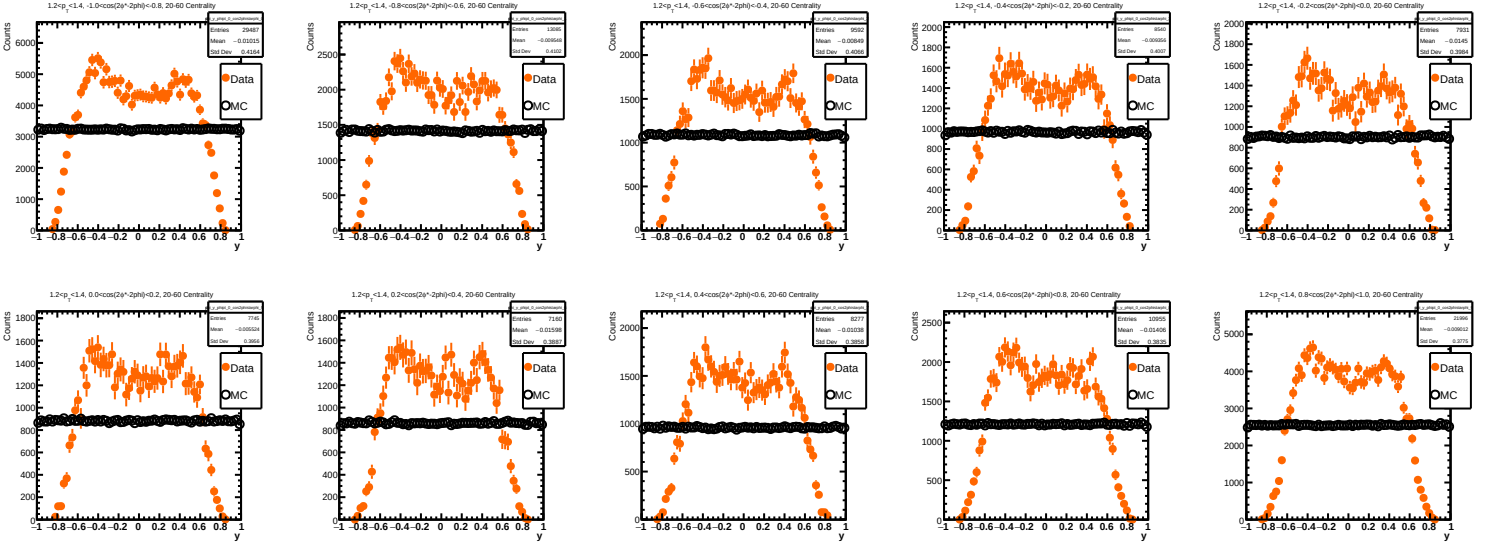
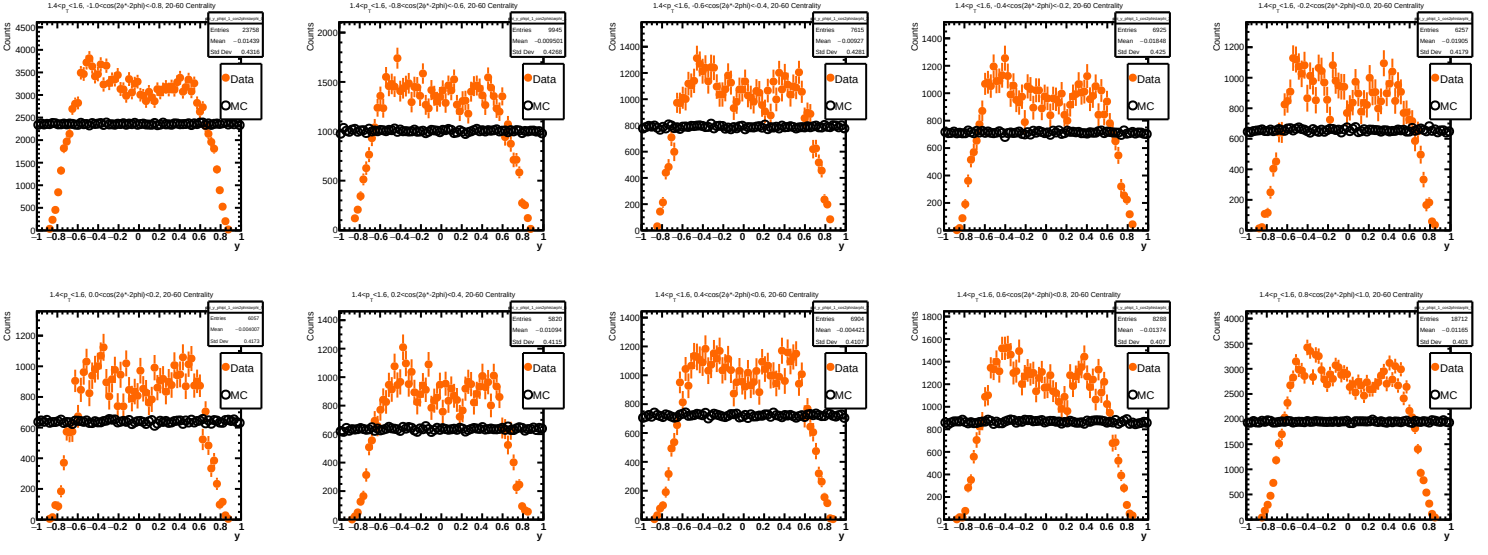
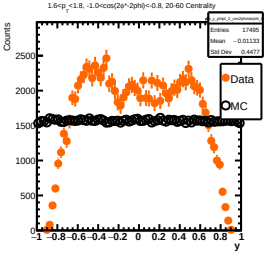
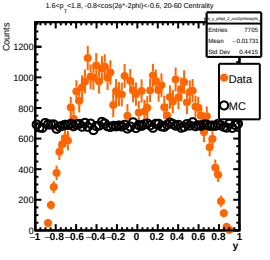
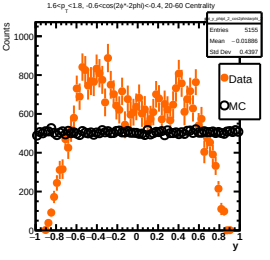
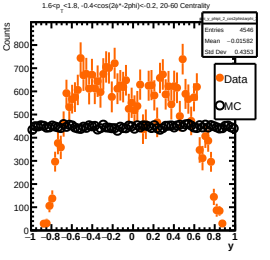

