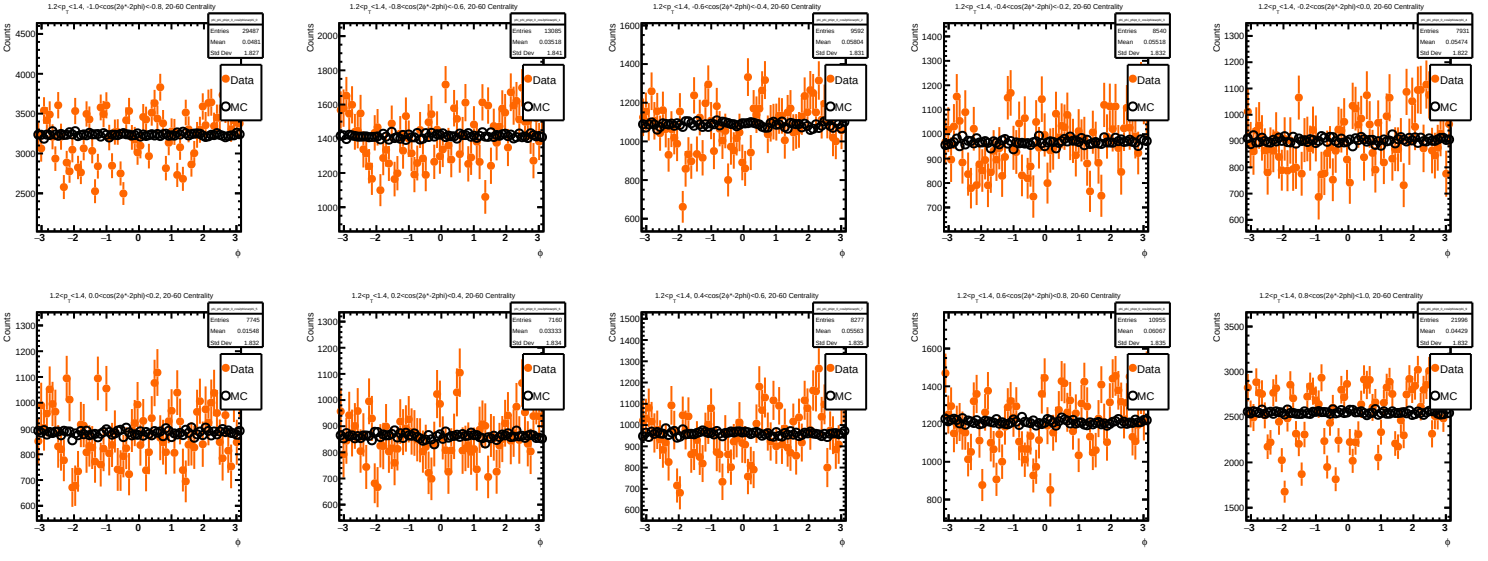
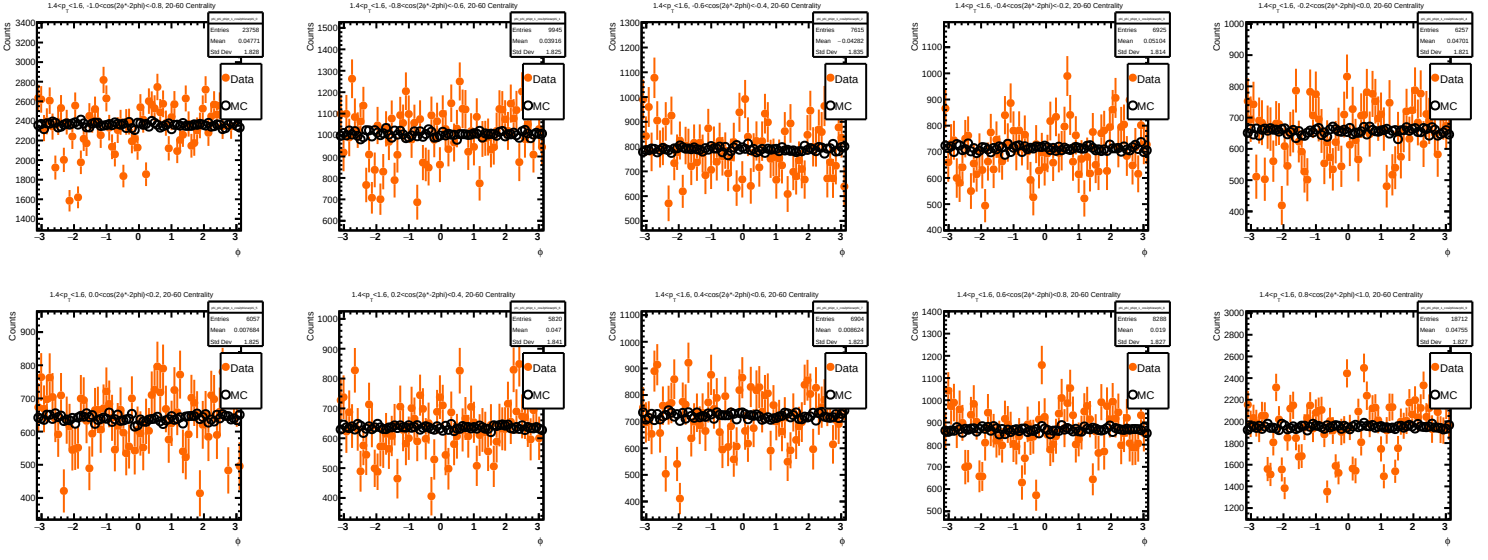
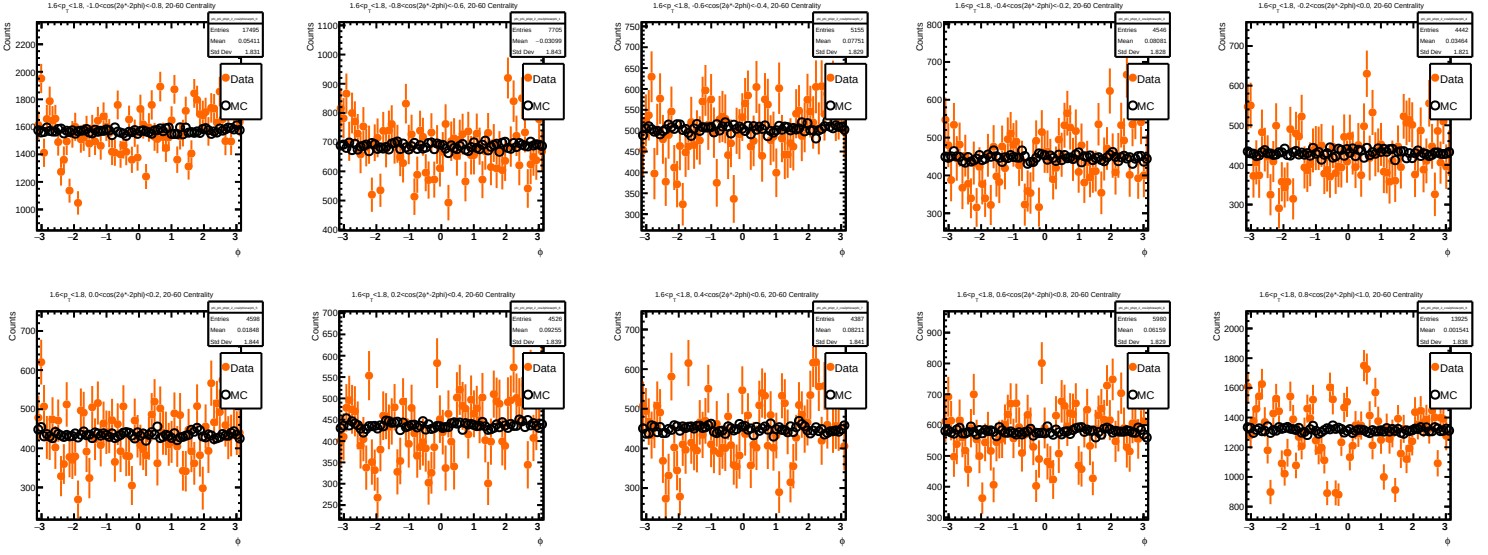
