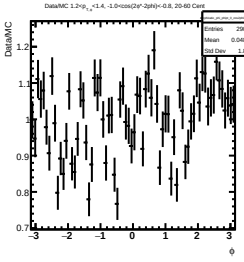
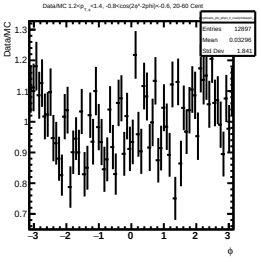
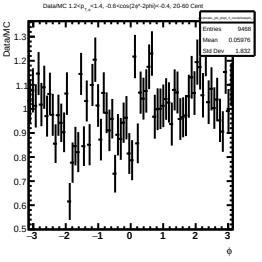
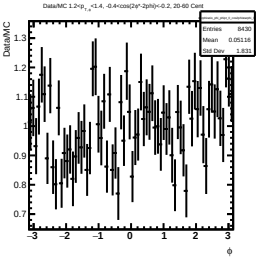
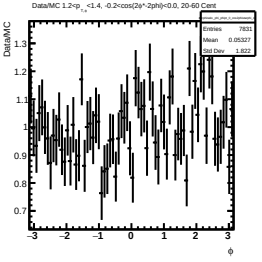
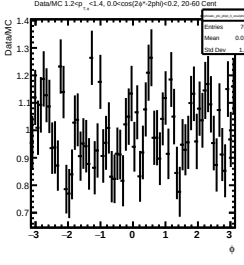

Data/MC 1.2<p_T,e<1.4, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Cent
Entries 29068
Mean 0.04884
Std Dev 1.827
Data/MC
ϕ

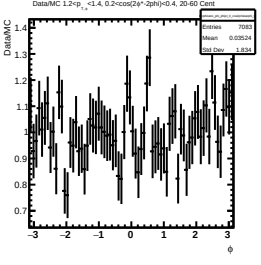

Data/MC 1.2<p_T,e<1.4, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Cent
Entries 12897
Mean 0.03298
Std Dev 1.841
Data/MC
ϕ

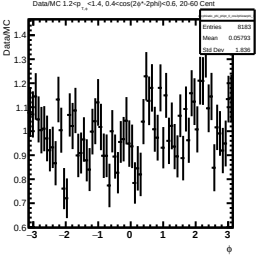

Data/MC 1.2<p_T,e<1.4, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Cent
Entries 9468
Mean 0.05976
Std Dev 1.832
Data/MC
ϕ

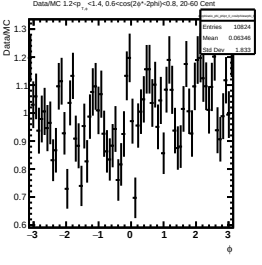

Data/MC 1.2<p_T,e<1.4, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Cent
Entries 8430
Mean 0.05118
Std Dev 1.831
Data/MC
ϕ

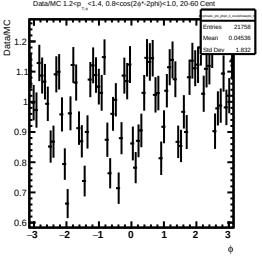

Data/MC 1.2<p_T,e<1.4, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Cent
Entries 7831
Mean 0.05327
Std Dev 1.822
Data/MC
ϕ

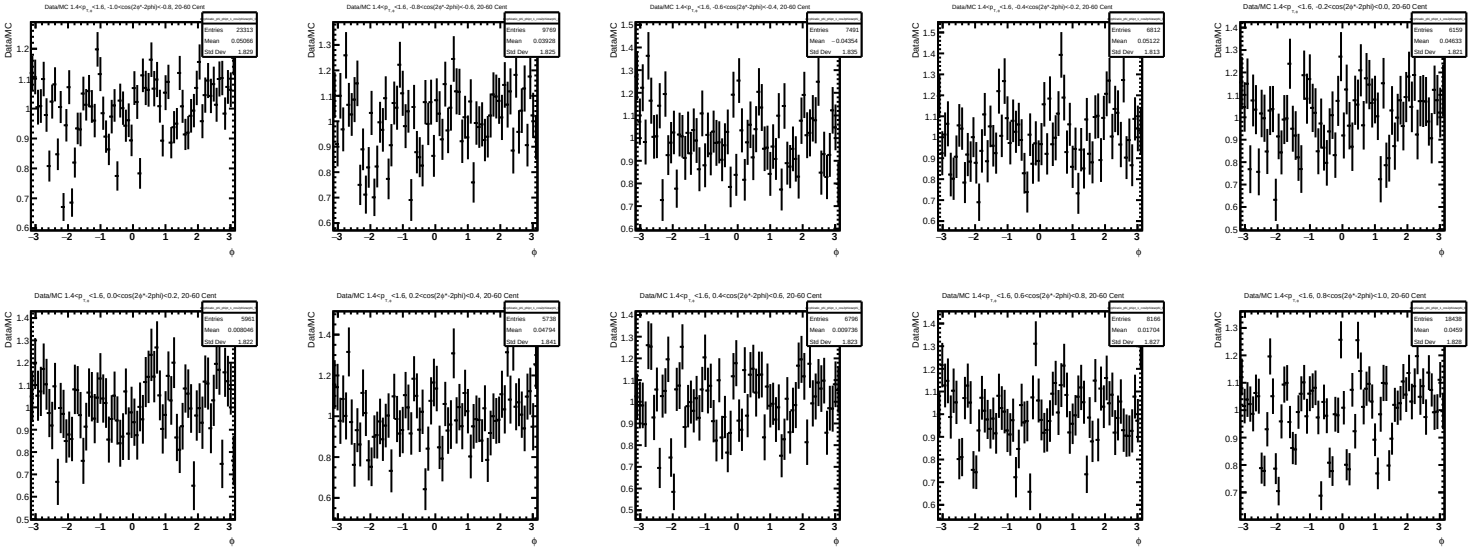

Data/MC 1.2<p_T,e<1.4, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Cent
Entries 7652
Mean 0.0143
Std Dev 1.831
Data/MC
ϕ