1.2<p_T<1.4, -1.0<cos(2φ^-2φh)<-0.8, 20-60 Centrality
Entries 29487
Mean −0.01015
Std Dev 0.4164
1.2<p_T<1.4, -0.8<cos(2φ^-2φh)<-0.6, 20-60 Centrality
Entries 13898
Mean −0.00958
Std Dev 0.4102
1.2<p_T<1.4, -0.6<cos(2φ^-2φh)<-0.4, 20-60 Centrality
Entries 9592
Mean −0.00849
Std Dev 0.4066
1.2<p_T<1.4, -0.4<cos(2φ^-2φh)<-0.2, 20-60 Centrality
Entries 8566
Std Dev 0.4007
1.2<p_T<1.4, -0.2<cos(2φ^-2φh)<0.0, 20-60 Centrality
Entries 7931
Mean −0.0145
Std Dev 0.3984
1.2<p_T<1.4, 0.0<cos(2φ^-2φh)<0.2, 20-60 Centrality
Entries 7746
Mean −0.005524
Std Dev 0.3956
1.2<p_T<1.4, 0.2<cos(2φ^-2φh)<0.4, 20-60 Centrality
Entries 7160
Mean −0.01598
Std Dev 0.3887
1.2<p_T<1.4, 0.4<cos(2φ^-2φh)<0.6, 20-60 Centrality
Entries 8277
Mean −0.01038
Std Dev 0.3858
1.2<p_T<1.4, 0.6<cos(2φ^-2φh)<0.8, 20-60 Centrality
Entries 10955
Mean −0.01406
Std Dev 0.3835
1.2<p_T<1.4, 0.8<cos(2φ^-2φh)<1.0, 20-60 Centrality
Entries 21966
Mean −0.00612
Std Dev 0.3771
Counts
y
Data
MC

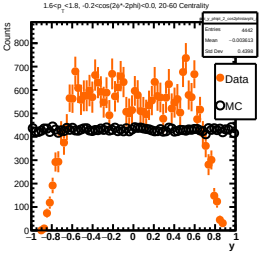

1.4<p_T<1.6, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 23758
Mean −0.01439
Std Dev 0.4316
1.4<p_T<1.6, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 9945
Mean −0.005521
Std Dev 0.4268
1.4<p_T<1.6, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 7615
Mean −0.005927
Std Dev 0.4281
1.4<p_T<1.6, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 6925
Std Dev 0.425
1.4<p_T<1.6, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 6257
Mean −0.01905
Std Dev 0.4179
1.4<p_T<1.6, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 6257
Mean −0.004007
Std Dev 0.4173
1.4<p_T<1.6, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 5820
Mean −0.01094
Std Dev 0.4115
1.4<p_T<1.6, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 6904
Mean −0.004421
Std Dev 0.4107
1.4<p_T<1.6, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 8288
Mean −0.01374
Std Dev 0.407
1.4<p_T<1.6, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 18712
Mean −0.01165
Std Dev 0.403
Counts
y
Data
MC

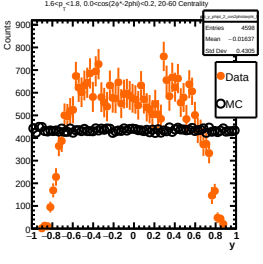

1.6<p_T<1.8, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 17495
Mean −0.01133
Std Dev 0.4477
Data
MC
Counts
y

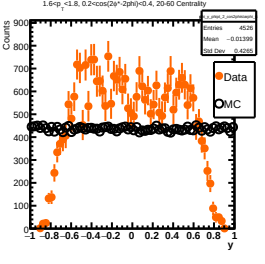

1.6<p_T<1.8, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 7705
Mean −0.01731
Std Dev 0.4415
Data
MC
Counts
y

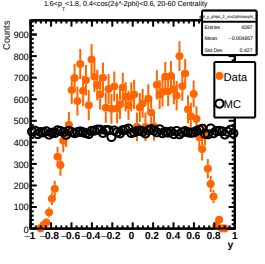

1.6<p_T<1.8, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 5155
Mean −0.01886
Std Dev 0.4397
Data
MC
Counts
y

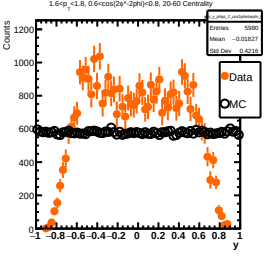

1.6<p_T<1.8, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 4545
Mean −0.01582
Std Dev 0.4353
Data
MC
Counts
y

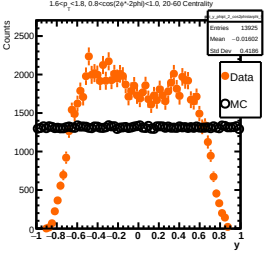

1.6<p_T<1.8, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 4447
Mean −0.01612
Std Dev 0.4386
Data
MC
Counts
y

