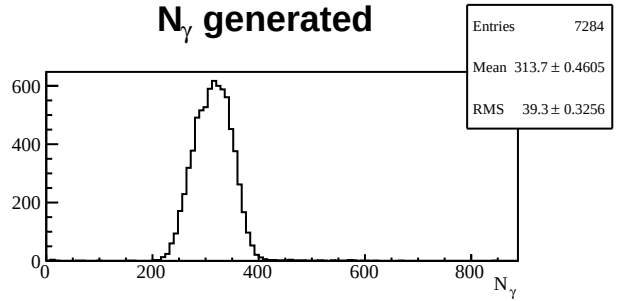
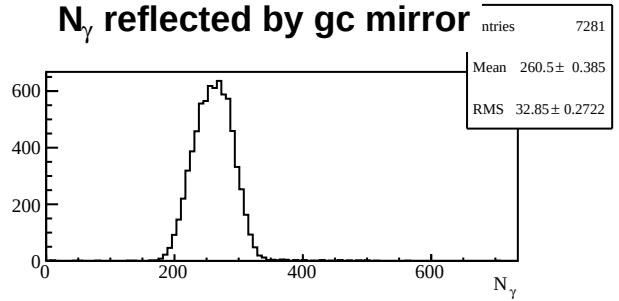
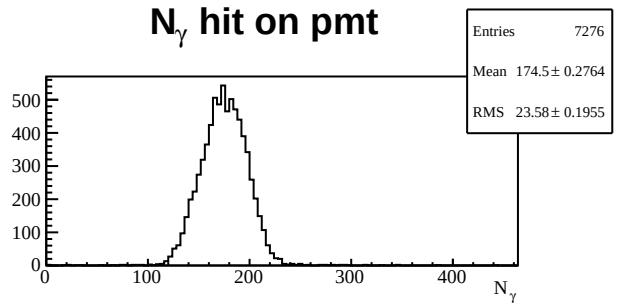
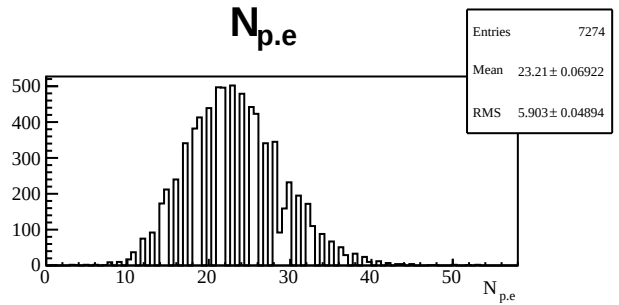
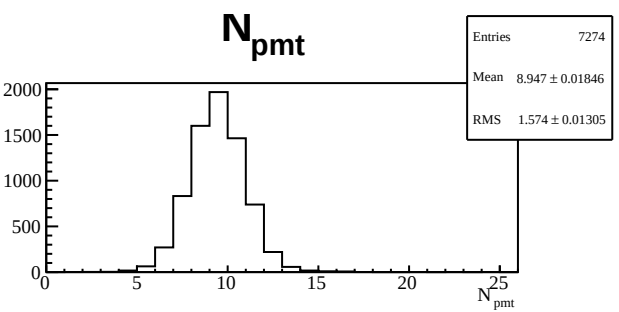
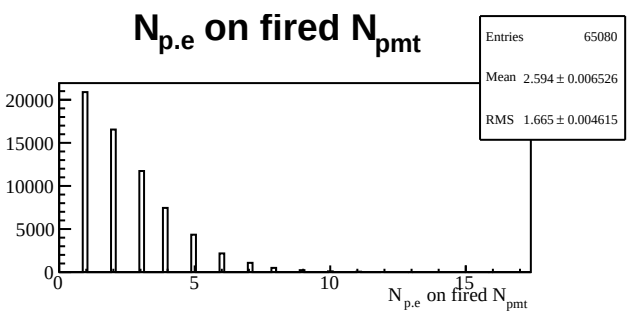

N_γ generated
Entries 7284
Mean 313.7 ± 0.4605
RMS 39.3 ± 0.3256
N_γ

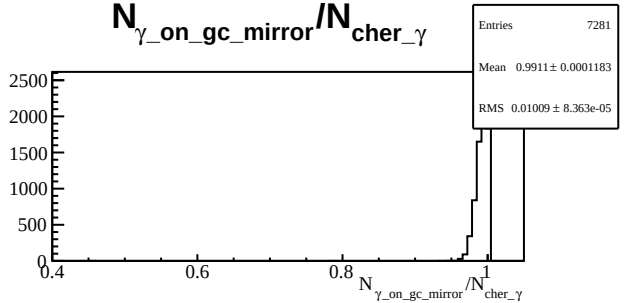

N_γ reflected by gc mirror
ntries 7281
Mean 260.5 ± 0.385
RMS 32.85 ± 0.2722
N_γ

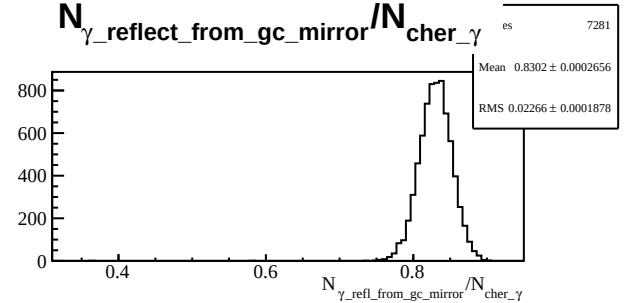

N_γ hit on pmt
Entries 7276
Mean 174.5 ± 0.2764
RMS 23.58 ± 0.1955
N_γ

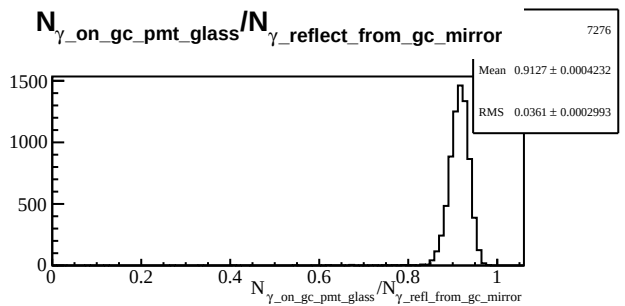

$N_{p.e}$
Entries 7274
Mean 23.21 ± 0.06922
RMS 5.903 ± 0.04894
$N_{p.e}$

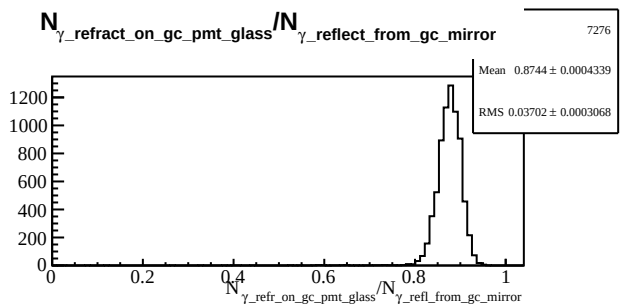

N_{pmt}
Entries 7274
Mean 8.947 ± 0.01846
RMS 1.574 ± 0.01305
N_{pmt}

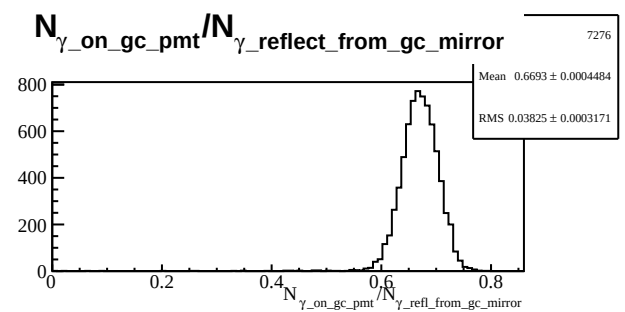

$N_{p.e}$ on fired N_{pmt}
Entries 65080
Mean 2.594 ± 0.006526
RMS 1.665 ± 0.004615
$N_{p.e}$ on fired N_{pmt}

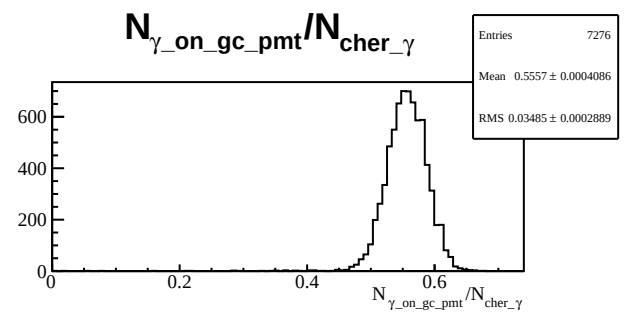

$N_{\gamma\_on\_gc\_mirror}/N_{cher\_\gamma}$
Entries 7281
Mean 0.9911 ± 0.0001183
RMS 0.01009 ± 8.363e-05
$N_{\gamma\_on\_gc\_mirror}/N_{cher\_\gamma}$

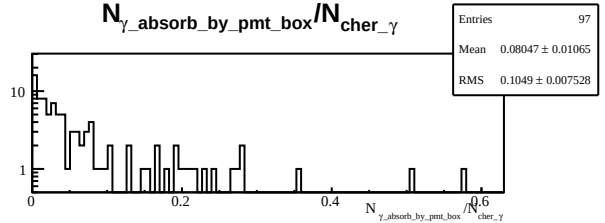

$N_{\gamma\_reflect\_from\_gc\_mirror}/N_{cher\_\gamma}$
Entries 7281
Mean 0.8302 ± 0.0002656
RMS 0.02266 ± 0.0001878
$N_{\gamma\_refl\_from\_gc\_mirror}/N_{cher\_\gamma}$

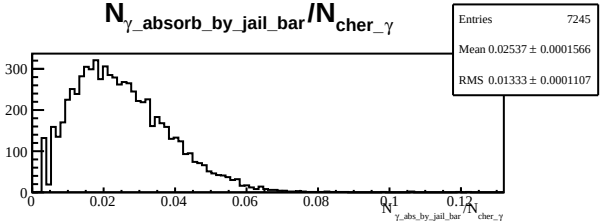

$N_{\gamma\_on\_gc\_pmt\_glass}/N_{\gamma\_reflect\_from\_gc\_mirror}$
7276
Mean 0.9127 ± 0.0004232
RMS 0.0361 ± 0.0002993
$N_{\gamma\_on\_gc\_pmt\_glass}/N_{\gamma\_refl\_from\_gc\_mirror}$

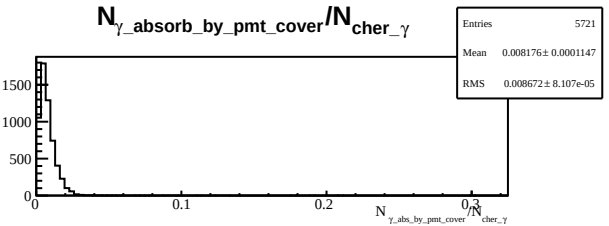

$N_{\gamma\_refract\_on\_gc\_pmt\_glass}/N_{\gamma\_reflect\_from\_gc\_mirror}$
7276
Mean 0.8744 ± 0.0004339
RMS 0.03702 ± 0.0003068
$N_{\gamma\_refr\_on\_gc\_pmt\_glass}/N_{\gamma\_refl\_from\_gc\_mirror}$

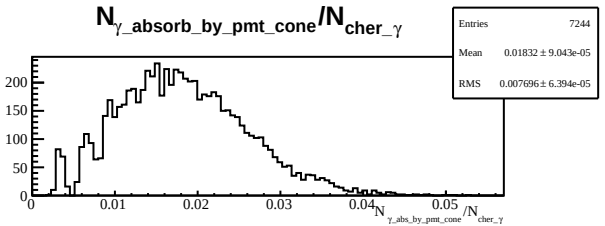

$N_{\gamma\_on\_gc\_pmt}/N_{\gamma\_reflect\_from\_gc\_mirror}$
7276
Mean 0.6693 ± 0.0004484
RMS 0.03825 ± 0.0003171
$N_{\gamma\_on\_gc\_pmt}/N_{\gamma\_refl\_from\_gc\_mirror}$

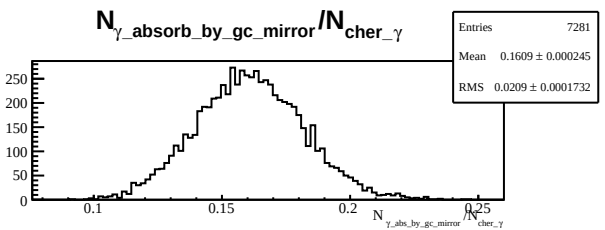

$N_{\gamma\_on\_gc\_pmt}/N_{cher\_\gamma}$
Entries 7276
Mean 0.5557 ± 0.0004086
RMS 0.03485 ± 0.0002889
$N_{\gamma\_on\_gc\_pmt}/N_{cher\_\gamma}$

