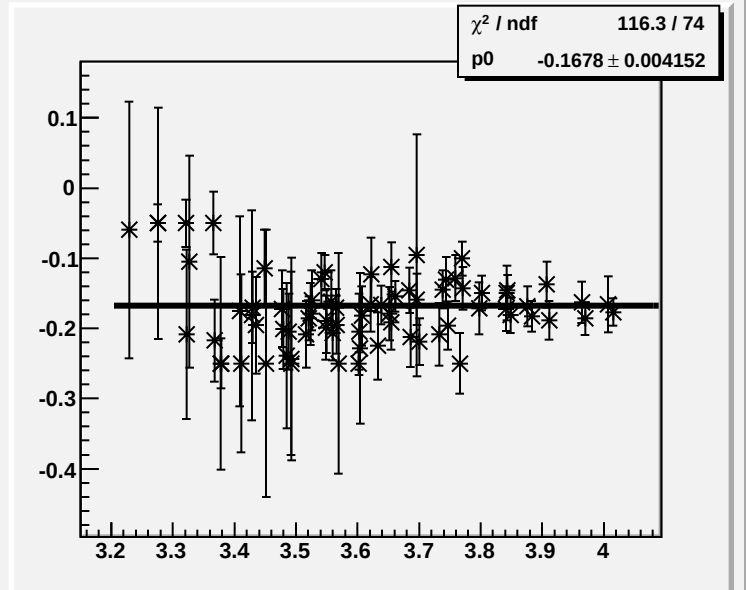
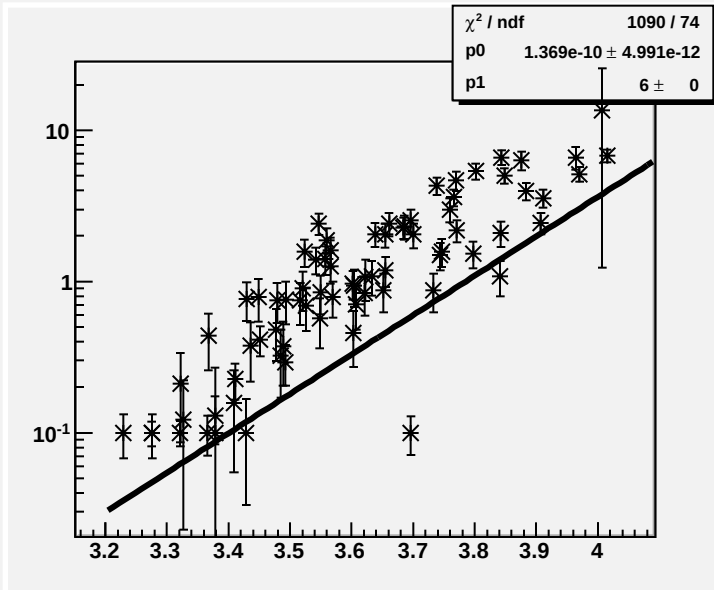
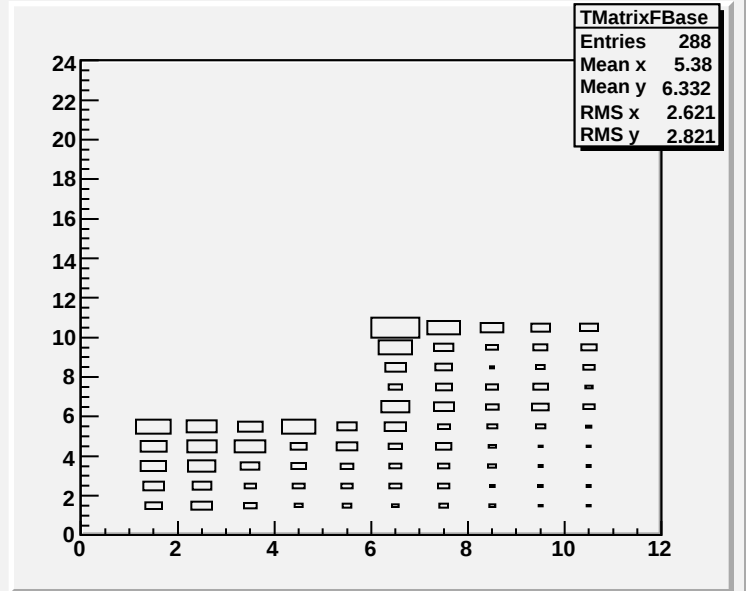
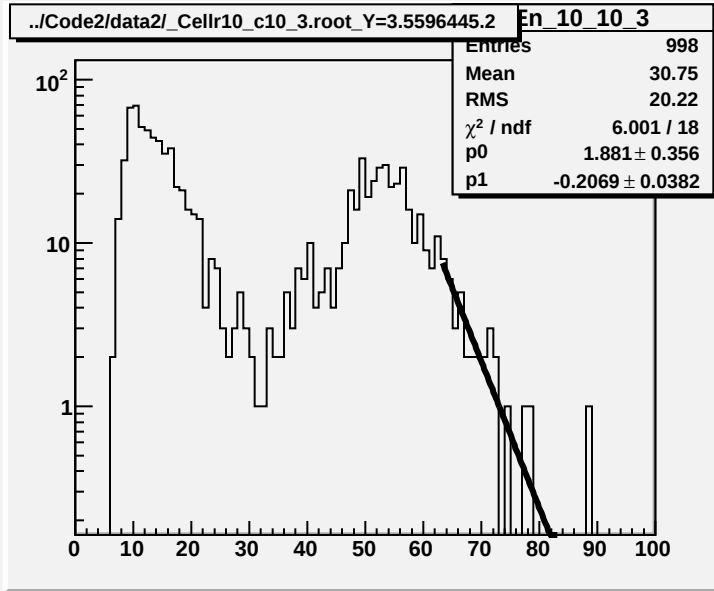


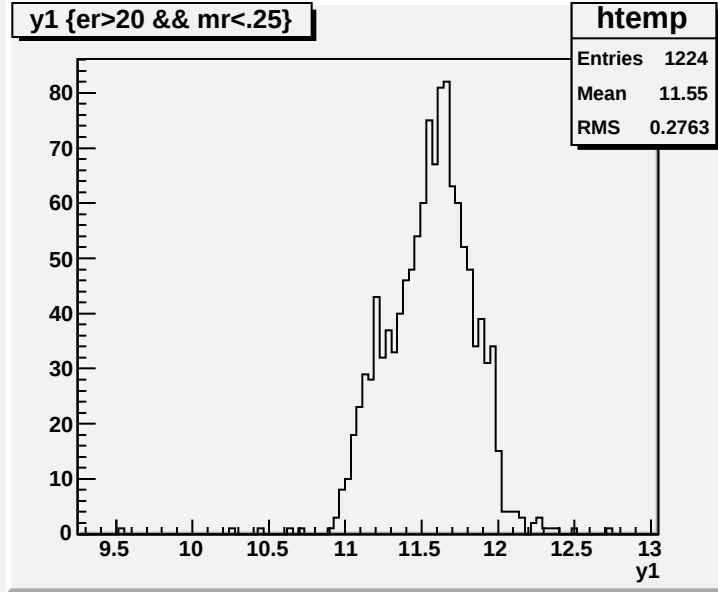
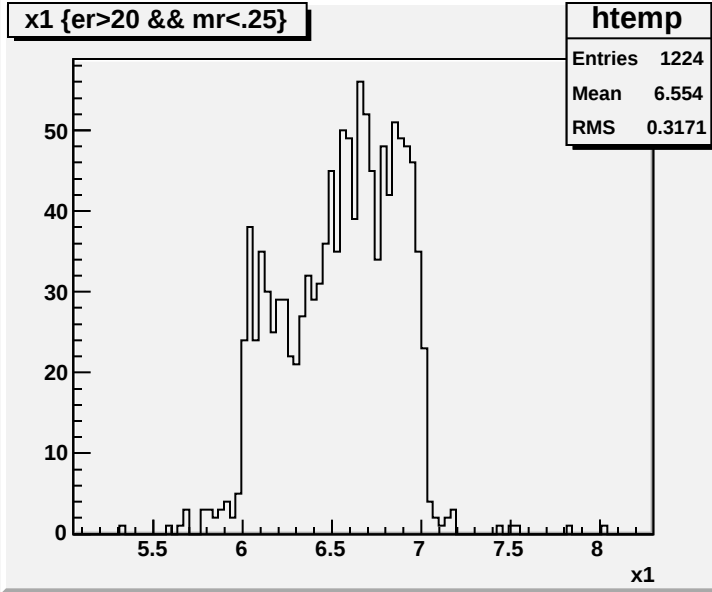
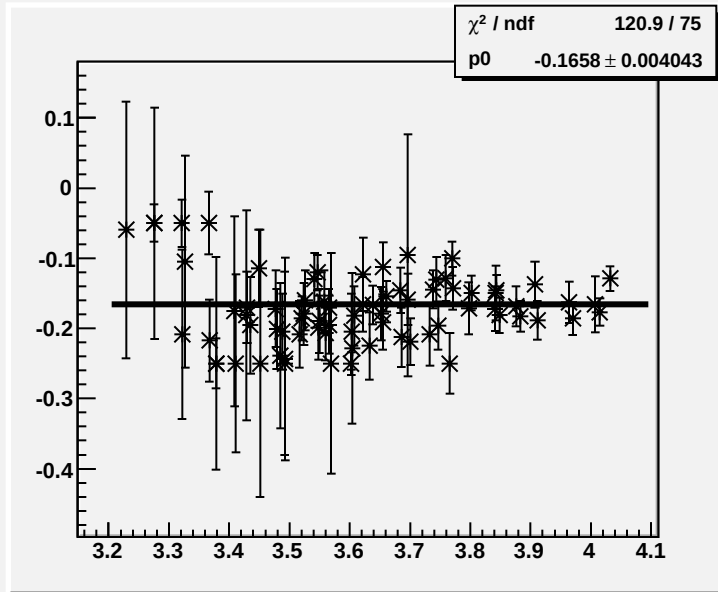
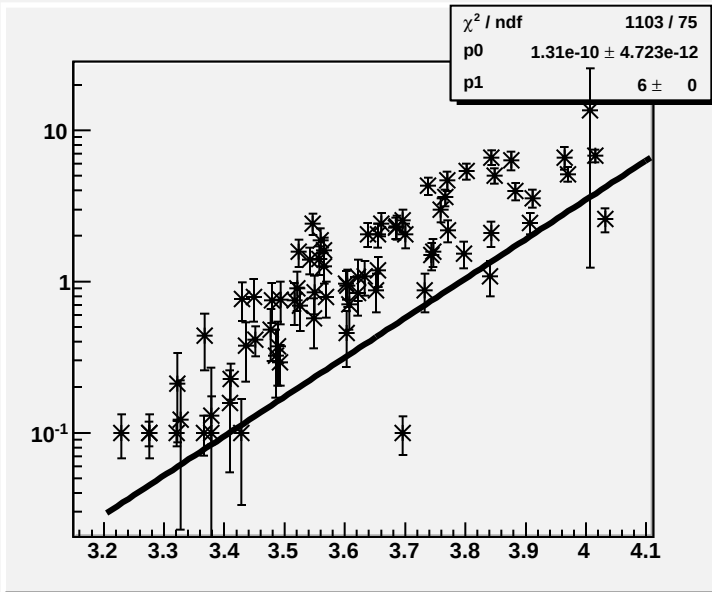
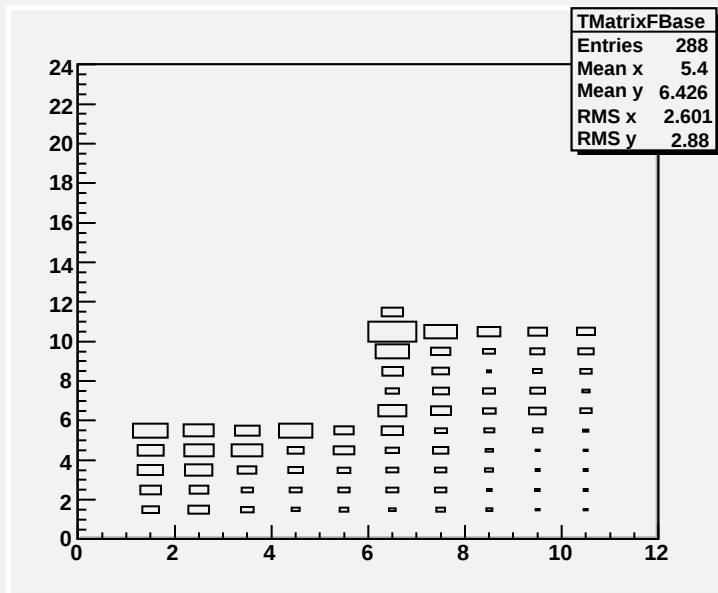
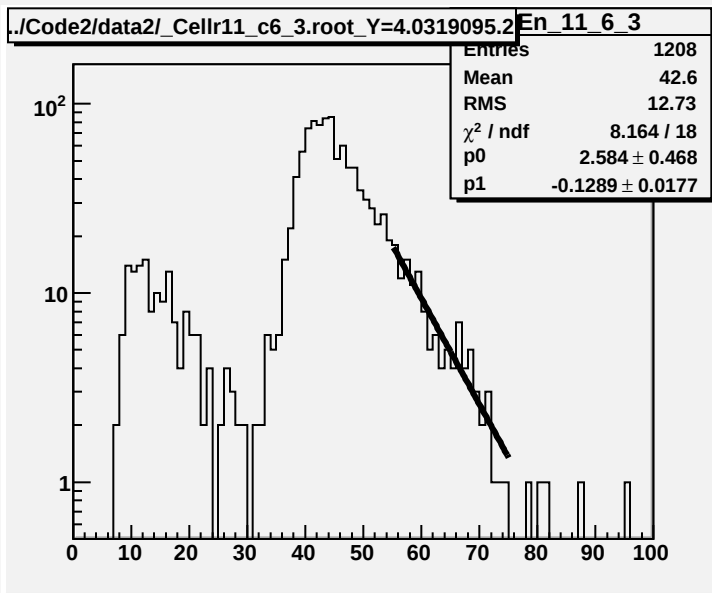