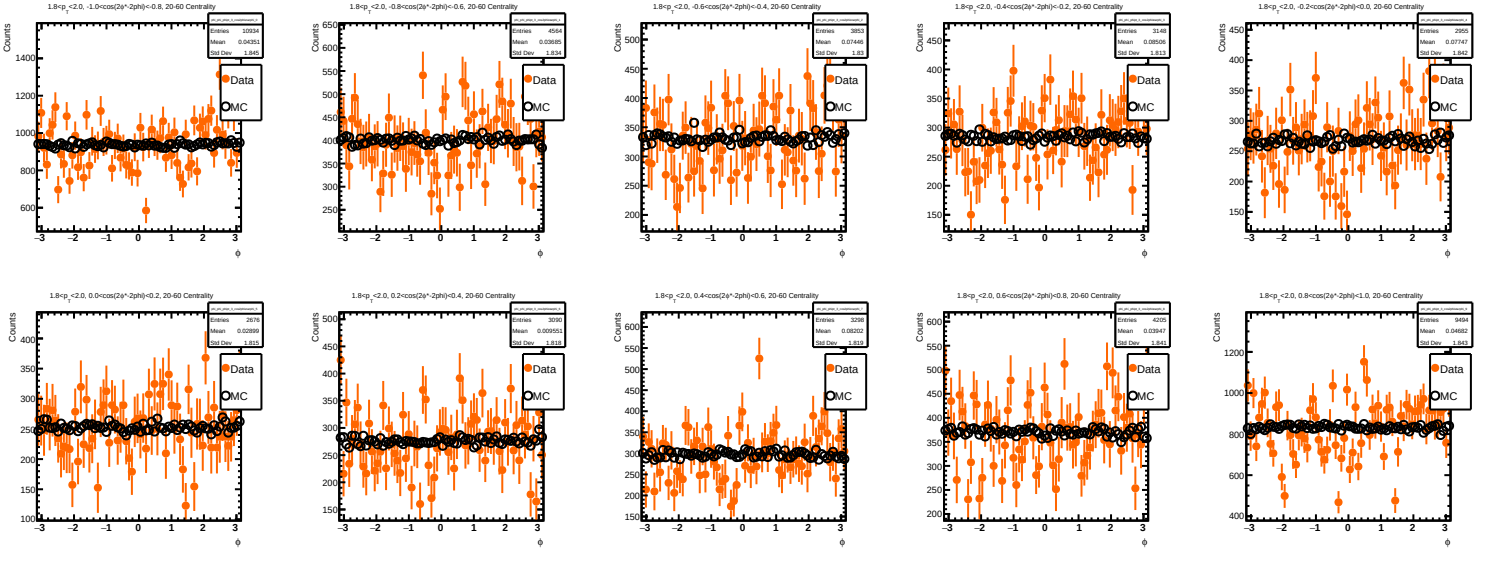
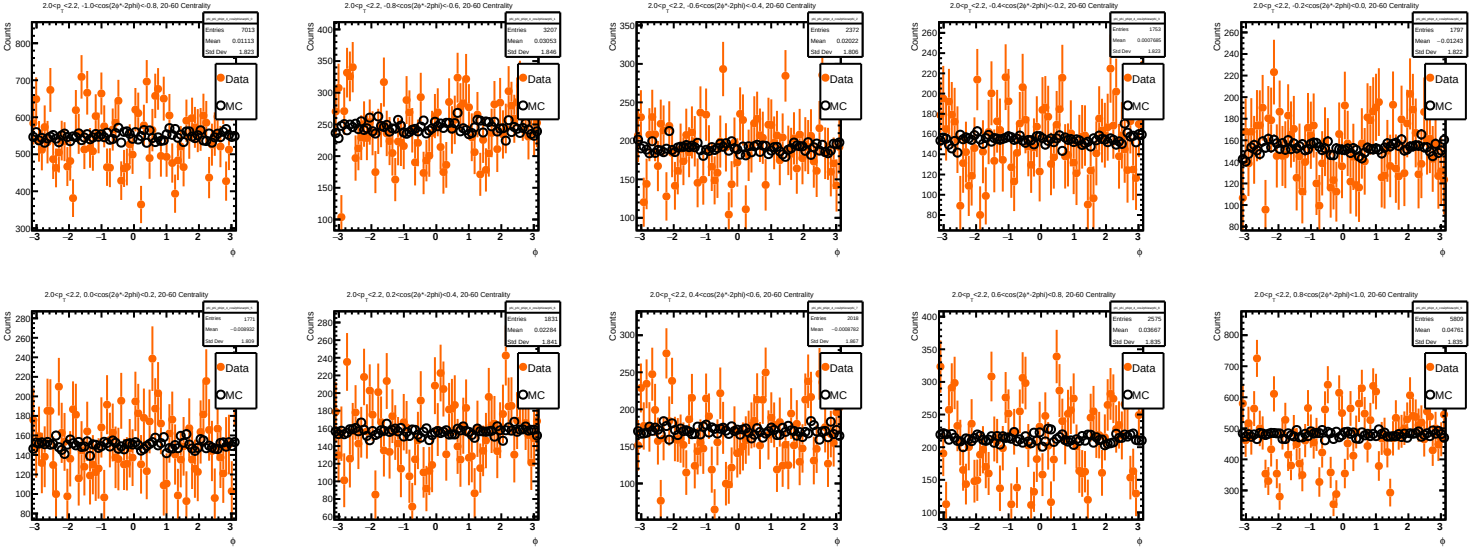
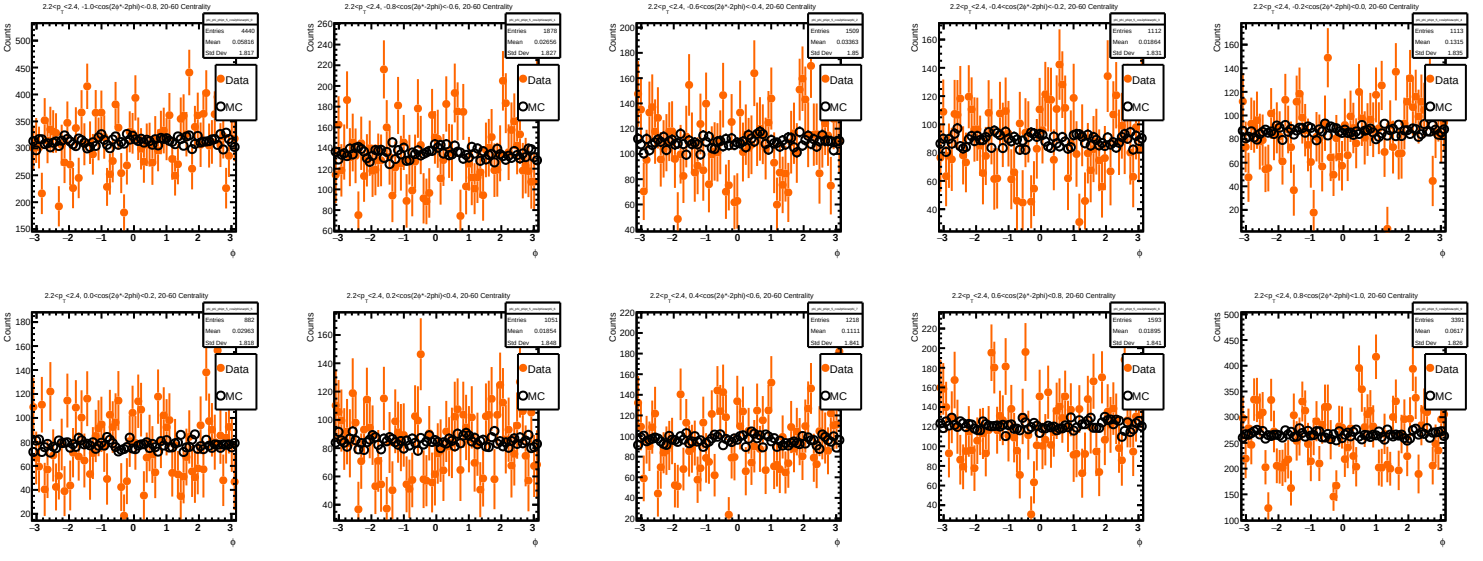