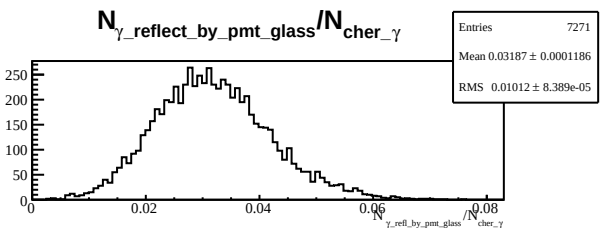

$N_{\gamma\_absorb\_by\_pmt\_box}/N_{cher\_\gamma}$
Entries 97
Mean 0.08047 ± 0.01065
RMS 0.1049 ± 0.007528
$N_{\gamma\_absorb\_by\_pmt\_box}/N_{cher\_\gamma}$

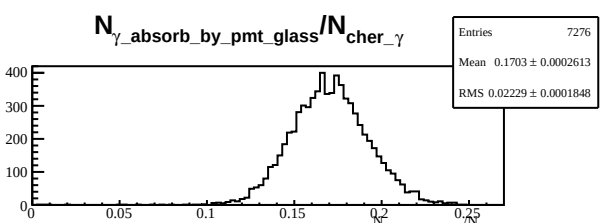

$N_{\gamma\_absorb\_by\_jail\_bar}/N_{cher\_\gamma}$
Entries 7245
Mean 0.02537 ± 0.0001566
RMS 0.01333 ± 0.0001107
$N_{\gamma\_abs\_by\_jail\_bar}/N_{cher\_\gamma}$

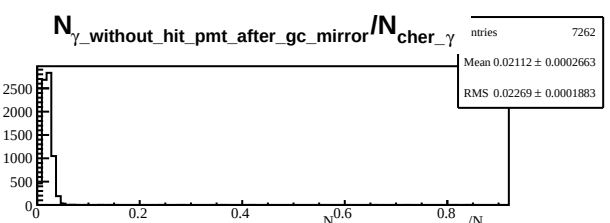

$N_{\gamma\_absorb\_by\_pmt\_cover}/N_{cher\_\gamma}$
Entries 5721
Mean 0.008176 ± 0.0001147
RMS 0.008672 ± 8.107e-05
$N_{\gamma\_abs\_by\_pmt\_cover}/N_{cher\_\gamma}$

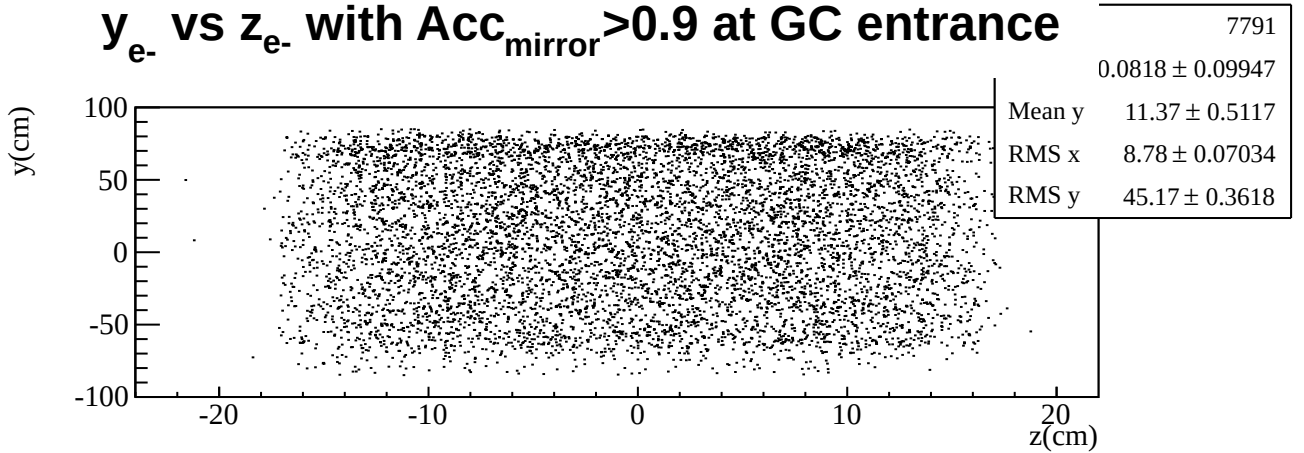

$N_{\gamma\_absorb\_by\_pmt\_cone}/N_{cher\_\gamma}$
Entries 7244
Mean 0.01832 ± 9.043e-05
RMS 0.007696 ± 6.394e-05
$N_{\gamma\_abs\_by\_pmt\_cone}/N_{cher\_\gamma}$

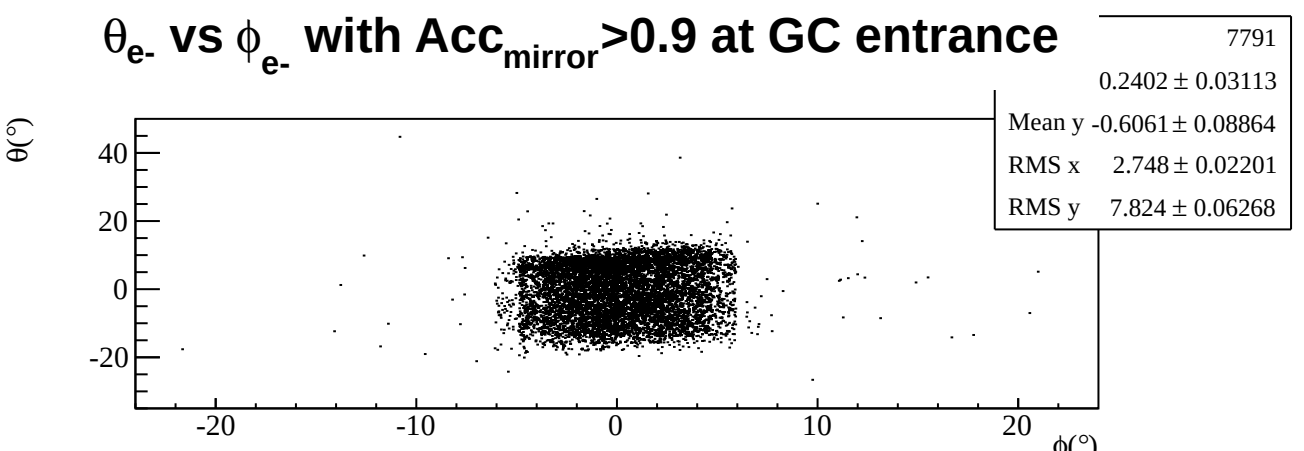

$N_{\gamma\_absorb\_by\_gc\_mirror}/N_{cher\_\gamma}$
Entries 7281
Mean 0.1609 ± 0.000245
RMS 0.0209 ± 0.0001732
$N_{\gamma\_abs\_by\_gc\_mirror}/N_{cher\_\gamma}$

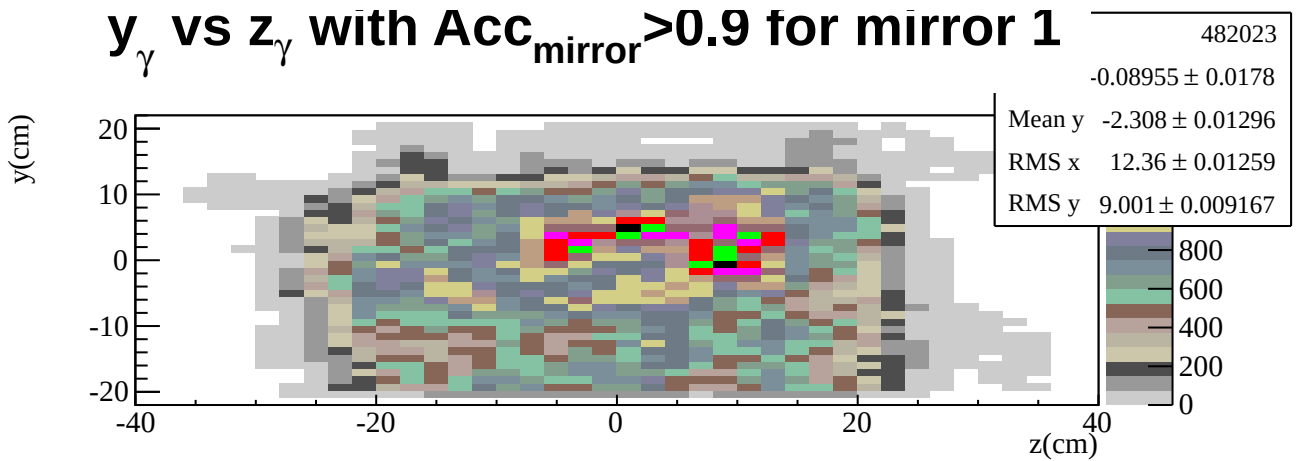

$N_{\gamma\_reflect\_by\_pmt\_glass}/N_{cher\_\gamma}$
Entries 7271
Mean 0.03187 ± 0.0001186
RMS 0.01012 ± 8.389e-05
$N_{\gamma\_refl\_by\_pmt\_glass}/N_{cher\_\gamma}$

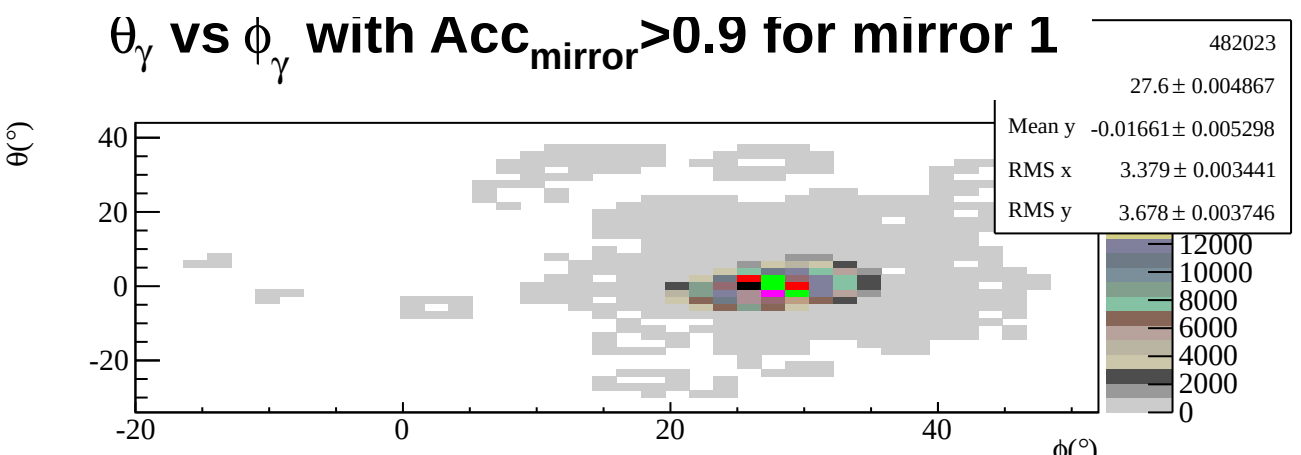

$N_{\gamma\_absorb\_by\_pmt\_glass}/N_{cher\_\gamma}$
Entries 7276
Mean 0.1703 ± 0.0002613
RMS 0.02229 ± 0.0001848
$N_{\gamma\_abs\_by\_pmt\_glass}/N_{cher\_\gamma}$

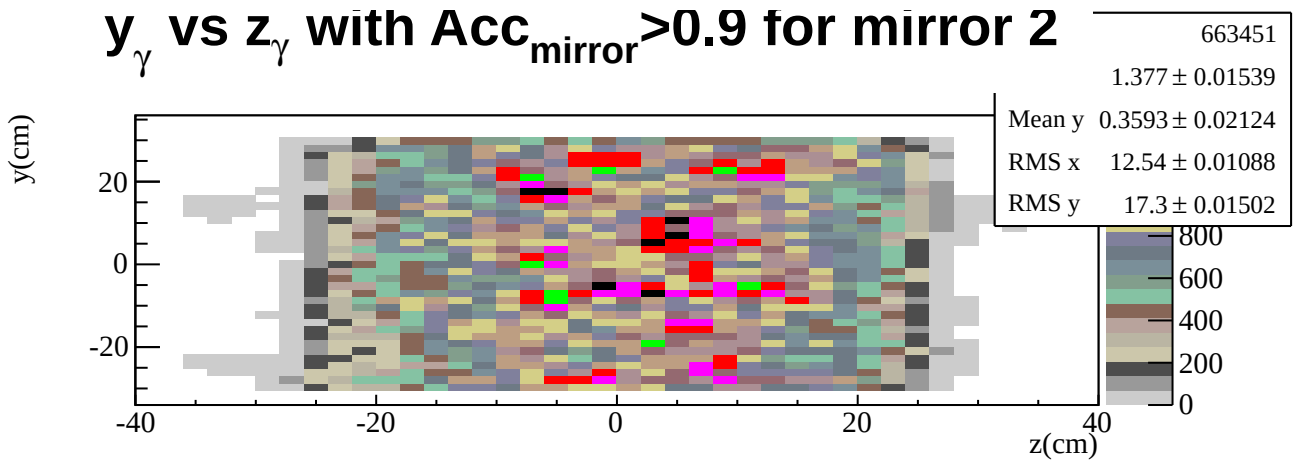

$N_{\gamma\_without\_hit\_pmt\_after\_gc\_mirror}/N_{cher\_\gamma}$
ntries 7262
Mean 0.02112 ± 0.0002663
RMS 0.02269 ± 0.0001883
$N_{\gamma\_without\_hit\_pmt\_after\_gc\_mirror}/N_{cher\_\gamma}$