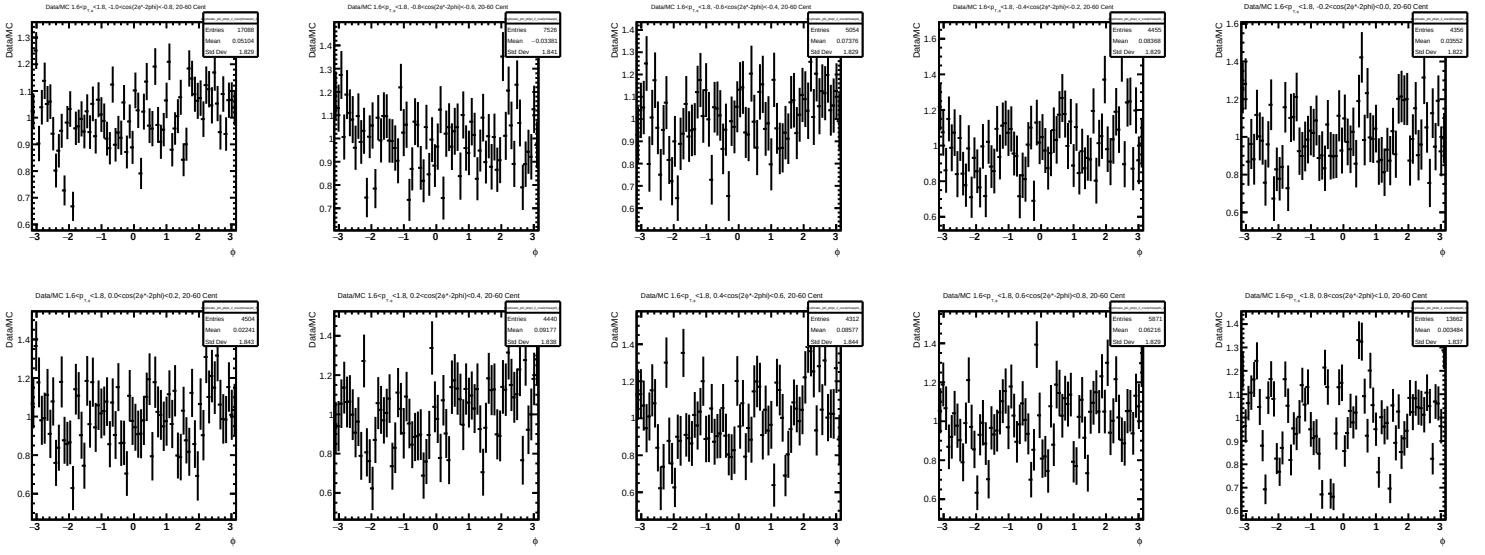

Data/MC 1.2<p_T,e<1.4, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Cent
Entries 7083
Mean 0.03524
Std Dev 1.834
Data/MC
ϕ

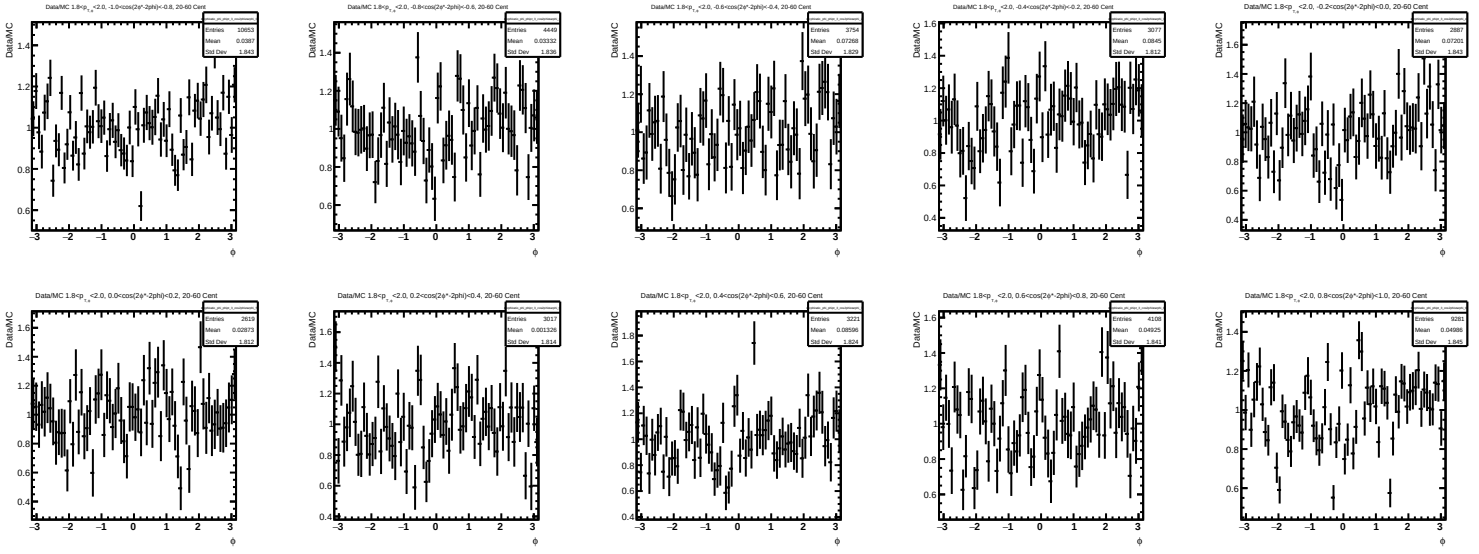

Data/MC 1.2<p_T,e<1.4, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Cent
Entries 8183
Mean 0.05793
Std Dev 1.836
Data/MC
ϕ