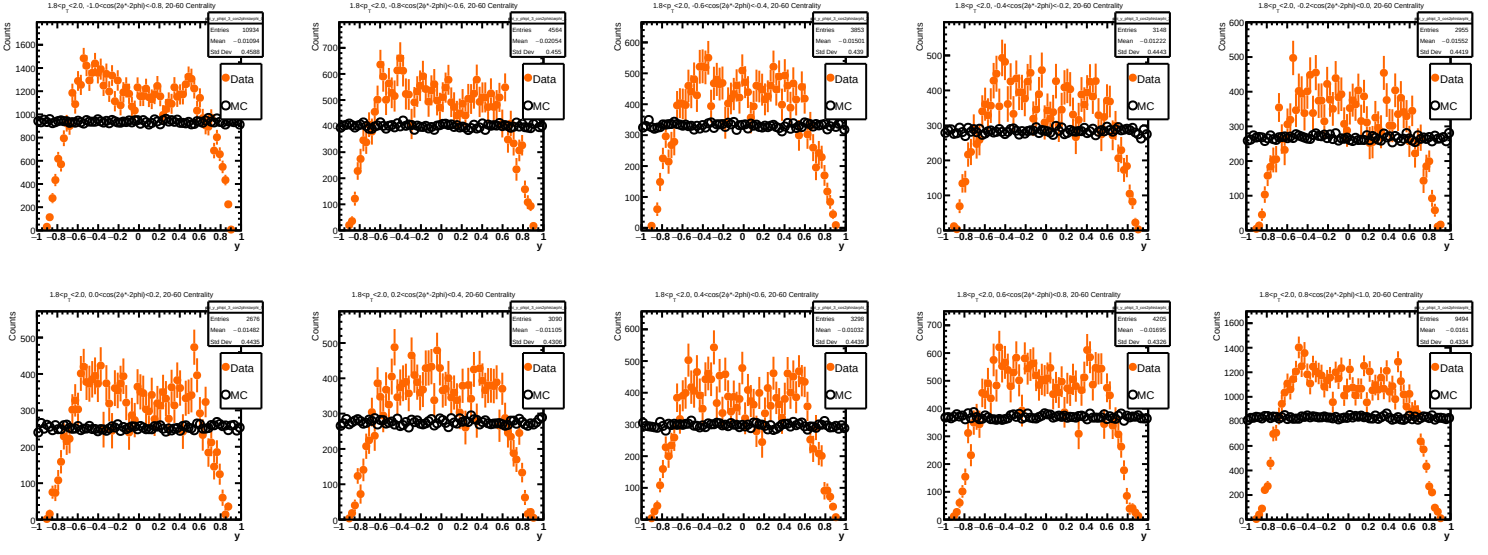

1.6<p_T<1.8, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 4598
Mean −0.01637
Std Dev 0.4305
Data
MC
Counts
y

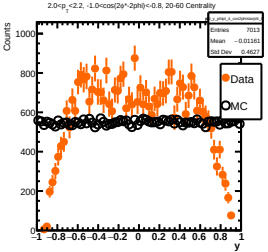

1.6<p_T<1.8, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 4526
Mean −0.01399
Std Dev 0.4265
Data
MC
Counts
y

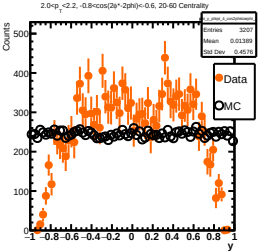

1.6<p_T<1.8, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 4387
Mean −0.00487
Std Dev 0.427
Data
MC
Counts
y

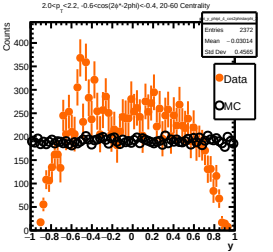

1.6<p_T<1.8, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 5993
Mean −0.01827
Std Dev 0.4218
Data
MC
Counts
y

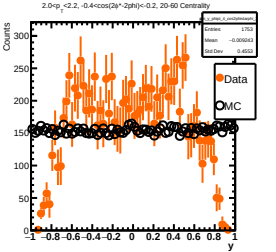

1.6<p_T<1.8, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
y_phi2_2_cos2phiresult
Entries 13925
Mean −0.01602
Std Dev 0.4189
Data
MC
Counts
y

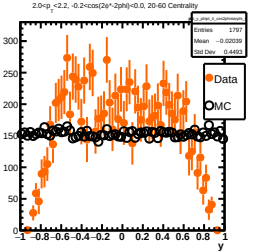

1.8<p_T<2.0, -1.0<cos(2a^-2phi)<-0.8, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 10934
Mean −0.01094
Std Dev 0.4589
1.8<p_T<2.0, -0.8<cos(2a^-2phi)<-0.6, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 4564
Mean −0.02054
Std Dev 0.455
1.8<p_T<2.0, -0.6<cos(2a^-2phi)<-0.4, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 3853
Mean −0.01501
Std Dev 0.439
1.8<p_T<2.0, -0.4<cos(2a^-2phi)<-0.2, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 3148
Mean −0.01222
Std Dev 0.4443
1.8<p_T<2.0, -0.2<cos(2a^-2phi)<0.0, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 2955
Mean −0.01552
Std Dev 0.4416
1.8<p_T<2.0, 0.0<cos(2a^-2phi)<0.2, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 2676
Mean −0.01482
Std Dev 0.4435
1.8<p_T<2.0, 0.2<cos(2a^-2phi)<0.4, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 3090
Mean −0.01105
Std Dev 0.4308
1.8<p_T<2.0, 0.4<cos(2a^-2phi)<0.6, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 3298
Mean −0.01032
Std Dev 0.4439
1.8<p_T<2.0, 0.6<cos(2a^-2phi)<0.8, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 4205
Mean −0.01695
Std Dev 0.4326
1.8<p_T<2.0, 0.8<cos(2a^-2phi)<1.0, 20-60 Centrality
y_phi_1_cos2phiweight_
Entries 9494
Mean −0.0161
Std Dev 0.4334
Counts
y
Data
MC

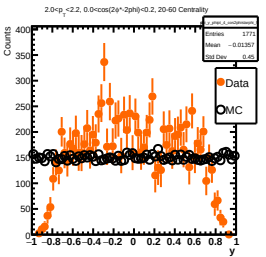

2.0<p_T<2.2, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 7013
Mean −0.01161
Std Dev 0.4627
Data
MC
Counts
y