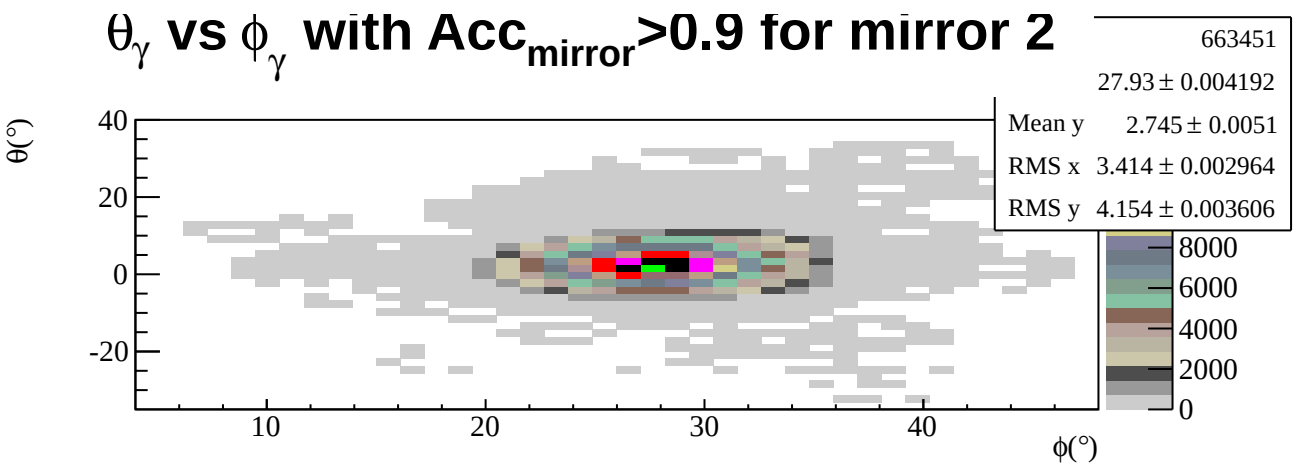

y_{e-} vs z_{e-} with Acc_{mirror}>0.9 at GC entrance
7791
0.0818 ± 0.09947
Mean y 11.37 ± 0.5117
RMS x 8.78 ± 0.07034
RMS y 45.17 ± 0.3618
y(cm)
z(cm)
100
50
0
-50
-100
-20
-10
0
10
20

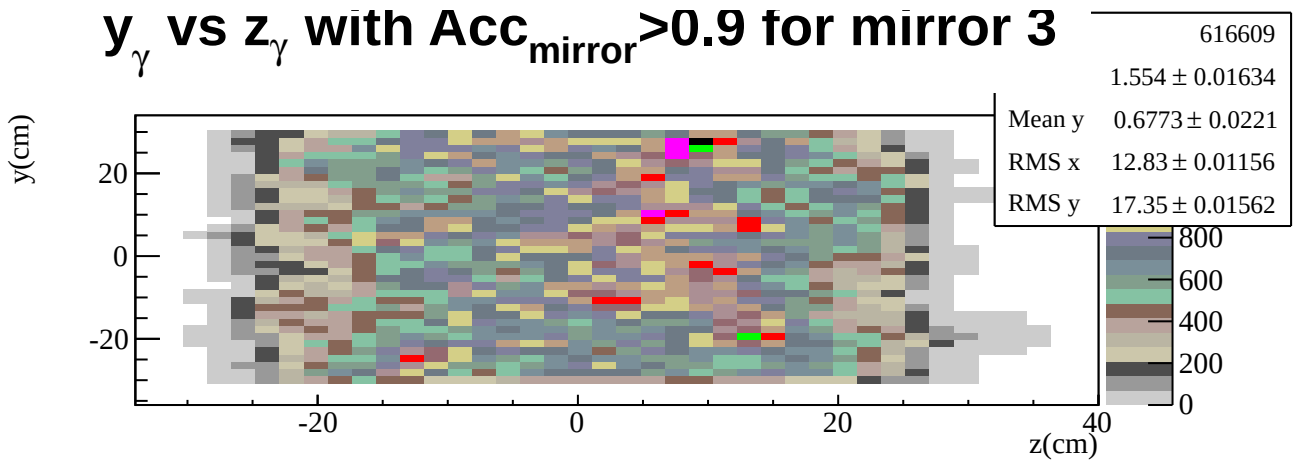

θ_{e-} vs ϕ_{e-} with Acc_{mirror}>0.9 at GC entrance
7791
0.2402 ± 0.03113
Mean y -0.6061 ± 0.08864
RMS x 2.748 ± 0.02201
RMS y 7.824 ± 0.06268
θ(°)
ϕ(°)
40
20
0
-20
-20
-10
0
10
20

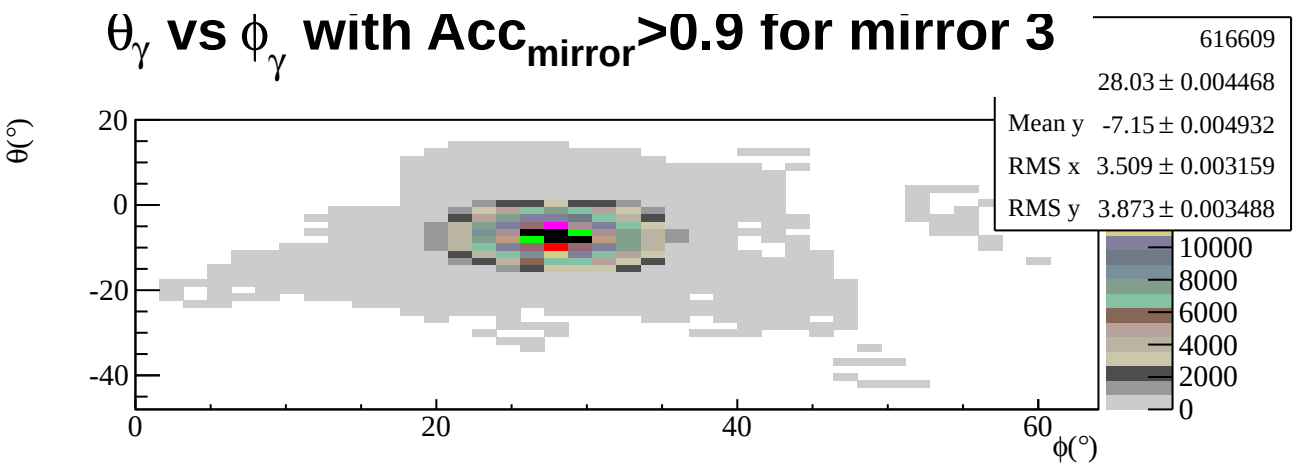

y_γ vs z_γ with Acc_{mirror}>0.9 for mirror 1
482023
-0.08955 ± 0.0178
Mean y -2.308 ± 0.01296
RMS x 12.36 ± 0.01259
RMS y 9.001 ± 0.009167
y(cm)
z(cm)

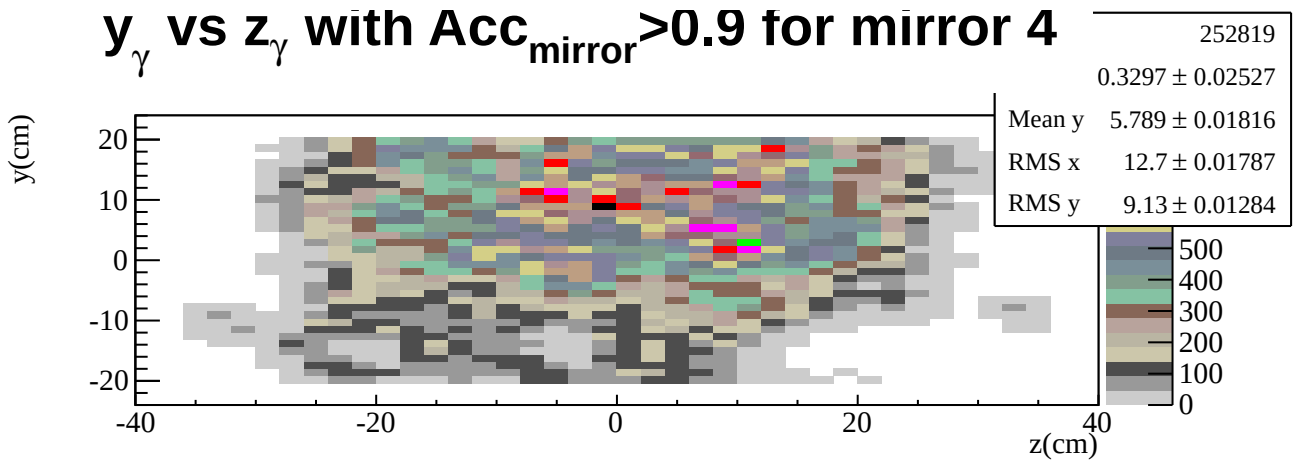

θ_γ vs ϕ_γ with Acc_{mirror}>0.9 for mirror 1
482023
27.6 ± 0.004867
Mean y -0.01661 ± 0.005298
RMS x 3.379 ± 0.003441
RMS y 3.678 ± 0.003746
θ(°)
ϕ(°)

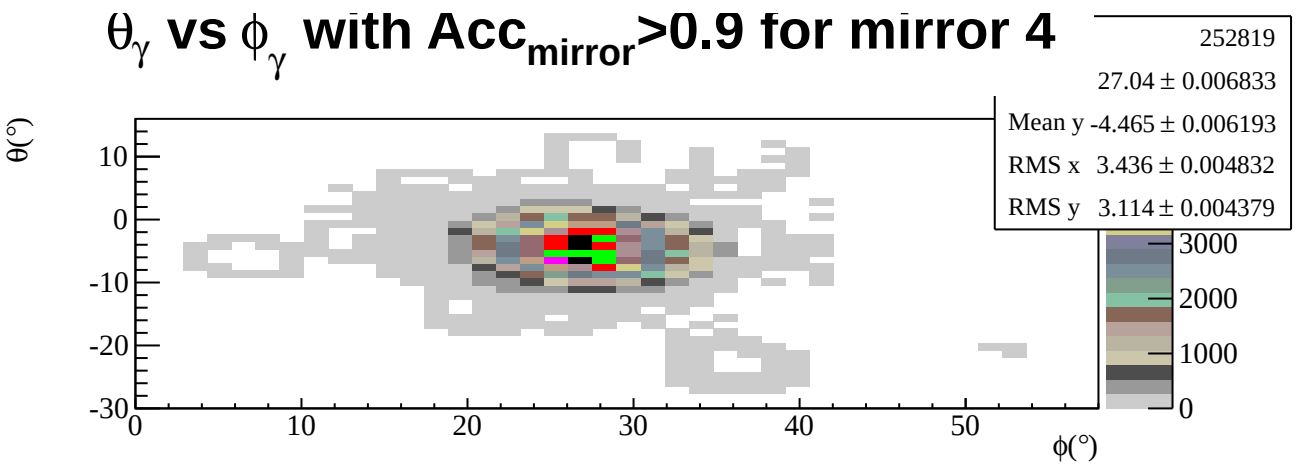

y_γ vs z_γ with Acc_{mirror}>0.9 for mirror 2
663451
1.377 ± 0.01539
Mean y 0.3593 ± 0.02124
RMS x 12.54 ± 0.01088
RMS y 17.3 ± 0.01502
y(cm)
z(cm)
20
0
-20
-40
40
800
600
400
200
0

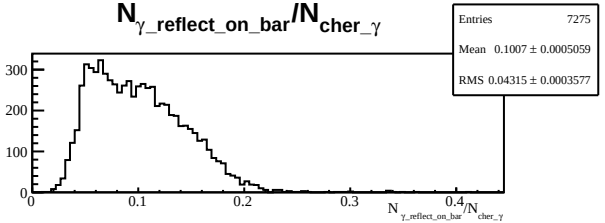

θ_γ vs ϕ_γ with Acc_{mirror}>0.9 for mirror 2
663451
27.93 ± 0.004192
Mean y 2.745 ± 0.0051
RMS x 3.414 ± 0.002964
RMS y 4.154 ± 0.003606
θ(°)
ϕ(°)
40
20
0
-20
10
30
8000
6000
4000
2000
0