1.2<p_T<1.4, -1.0<cos(2ϕ^-2phi)<-0.8, 20-60 Centrality
Entries 29487
Mean 0.0481
Std Dev 1.827
1.2<p_T<1.4, -0.8<cos(2ϕ^-2phi)<-0.6, 20-60 Centrality
Entries 13085
Mean 0.05518
Std Dev 1.841
1.2<p_T<1.4, -0.6<cos(2ϕ^-2phi)<-0.4, 20-60 Centrality
Entries 9592
Mean 0.05804
Std Dev 1.831
1.2<p_T<1.4, -0.4<cos(2ϕ^-2phi)<-0.2, 20-60 Centrality
Entries 8540
Mean 0.05518
Std Dev 1.832
1.2<p_T<1.4, -0.2<cos(2ϕ^-2phi)<0.0, 20-60 Centrality
Entries 7931
Mean 0.05474
Std Dev 1.822
1.2<p_T<1.4, 0.0<cos(2ϕ^-2phi)<0.2, 20-60 Centrality
Entries 7745
Mean 0.01548
Std Dev 1.832
1.2<p_T<1.4, 0.2<cos(2ϕ^-2phi)<0.4, 20-60 Centrality
Entries 7160
Mean 0.03333
Std Dev 1.834
1.2<p_T<1.4, 0.4<cos(2ϕ^-2phi)<0.6, 20-60 Centrality
Entries 8277
Mean 0.05563
Std Dev 1.835
1.2<p_T<1.4, 0.6<cos(2ϕ^-2phi)<0.8, 20-60 Centrality
Entries 10955
Mean 0.06067
Std Dev 1.835
1.2<p_T<1.4, 0.8<cos(2ϕ^-2phi)<1.0, 20-60 Centrality
Entries 21996
Mean 0.04429
Std Dev 1.832
Counts
ϕ
Data
MC