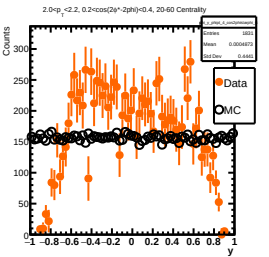

2.0<p_T<2.2, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 3207
Mean 0.01369
Std Dev 0.4576
Data
MC
Counts
y

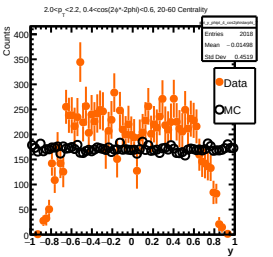

2.0<p_T<2.2, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 2372
Mean −0.03014
Std Dev 0.4565
Data
MC
Counts
y

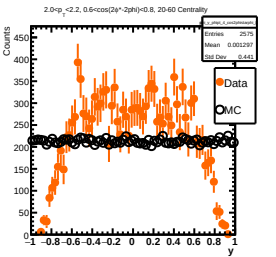

2.0<p_T<2.2, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 1752
Mean −0.00043
Std Dev 0.4493
Data
MC
Counts
y

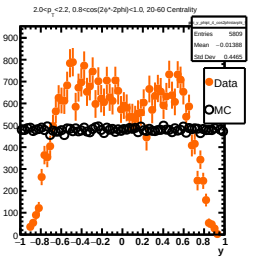

2.0<p_T<2.2, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 1797
Mean −0.02039
Std Dev 0.4491
Data
MC
Counts
y

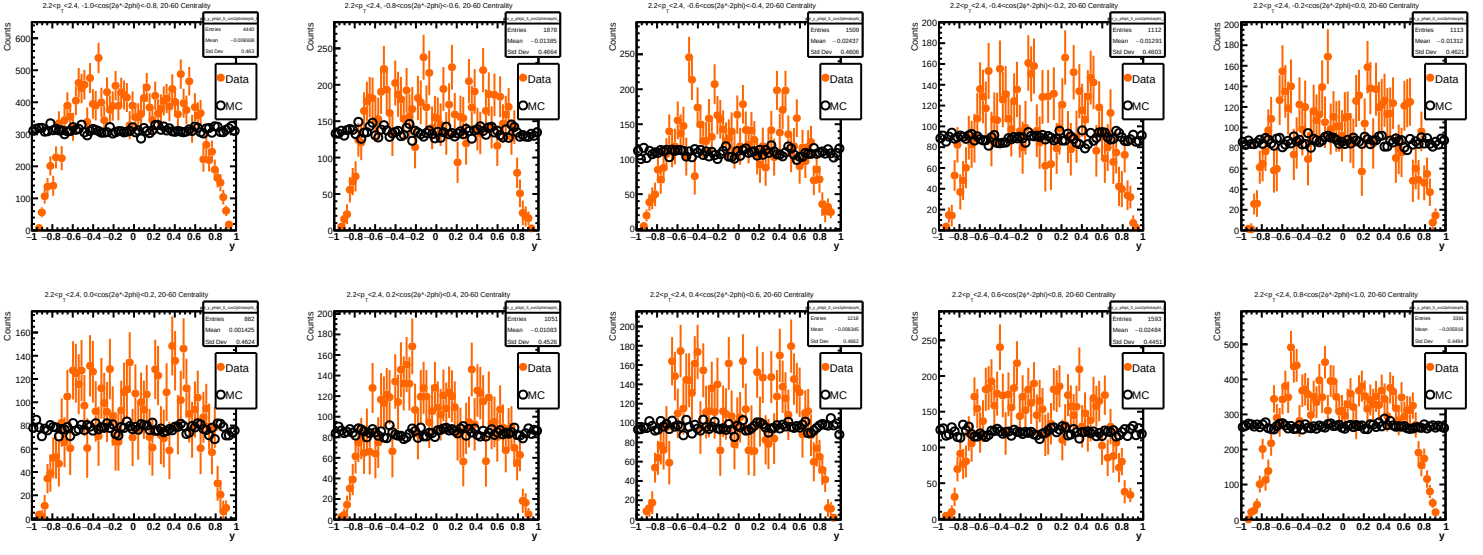

2.0<p_T<2.2, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 1771
Mean −0.01357
Std Dev 0.45
Data
MC
Counts
y