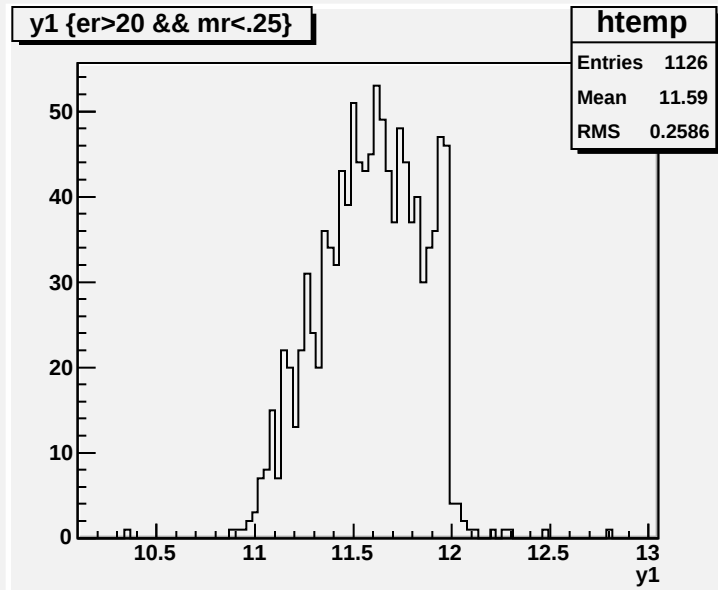
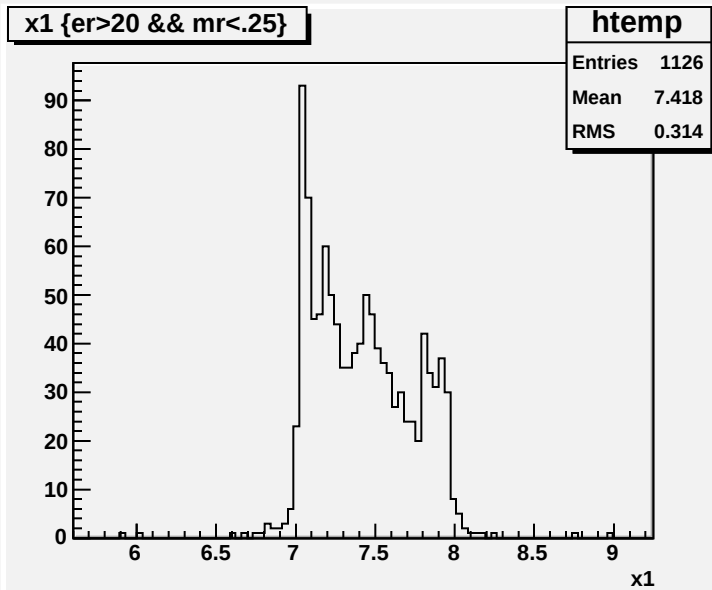
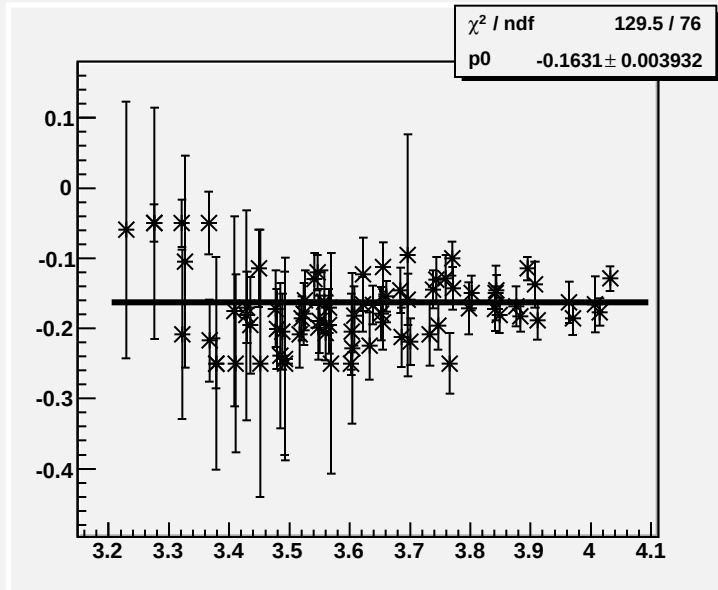
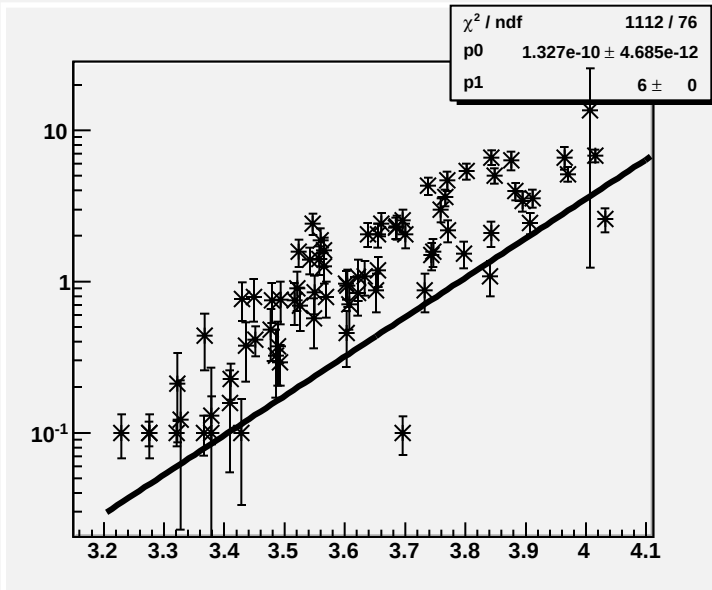
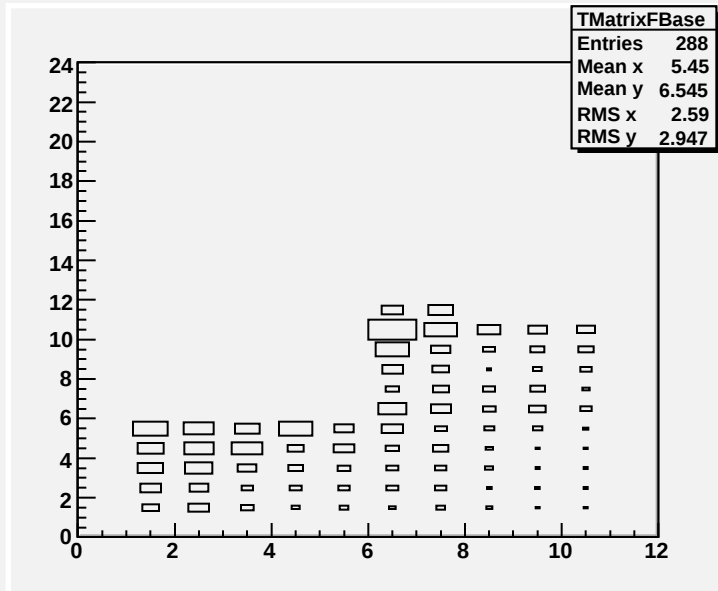
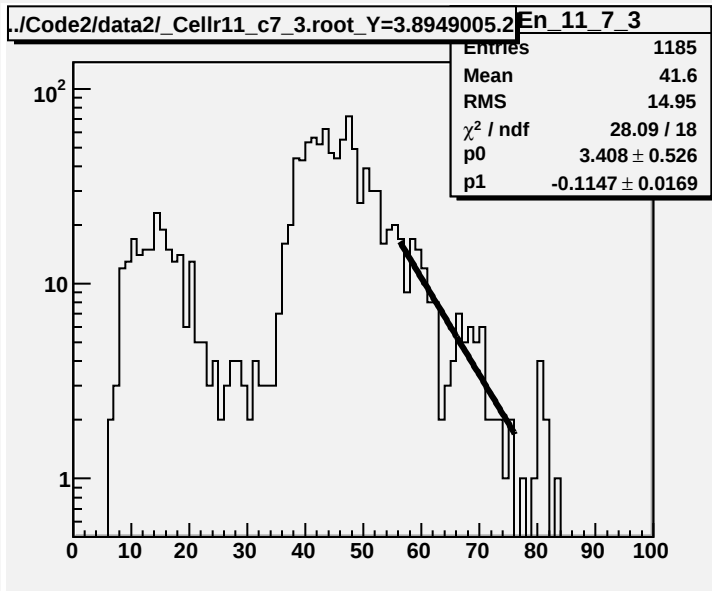