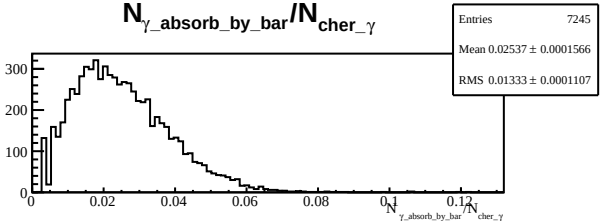

y_γ vs z_γ with Acc_{mirror}>0.9 for mirror 3
616609
1.554 ± 0.01634
Mean y 0.6773 ± 0.0221
RMS x 12.83 ± 0.01156
RMS y 17.35 ± 0.01562
y(cm)
z(cm)
20
0
-20
-20
0
20
40
800
600
400
200
0

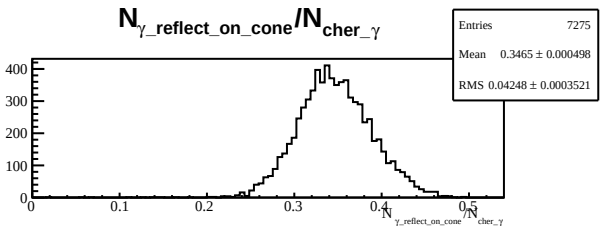

θ_γ vs ϕ_γ with Acc_{mirror}>0.9 for mirror 3
616609
28.03 ± 0.004468
Mean y -7.15 ± 0.004932
RMS x 3.509 ± 0.003159
RMS y 3.873 ± 0.003488
θ(°)
ϕ(°)
20
0
-20
-40
0
20
40
60
10000
8000
6000
4000
2000
0

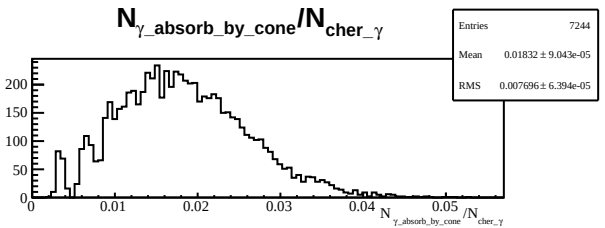

y_γ vs z_γ with Acc_{mirror}>0.9 for mirror 4
252819
0.3297 ± 0.02527
Mean y 5.789 ± 0.01816
RMS x 12.7 ± 0.01787
RMS y 9.13 ± 0.01284
y(cm)
z(cm)

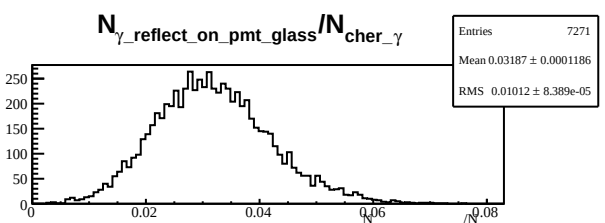

θ_γ vs ϕ_γ with Acc_{mirror}>0.9 for mirror 4
252819
27.04 ± 0.006833
Mean y -4.465 ± 0.006193
RMS x 3.436 ± 0.004832
RMS y 3.114 ± 0.004379
θ(°)
ϕ(°)

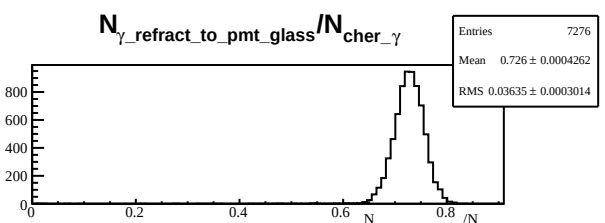

$N_{\gamma\_reflect\_on\_bar}/N_{cher\_\gamma}$
Entries 7275
Mean 0.1007 ± 0.0005059
RMS 0.04315 ± 0.0003577
$N_{\gamma\_reflect\_on\_bar}/N_{cher\_\gamma}$

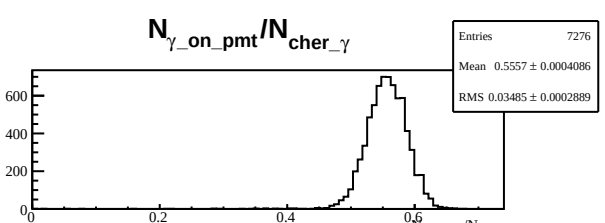

$N_{\gamma\_absorb\_by\_bar}/N_{cher\_\gamma}$
Entries 7245
Mean 0.02537 ± 0.0001566
RMS 0.01333 ± 0.0001107
$N_{\gamma\_absorb\_by\_bar}/N_{cher\_\gamma}$

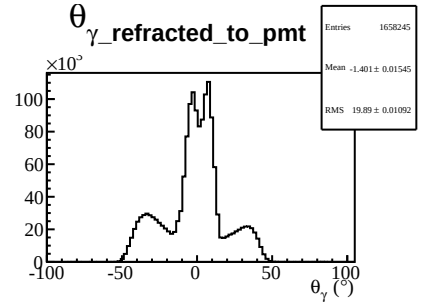

$N_{\gamma\_reflect\_on\_cone}/N_{cher\_\gamma}$
Entries 7275
Mean 0.3465 ± 0.000498
RMS 0.04248 ± 0.0003521
$N_{\gamma\_reflect\_on\_cone}/N_{cher\_\gamma}$

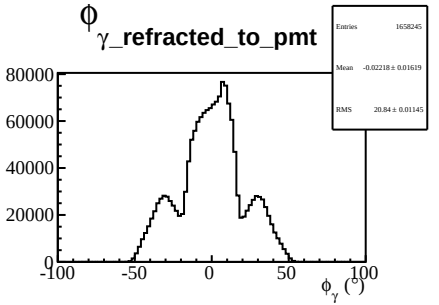

$N_{\gamma\_absorb\_by\_cone}/N_{cher\_\gamma}$
Entries 7244
Mean 0.01832 ± 9.043e-05
RMS 0.007696 ± 6.394e-05
$N_{\gamma\_absorb\_by\_cone}/N_{cher\_\gamma}$

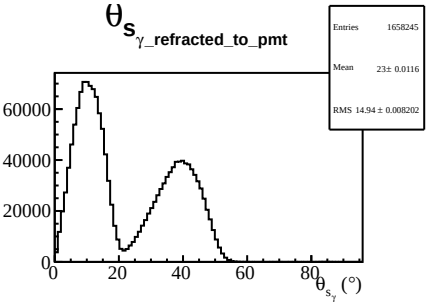

$N_{\gamma\_reflect\_on\_pmt\_glass}/N_{cher\_\gamma}$
Entries 7271
Mean 0.03187 ± 0.0001186
RMS 0.01012 ± 8.389e-05
$N_{\gamma\_reflect\_on\_pmt\_glass}/N_{cher\_\gamma}$

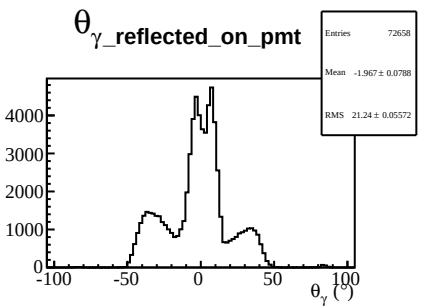

$N_{\gamma\_refract\_to\_pmt\_glass}/N_{cher\_\gamma}$
Entries 7276
Mean 0.726 ± 0.0004262
RMS 0.03635 ± 0.0003014
$N_{\gamma\_refract\_to\_pmt\_glass}/N_{cher\_\gamma}$

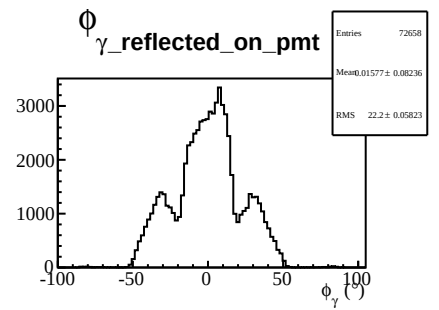

$N_{\gamma\_on\_pmt}/N_{cher\_\gamma}$
Entries 7276
Mean 0.5557 ± 0.0004086
RMS 0.03485 ± 0.0002889
$N_{\gamma\_on\_pmt}/N_{cher\_\gamma}$

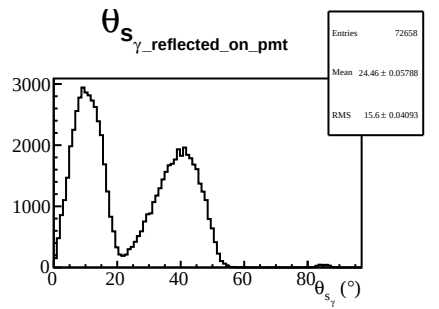

θγ_refracted_to_pmt
Entries 1658245
Mean -1.401 ± 0.01545
RMS 19.89 ± 0.01092
×10³
θγ (°)

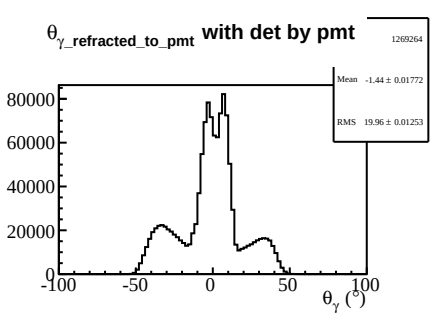

φγ_refracted_to_pmt
Entries 1658245
Mean -0.02218 ± 0.01619
RMS 20.84 ± 0.01145
φγ (°)

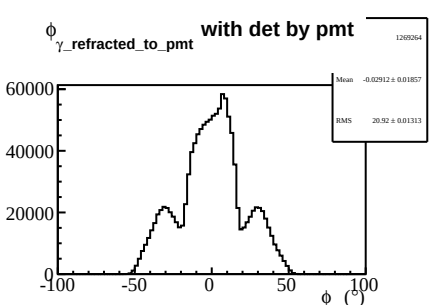

θsγ_refracted_to_pmt
Entries 1658245
Mean 23 ± 0.0116
RMS 14.94 ± 0.008202
θsγ (°)

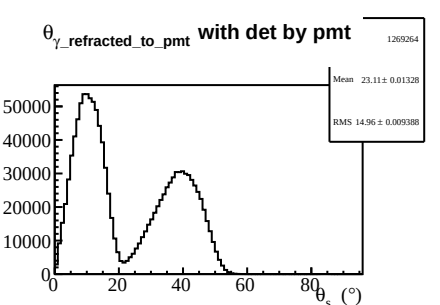

θγ_reflected_on_pmt
Entries 72658
Mean -1.967 ± 0.0788
RMS 21.24 ± 0.05572
θγ (°)

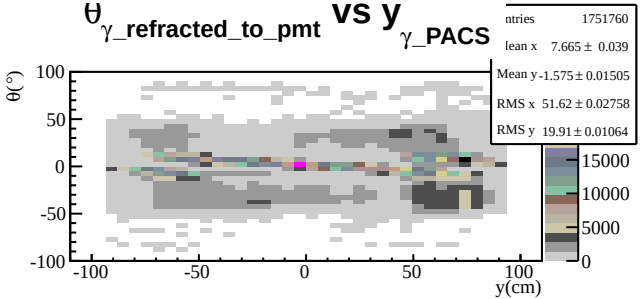

φγ_reflected_on_pmt
Entries 72658
Mean -0.01577 ± 0.08236
RMS 22.2 ± 0.05823
φγ (°)

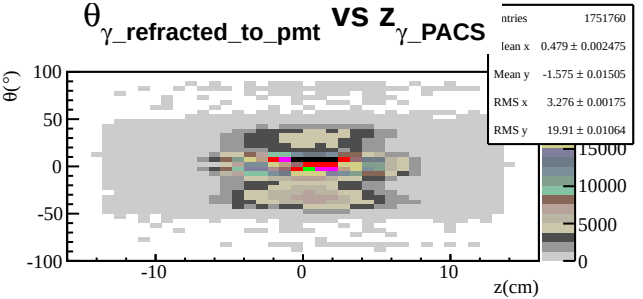

θsγ_reflected_on_pmt
Entries 72658
Mean 24.46 ± 0.05788
RMS 15.6 ± 0.04093
θsγ (°)

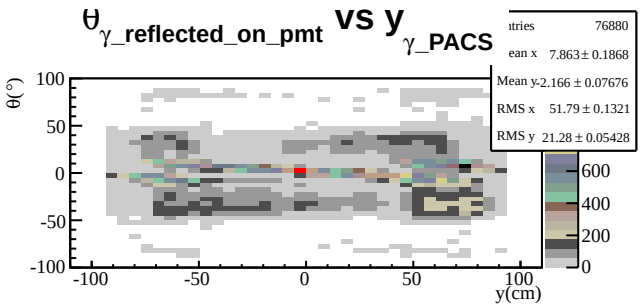

θγ_refracted_to_pmt with det by pmt
1269264
Mean -1.44 ± 0.01772
RMS 19.96 ± 0.01253
θγ (°)