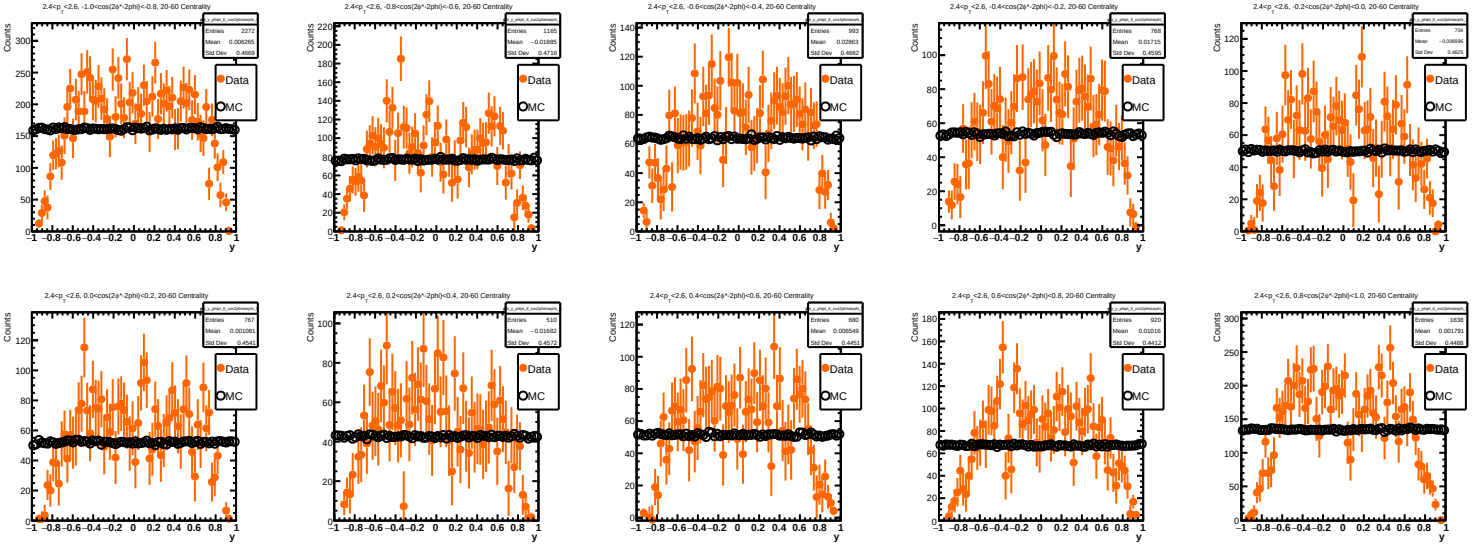

2.0<p_T<2.2, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 1651
Mean 0.000403
Std Dev 0.4465
Data
MC
Counts
y

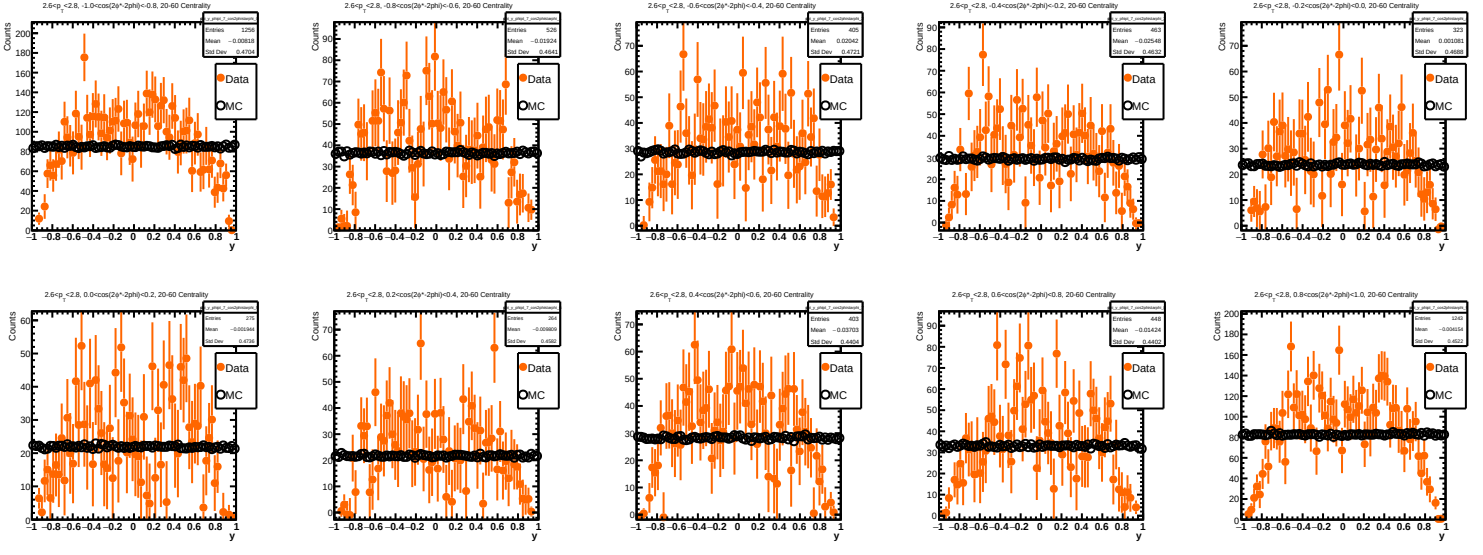

2.0<p_T<2.2, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 2018
Mean −0.01498
Std Dev 0.4519
Data
MC
Counts
y

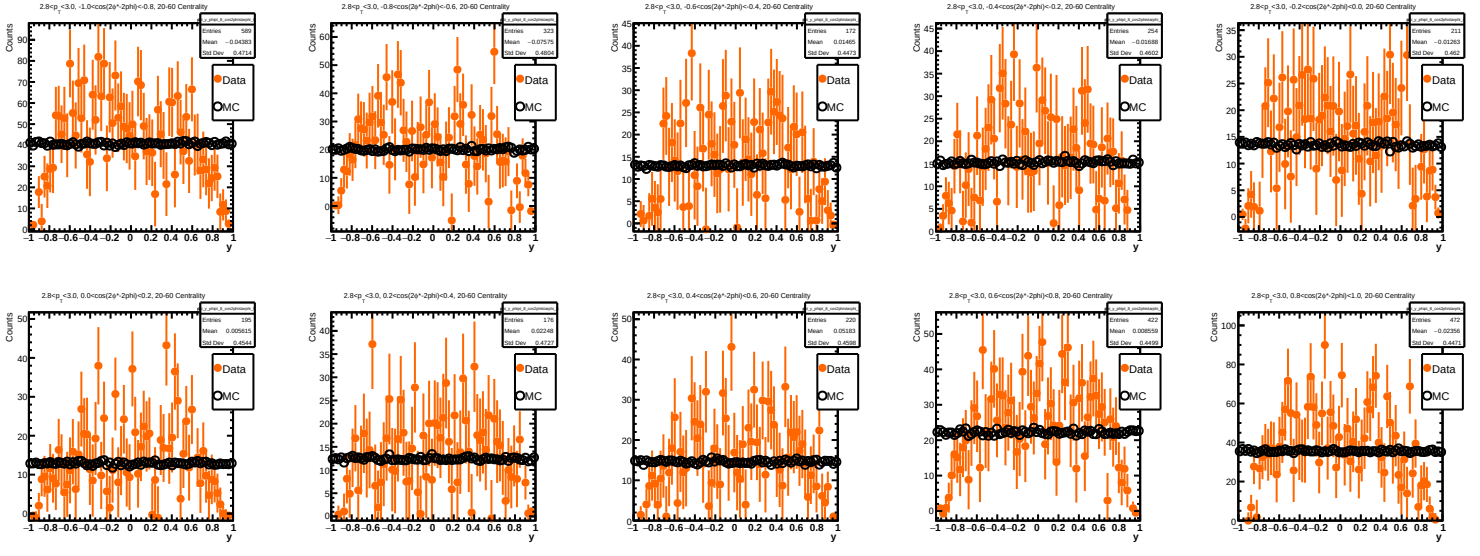

2.0<p_T<2.2, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 2575
Mean 0.001297
Std Dev 0.441
Data
MC
Counts
y