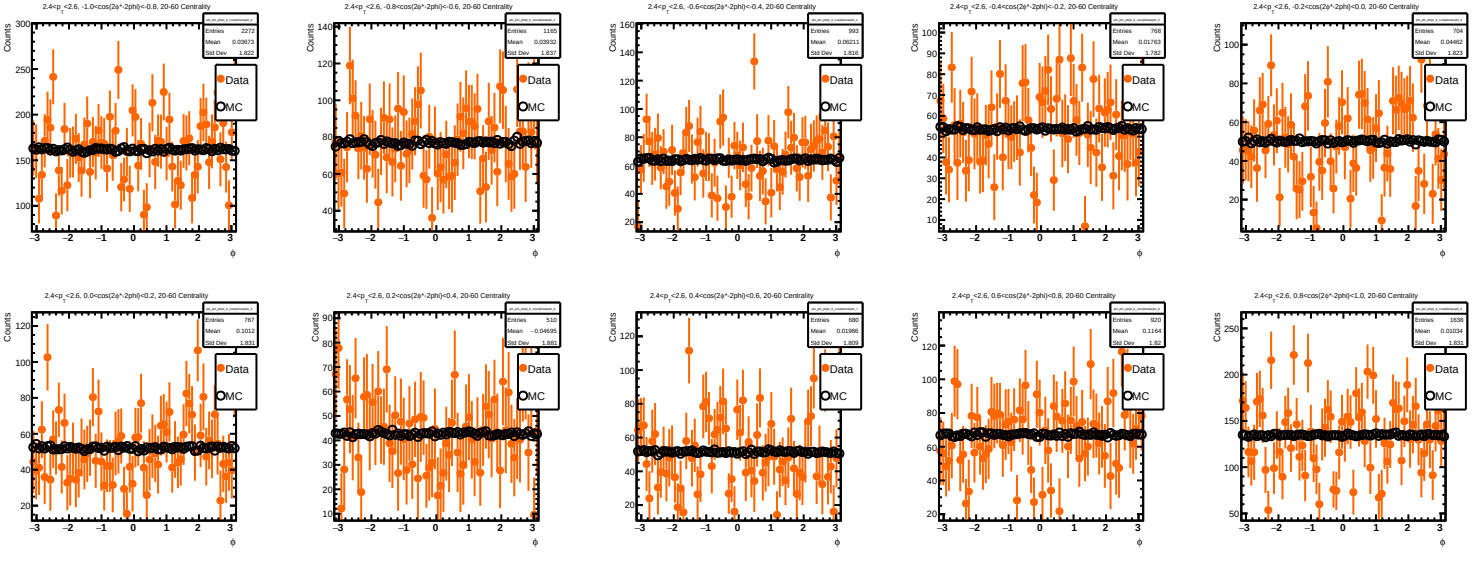

1.4<p_T<1.6, -1.0<cos(2ϕ^-2phi)<-0.8, 20-60 Centrality
Entries 23758
Mean 0.04771
Std Dev 1.828
1.4<p_T<1.6, -0.8<cos(2ϕ^-2phi)<-0.6, 20-60 Centrality
Entries 9945
Mean 0.03916
Std Dev 1.825
1.4<p_T<1.6, -0.6<cos(2ϕ^-2phi)<-0.4, 20-60 Centrality
Entries 7615
Mean −0.04282
Std Dev 1.835
1.4<p_T<1.6, -0.4<cos(2ϕ^-2phi)<-0.2, 20-60 Centrality
Entries 6925
Mean 0.05104
Std Dev 1.814
1.4<p_T<1.6, -0.2<cos(2ϕ^-2phi)<0.0, 20-60 Centrality
Entries 6251
Mean 0.04701
Std Dev 1.821
1.4<p_T<1.6, 0.0<cos(2ϕ^-2phi)<0.2, 20-60 Centrality
Entries 6057
Mean 0.007684
Std Dev 1.825
1.4<p_T<1.6, 0.2<cos(2ϕ^-2phi)<0.4, 20-60 Centrality
Entries 5820
Mean 0.047
Std Dev 1.841
1.4<p_T<1.6, 0.4<cos(2ϕ^-2phi)<0.6, 20-60 Centrality
Entries 6904
Mean 0.008624
Std Dev 1.823
1.4<p_T<1.6, 0.6<cos(2ϕ^-2phi)<0.8, 20-60 Centrality
Entries 8288
Mean 0.019
Std Dev 1.827
1.4<p_T<1.6, 0.8<cos(2ϕ^-2phi)<1.0, 20-60 Centrality
Entries 18712
Mean 0.04755
Std Dev 1.827
Data
MC
Counts
ϕ