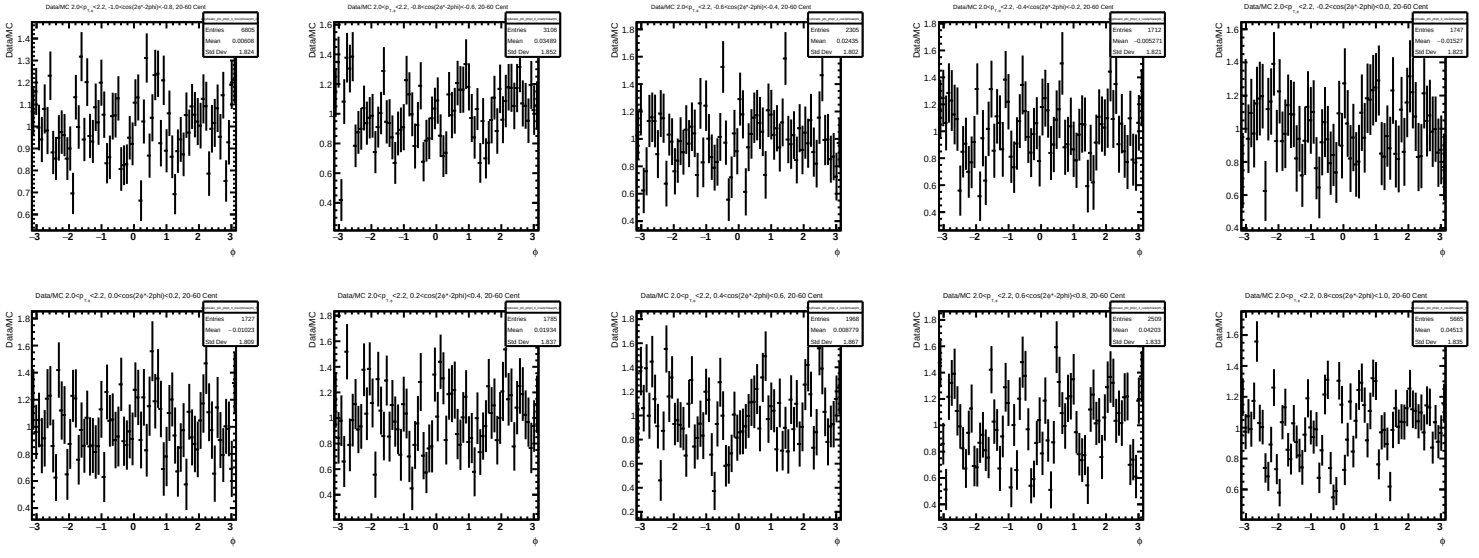

Data/MC 1.2<p_T,e<1.4, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Cent
Entries 10824
Mean 0.06346
Std Dev 1.833
Data/MC
ϕ

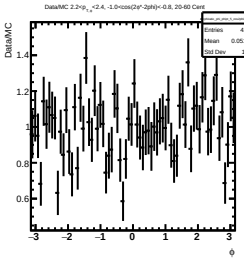

Data/MC 1.2<p_T,e<1.4, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Cent
Entries 21758
Mean 0.04536
Std Dev 1.832
Data/MC
ϕ

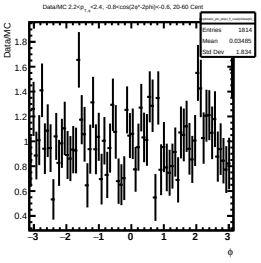

Data/MC 1.4<p_T,e<1.6, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Cent
Entries 23313
Mean 0.05066
Std Dev 1.829
Data/MC 1.4<p_T,e<1.6, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Cent
Entries 9769
Mean 0.03928
Std Dev 1.825
Data/MC 1.4<p_T,e<1.6, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Cent
Entries 7491
Mean −0.04354
Std Dev 1.835
Data/MC 1.4<p_T,e<1.6, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Cent
Entries 6812
Mean 0.05122
Std Dev 1.813
Data/MC 1.4<p_T,e<1.6, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Cent
Entries 6159
Mean 0.04633
Std Dev 1.821
Data/MC 1.4<p_T,e<1.6, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Cent
Entries 5961
Mean 0.008046
Std Dev 1.822
Data/MC 1.4<p_T,e<1.6, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Cent
Entries 5738
Mean 0.04794
Std Dev 1.841
Data/MC 1.4<p_T,e<1.6, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Cent
Entries 6796
Mean 0.009736
Std Dev 1.823
Data/MC 1.4<p_T,e<1.6, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Cent
Entries 8166
Mean 0.01704
Std Dev 1.827
Data/MC 1.4<p_T,e<1.6, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Cent
Entries 18438
Mean 0.0459
Std Dev 1.826
Data/MC
ϕ

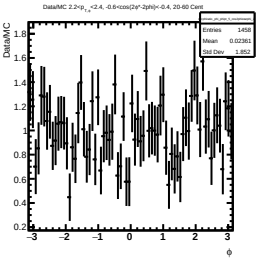

Data/MC 1.6<p_T,e<1.8, -1.0<cos(2ϕ^-2ϕhl)<-0.8, 20-60 Cent
Entries 17088
Mean 0.05104
Std Dev 1.829
Data/MC 1.6<p_T,e<1.8, -0.8<cos(2ϕ^-2ϕhl)<-0.6, 20-60 Cent
Entries 7526
Mean -0.03361
Std Dev 1.841
Data/MC 1.6<p_T,e<1.8, -0.6<cos(2ϕ^-2ϕhl)<-0.4, 20-60 Cent
Entries 5054
Mean 0.07375
Std Dev 1.829
Data/MC 1.6<p_T,e<1.8, -0.4<cos(2ϕ^-2ϕhl)<-0.2, 20-60 Cent
Entries 4455
Mean 0.08358
Std Dev 1.828
Data/MC 1.6<p_T,e<1.8, -0.2<cos(2ϕ^-2ϕhl)<0.0, 20-60 Cent
Entries 4358
Mean 0.03552
Std Dev 1.822
Data/MC 1.6<p_T,e<1.8, 0.0<cos(2ϕ^-2ϕhl)<0.2, 20-60 Cent
Entries 4504
Mean 0.02241
Std Dev 1.843
Data/MC 1.6<p_T,e<1.8, 0.2<cos(2ϕ^-2ϕhl)<0.4, 20-60 Cent
Entries 4440
Mean 0.09177
Std Dev 1.838
Data/MC 1.6<p_T,e<1.8, 0.4<cos(2ϕ^-2ϕhl)<0.6, 20-60 Cent
Entries 4312
Mean 0.08577
Std Dev 1.844
Data/MC 1.6<p_T,e<1.8, 0.6<cos(2ϕ^-2ϕhl)<0.8, 20-60 Cent
Entries 5871
Mean 0.06216
Std Dev 1.829
Data/MC 1.6<p_T,e<1.8, 0.8<cos(2ϕ^-2ϕhl)<1.0, 20-60 Cent
Entries 13992
Mean 0.003486
Std Dev 1.837
Data/MC
ϕ