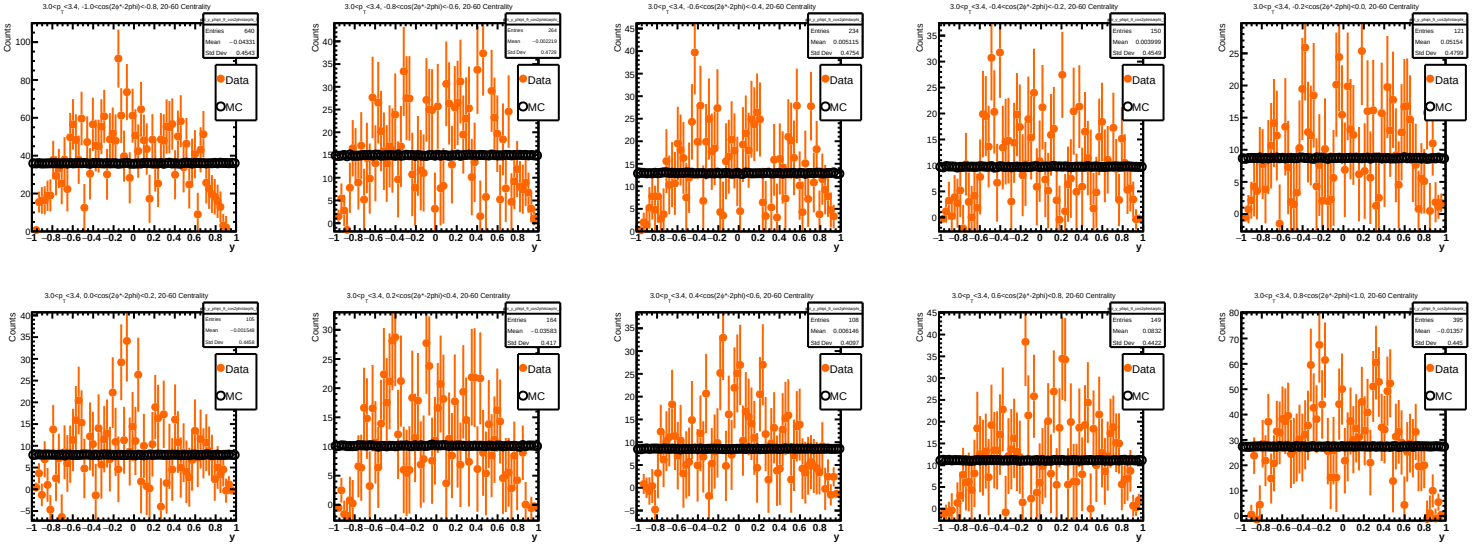

2.0<p_T<2.2, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 5809
Mean −0.01388
Std Dev 0.4465
Data
MC
Counts
y