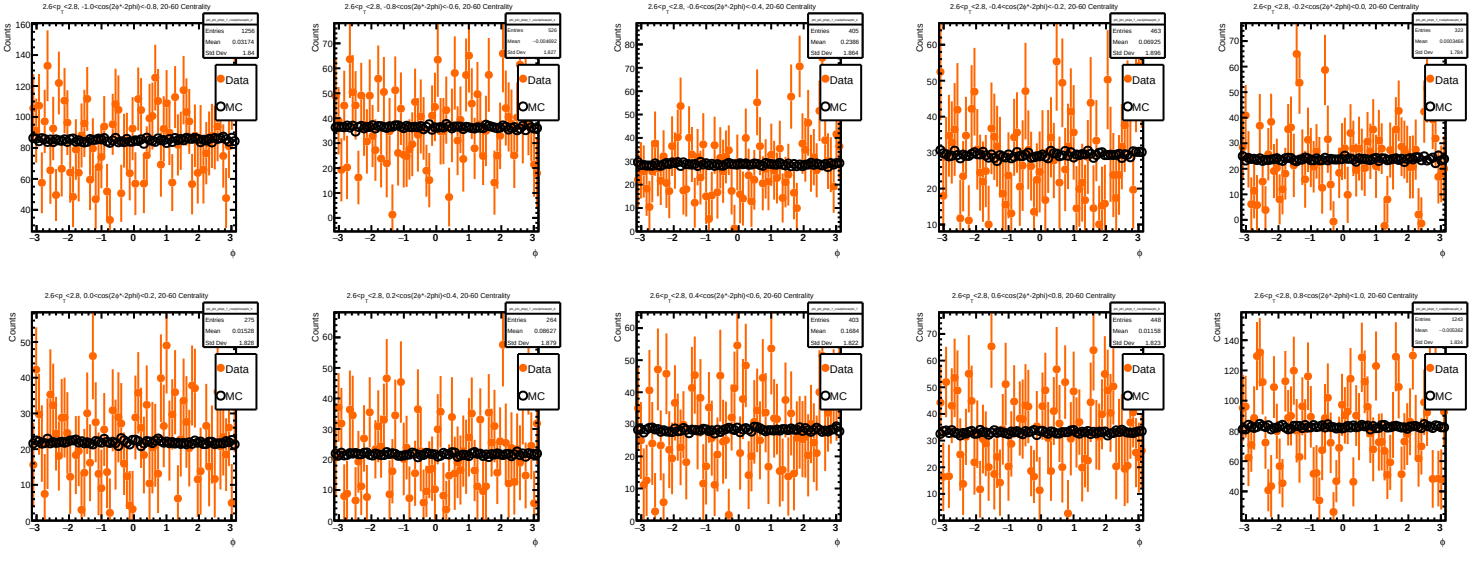

1.6<p_T<1.8, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 17495
Mean 0.05411
Std Dev 1.831
1.6<p_T<1.8, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 7705
Mean -0.03059
Std Dev 1.843
1.6<p_T<1.8, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 5155
Mean 0.07751
Std Dev 1.829
1.6<p_T<1.8, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 4545
Mean 0.08081
Std Dev 1.828
1.6<p_T<1.8, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 4442
Mean 0.03464
Std Dev 1.821
1.6<p_T<1.8, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 4598
Mean 0.01848
Std Dev 1.844
1.6<p_T<1.8, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 4526
Mean 0.09255
Std Dev 1.839
1.6<p_T<1.8, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 4387
Mean 0.08211
Std Dev 1.841
1.6<p_T<1.8, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 5593
Mean 0.06159
Std Dev 1.829
1.6<p_T<1.8, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 13925
Mean 0.001541
Std Dev 1.835
Data
MC
Counts
φ

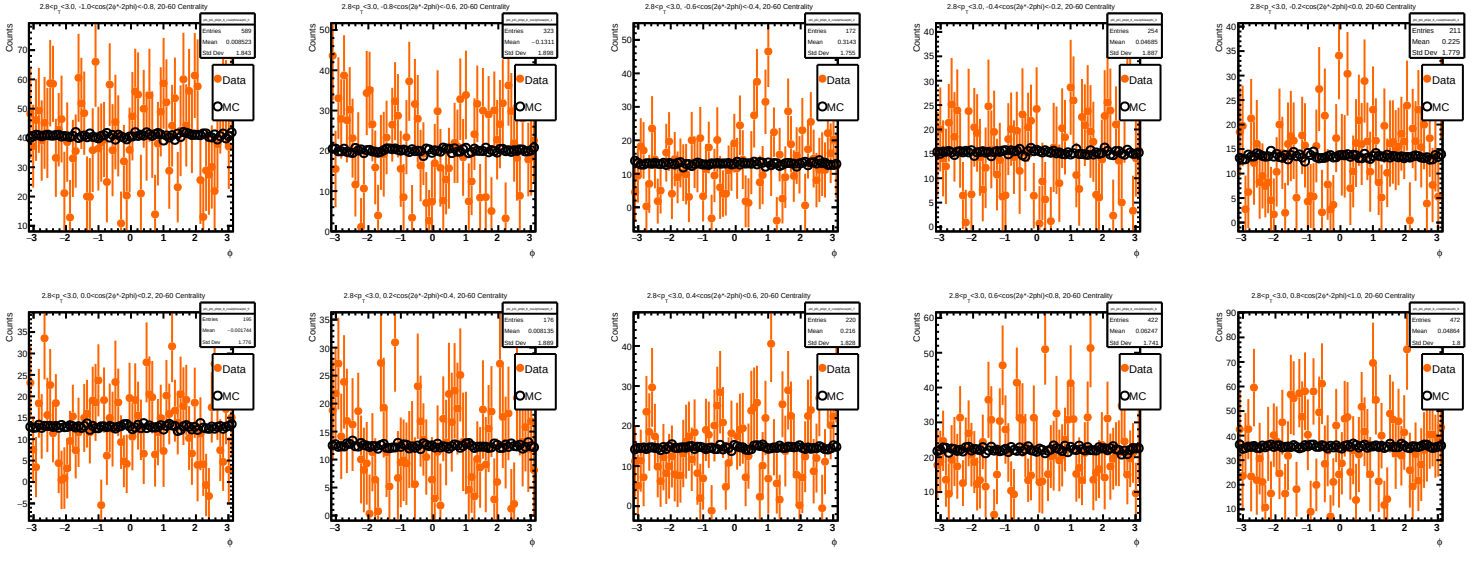

1.8<p_T<2.0, -1.0<cos(2ϕ^-2phi)<-0.8, 20-60 Centrality
Entries 10934
Mean 0.04351
Std Dev 1.845
1.8<p_T<2.0, -0.8<cos(2ϕ^-2phi)<-0.6, 20-60 Centrality
Entries 4564
Mean 0.03685
Std Dev 1.834
1.8<p_T<2.0, -0.6<cos(2ϕ^-2phi)<-0.4, 20-60 Centrality
Entries 3851
Mean 0.07446
Std Dev 1.83
1.8<p_T<2.0, -0.4<cos(2ϕ^-2phi)<-0.2, 20-60 Centrality
Entries 3146
Mean 0.08508
Std Dev 1.813
1.8<p_T<2.0, -0.2<cos(2ϕ^-2phi)<0.0, 20-60 Centrality
Entries 2955
Mean 0.07747
Std Dev 1.842
1.8<p_T<2.0, 0.0<cos(2ϕ^-2phi)<0.2, 20-60 Centrality
Entries 2676
Mean 0.02899
Std Dev 1.815
1.8<p_T<2.0, 0.2<cos(2ϕ^-2phi)<0.4, 20-60 Centrality
Entries 3090
Mean 0.009551
Std Dev 1.818
1.8<p_T<2.0, 0.4<cos(2ϕ^-2phi)<0.6, 20-60 Centrality
Entries 3298
Mean 0.08202
Std Dev 1.819
1.8<p_T<2.0, 0.6<cos(2ϕ^-2phi)<0.8, 20-60 Centrality
Entries 4205
Mean 0.03947
Std Dev 1.841
1.8<p_T<2.0, 0.8<cos(2ϕ^-2phi)<1.0, 20-60 Centrality
Entries 9494
Mean 0.04682
Std Dev 1.843
Data
MC
Counts
ϕ