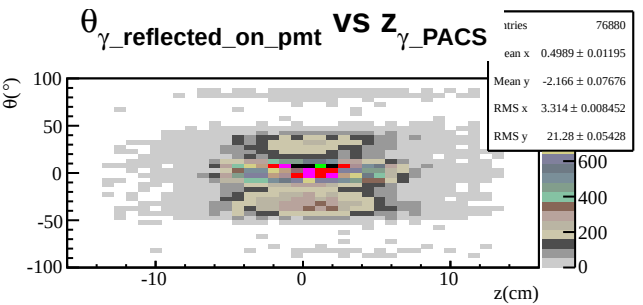

φγ_refracted_to_pmt with det by pmt
1269264
Mean -0.02912 ± 0.01857
RMS 20.92 ± 0.01313
φγ (°)

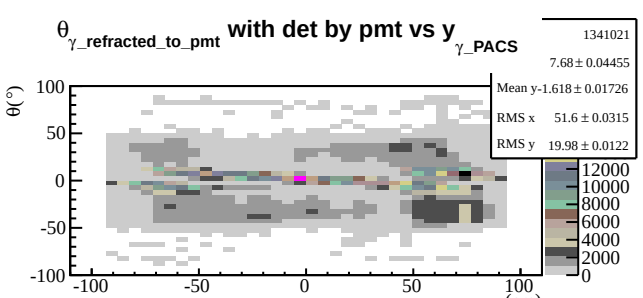

θγ_refracted_to_pmt with det by pmt
1269264
Mean 23.11 ± 0.01328
RMS 14.96 ± 0.009388
θsγ (°)

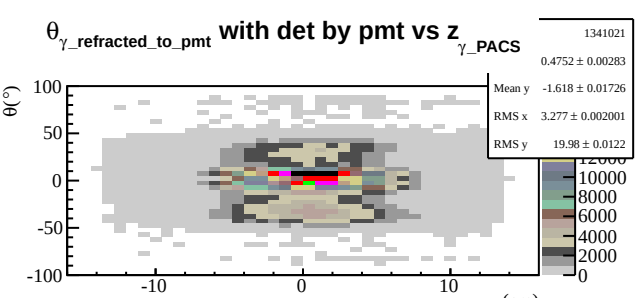

θ γ_refracted_to_pmt vs y γ_PACS
ntries 1751760
lean x 7.665 ± 0.039
Mean y -1.575 ± 0.01505
RMS x 51.62 ± 0.02758
RMS y 19.91 ± 0.01064
θ(°)
y(cm)

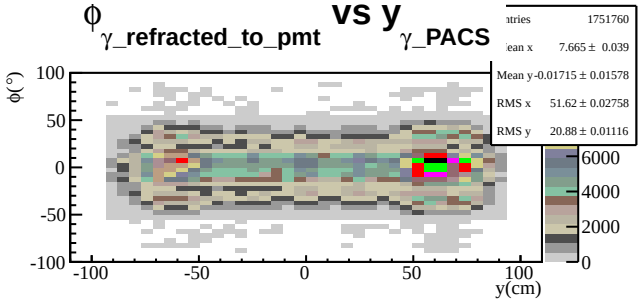

θ γ_refracted_to_pmt vs z γ_PACS
ntries 1751760
lean x 0.479 ± 0.002475
Mean y -1.575 ± 0.01505
RMS x 3.276 ± 0.00175
RMS y 19.91 ± 0.01064
θ(°)
z(cm)

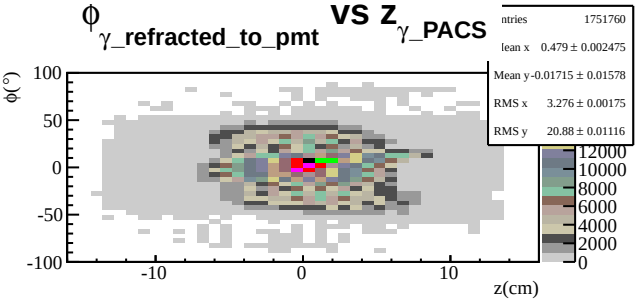

θ γ_reflected_on_pmt vs y γ_PACS
ntries 76880
ean x 7.863 ± 0.1868
Mean y -2.166 ± 0.07676
RMS x 51.79 ± 0.1321
RMS y 21.28 ± 0.05428
θ(°)
y(cm)

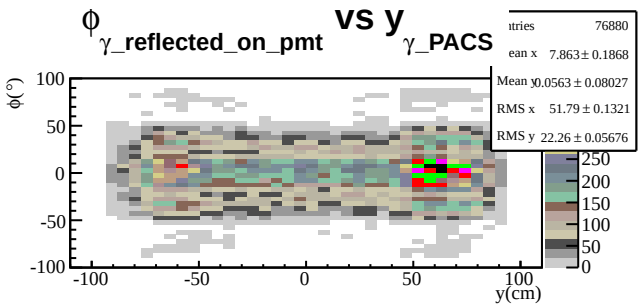

θ γ_reflected_on_pmt vs z γ_PACS
ntries 76880
ean x 0.4989 ± 0.01195
Mean y -2.166 ± 0.07676
RMS x 3.314 ± 0.008452
RMS y 21.28 ± 0.05428
θ(°)
z(cm)

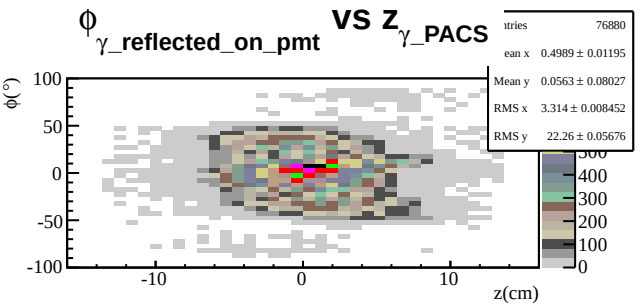

θ γ_refracted_to_pmt with det by pmt vs y γ_PACS
1341021
7.68 ± 0.04455
Mean y -1.618 ± 0.01726
RMS x 51.6 ± 0.0315
RMS y 19.98 ± 0.0122
θ(°)
y(cm)

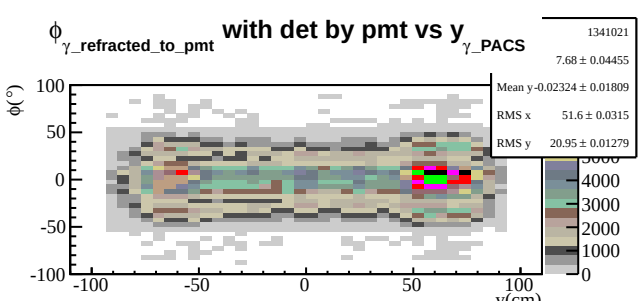

θ γ_refracted_to_pmt with det by pmt vs z γ_PACS
1341021
0.4752 ± 0.00283
Mean y -1.618 ± 0.01726
RMS x 3.277 ± 0.002001
RMS y 19.98 ± 0.0122
θ(°)
z(cm)

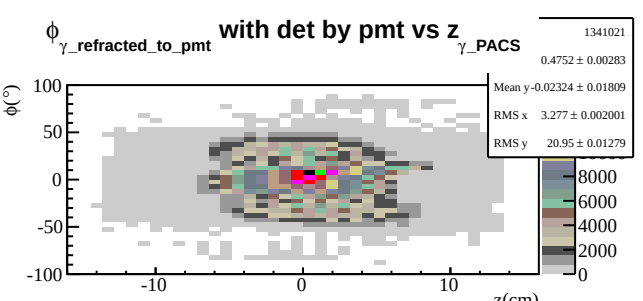

ϕ γ_refracted_to_pmt vs y γ_PACS
ntries 1751760
Mean x 7.665 ± 0.039
Mean y -0.01715 ± 0.01578
RMS x 51.62 ± 0.02758
RMS y 20.88 ± 0.01116
ϕ(°)
y(cm)

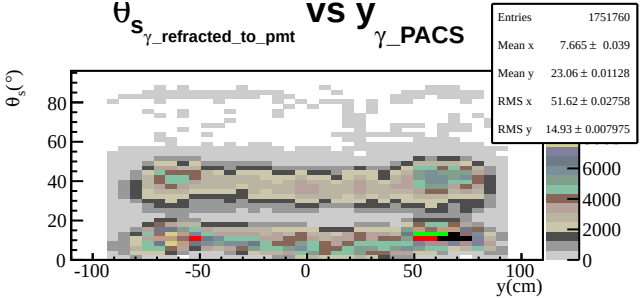

ϕ γ_refracted_to_pmt vs z γ_PACS
ntries 1751760
Mean x 0.479 ± 0.002475
Mean y -0.01715 ± 0.01578
RMS x 3.276 ± 0.00175
RMS y 20.88 ± 0.01116
ϕ(°)
z(cm)

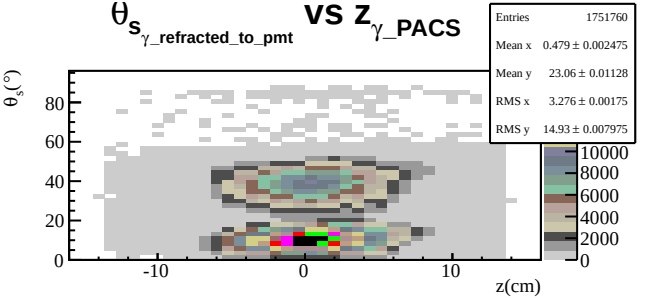

ϕ γ_reflected_on_pmt vs y γ_PACS
ntries 76880
Mean x 7.863 ± 0.1868
Mean y 0.0563 ± 0.08027
RMS x 51.79 ± 0.1321
RMS y 22.26 ± 0.05676
ϕ(°)
y(cm)

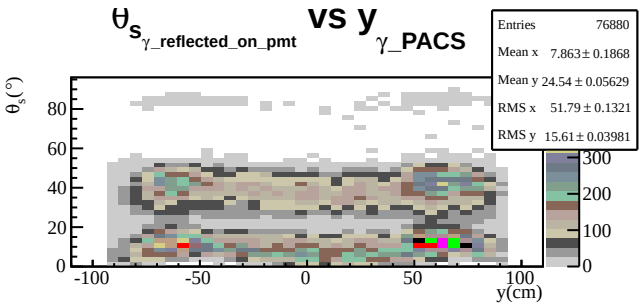

ϕ γ_reflected_on_pmt vs z γ_PACS
ntries 76880
Mean x 0.4989 ± 0.01195
Mean y 0.0563 ± 0.08027
RMS x 3.314 ± 0.008452
RMS y 22.26 ± 0.05676
ϕ(°)
z(cm)

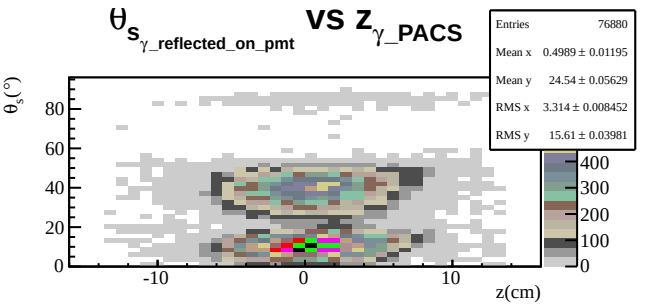

ϕ γ_refracted_to_pmt with det by pmt vs y γ_PACS
1341021
7.68 ± 0.04455
Mean y -0.02324 ± 0.01809
RMS x 51.6 ± 0.0315
RMS y 20.95 ± 0.01279
ϕ(°)
y(cm)

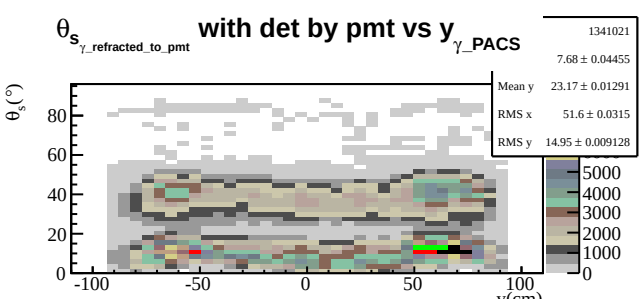

ϕ γ_refracted_to_pmt with det by pmt vs z γ_PACS
1341021
0.4752 ± 0.00283
Mean y -0.02324 ± 0.01809
RMS x 3.277 ± 0.002001
RMS y 20.95 ± 0.01279
ϕ(°)
z(cm)