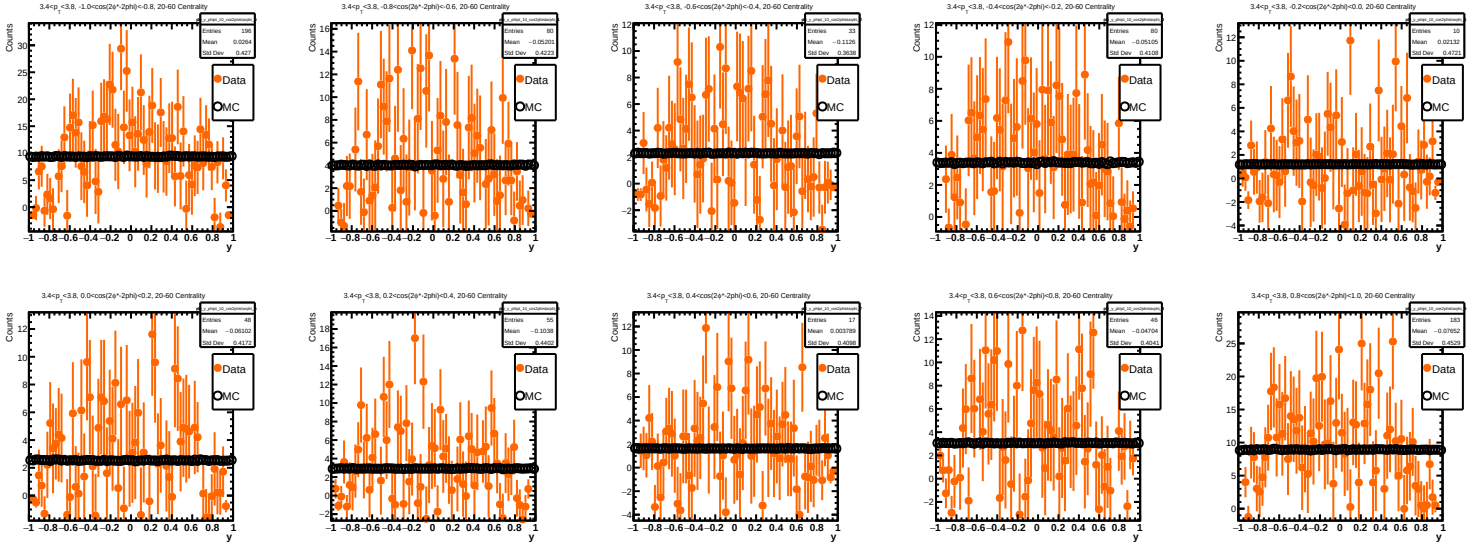

2.2<p_T<2.4, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 4440
Mean −0.089936
Std Dev 0.463
2.2<p_T<2.4, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 1878
Mean −0.01385
Std Dev 0.4664
2.2<p_T<2.4, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 1509
Mean −0.02437
Std Dev 0.4606
2.2<p_T<2.4, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 1112
Mean −0.01291
Std Dev 0.4603
2.2<p_T<2.4, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 1113
Mean −0.01312
Std Dev 0.4621
2.2<p_T<2.4, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 882
Mean 0.001425
Std Dev 0.4624
2.2<p_T<2.4, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 1051
Mean −0.01083
Std Dev 0.4528
2.2<p_T<2.4, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 1218
Mean −0.008345
Std Dev 0.4662
2.2<p_T<2.4, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 1593
Mean −0.02484
Std Dev 0.4451
2.2<p_T<2.4, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 2091
Mean −0.005918
Std Dev 0.4484
Data
MC
Counts
y

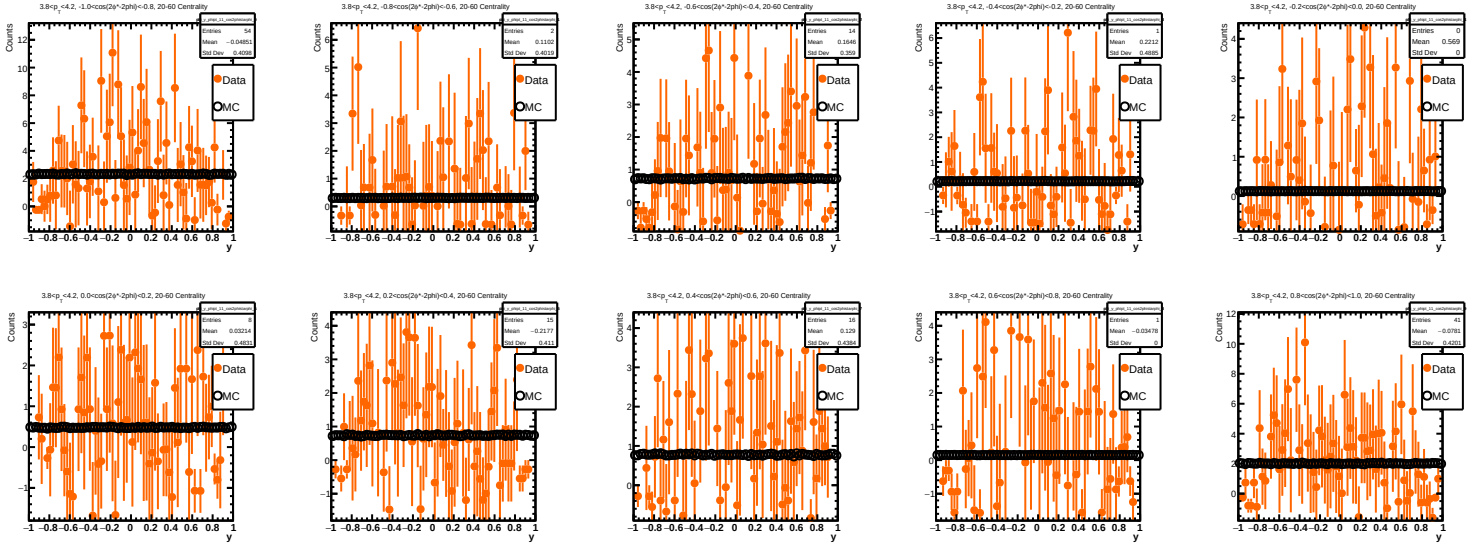

2.4<p_T<2.6, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 2272
Mean 0.000295
Std Dev 0.4669
2.4<p_T<2.6, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 1165
Mean -0.01885
Std Dev 0.4716
2.4<p_T<2.6, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 993
Mean 0.02863
Std Dev 0.4662
2.4<p_T<2.6, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 768
Mean 0.01715
Std Dev 0.4595
2.4<p_T<2.6, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 764
Mean -0.00696
Std Dev 0.4625
2.4<p_T<2.6, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 767
Mean 0.001081
Std Dev 0.4541
2.4<p_T<2.6, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 510
Mean -0.01682
Std Dev 0.4572
2.4<p_T<2.6, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 680
Mean 0.006549
Std Dev 0.4451
2.4<p_T<2.6, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 920
Mean 0.01016
Std Dev 0.4412
2.4<p_T<2.6, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 1638
Mean 0.001791
Std Dev 0.4489
Data
MC
Counts
y


2.6<p_T<2.8, -1.0<cos(2φ^-2ϕh)<-0.8, 20-60 Centrality
Entries 1256
Mean −0.00818
Std Dev 0.4704
2.6<p_T<2.8, -0.8<cos(2φ^-2ϕh)<-0.6, 20-60 Centrality
Entries 526
Mean −0.01924
Std Dev 0.4641
2.6<p_T<2.8, -0.6<cos(2φ^-2ϕh)<-0.4, 20-60 Centrality
Entries 405
Mean 0.02042
Std Dev 0.4721
2.6<p_T<2.8, -0.4<cos(2φ^-2ϕh)<-0.2, 20-60 Centrality
Entries 463
Mean −0.02548
Std Dev 0.4632
2.6<p_T<2.8, -0.2<cos(2φ^-2ϕh)<0.0, 20-60 Centrality
Entries 323
Mean 0.00108
Std Dev 0.4688
2.6<p_T<2.8, 0.0<cos(2φ^-2ϕh)<0.2, 20-60 Centrality
Entries 275
Mean −0.001944
Std Dev 0.4736
2.6<p_T<2.8, 0.2<cos(2φ^-2ϕh)<0.4, 20-60 Centrality
Entries 356
Mean −0.00969
Std Dev 0.4592
2.6<p_T<2.8, 0.4<cos(2φ^-2ϕh)<0.6, 20-60 Centrality
Entries 403
Mean −0.03703
Std Dev 0.4404
2.6<p_T<2.8, 0.6<cos(2φ^-2ϕh)<0.8, 20-60 Centrality
Entries 448
Mean −0.01424
Std Dev 0.4402
2.6<p_T<2.8, 0.8<cos(2φ^-2ϕh)<1.0, 20-60 Centrality
Entries 1240
Mean −0.004156
Std Dev 0.4522
Data
MC
Counts
y