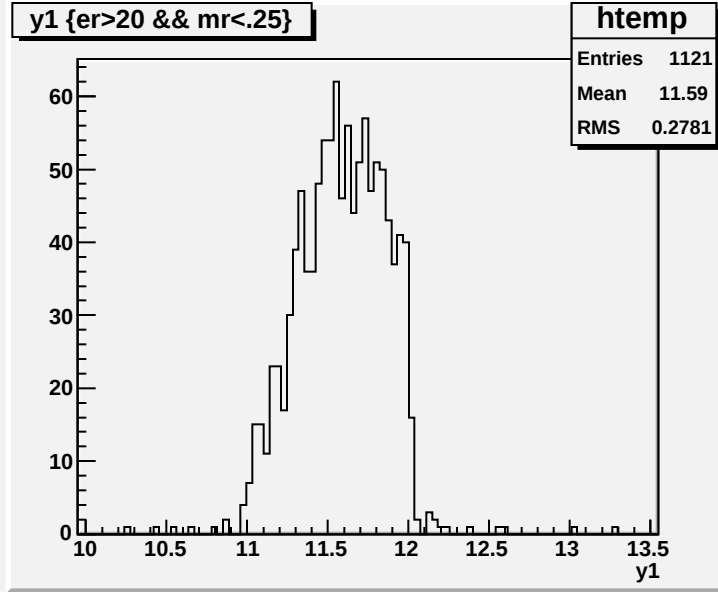
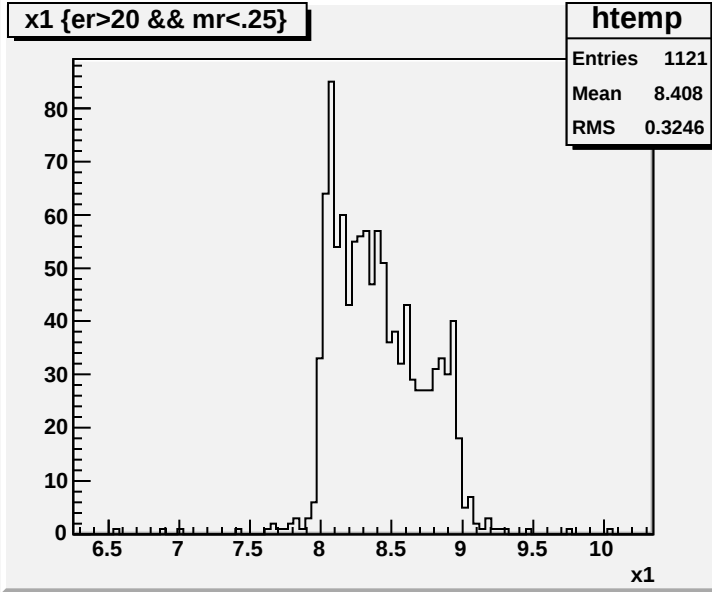
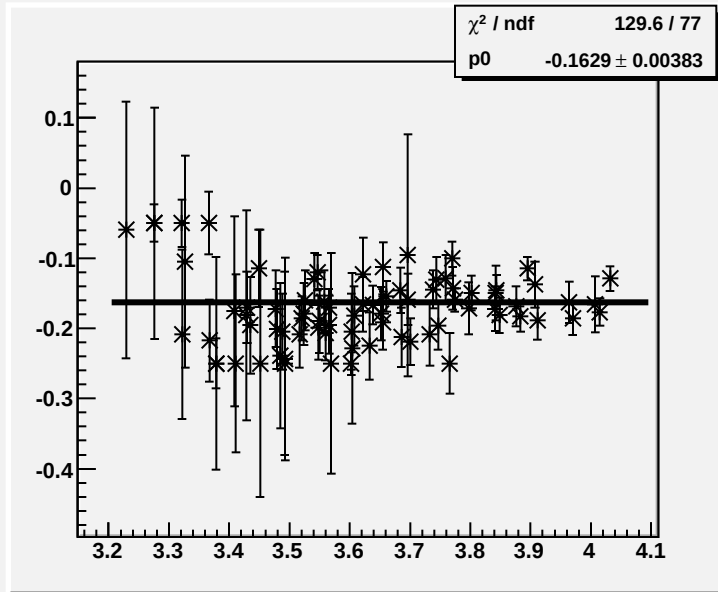
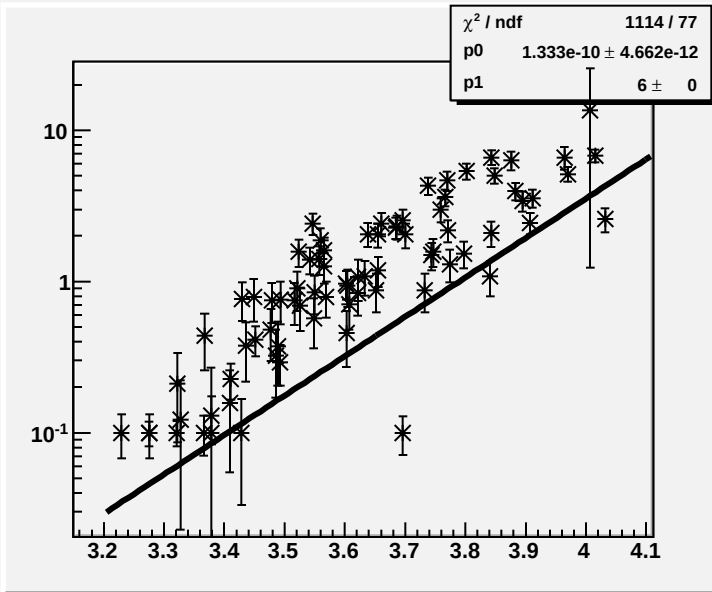
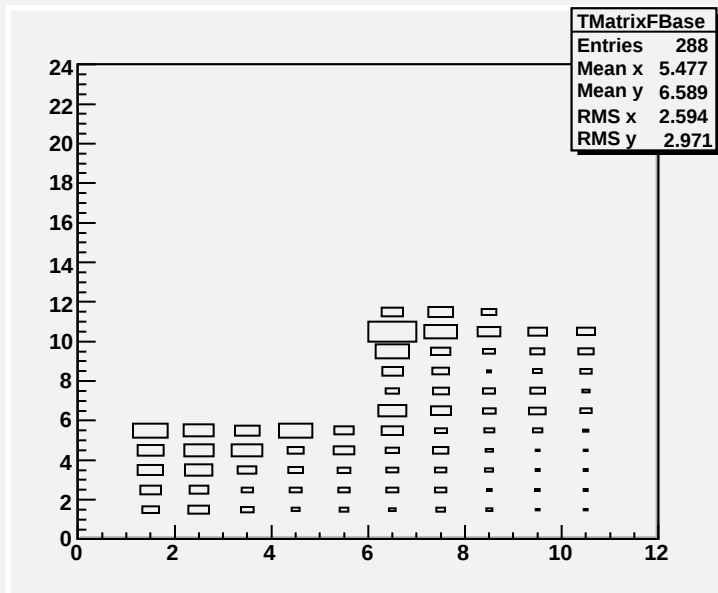
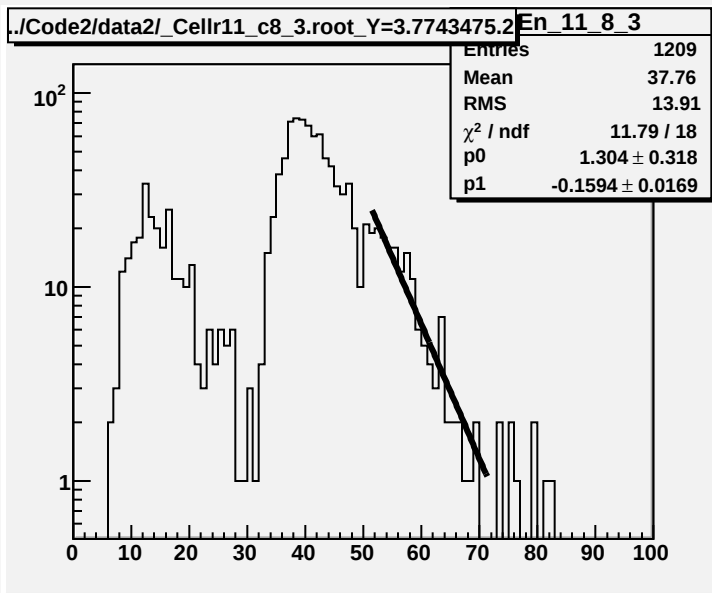