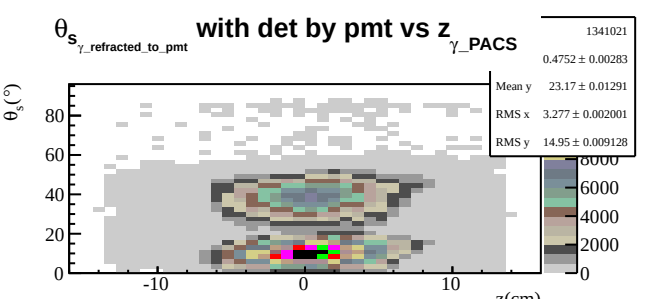

θs γ_refracted_to_pmt vs y γ_PACS
Entries 1751760
Mean x 7.665 ± 0.039
Mean y 23.06 ± 0.01128
RMS x 51.62 ± 0.02758
RMS y 14.93 ± 0.007975
θs(°)
y(cm)

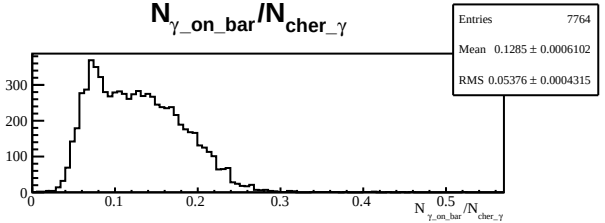

θs γ_refracted_to_pmt vs z γ_PACS
Entries 1751760
Mean x 0.479 ± 0.002475
Mean y 23.06 ± 0.01128
RMS x 3.276 ± 0.00175
RMS y 14.93 ± 0.007975
θs(°)
z(cm)

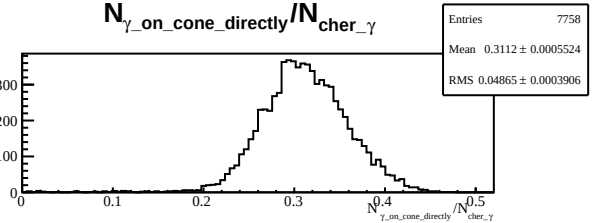

θs γ_reflected_on_pmt vs y γ_PACS
Entries 76880
Mean x 7.863 ± 0.1868
Mean y 24.54 ± 0.05629
RMS x 51.79 ± 0.1321
RMS y 15.61 ± 0.03981
θs(°)
y(cm)

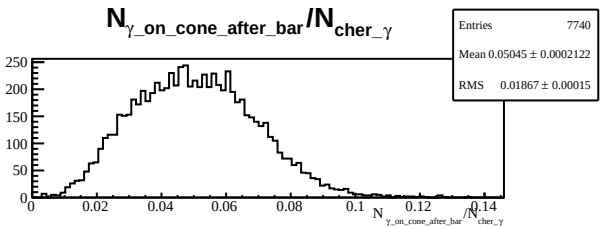

θs γ_reflected_on_pmt vs z γ_PACS
Entries 76880
Mean x 0.4989 ± 0.01195
Mean y 24.54 ± 0.05629
RMS x 3.314 ± 0.008452
RMS y 15.61 ± 0.03981
θs(°)
z(cm)

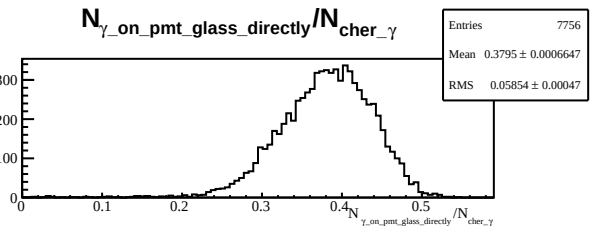

θs γ_refracted_to_pmt with det by pmt vs y γ_PACS
1341021
7.68 ± 0.04455
Mean y 23.17 ± 0.01291
RMS x 51.6 ± 0.0315
RMS y 14.95 ± 0.009128
θs(°)
y(cm)

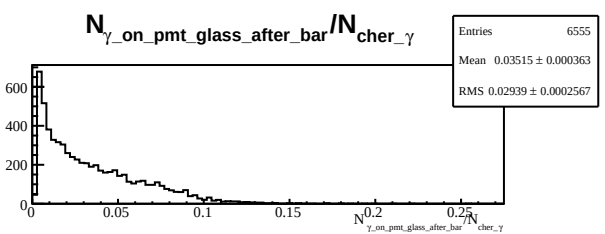

θs γ_refracted_to_pmt with det by pmt vs z γ_PACS
1341021
0.4752 ± 0.00283
Mean y 23.17 ± 0.01291
RMS x 3.277 ± 0.002001
RMS y 14.95 ± 0.009128
θs(°)
z(cm)

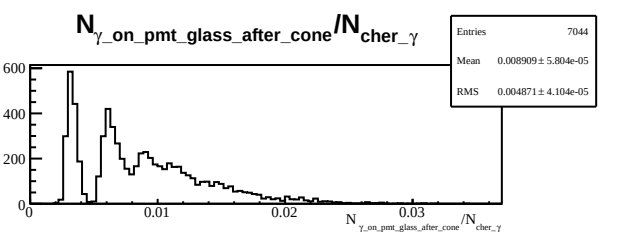

$N_{\gamma\_on\_bar}/N_{cher\_\gamma}$
Entries 7764
Mean 0.1285 ± 0.0006102
RMS 0.05376 ± 0.0004315
$N_{\gamma\_on\_bar}/N_{cher\_\gamma}$

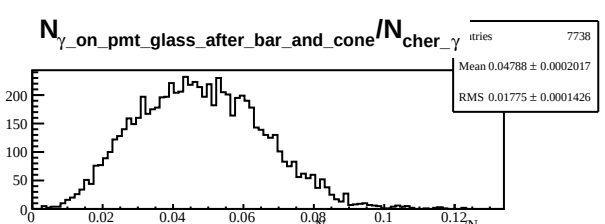

$N_{\gamma\_on\_cone\_directly}/N_{cher\_\gamma}$
Entries 7758
Mean 0.3112 ± 0.0005524
RMS 0.04865 ± 0.0003906
$N_{\gamma\_on\_cone\_directly}/N_{cher\_\gamma}$

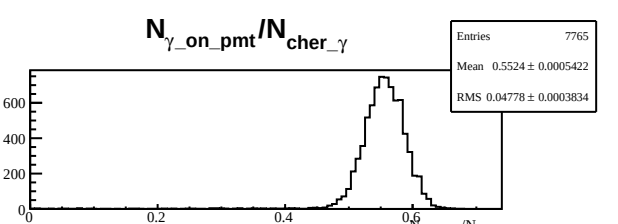

$N_{\gamma\_on\_cone\_after\_bar}/N_{cher\_\gamma}$
Entries 7740
Mean 0.05045 ± 0.0002122
RMS 0.01867 ± 0.00015
$N_{\gamma\_on\_cone\_after\_bar}/N_{cher\_\gamma}$

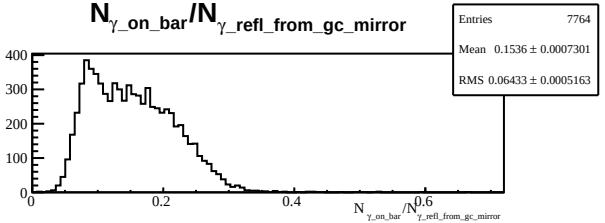

$N_{\gamma\_on\_pmt\_glass\_directly}/N_{cher\_\gamma}$
Entries 7756
Mean 0.3795 ± 0.0006647
RMS 0.05854 ± 0.00047
$N_{\gamma\_on\_pmt\_glass\_directly}/N_{cher\_\gamma}$

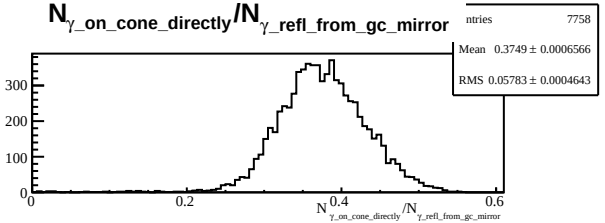

$N_{\gamma\_on\_pmt\_glass\_after\_bar}/N_{cher\_\gamma}$
Entries 6555
Mean 0.03515 ± 0.000363
RMS 0.02939 ± 0.0002567
$N_{\gamma\_on\_pmt\_glass\_after\_bar}/N_{cher\_\gamma}$

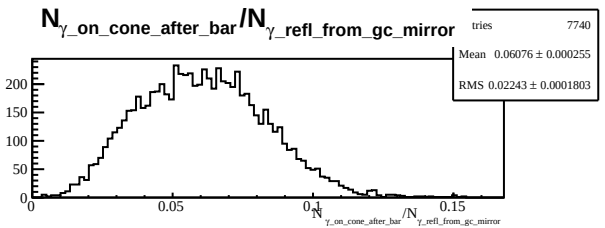

$N_{\gamma\_on\_pmt\_glass\_after\_cone}/N_{cher\_\gamma}$
Entries 7044
Mean 0.008909 ± 5.804e-05
RMS 0.004871 ± 4.104e-05
$N_{\gamma\_on\_pmt\_glass\_after\_cone}/N_{cher\_\gamma}$

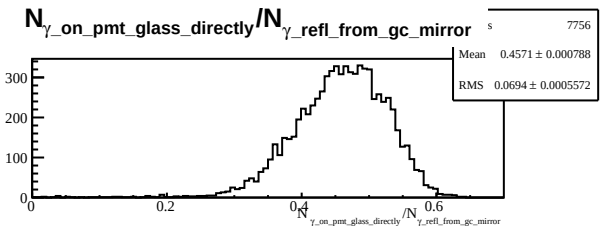

$N_{\gamma\_on\_pmt\_glass\_after\_bar\_and\_cone}/N_{cher\_\gamma}$
Entries 7738
Mean 0.04788 ± 0.0002017
RMS 0.01775 ± 0.0001426
$N_{\gamma\_on\_pmt\_glass\_after\_bar\_and\_cone}/N_{cher\_\gamma}$

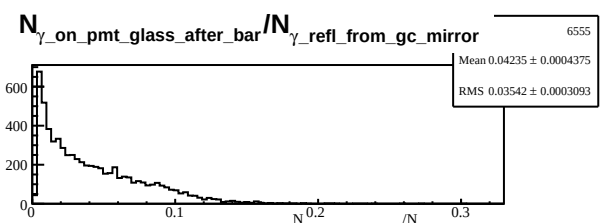

$N_{\gamma\_on\_pmt}/N_{cher\_\gamma}$
Entries 7765
Mean 0.5524 ± 0.0005422
RMS 0.04778 ± 0.0003834
$N_{\gamma\_on\_pmt}/N_{cher\_\gamma}$

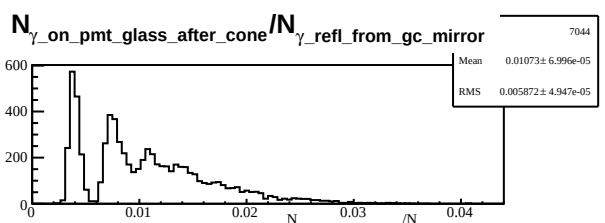

$N_{\gamma\_on\_bar}/N_{\gamma\_refl\_from\_gc\_mirror}$
Entries 7764
Mean 0.1536 ± 0.0007301
RMS 0.06433 ± 0.0005163
$N_{\gamma\_on\_bar}/N_{\gamma\_refl\_from\_gc\_mirror}$

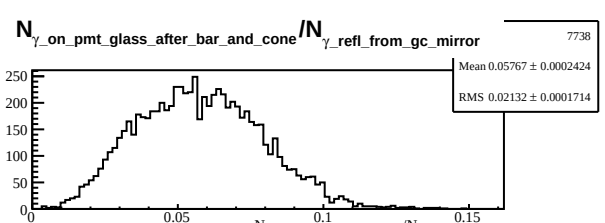

$N_{\gamma\_on\_cone\_directly}/N_{\gamma\_refl\_from\_gc\_mirror}$
ntries 7758
Mean 0.3749 ± 0.0006566
RMS 0.05783 ± 0.0004643
$N_{\gamma\_on\_cone\_directly}/N_{\gamma\_refl\_from\_gc\_mirror}$

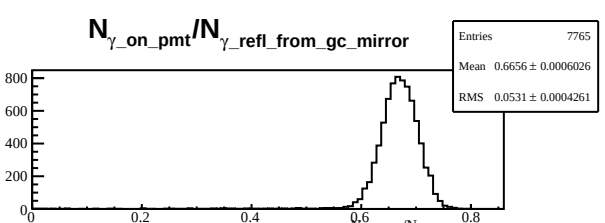

$N_{\gamma\_on\_cone\_after\_bar}/N_{\gamma\_refl\_from\_gc\_mirror}$
tries 7740
Mean 0.06076 ± 0.000255
RMS 0.02243 ± 0.0001803
$N_{\gamma\_on\_cone\_after\_bar}/N_{\gamma\_refl\_from\_gc\_mirror}$