2.8<p_T<3.0, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 589
Mean −0.04383
Std Dev 0.4714
2.8<p_T<3.0, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 323
Mean −0.07575
Std Dev 0.4804
2.8<p_T<3.0, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 172
Mean 0.01465
Std Dev 0.4473
2.8<p_T<3.0, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 254
Mean −0.01688
Std Dev 0.4602
2.8<p_T<3.0, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 211
Mean −0.01263
Std Dev 0.462
2.8<p_T<3.0, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 195
Mean 0.005615
Std Dev 0.4544
2.8<p_T<3.0, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 176
Mean 0.02248
Std Dev 0.4727
2.8<p_T<3.0, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 220
Mean 0.05183
Std Dev 0.4586
2.8<p_T<3.0, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 422
Mean 0.008559
Std Dev 0.4492
2.8<p_T<3.0, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 472
Mean −0.02356
Std Dev 0.4471
Counts
y
Data
MC


3.0<p_T<3.4, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 640
Mean −0.04331
Std Dev 0.4543
3.0<p_T<3.4, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 1 0
Mean −0.002219
Std Dev 0.4728
3.0<p_T<3.4, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 234
Mean 0.005115
Std Dev 0.4754
3.0<p_T<3.4, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 150
Mean 0.003599
Std Dev 0.4549
3.0<p_T<3.4, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 121
Mean 0.05154
Std Dev 0.4799
3.0<p_T<3.4, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 116
Mean −0.001548
Std Dev 0.4458
3.0<p_T<3.4, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 164
Mean −0.03583
Std Dev 0.417
3.0<p_T<3.4, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 108
Mean 0.006146
Std Dev 0.4097
3.0<p_T<3.4, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 149
Mean 0.0832
Std Dev 0.4422
3.0<p_T<3.4, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 395
Mean −0.01357
Std Dev 0.445
Counts
y
Data
MC


3.4<p_T<3.8, -1.0<cos(2a^-2phi)<-0.8, 20-60 Centrality
Entries 196
Mean 0.0264
Std Dev 0.427
3.4<p_T<3.8, -0.8<cos(2a^-2phi)<-0.6, 20-60 Centrality
Entries 80
Mean −0.0501
Std Dev 0.4223
3.4<p_T<3.8, -0.6<cos(2a^-2phi)<-0.4, 20-60 Centrality
Entries 33
Mean −0.1126
Std Dev 0.3638
3.4<p_T<3.8, -0.4<cos(2a^-2phi)<-0.2, 20-60 Centrality
Entries 80
Mean −0.0510
Std Dev 0.4108
3.4<p_T<3.8, -0.2<cos(2a^-2phi)<0.0, 20-60 Centrality
Entries 19
Mean 0.0213
Std Dev 0.4721
3.4<p_T<3.8, 0.0<cos(2a^-2phi)<0.2, 20-60 Centrality
Entries 48
Mean −0.0610
Std Dev 0.4172
3.4<p_T<3.8, 0.2<cos(2a^-2phi)<0.4, 20-60 Centrality
Entries 55
Mean −0.1038
Std Dev 0.4402
3.4<p_T<3.8, 0.4<cos(2a^-2phi)<0.6, 20-60 Centrality
Entries 17
Mean 0.003789
Std Dev 0.4098
3.4<p_T<3.8, 0.6<cos(2a^-2phi)<0.8, 20-60 Centrality
Entries 46
Mean −0.04704
Std Dev 0.4041
3.4<p_T<3.8, 0.8<cos(2a^-2phi)<1.0, 20-60 Centrality
Entries 183
Mean −0.07652
Std Dev 0.4529
Counts
y
Data
MC


3.8<p_T<4.2, -1.0<cos(2a^-2phi)<-0.8, 20-60 Centrality
Entries 54
Mean −0.04851
Std Dev 0.4098
3.8<p_T<4.2, -0.8<cos(2a^-2phi)<-0.6, 20-60 Centrality
Entries 2
Mean 0.1102
Std Dev 0.4019
3.8<p_T<4.2, -0.6<cos(2a^-2phi)<-0.4, 20-60 Centrality
Entries 14
Mean 0.1646
Std Dev 0.359
3.8<p_T<4.2, -0.4<cos(2a^-2phi)<-0.2, 20-60 Centrality
Entries 1
Mean 0.2212
Std Dev 0.4895
3.8<p_T<4.2, -0.2<cos(2a^-2phi)<0.0, 20-60 Centrality
Entries 2
Mean 0.569
Std Dev 0
3.8<p_T<4.2, 0.0<cos(2a^-2phi)<0.2, 20-60 Centrality
Entries 8
Mean 0.03214
Std Dev 0.4831
3.8<p_T<4.2, 0.2<cos(2a^-2phi)<0.4, 20-60 Centrality
Entries 15
Mean −0.2177
Std Dev 0.411
3.8<p_T<4.2, 0.4<cos(2a^-2phi)<0.6, 20-60 Centrality
Entries 16
Mean 0.129
Std Dev 0.4384
3.8<p_T<4.2, 0.6<cos(2a^-2phi)<0.8, 20-60 Centrality
Entries 1
Mean −0.03478
Std Dev 0
3.8<p_T<4.2, 0.8<cos(2a^-2phi)<1.0, 20-60 Centrality
Entries 41
Mean −0.0781
Std Dev 0.4201
Data
MC
Counts
y