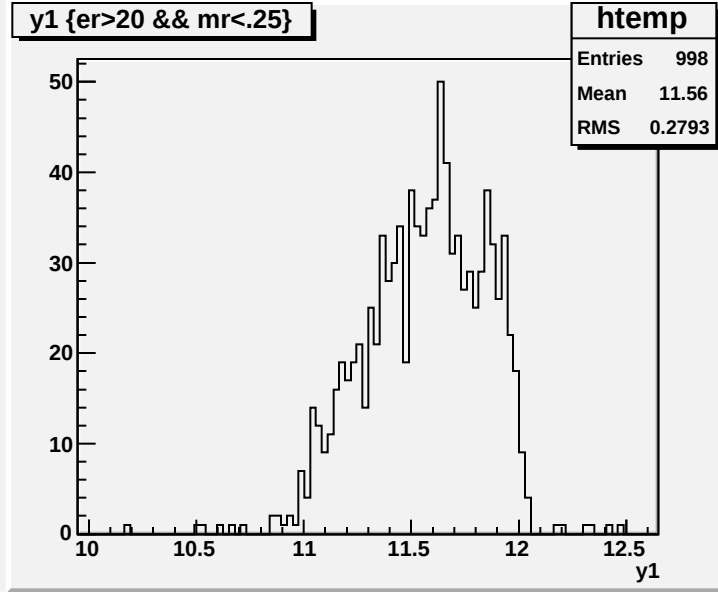
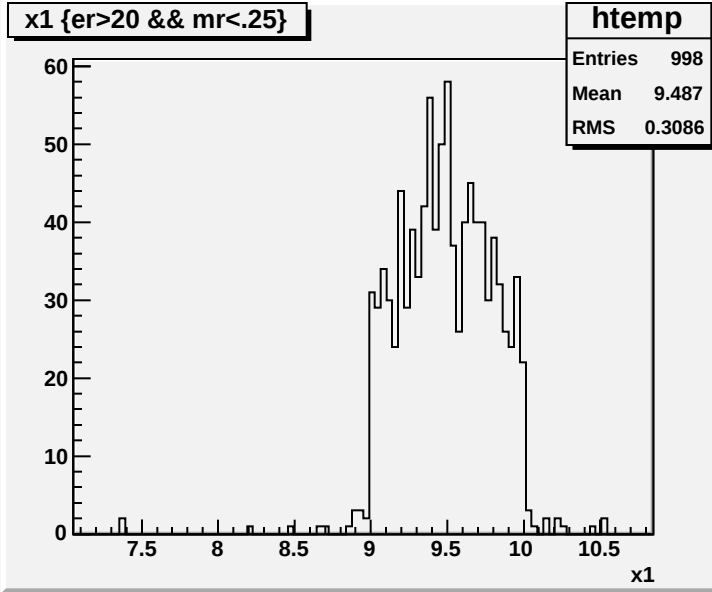
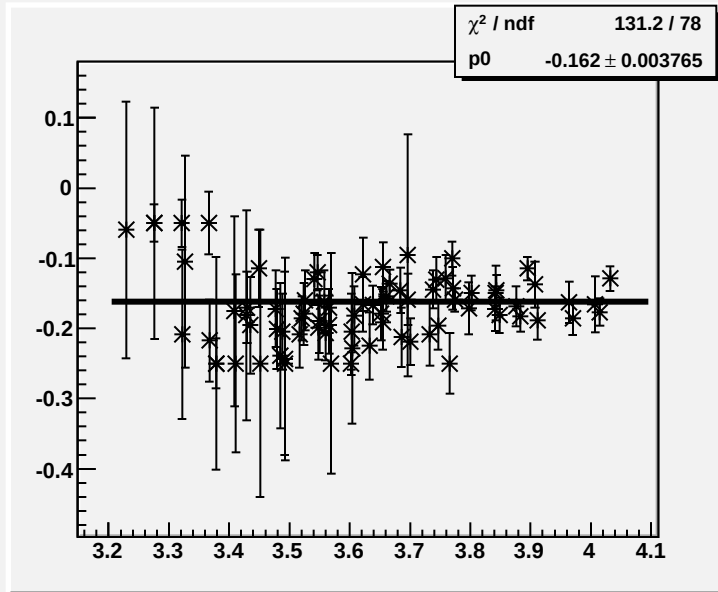
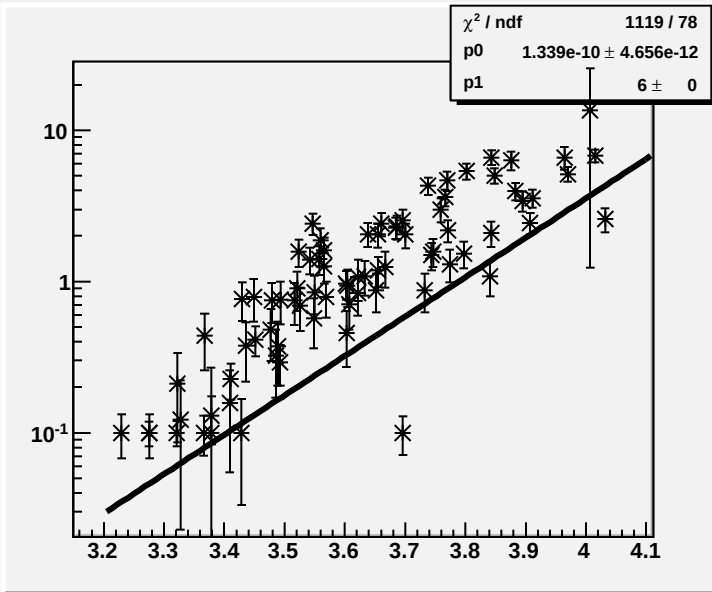
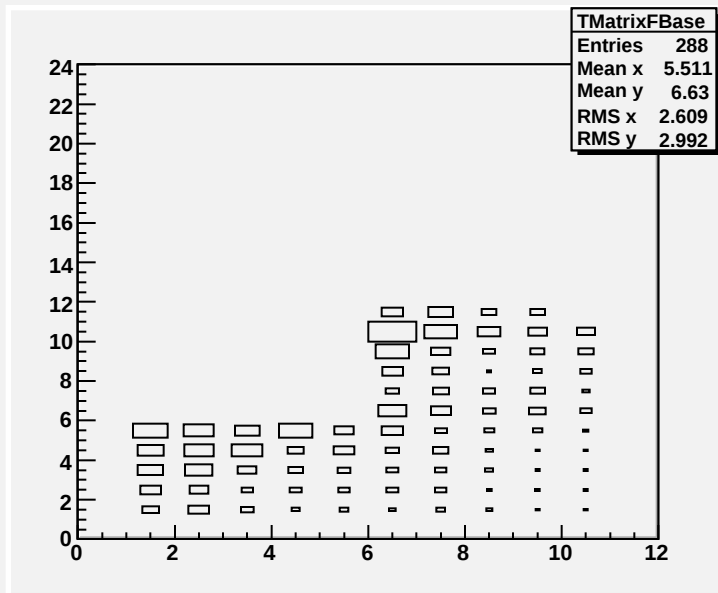
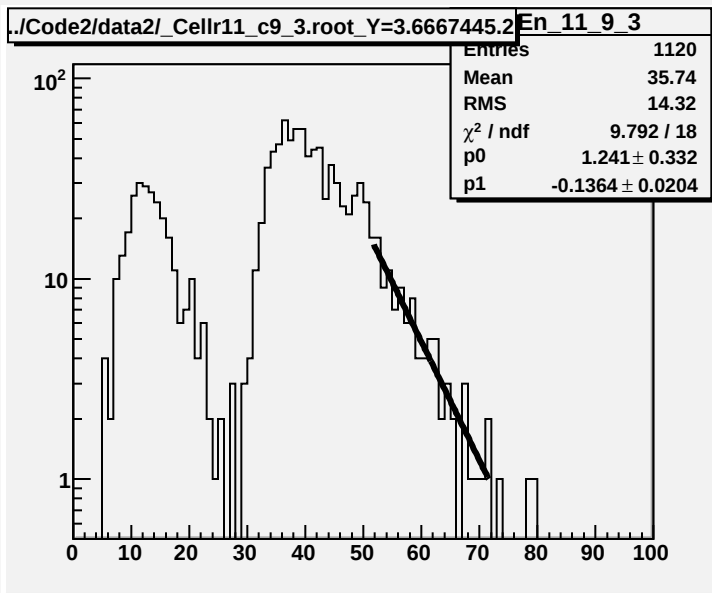






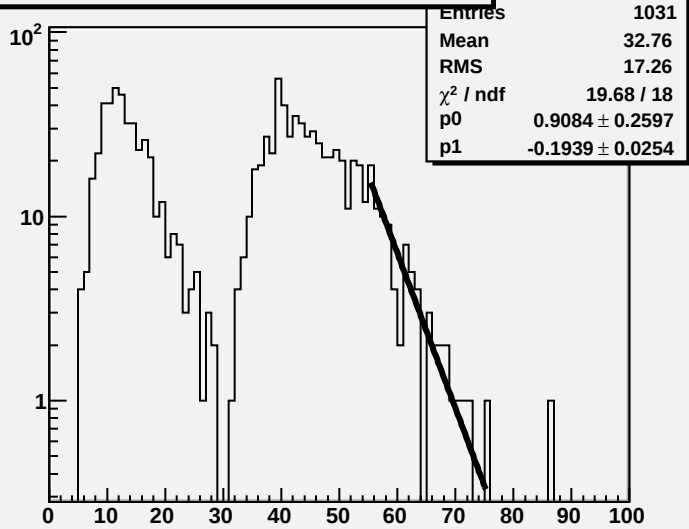




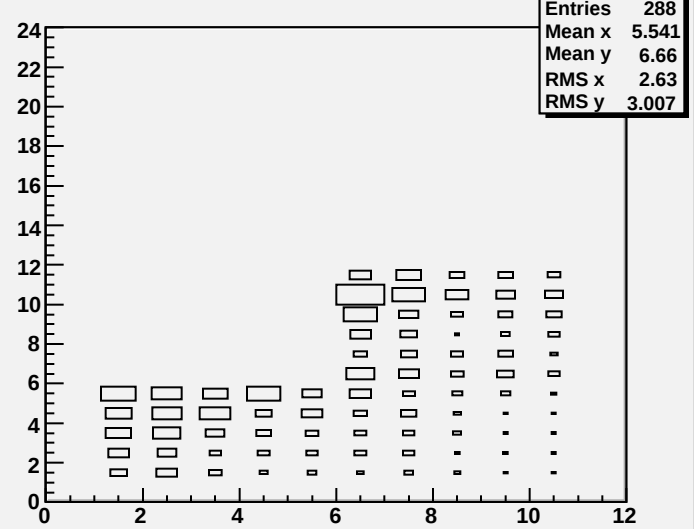


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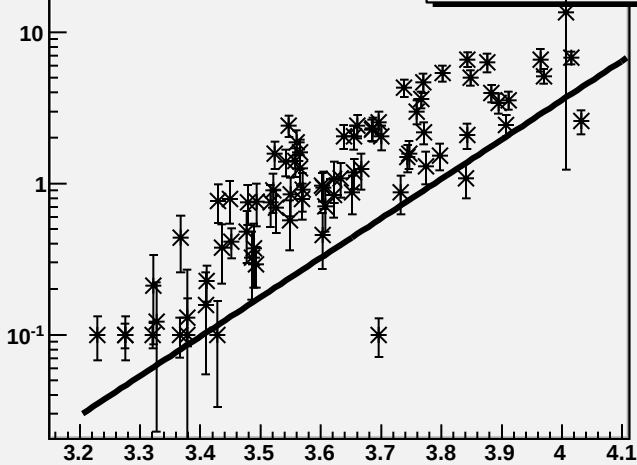
En 11 10 3