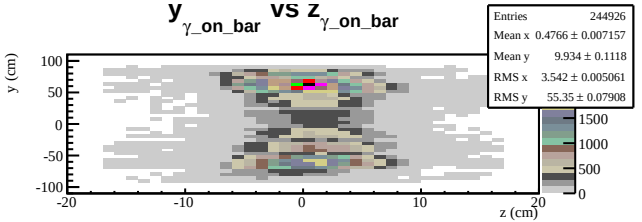

$N_{\gamma\_on\_pmt\_glass\_directly}/N_{\gamma\_refl\_from\_gc\_mirror}$
s 7756
Mean 0.4571 ± 0.000788
RMS 0.0694 ± 0.0005572
$N_{\gamma\_on\_pmt\_glass\_directly}/N_{\gamma\_refl\_from\_gc\_mirror}$

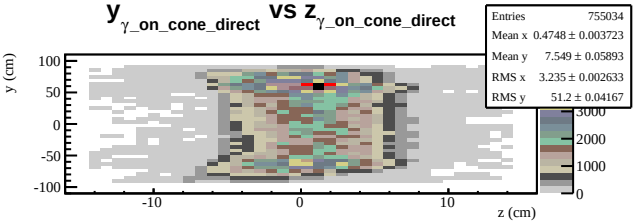

$N_{\gamma\_on\_pmt\_glass\_after\_bar}/N_{\gamma\_refl\_from\_gc\_mirror}$
6555
Mean 0.04235 ± 0.0004375
RMS 0.03542 ± 0.0003093
$N_{\gamma\_on\_pmt\_glass\_after\_bar}/N_{\gamma\_refl\_from\_gc\_mirror}$

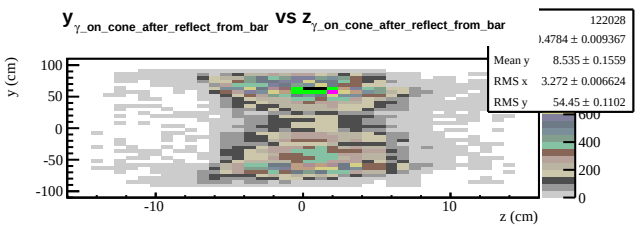

$N_{\gamma\_on\_pmt\_glass\_after\_cone}/N_{\gamma\_refl\_from\_gc\_mirror}$
7044
Mean 0.01073 ± 6.996e-05
RMS 0.005872 ± 4.947e-05
$N_{\gamma\_on\_pmt\_glass\_after\_cone}/N_{\gamma\_refl\_from\_gc\_mirror}$

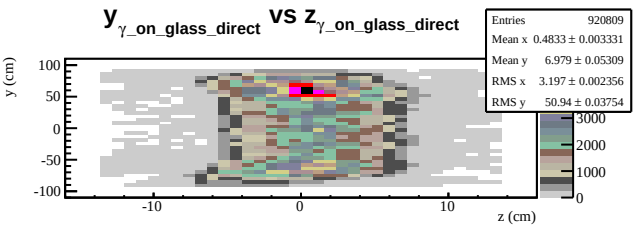

$N_{\gamma\_on\_pmt\_glass\_after\_bar\_and\_cone}/N_{\gamma\_refl\_from\_gc\_mirror}$
7738
Mean 0.05767 ± 0.0002424
RMS 0.02132 ± 0.0001714
$N_{\gamma\_on\_pmt\_glass\_after\_bar\_and\_cone}/N_{\gamma\_refl\_from\_gc\_mirror}$

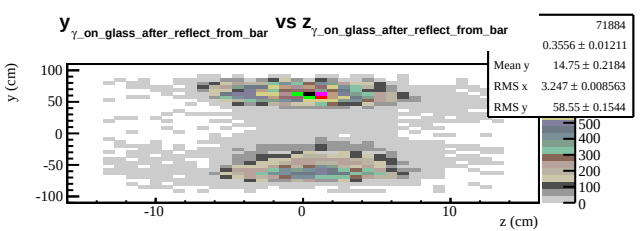

$N_{\gamma\_on\_pmt}/N_{\gamma\_refl\_from\_gc\_mirror}$
Entries 7765
Mean 0.6656 ± 0.0006026
RMS 0.0531 ± 0.0004261
$N_{\gamma\_on\_pmt}/N_{\gamma\_refl\_from\_gc\_mirror}$

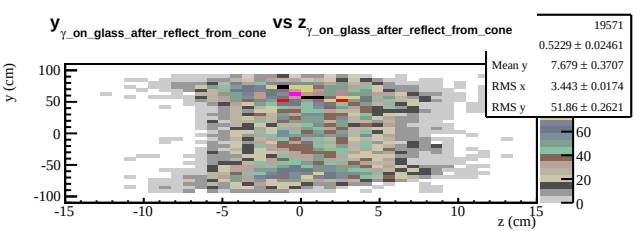

y γ_on_bar vs z γ_on_bar
Entries 244926
Mean x 0.4766 ± 0.007157
Mean y 9.934 ± 0.1118
RMS x 3.542 ± 0.005061
RMS y 55.35 ± 0.07908
y (cm)
z (cm)

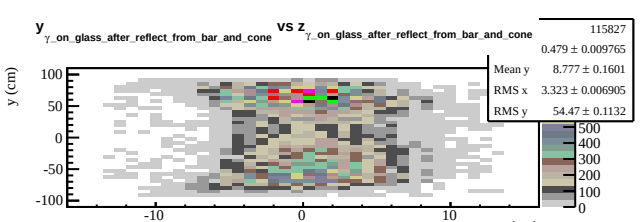

y γ_on_cone_direct vs z γ_on_cone_direct
Entries 755034
Mean x 0.4748 ± 0.003723
Mean y 7.549 ± 0.05893
RMS x 3.235 ± 0.002633
RMS y 51.2 ± 0.04167
y (cm)
z (cm)

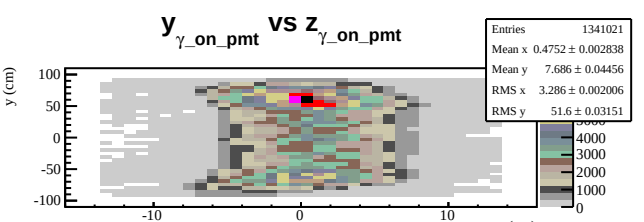

y γ_on_cone_after_reflect_from_bar vs z γ_on_cone_after_reflect_from_bar
122028
Mean y 8.535 ± 0.1559
RMS x 3.272 ± 0.006624
RMS y 54.45 ± 0.1102
y (cm)
z (cm)

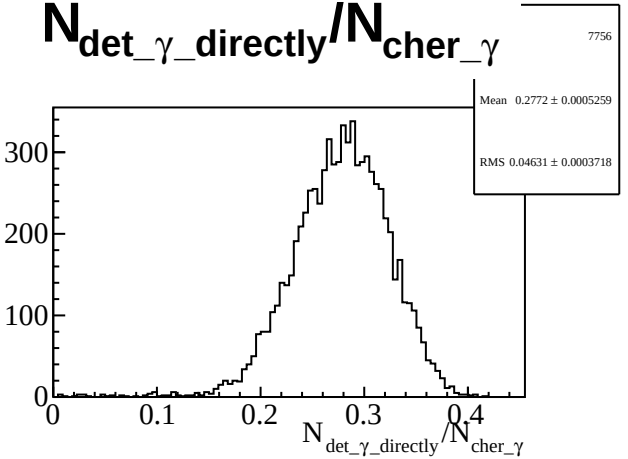

y γ_on_glass_direct vs z γ_on_glass_direct
Entries 920809
Mean x 0.4833 ± 0.003331
Mean y 6.979 ± 0.05309
RMS x 3.197 ± 0.002356
RMS y 50.94 ± 0.03754
y (cm)
z (cm)

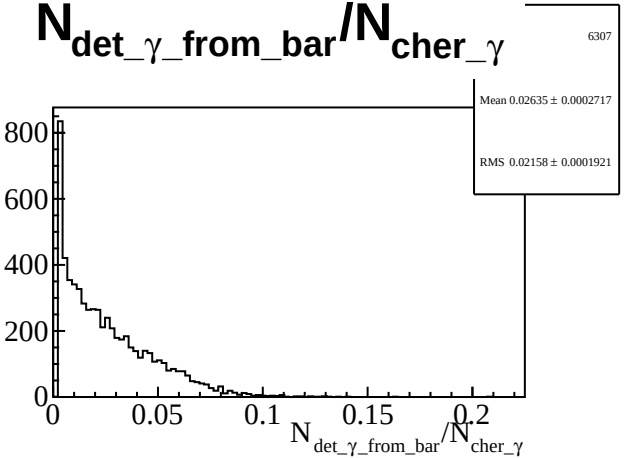

y γ_on_glass_after_reflect_from_bar vs z γ_on_glass_after_reflect_from_bar
71884
0.3556 ± 0.01211
Mean y 14.75 ± 0.2184
RMS x 3.247 ± 0.008563
RMS y 58.55 ± 0.1544
y (cm)
z (cm)

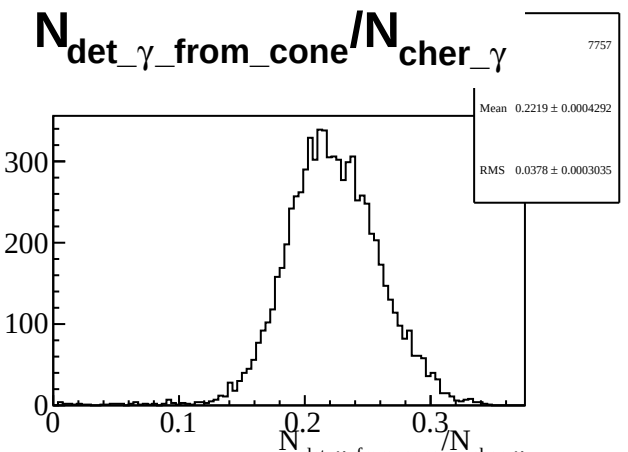

y γ_on_glass_after_reflect_from_cone vs z γ_on_glass_after_reflect_from_cone
19571
0.5229 ± 0.02461
Mean y 7.679 ± 0.3707
RMS x 3.443 ± 0.0174
RMS y 51.86 ± 0.2621
y (cm)
z (cm)

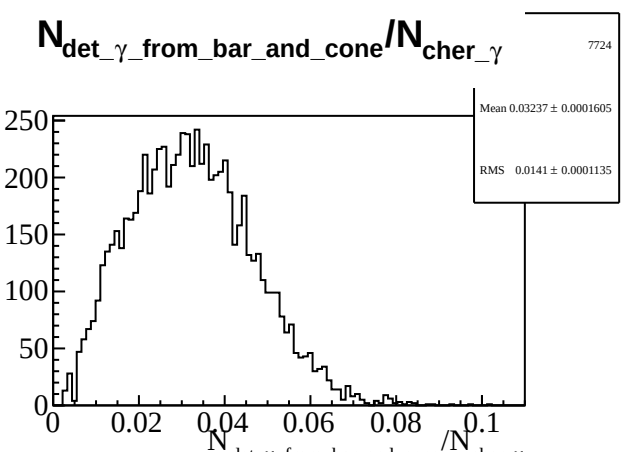

y γ_on_glass_after_reflect_from_bar_and_cone vs z γ_on_glass_after_reflect_from_bar_and_cone
115827
0.479 ± 0.009765
Mean y 8.777 ± 0.1601
RMS x 3.323 ± 0.006905
RMS y 54.47 ± 0.1132
y (cm)
z (cm)

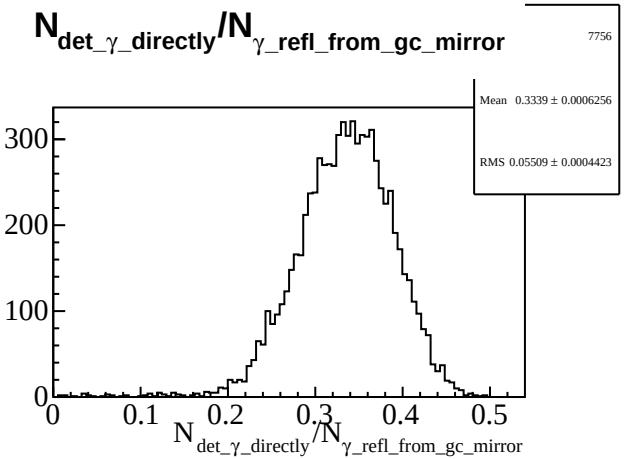

y γ_on_pmt vs z γ_on_pmt
Entries 1341021
Mean x 0.4752 ± 0.002838
Mean y 7.686 ± 0.04456
RMS x 3.286 ± 0.002006
RMS y 51.6 ± 0.03151
y (cm)
z (cm)