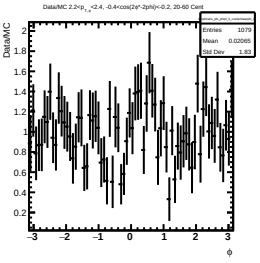

Data/MC 1.8<p_T_e<2.0, -1.0<cos(2ϕ^-2phi)<-0.8, 20-60 Cent
Entries 10653
Mean 0.0387
Std Dev 1.843
Data/MC 1.8<p_T_e<2.0, -0.8<cos(2ϕ^-2phi)<-0.6, 20-60 Cent
Entries 4449
Mean 0.03332
Std Dev 1.836
Data/MC 1.8<p_T_e<2.0, -0.6<cos(2ϕ^-2phi)<-0.4, 20-60 Cent
Entries 3754
Mean 0.07268
Std Dev 1.829
Data/MC 1.8<p_T_e<2.0, -0.4<cos(2ϕ^-2phi)<-0.2, 20-60 Cent
Entries 3077
Mean 0.0845
Std Dev 1.812
Data/MC 1.8<p_T_e<2.0, -0.2<cos(2ϕ^-2phi)<0.0, 20-60 Cent
Entries 2885
Mean 0.07201
Std Dev 1.841
Data/MC 1.8<p_T_e<2.0, 0.0<cos(2ϕ^-2phi)<0.2, 20-60 Cent
Entries 2619
Mean 0.02873
Std Dev 1.812
Data/MC 1.8<p_T_e<2.0, 0.2<cos(2ϕ^-2phi)<0.4, 20-60 Cent
Entries 3017
Mean 0.001326
Std Dev 1.814
Data/MC 1.8<p_T_e<2.0, 0.4<cos(2ϕ^-2phi)<0.6, 20-60 Cent
Entries 3221
Mean 0.08596
Std Dev 1.824
Data/MC 1.8<p_T_e<2.0, 0.6<cos(2ϕ^-2phi)<0.8, 20-60 Cent
Entries 4108
Mean 0.04925
Std Dev 1.841
Data/MC 1.8<p_T_e<2.0, 0.8<cos(2ϕ^-2phi)<1.0, 20-60 Cent
Entries 9281
Mean 0.04986
Std Dev 1.845
Data/MC
ϕ

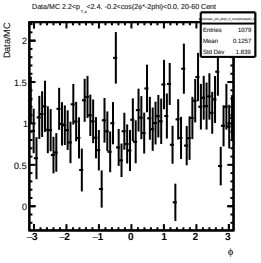

Data/MC 2.0<p_T,e<2.2, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Cent
Entries 6805
Mean 0.09608
Std Dev 1.824
Data/MC 2.0<p_T,e<2.2, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Cent
Entries 3106
Mean 0.03469
Std Dev 1.852
Data/MC 2.0<p_T,e<2.2, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Cent
Entries 2305
Mean 0.02435
Std Dev 1.802
Data/MC 2.0<p_T,e<2.2, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Cent
Entries 1712
Mean −0.00527i
Std Dev 1.821
Data/MC 2.0<p_T,e<2.2, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Cent
Entries 1747
Mean −0.01527
Std Dev 1.823
Data/MC 2.0<p_T,e<2.2, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Cent
Entries 1727
Mean −0.01023
Std Dev 1.809
Data/MC 2.0<p_T,e<2.2, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Cent
Entries 1785
Mean 0.01934
Std Dev 1.837
Data/MC 2.0<p_T,e<2.2, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Cent
Entries 1968
Mean 0.008779
Std Dev 1.867
Data/MC 2.0<p_T,e<2.2, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Cent
Entries 2509
Mean 0.04203
Std Dev 1.823
Data/MC 2.0<p_T,e<2.2, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Cent
Entries 5665
Mean 0.04513
Std Dev 1.835
Data/MC
ϕ

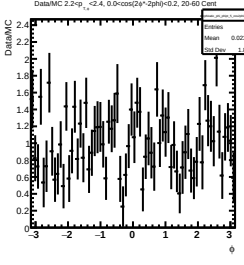

Data/MC 2.2<p_T,e<2.4, -1.0<cos(2ϕ^-2ϕhl)<-0.8, 20-60 Cent
Entries 4285
Mean 0.05145
Std Dev 1.82
Data/MC
ϕ

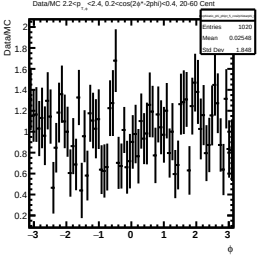

Data/MC 2.2<p_T,e<2.4, -0.8<cos(2ϕ^-2ϕhl)<-0.6, 20-60 Cent
Entries 1814
Mean 0.03485
Std Dev 1.834
Data/MC
ϕ

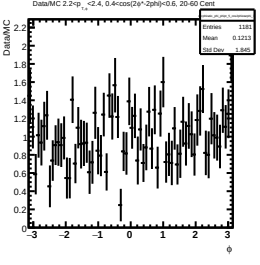

Data/MC 2.2<p_T,e<2.4, -0.6<cos(2ϕ^-2ϕhl)<-0.4, 20-60 Cent
Entries 1458
Mean 0.02361
Std Dev 1.852
Data/MC
ϕ

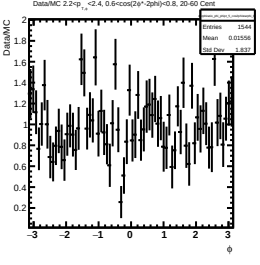

Data/MC 2.2<p_T,e<2.4, -0.4<cos(2ϕ^-2ϕhl)<-0.2, 20-60 Cent
Entries 1079
Mean 0.02065
Std Dev 1.83
Data/MC
ϕ

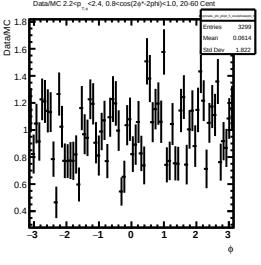

Data/MC 2.2<p_T,e<2.4, -0.2<cos(2ϕ^-2ϕhl)<0.0, 20-60 Cent
Entries 1079
Mean 0.1257
Std Dev 1.839
Data/MC
ϕ