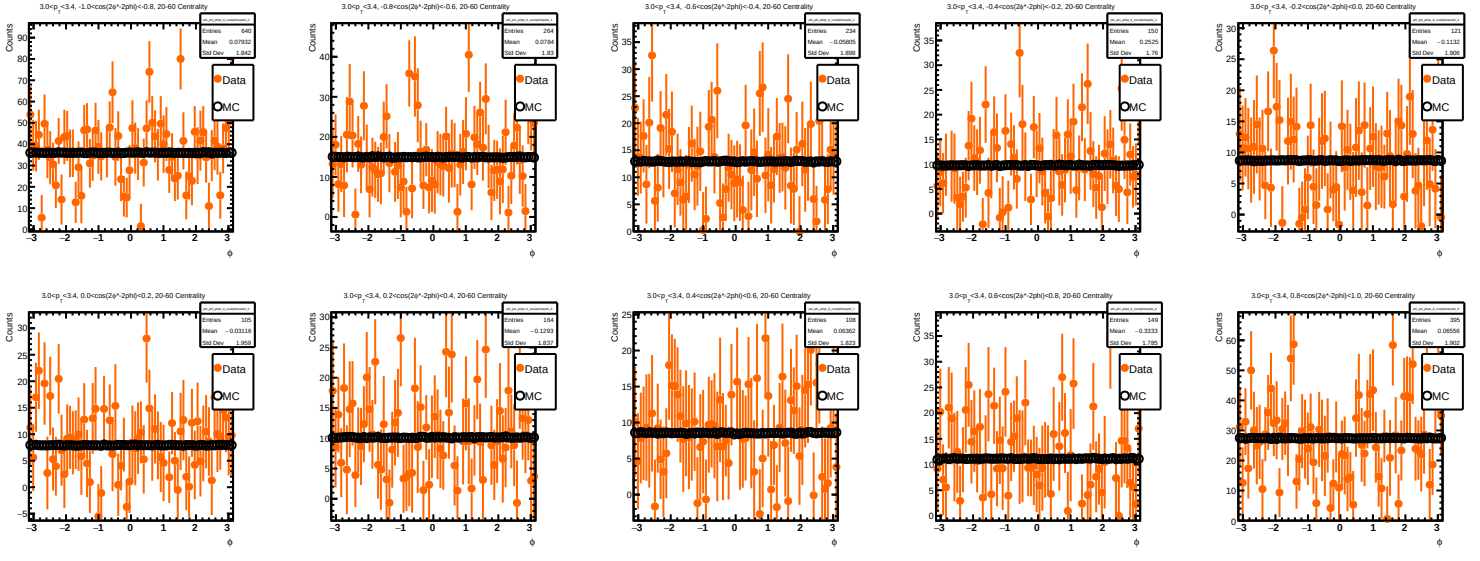

2.0<p_T<2.2, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Centrality
Entries 7013
Mean 0.01113
Std Dev 1.823
2.0<p_T<2.2, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Centrality
Entries 3207
Mean 0.03053
Std Dev 1.846
2.0<p_T<2.2, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Centrality
Entries 2372
Mean 0.02022
Std Dev 1.808
2.0<p_T<2.2, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Centrality
Entries 1752
Mean 0.0007985
Std Dev 1.833
2.0<p_T<2.2, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Centrality
Entries 1797
Mean −0.01243
Std Dev 1.822
2.0<p_T<2.2, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Centrality
Entries 1771
Mean −0.0089932
Std Dev 1.809
2.0<p_T<2.2, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Centrality
Entries 1831
Mean 0.02284
Std Dev 1.841
2.0<p_T<2.2, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Centrality
Entries 2018
Mean −0.0008762
Std Dev 1.867
2.0<p_T<2.2, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Centrality
Entries 2575
Mean 0.03667
Std Dev 1.835
2.0<p_T<2.2, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Centrality
Entries 5809
Mean 0.04761
Std Dev 1.835
Data
MC
Counts
ϕ