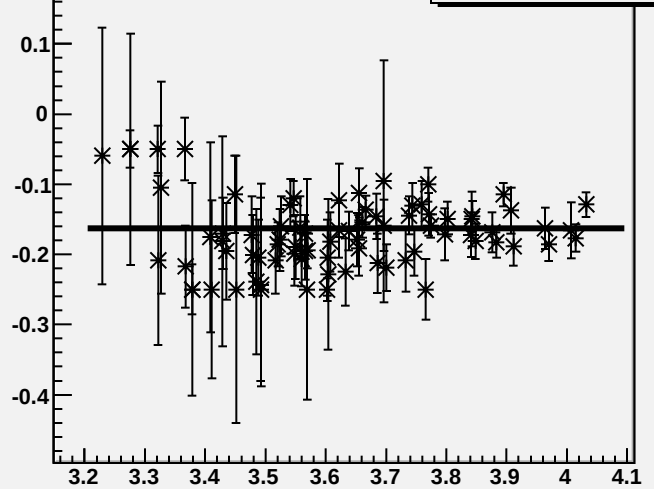
TMatrixFBase



χ^2 / ndf 1125 / 79
p0 $1.343\text{e-}10 \pm 4.653\text{e-}12$
p1 6 ± 0

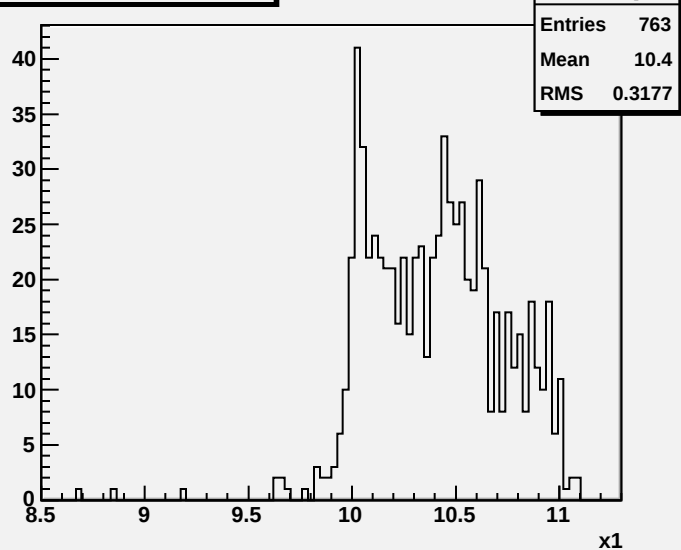


χ^2 / ndf 132.8 / 79
p0 -0.1627 ± 0.003724



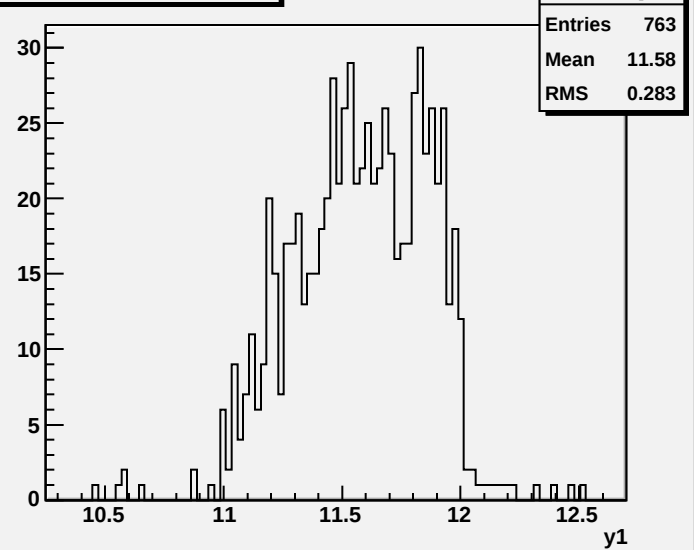
x1 {er>20 && mr<.25}

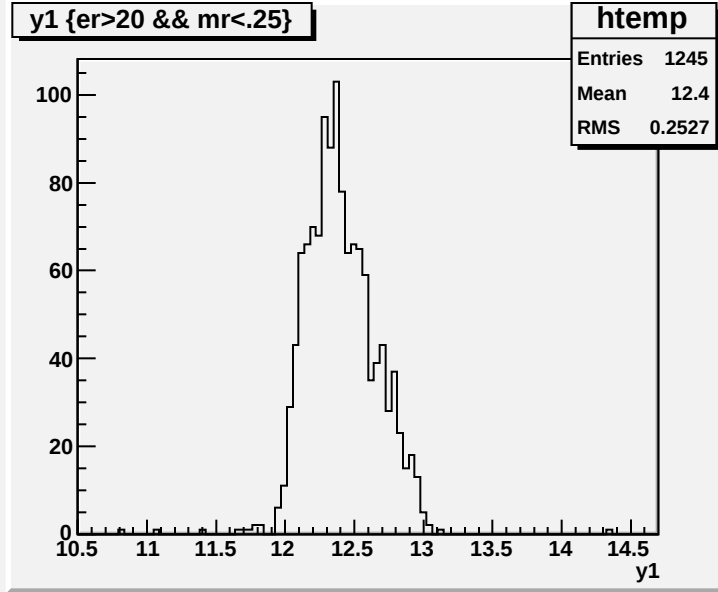
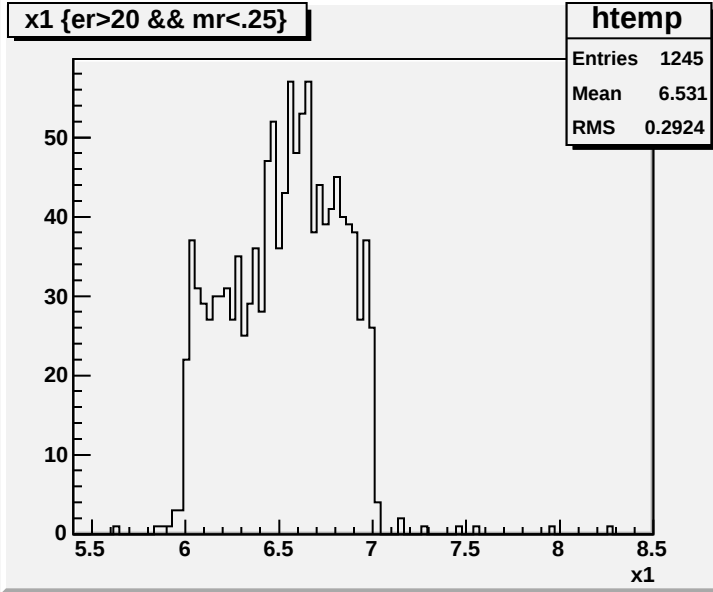
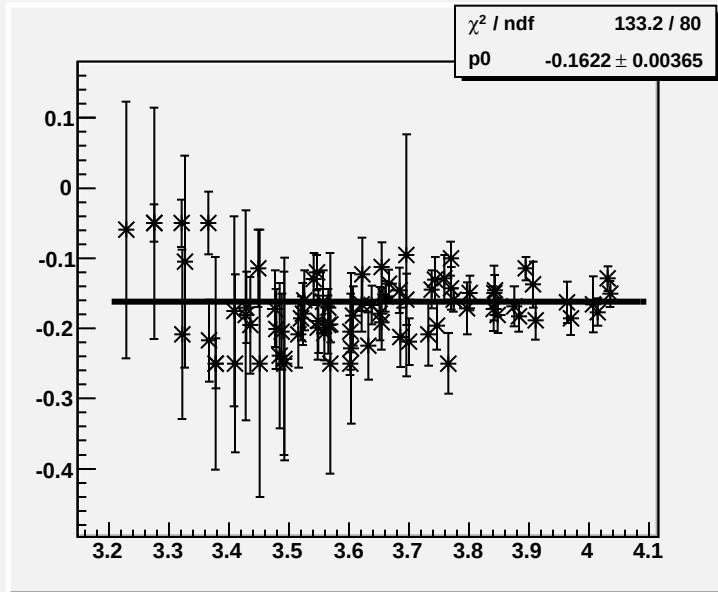
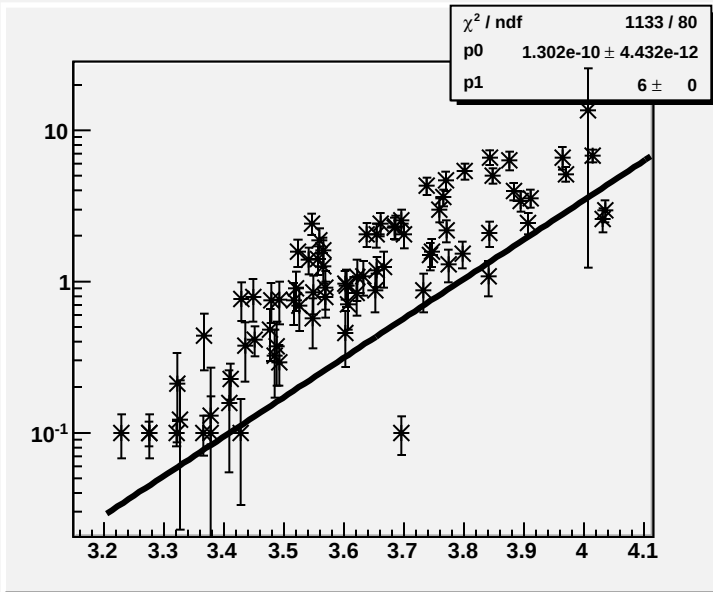
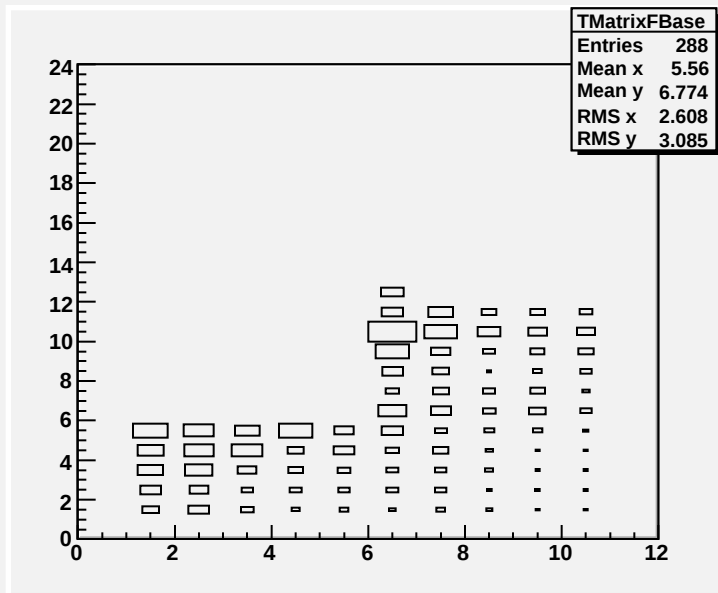
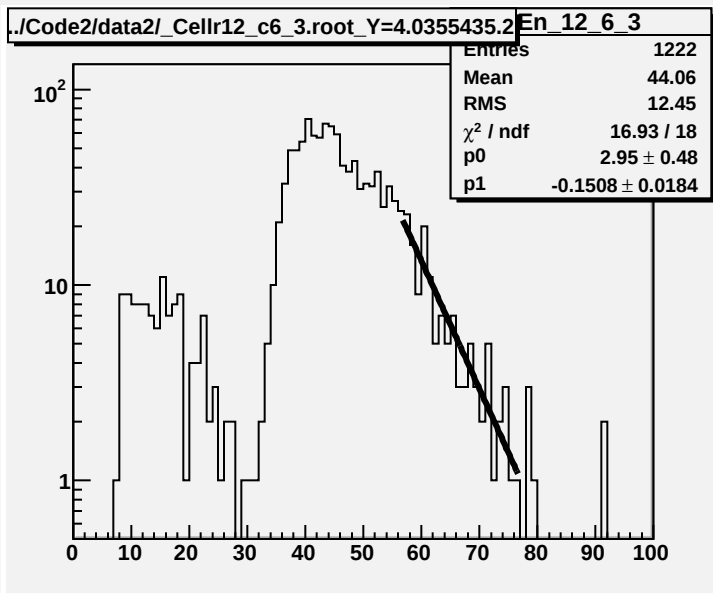
htemp