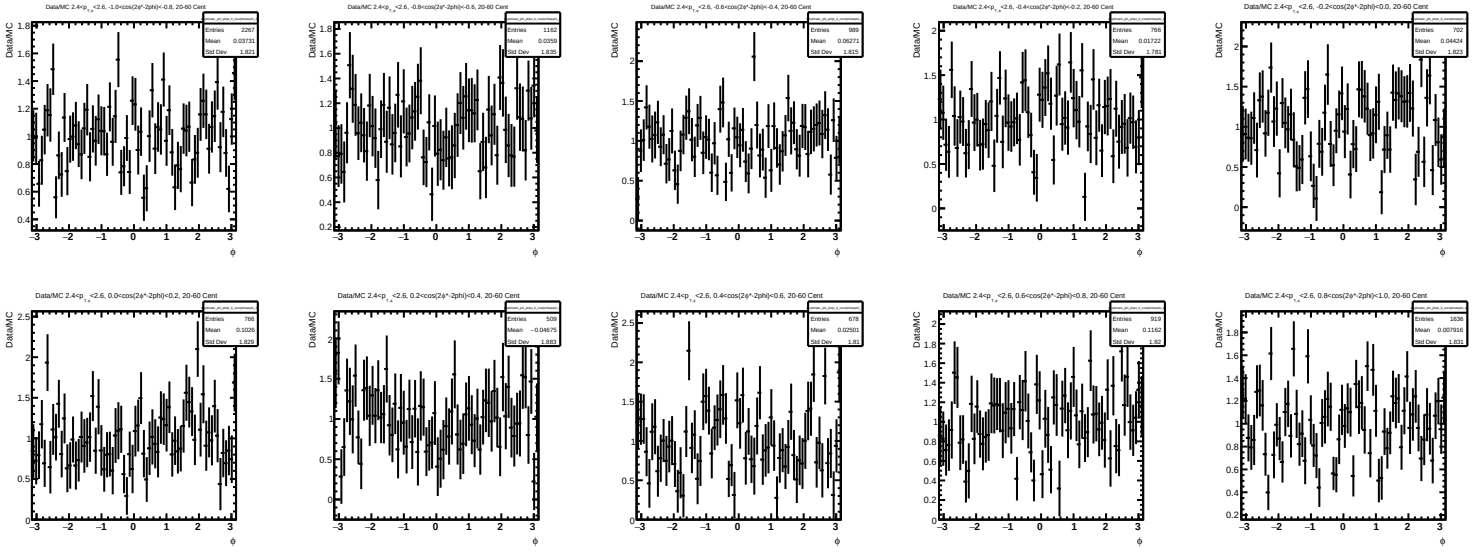

Data/MC 2.2<p_T,e<2.4, 0.0<cos(2ϕ^-2ϕhl)<0.2, 20-60 Cent
Entries 861
Mean 0.02359
Std Dev 1.822
Data/MC
ϕ

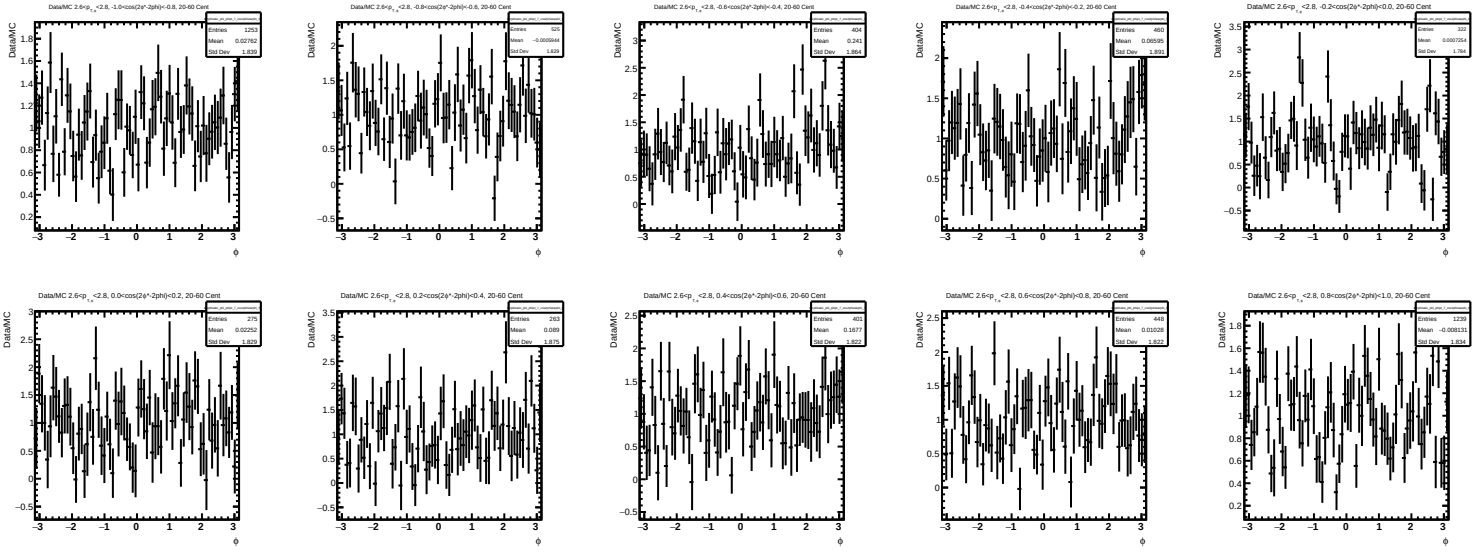

Data/MC 2.2<p_T,e<2.4, 0.2<cos(2ϕ^-2ϕhl)<0.4, 20-60 Cent
Entries 1020
Mean 0.02548
Std Dev 1.848
Data/MC
ϕ

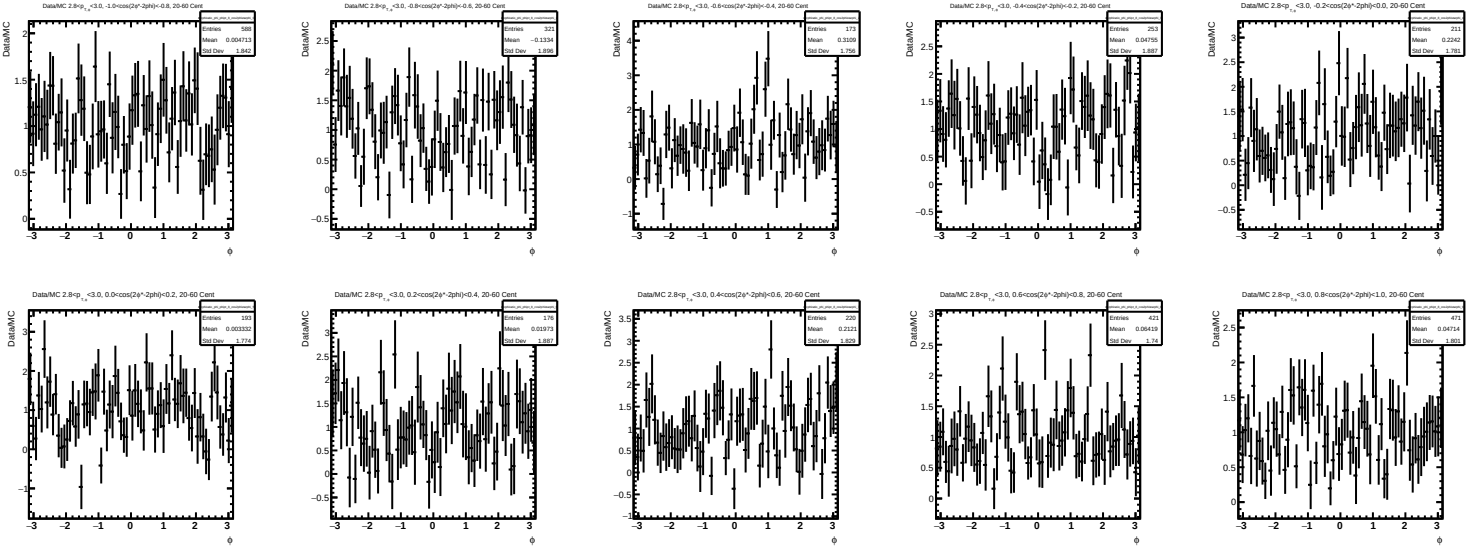

Data/MC 2.2<p_T,e<2.4, 0.4<cos(2ϕ^-2ϕhl)<0.6, 20-60 Cent
Entries 1181
Mean 0.1213
Std Dev 1.845
Data/MC
ϕ