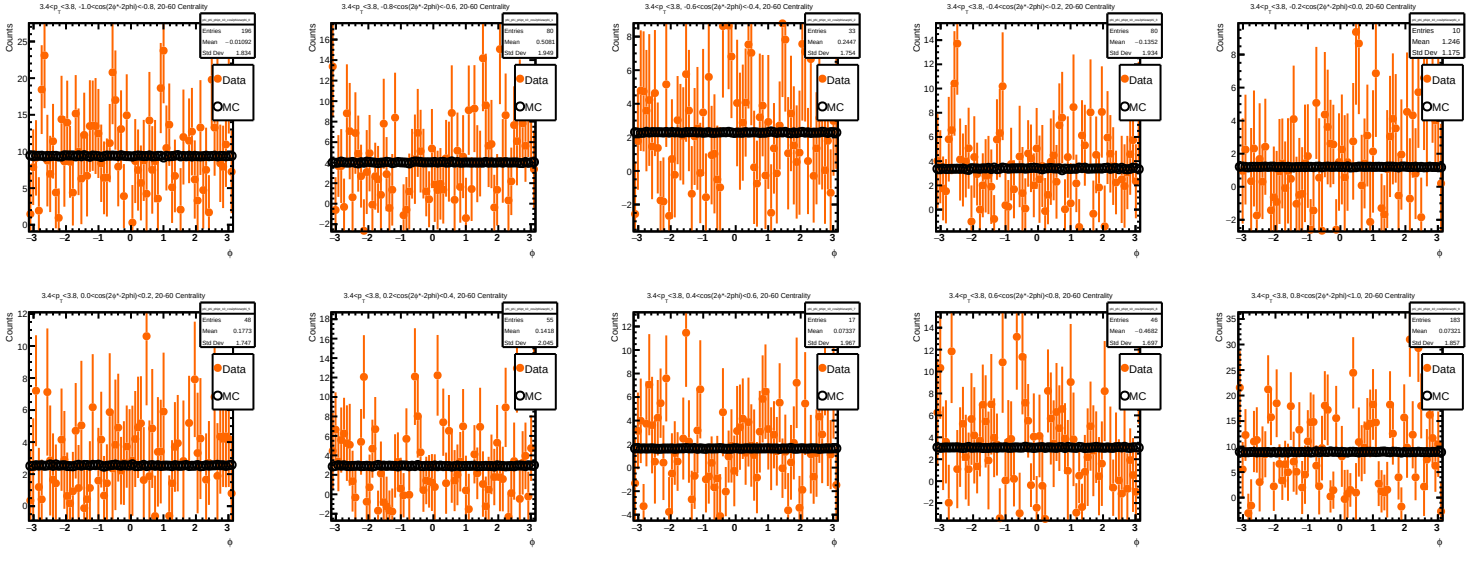

2.2<p_T<2.4, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Centrality
Entries 4440
Mean 0.05816
Std Dev 1.817
2.2<p_T<2.4, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Centrality
Entries 1878
Mean 0.02656
Std Dev 1.827
2.2<p_T<2.4, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Centrality
Entries 1509
Mean 0.03363
Std Dev 1.85
2.2<p_T<2.4, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Centrality
Entries 1112
Mean 0.01864
Std Dev 1.831
2.2<p_T<2.4, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Centrality
Entries 1113
Mean 0.1315
Std Dev 1.835
2.2<p_T<2.4, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Centrality
Entries 882
Mean 0.02983
Std Dev 1.818
2.2<p_T<2.4, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Centrality
Entries 1051
Mean 0.01854
Std Dev 1.848
2.2<p_T<2.4, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Centrality
Entries 1218
Mean 0.1111
Std Dev 1.841
2.2<p_T<2.4, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Centrality
Entries 1593
Mean 0.01835
Std Dev 1.841
2.2<p_T<2.4, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Centrality
Entries 3391
Mean 0.0617
Std Dev 1.826
Data
MC
Counts
ϕ

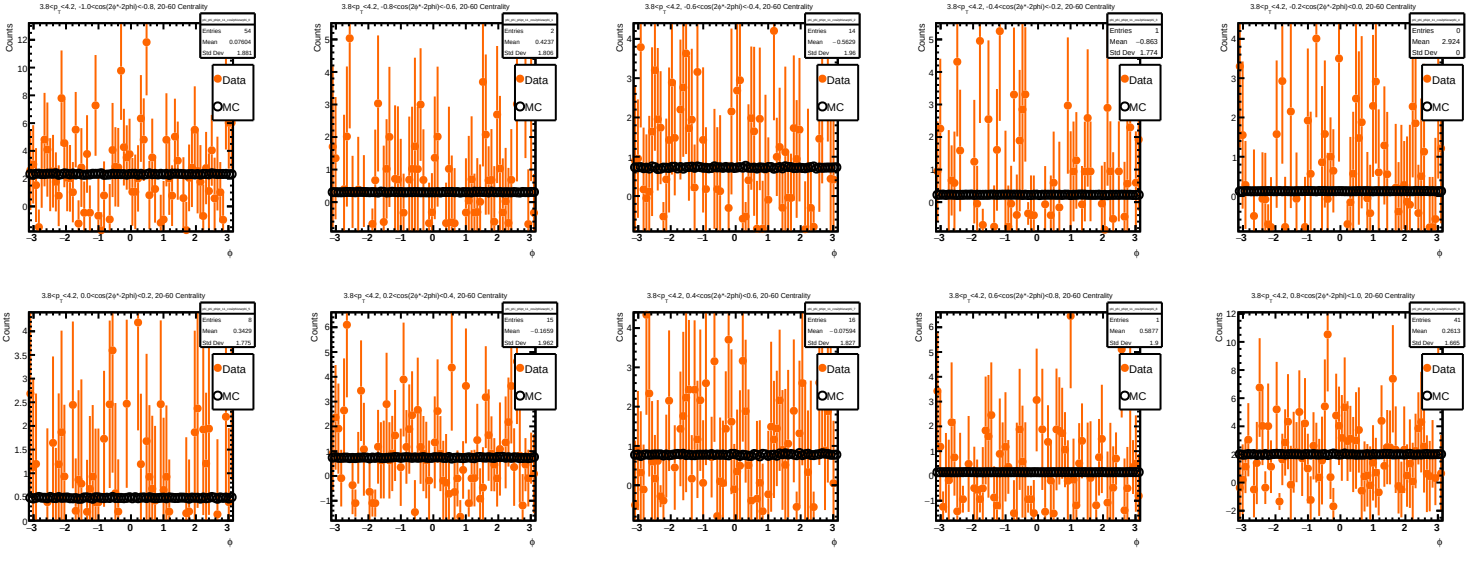

2.4<p_T<2.6, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Centrality
Entries 2272
Mean 0.03873
Std Dev 1.822
2.4<p_T<2.6, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Centrality
Entries 1165
Mean 0.03932
Std Dev 1.837
2.4<p_T<2.6, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Centrality
Entries 993
Mean 0.06211
Std Dev 1.816
2.4<p_T<2.6, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Centrality
Entries 768
Mean 0.01763
Std Dev 1.782
2.4<p_T<2.6, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Centrality
Entries 704
Mean 0.04462
Std Dev 1.823
2.4<p_T<2.6, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Centrality
Entries 767
Mean 0.1012
Std Dev 1.831
2.4<p_T<2.6, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Centrality
Entries 510
Mean −0.04695
Std Dev 1.881
2.4<p_T<2.6, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Centrality
Entries 680
Mean 0.01986
Std Dev 1.809
2.4<p_T<2.6, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Centrality
Entries 920
Mean 0.1164
Std Dev 1.82
2.4<p_T<2.6, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Centrality
Entries 1638
Mean 0.01034
Std Dev 1.831
Counts
ϕ
Data
MC


2.6<p_T<2.8, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Centrality
Entries 1256
Mean 0.03174
Std Dev 1.84
2.6<p_T<2.8, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Centrality
Entries 924
Mean -0.00460
Std Dev 1.827
2.6<p_T<2.8, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Centrality
Entries 425
Mean 0.2386
Std Dev 1.864
2.6<p_T<2.8, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Centrality
Entries 463
Mean 0.06925
Std Dev 1.896
2.6<p_T<2.8, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Centrality
Entries 324
Mean 0.0003466
Std Dev 1.764
2.6<p_T<2.8, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Centrality
Entries 275
Mean 0.01528
Std Dev 1.828
2.6<p_T<2.8, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Centrality
Entries 264
Mean 0.08627
Std Dev 1.879
2.6<p_T<2.8, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Centrality
Entries 403
Mean 0.1684
Std Dev 1.822
2.6<p_T<2.8, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Centrality
Entries 448
Mean 0.01158
Std Dev 1.822
2.6<p_T<2.8, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Centrality
Entries 1240
Mean -0.00036
Std Dev 1.824
Counts
ϕ
Data
MC