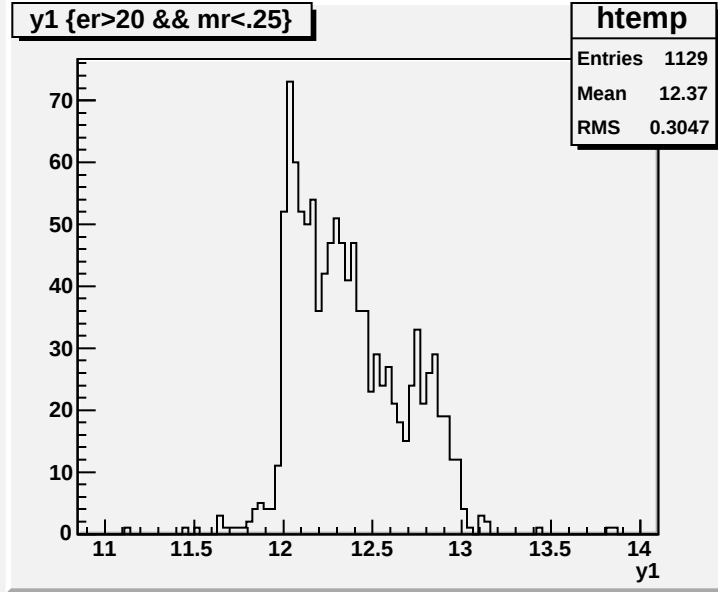
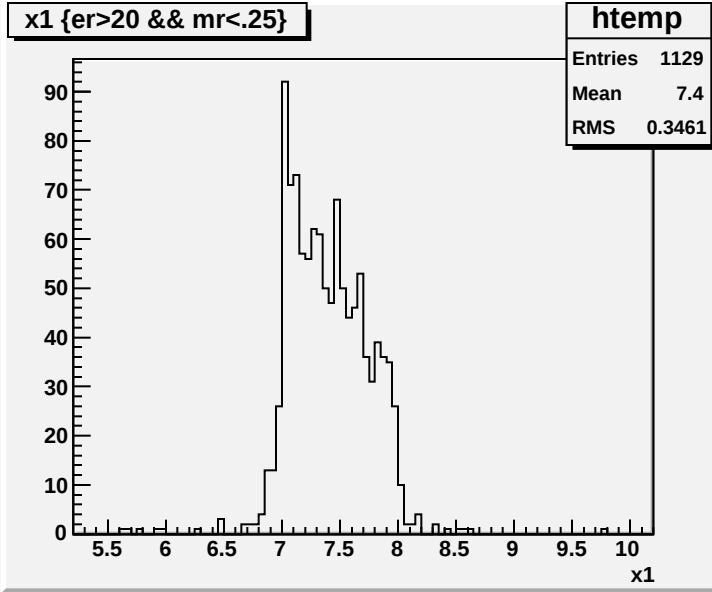
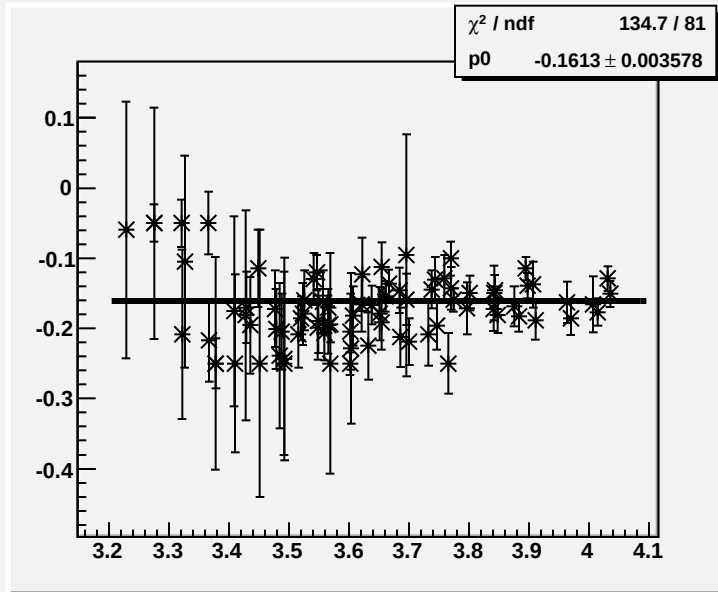
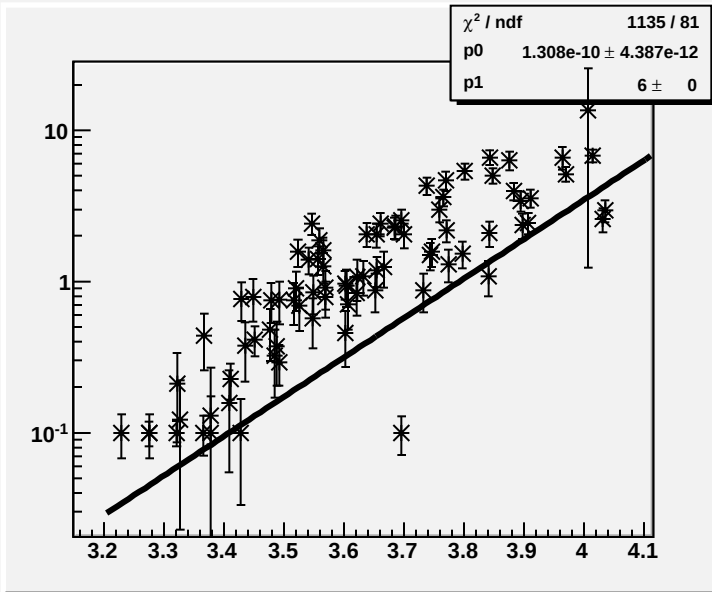
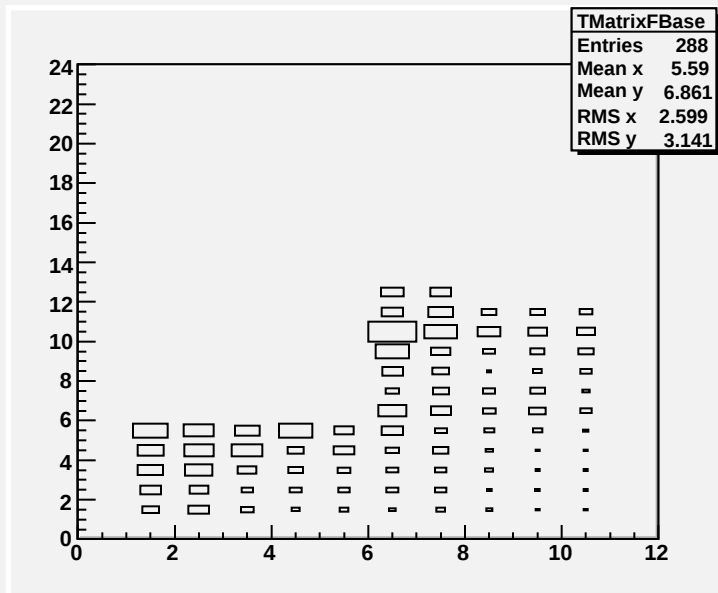
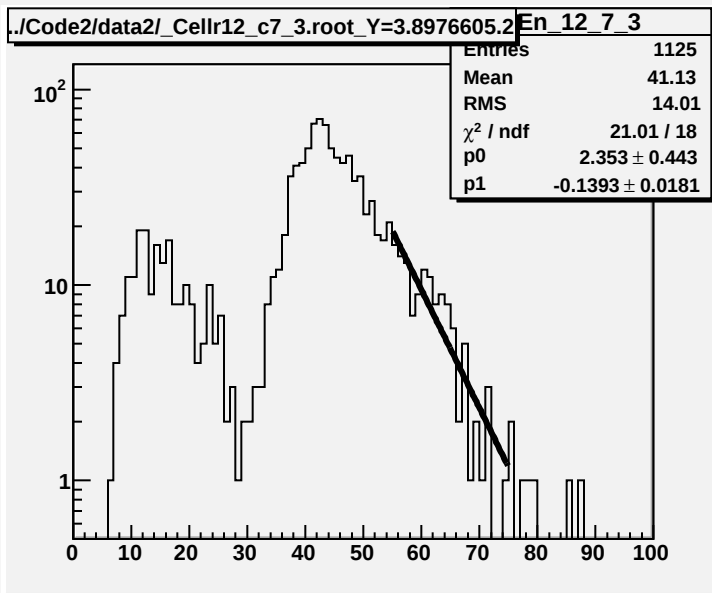