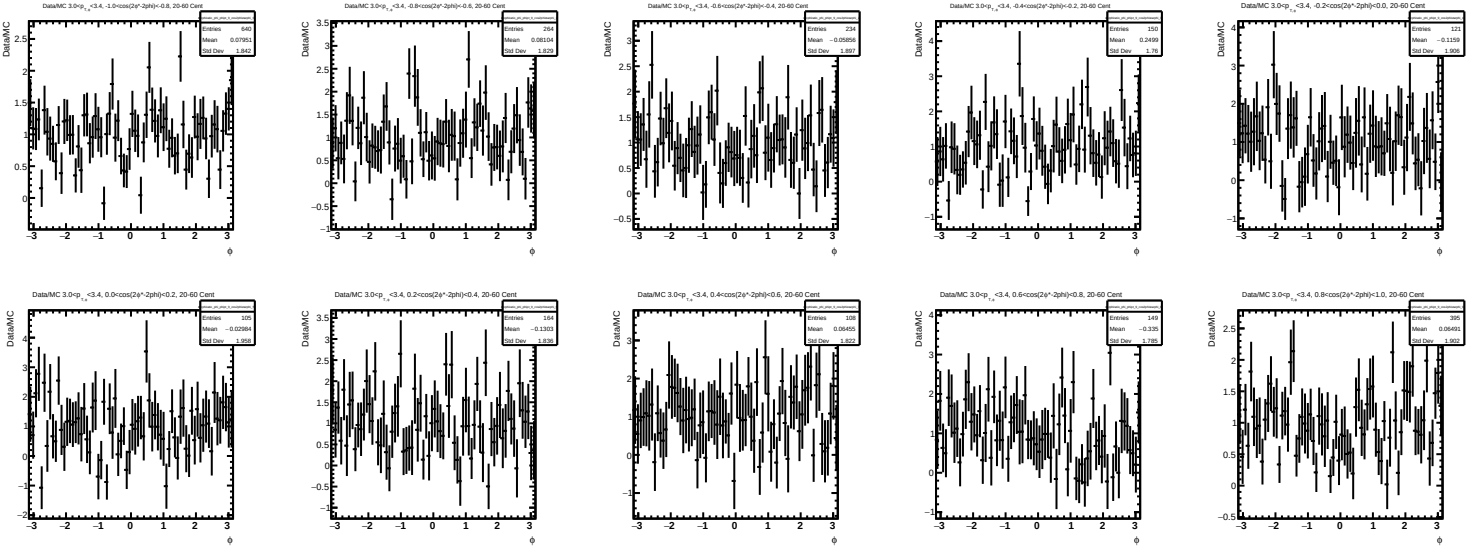

Data/MC 2.2<p_T,e<2.4, 0.6<cos(2ϕ^-2ϕhl)<0.8, 20-60 Cent
Entries 1544
Mean 0.01556
Std Dev 1.827
Data/MC
ϕ

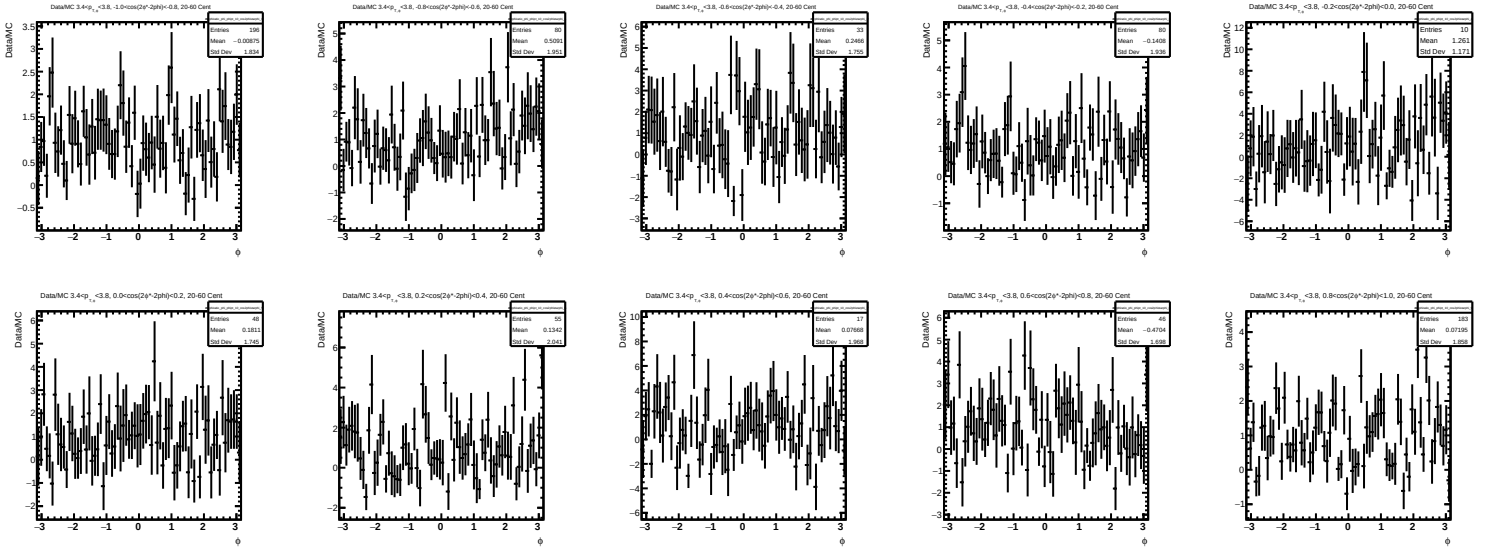

Data/MC 2.2<p_T,e<2.4, 0.8<cos(2ϕ^-2ϕhl)<1.0, 20-60 Cent
Entries 3299
Mean 0.0614
Std Dev 1.822
Data/MC
ϕ