2.8<p_T<3.0, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 589
Mean 0.008523
Std Dev 1.843
2.8<p_T<3.0, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 323
Mean -0.1311
Std Dev 1.898
2.8<p_T<3.0, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 172
Mean 0.3143
Std Dev 1.755
2.8<p_T<3.0, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 254
Mean 0.04685
Std Dev 1.887
2.8<p_T<3.0, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 211
Mean 0.225
Std Dev 1.779
2.8<p_T<3.0, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 196
Mean -0.001744
Std Dev 1.776
2.8<p_T<3.0, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 176
Mean 0.008135
Std Dev 1.889
2.8<p_T<3.0, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 220
Mean 0.216
Std Dev 1.828
2.8<p_T<3.0, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 422
Mean 0.06247
Std Dev 1.741
2.8<p_T<3.0, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 472
Mean 0.04864
Std Dev 1.8
Counts
φ
Data
MC


3.0<p_T<3.4, -1.0<cos(2ϕ^-2phi)<-0.8, 20-60 Centrality
Entries 640
Mean 0.07932
Std Dev 1.842
3.0<p_T<3.4, -0.8<cos(2ϕ^-2phi)<-0.6, 20-60 Centrality
Entries 264
Mean 0.0784
Std Dev 1.83
3.0<p_T<3.4, -0.6<cos(2ϕ^-2phi)<-0.4, 20-60 Centrality
Entries 234
Mean −0.05805
Std Dev 1.898
3.0<p_T<3.4, -0.4<cos(2ϕ^-2phi)<-0.2, 20-60 Centrality
Entries 150
Mean 0.25,25
Std Dev 1.76
3.0<p_T<3.4, -0.2<cos(2ϕ^-2phi)<0.0, 20-60 Centrality
Entries 121
Mean −0.1132
Std Dev 1.906
3.0<p_T<3.4, 0.0<cos(2ϕ^-2phi)<0.2, 20-60 Centrality
Entries 105
Mean −0.03116
Std Dev 1.959
3.0<p_T<3.4, 0.2<cos(2ϕ^-2phi)<0.4, 20-60 Centrality
Entries 164
Mean −0.1293
Std Dev 1.837
3.0<p_T<3.4, 0.4<cos(2ϕ^-2phi)<0.6, 20-60 Centrality
Entries 108
Mean 0.06362
Std Dev 1.823
3.0<p_T<3.4, 0.6<cos(2ϕ^-2phi)<0.8, 20-60 Centrality
Entries 149
Mean −0.3333
Std Dev 1.785
3.0<p_T<3.4, 0.8<cos(2ϕ^-2phi)<1.0, 20-60 Centrality
Entries 395
Mean 0.06556
Std Dev 1.902
Counts
ϕ
Data
MC


3.4<p_T<3.8, -1.0<cos(2φ^-2phi)<-0.8, 20-60 Centrality
Entries 196
Mean −0.01092
Std Dev 1.834
3.4<p_T<3.8, -0.8<cos(2φ^-2phi)<-0.6, 20-60 Centrality
Entries 83
Mean 0.5081
Std Dev 1.949
3.4<p_T<3.8, -0.6<cos(2φ^-2phi)<-0.4, 20-60 Centrality
Entries 33
Mean 0.2447
Std Dev 1.754
3.4<p_T<3.8, -0.4<cos(2φ^-2phi)<-0.2, 20-60 Centrality
Entries 80
Mean −0.1352
Std Dev 1.934
3.4<p_T<3.8, -0.2<cos(2φ^-2phi)<0.0, 20-60 Centrality
Entries 10
Mean 1.246
Std Dev 1.175
3.4<p_T<3.8, 0.0<cos(2φ^-2phi)<0.2, 20-60 Centrality
Entries 48
Mean 0.1773
Std Dev 1.747
3.4<p_T<3.8, 0.2<cos(2φ^-2phi)<0.4, 20-60 Centrality
Entries 55
Mean 0.1418
Std Dev 2.045
3.4<p_T<3.8, 0.4<cos(2φ^-2phi)<0.6, 20-60 Centrality
Entries 17
Mean 0.07337
Std Dev 1.967
3.4<p_T<3.8, 0.6<cos(2φ^-2phi)<0.8, 20-60 Centrality
Entries 46
Mean −0.4682
Std Dev 1.697
3.4<p_T<3.8, 0.8<cos(2φ^-2phi)<1.0, 20-60 Centrality
Entries 183
Mean 0.07321
Std Dev 1.857
Data
MC
Counts
φ


3.8<p_T<4.2, -1.0<cos(2a^-2phi)<-0.8, 20-60 Centrality
Entries 54
Mean 0.07604
Std Dev 1.881
3.8<p_T<4.2, -0.8<cos(2a^-2phi)<-0.6, 20-60 Centrality
Entries 7
Mean 0.4237
Std Dev 1.866
3.8<p_T<4.2, -0.6<cos(2a^-2phi)<-0.4, 20-60 Centrality
Entries 14
Mean −0.5629
Std Dev 1.96
3.8<p_T<4.2, -0.4<cos(2a^-2phi)<-0.2, 20-60 Centrality
Entries 1
Mean −0.8663
Std Dev 1.774
3.8<p_T<4.2, -0.2<cos(2a^-2phi)<0.0, 20-60 Centrality
Entries 0
Mean 2.924
Std Dev 0
3.8<p_T<4.2, 0.0<cos(2a^-2phi)<0.2, 20-60 Centrality
Entries 8
Mean 0.3429
Std Dev 1.775
3.8<p_T<4.2, 0.2<cos(2a^-2phi)<0.4, 20-60 Centrality
Entries 15
Mean −0.1659
Std Dev 1.962
3.8<p_T<4.2, 0.4<cos(2a^-2phi)<0.6, 20-60 Centrality
Entries 16
Mean −0.07594
Std Dev 1.827
3.8<p_T<4.2, 0.6<cos(2a^-2phi)<0.8, 20-60 Centrality
Entries 1
Mean 0.5877
Std Dev 1.9
3.8<p_T<4.2, 0.8<cos(2a^-2phi)<1.0, 20-60 Centrality
Entries 41
Mean 0.2613
Std Dev 1.665
Counts
ϕ
Data
MC