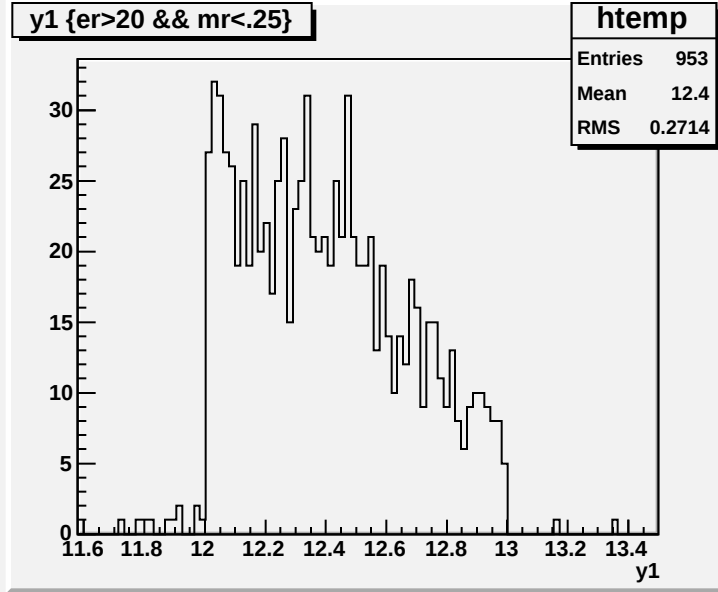
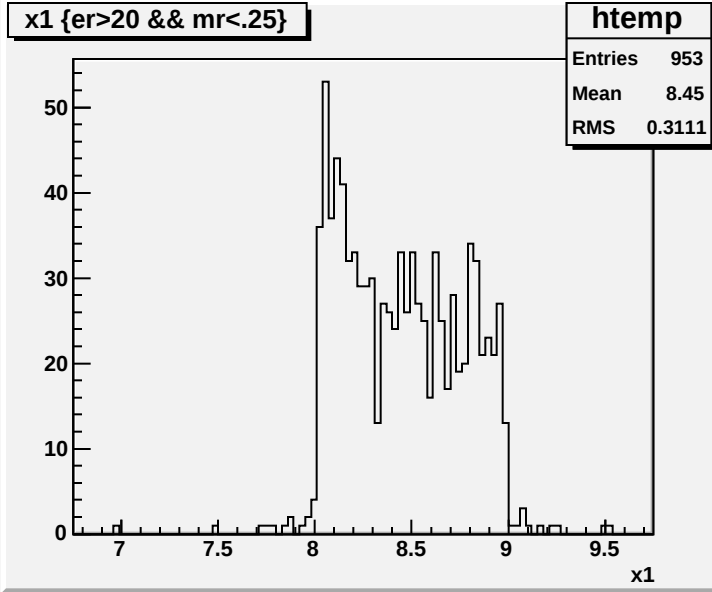
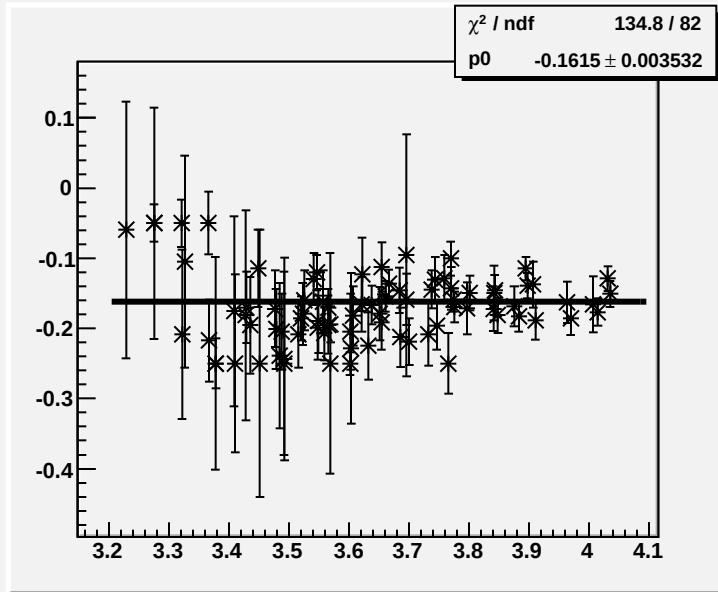
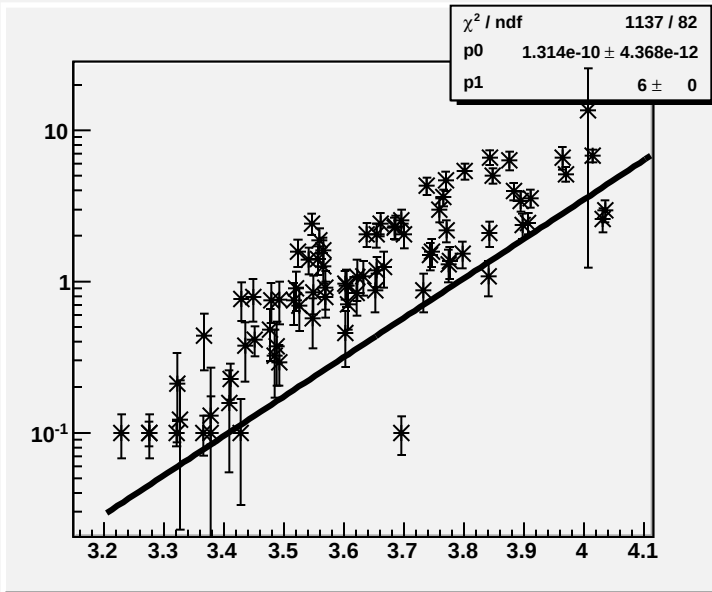
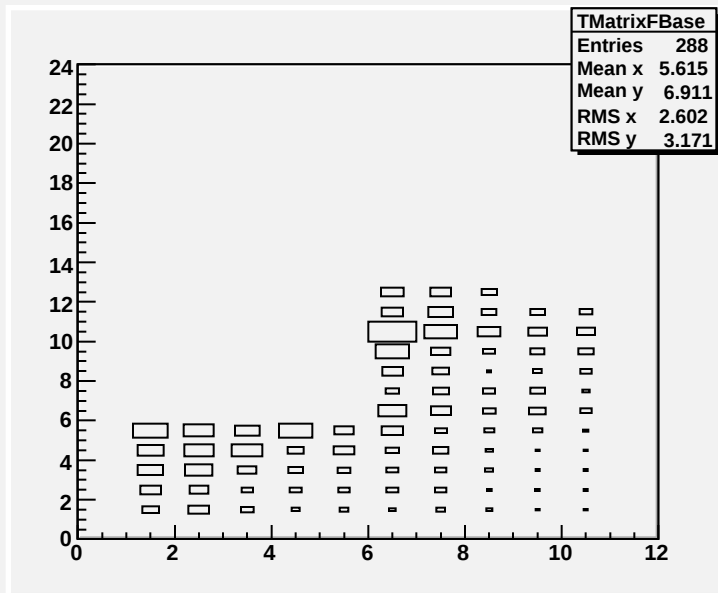
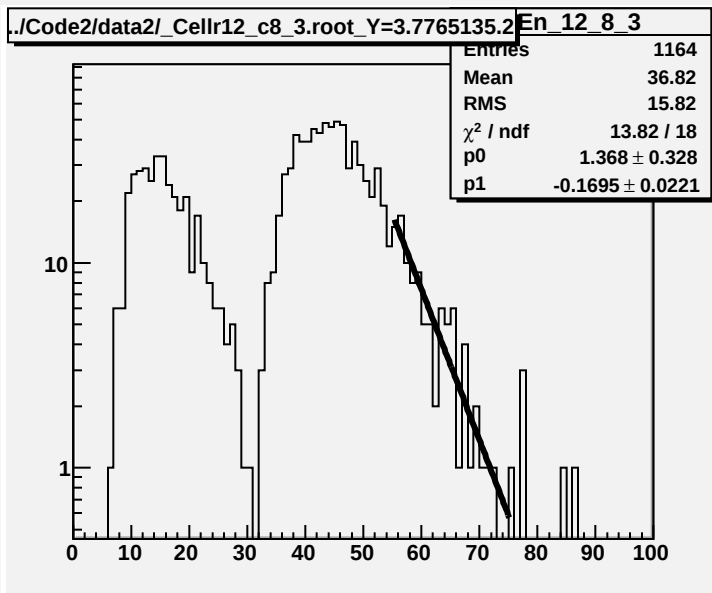
y1 {er>20 && mr<.25}