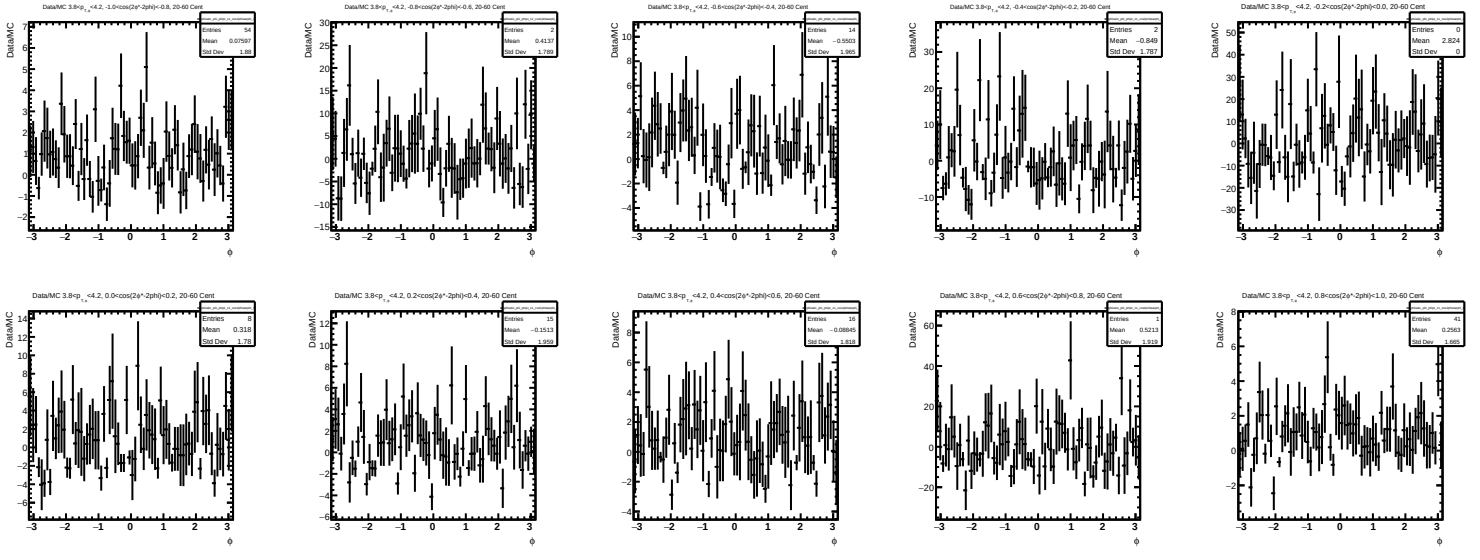

Data/MC 2.4<p_T,e<2.6, -1.0<cos(2ϕ^-2phi)<-0.8, 20-60 Cent
Entries 2267
Mean 0.03731
Std Dev 1.821
Data/MC 2.4<p_T,e<2.6, -0.8<cos(2ϕ^-2phi)<-0.6, 20-60 Cent
Entries 1162
Mean 0.0359
Std Dev 1.835
Data/MC 2.4<p_T,e<2.6, -0.6<cos(2ϕ^-2phi)<-0.4, 20-60 Cent
Entries 989
Mean 0.06271
Std Dev 1.815
Data/MC 2.4<p_T,e<2.6, -0.4<cos(2ϕ^-2phi)<-0.2, 20-60 Cent
Entries 793
Mean 0.01722
Std Dev 1.781
Data/MC 2.4<p_T,e<2.6, -0.2<cos(2ϕ^-2phi)<0.0, 20-60 Cent
Entries 792
Mean 0.04424
Std Dev 1.823
Data/MC 2.4<p_T,e<2.6, 0.0<cos(2ϕ^-2phi)<0.2, 20-60 Cent
Entries 766
Mean 0.1026
Std Dev 1.829
Data/MC 2.4<p_T,e<2.6, 0.2<cos(2ϕ^-2phi)<0.4, 20-60 Cent
Entries 509
Mean −0.04675
Std Dev 1.883
Data/MC 2.4<p_T,e<2.6, 0.4<cos(2ϕ^-2phi)<0.6, 20-60 Cent
Entries 678
Mean 0.02501
Std Dev 1.81
Data/MC 2.4<p_T,e<2.6, 0.6<cos(2ϕ^-2phi)<0.8, 20-60 Cent
Entries 913
Mean 0.1162
Std Dev 1.82
Data/MC 2.4<p_T,e<2.6, 0.8<cos(2ϕ^-2phi)<1.0, 20-60 Cent
Entries 1636
Mean 0.007916
Std Dev 1.831
Data/MC
ϕ


Data/MC 2.6<p_T,a<2.8, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Cent
Entries 1253
Mean 0.02762
Std Dev 1.839
Data/MC 2.6<p_T,a<2.8, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Cent
Entries 520
Mean −0.00059/dd
Std Dev 1.829
Data/MC 2.6<p_T,a<2.8, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Cent
Entries 404
Mean 0.2241
Std Dev 1.864
Data/MC 2.6<p_T,a<2.8, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Cent
Entries 460
Mean 0.08595
Std Dev 1.891
Data/MC 2.6<p_T,a<2.8, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Cent
Entries 332
Mean 0.0007254
Std Dev 1.764
Data/MC 2.6<p_T,a<2.8, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Cent
Entries 275
Mean 0.02252
Std Dev 1.829
Data/MC 2.6<p_T,a<2.8, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Cent
Entries 263
Mean 0.089
Std Dev 1.875
Data/MC 2.6<p_T,a<2.8, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Cent
Entries 401
Mean 0.1677
Std Dev 1.822
Data/MC 2.6<p_T,a<2.8, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Cent
Entries 448
Mean 0.01028
Std Dev 1.822
Data/MC 2.6<p_T,a<2.8, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Cent
Entries 1239
Mean −0.008131
Std Dev 1.834
Data/MC
ϕ


Data/MC 2.8<p_T,h<3.0, -1.0<cos(2ϕ^-2ϕhl)<-0.8, 20-60 Cent
Entries 588
Mean 0.00413
Std Dev 1.842
Data/MC 2.8<p_T,h<3.0, -0.8<cos(2ϕ^-2ϕhl)<-0.6, 20-60 Cent
Entries 321
Mean -0.1334
Std Dev 1.898
Data/MC 2.8<p_T,h<3.0, -0.6<cos(2ϕ^-2ϕhl)<-0.4, 20-60 Cent
Entries 173
Mean 0.3109
Std Dev 1.756
Data/MC 2.8<p_T,h<3.0, -0.4<cos(2ϕ^-2ϕhl)<-0.2, 20-60 Cent
Entries 253
Mean 0.04755
Std Dev 1.887
Data/MC 2.8<p_T,h<3.0, -0.2<cos(2ϕ^-2ϕhl)<0.0, 20-60 Cent
Entries 211
Mean 0.2242
Std Dev 1.781
Data/MC 2.8<p_T,h<3.0, 0.0<cos(2ϕ^-2ϕhl)<0.2, 20-60 Cent
Entries 193
Mean 0.003332
Std Dev 1.774
Data/MC 2.8<p_T,h<3.0, 0.2<cos(2ϕ^-2ϕhl)<0.4, 20-60 Cent
Entries 176
Mean 0.01973
Std Dev 1.887
Data/MC 2.8<p_T,h<3.0, 0.4<cos(2ϕ^-2ϕhl)<0.6, 20-60 Cent
Entries 220
Mean 0.2121
Std Dev 1.829
Data/MC 2.8<p_T,h<3.0, 0.6<cos(2ϕ^-2ϕhl)<0.8, 20-60 Cent
Entries 421
Mean 0.06419
Std Dev 1.74
Data/MC 2.8<p_T,h<3.0, 0.8<cos(2ϕ^-2ϕhl)<1.0, 20-60 Cent
Entries 471
Mean 0.04714
Std Dev 1.801
Data/MC
ϕ


Data/MC 3.0<p_T,e<3.4, -1.0<cos(2ϕ^-2phi)<-0.8, 20-60 Cent
Entries 640
Mean 0.07951
Std Dev 1.842
Data/MC 3.0<p_T,e<3.4, -0.8<cos(2ϕ^-2phi)<-0.6, 20-60 Cent
Entries 264
Mean 0.08104
Std Dev 1.829
Data/MC 3.0<p_T,e<3.4, -0.6<cos(2ϕ^-2phi)<-0.4, 20-60 Cent
Entries 234
Mean −0.05856
Std Dev 1.897
Data/MC 3.0<p_T,e<3.4, -0.4<cos(2ϕ^-2phi)<-0.2, 20-60 Cent
Entries 150
Mean 0.2459
Std Dev 1.76
Data/MC 3.0<p_T,e<3.4, -0.2<cos(2ϕ^-2phi)<0.0, 20-60 Cent
Entries 121
Mean −0.1159
Std Dev 1.906
Data/MC 3.0<p_T,e<3.4, 0.0<cos(2ϕ^-2phi)<0.2, 20-60 Cent
Entries 105
Mean −0.02984
Std Dev 1.958
Data/MC 3.0<p_T,e<3.4, 0.2<cos(2ϕ^-2phi)<0.4, 20-60 Cent
Entries 164
Mean −0.1303
Std Dev 1.836
Data/MC 3.0<p_T,e<3.4, 0.4<cos(2ϕ^-2phi)<0.6, 20-60 Cent
Entries 108
Mean 0.06455
Std Dev 1.822
Data/MC 3.0<p_T,e<3.4, 0.6<cos(2ϕ^-2phi)<0.8, 20-60 Cent
Entries 149
Mean −0.335
Std Dev 1.785
Data/MC 3.0<p_T,e<3.4, 0.8<cos(2ϕ^-2phi)<1.0, 20-60 Cent
Entries 395
Mean 0.06491
Std Dev 1.901
Data/MC
ϕ


Data/MC 3.4<p_T,e<3.8, -1.0<cos(2ϕ^-2ϕh)<-0.8, 20-60 Cent
Entries 196
Mean −0.00875
Std Dev 1.834
Data/MC 3.4<p_T,e<3.8, -0.8<cos(2ϕ^-2ϕh)<-0.6, 20-60 Cent
Entries 60
Mean 0.5051
Std Dev 1.951
Data/MC 3.4<p_T,e<3.8, -0.6<cos(2ϕ^-2ϕh)<-0.4, 20-60 Cent
Entries 33
Mean 0.2466
Std Dev 1.755
Data/MC 3.4<p_T,e<3.8, -0.4<cos(2ϕ^-2ϕh)<-0.2, 20-60 Cent
Entries 82
Mean −0.1408
Std Dev 1.938
Data/MC 3.4<p_T,e<3.8, -0.2<cos(2ϕ^-2ϕh)<0.0, 20-60 Cent
Entries 10
Mean 1.261
Std Dev 1.171
Data/MC 3.4<p_T,e<3.8, 0.0<cos(2ϕ^-2ϕh)<0.2, 20-60 Cent
Entries 48
Mean 0.1811
Std Dev 1.745
Data/MC 3.4<p_T,e<3.8, 0.2<cos(2ϕ^-2ϕh)<0.4, 20-60 Cent
Entries 55
Mean 0.1342
Std Dev 2.041
Data/MC 3.4<p_T,e<3.8, 0.4<cos(2ϕ^-2ϕh)<0.6, 20-60 Cent
Entries 17
Mean 0.07668
Std Dev 1.968
Data/MC 3.4<p_T,e<3.8, 0.6<cos(2ϕ^-2ϕh)<0.8, 20-60 Cent
Entries 46
Mean −0.4704
Std Dev 1.698
Data/MC 3.4<p_T,e<3.8, 0.8<cos(2ϕ^-2ϕh)<1.0, 20-60 Cent
Entries 183
Mean 0.07195
Std Dev 1.858
Data/MC
ϕ


Data/MC 3.8<p_T,e <4.2, -1.0<cos(2ϕ^-2phi)<-0.8, 20-60 Cent
Entries 54
Mean 0.0797
Std Dev 1.88
Data/MC 3.8<p_T,e <4.2, -0.8<cos(2ϕ^-2phi)<-0.6, 20-60 Cent
Entries 2
Mean 0.4137
Std Dev 1.769
Data/MC 3.8<p_T,e <4.2, -0.6<cos(2ϕ^-2phi)<-0.4, 20-60 Cent
Entries 14
Mean −0.5503
Std Dev 1.965
Data/MC 3.8<p_T,e <4.2, -0.4<cos(2ϕ^-2phi)<-0.2, 20-60 Cent
Entries 2
Mean −0.849
Std Dev 1.787
Data/MC 3.8<p_T,e <4.2, -0.2<cos(2ϕ^-2phi)<0.0, 20-60 Cent
Entries 0
Mean 2.824
Std Dev 0
Data/MC 3.8<p_T,e <4.2, 0.0<cos(2ϕ^-2phi)<0.2, 20-60 Cent
Entries 8
Mean 0.318
Std Dev 1.78
Data/MC 3.8<p_T,e <4.2, 0.2<cos(2ϕ^-2phi)<0.4, 20-60 Cent
Entries 15
Mean −0.1513
Std Dev 1.959
Data/MC 3.8<p_T,e <4.2, 0.4<cos(2ϕ^-2phi)<0.6, 20-60 Cent
Entries 16
Mean −0.08845
Std Dev 1.818
Data/MC 3.8<p_T,e <4.2, 0.6<cos(2ϕ^-2phi)<0.8, 20-60 Cent
Entries 1
Mean 0.5213
Std Dev 1.912
Data/MC 3.8<p_T,e <4.2, 0.8<cos(2ϕ^-2phi)<1.0, 20-60 Cent
Entries 41
Mean 0.2563
Std Dev 1.695
Data/MC
ϕ