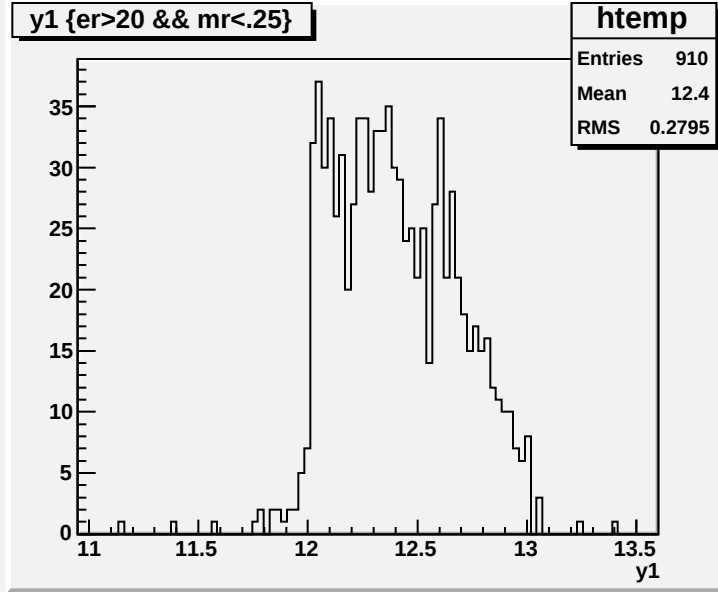
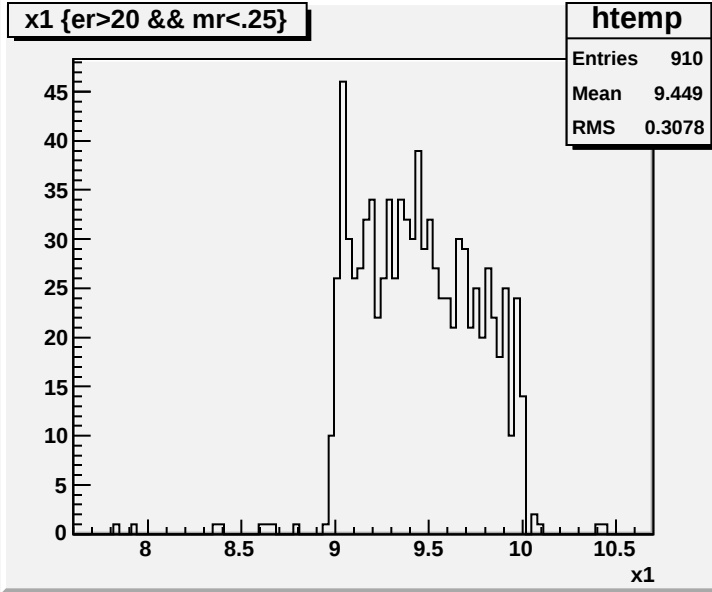
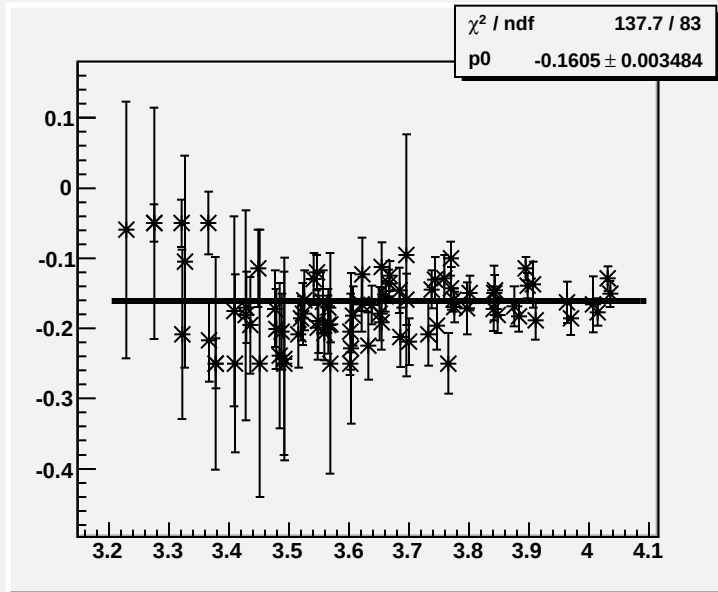
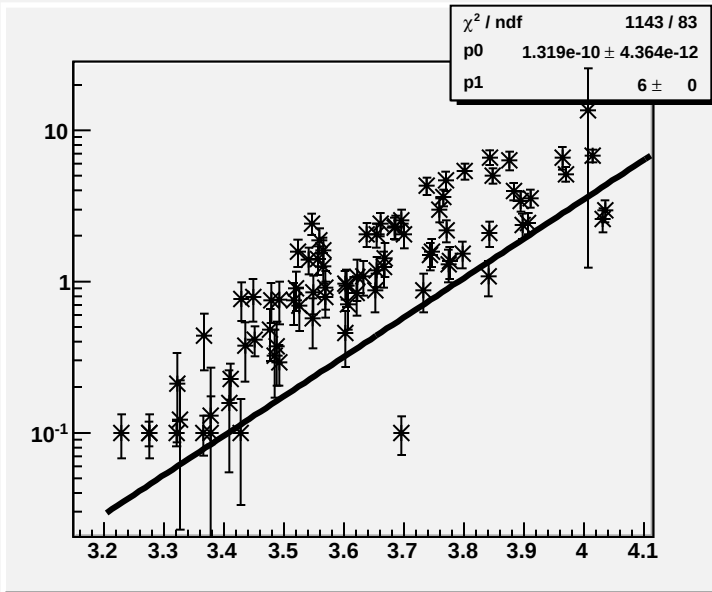
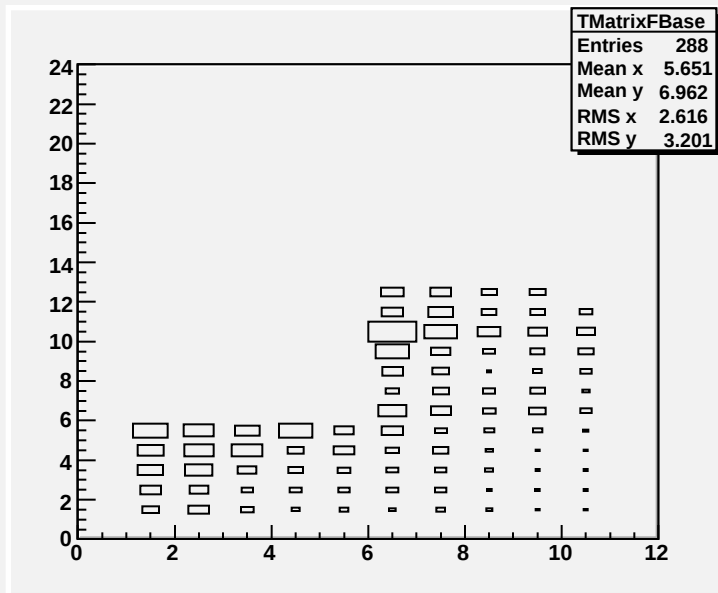
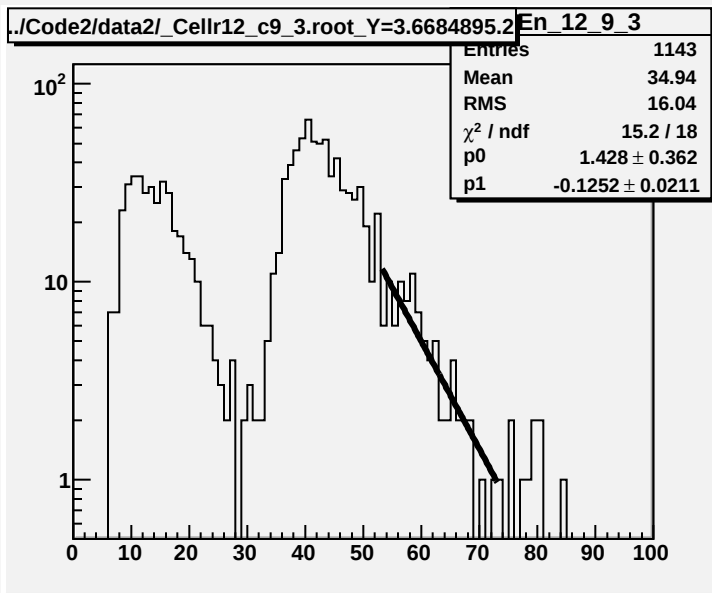
htemp





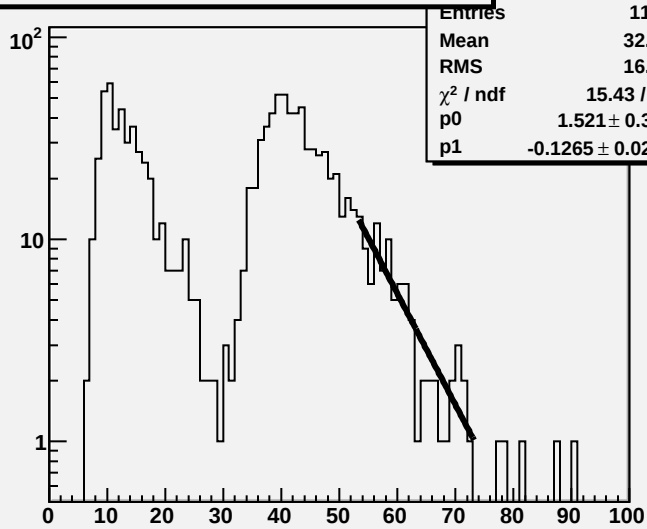




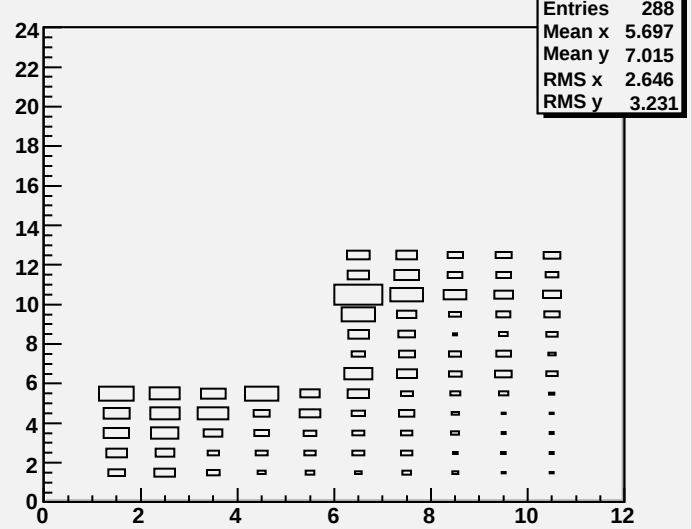


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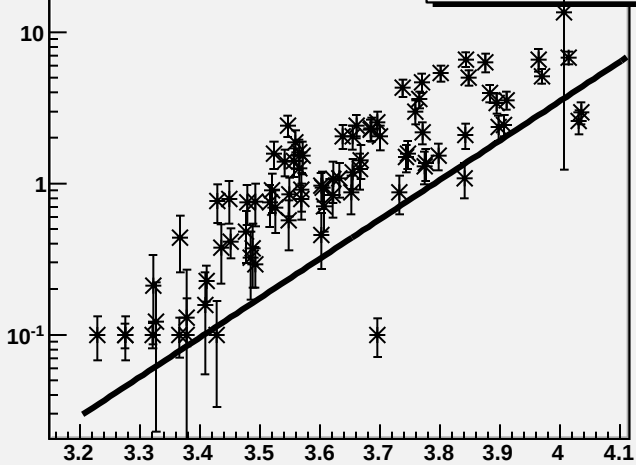
En 12 10 3



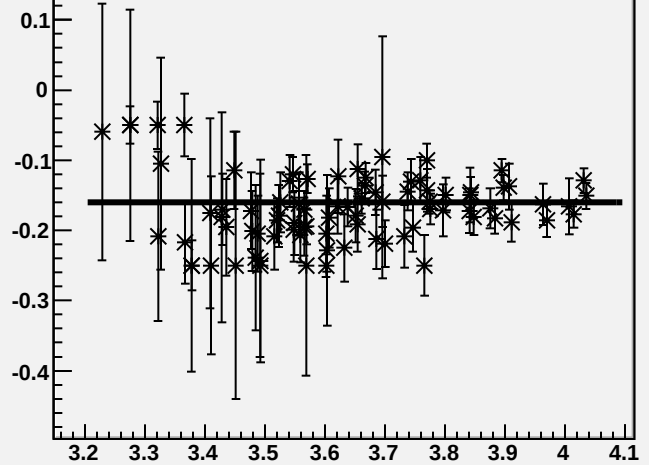
TMatrixFBase



χ^2 / ndf 1155 / 84
p0 $1.323\text{e-}10 \pm 4.363\text{e-}12$
p1 6 ± 0

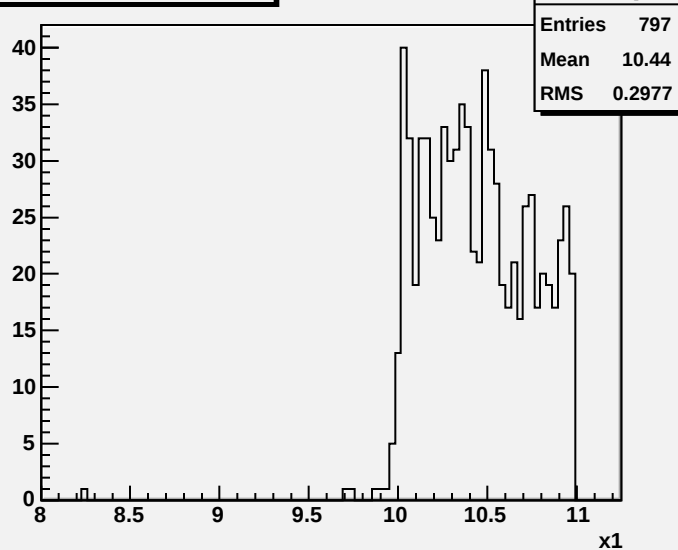


χ^2 / ndf 140.4 / 84
p0 -0.1596 ± 0.003434



x1 {er>20 && mr<.25}

htemp



y1 {er>20 && mr<.25}

htemp