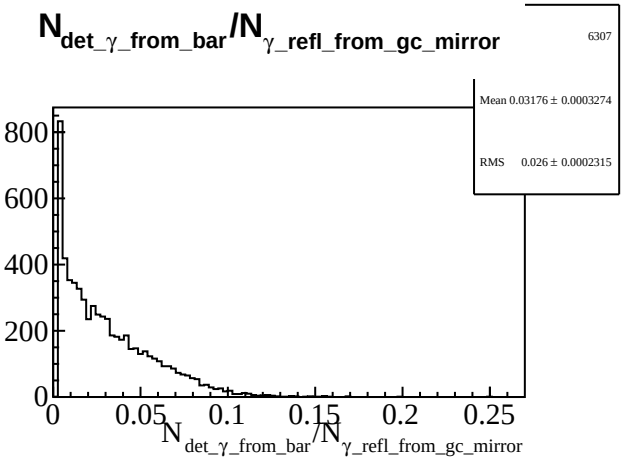

$N_{det\_\gamma\_directly}/N_{cher\_\gamma}$
7756
Mean 0.2772 ± 0.0005259
RMS 0.04631 ± 0.0003718
$N_{det\_\gamma\_directly}/N_{cher\_\gamma}$

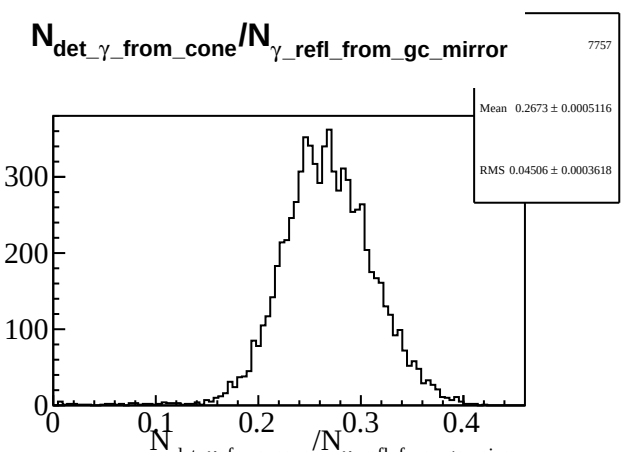

$N_{det\_\gamma\_from\_bar}/N_{cher\_\gamma}$
6307
Mean 0.02635 ± 0.0002717
RMS 0.02158 ± 0.0001921
$N_{det\_\gamma\_from\_bar}/N_{cher\_\gamma}$

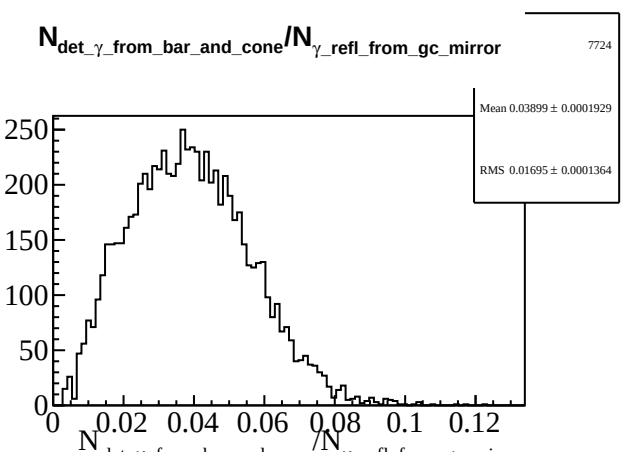

$N_{det\_\gamma\_from\_cone}/N_{cher\_\gamma}$
7757
Mean 0.2219 ± 0.0004292
RMS 0.0378 ± 0.0003035
$N_{det\_\gamma\_from\_cone}/N_{cher\_\gamma}$

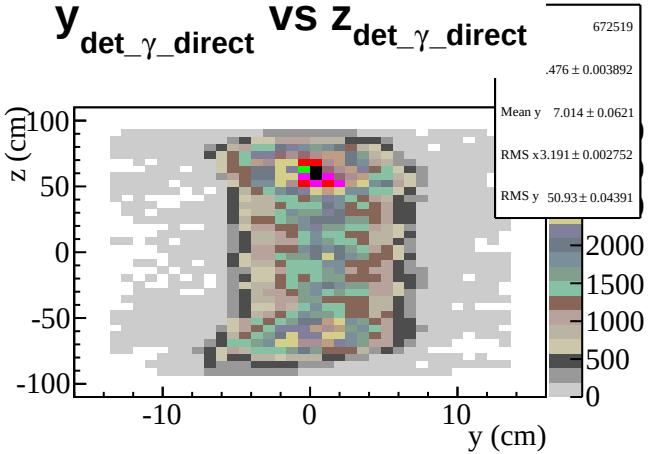

$N_{det\_\gamma\_from\_bar\_and\_cone}/N_{cher\_\gamma}$
7724
Mean 0.03237 ± 0.0001605
RMS 0.0141 ± 0.0001135
$N_{det\_\gamma\_from\_bar\_and\_cone}/N_{cher\_\gamma}$

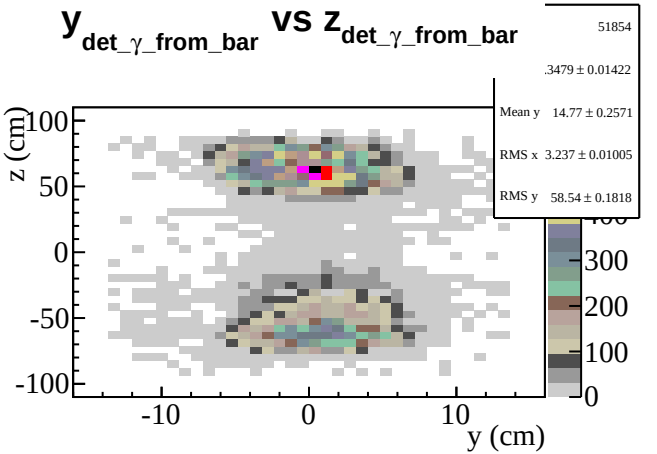

N det_γ_directly/N γ_refl_from_gc_mirror
7756
Mean 0.3339 ± 0.0006256
RMS 0.05509 ± 0.0004423
N det_γ_directly/N γ_refl_from_gc_mirror

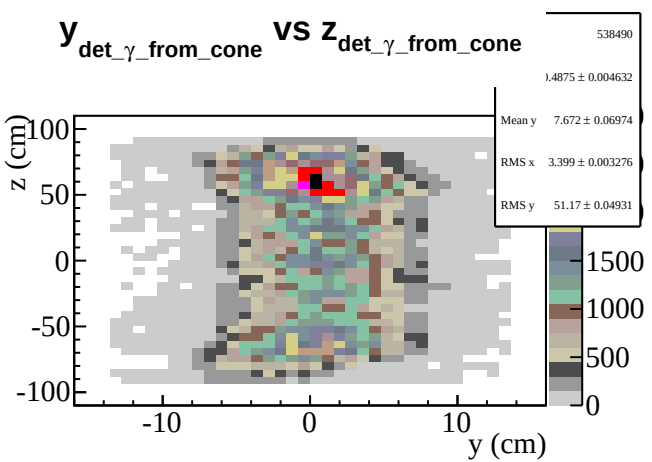

N det_γ_from_bar/N γ_refl_from_gc_mirror
6307
Mean 0.03176 ± 0.0003274
RMS 0.026 ± 0.0002315
N det_γ_from_bar/N γ_refl_from_gc_mirror

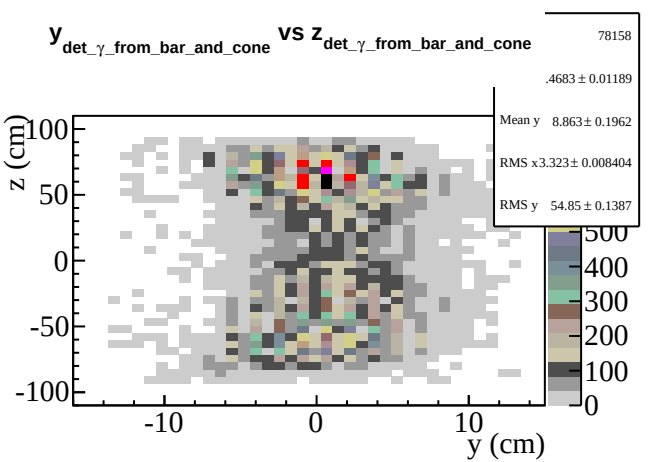

N det_γ_from_cone/N γ_refl_from_gc_mirror
7757
Mean 0.2673 ± 0.0005116
RMS 0.04506 ± 0.0003618
N det_γ_from_cone/N γ_refl_from_gc_mirror


N det_γ_from_bar_and_cone/N γ_refl_from_gc_mirror
7724
Mean 0.03899 ± 0.0001929
RMS 0.01695 ± 0.0001364
N det_γ_from_bar_and_cone/N γ_refl_from_gc_mirror

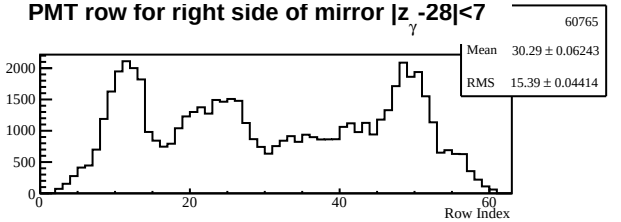

y det_γ_direct vs z det_γ_direct
672519
.476 ± 0.003892
Mean y 7.014 ± 0.0621
RMS x 3.191 ± 0.002752
RMS y 50.93 ± 0.04391
z (cm)
y (cm)

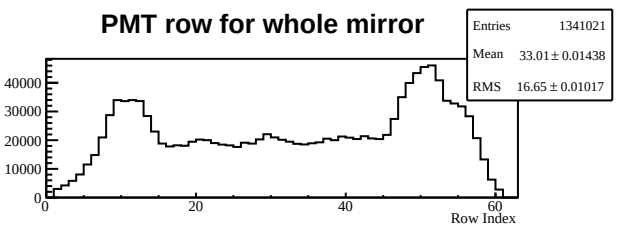

y det_γ_from_bar vs z det_γ_from_bar
51854
.3479 ± 0.01422
Mean y 14.77 ± 0.2571
RMS x 3.237 ± 0.01005
RMS y 58.54 ± 0.1818
z (cm)
y (cm)

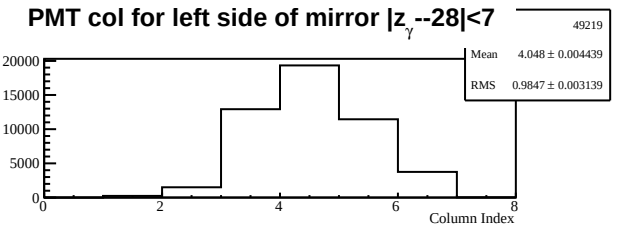

y det_γ_from_cone vs z det_γ_from_cone
538490
).4875 ± 0.004632
Mean y 7.672 ± 0.06974
RMS x 3.399 ± 0.003276
RMS y 51.17 ± 0.04931
z (cm)
y (cm)

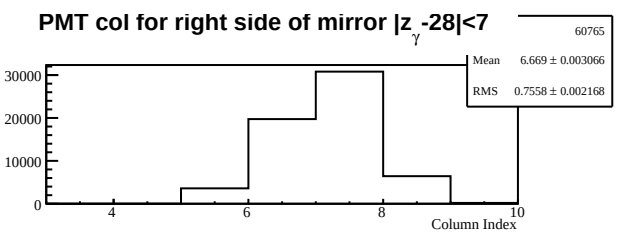

y det_γ_from_bar_and_cone vs z det_γ_from_bar_and_cone
78158
.4683 ± 0.01189
Mean y 8.863 ± 0.1962
RMS x 3.323 ± 0.008404
RMS y 54.85 ± 0.1387
z (cm)
y (cm)

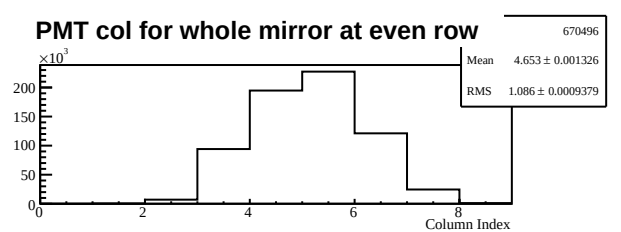

PMT row for left side of mirror |z_γ-28|<7
49219
Mean 31.95 ± 0.07803
RMS 17.31 ± 0.05517
Row Index

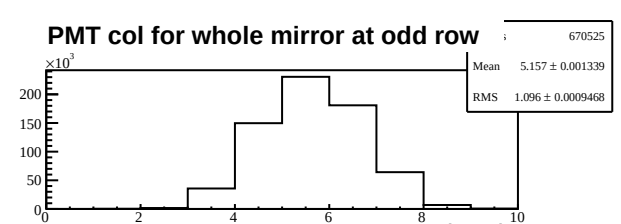

PMT row for right side of mirror |z_γ-28|<7
60765
Mean 30.29 ± 0.06243
RMS 15.39 ± 0.04414
Row Index

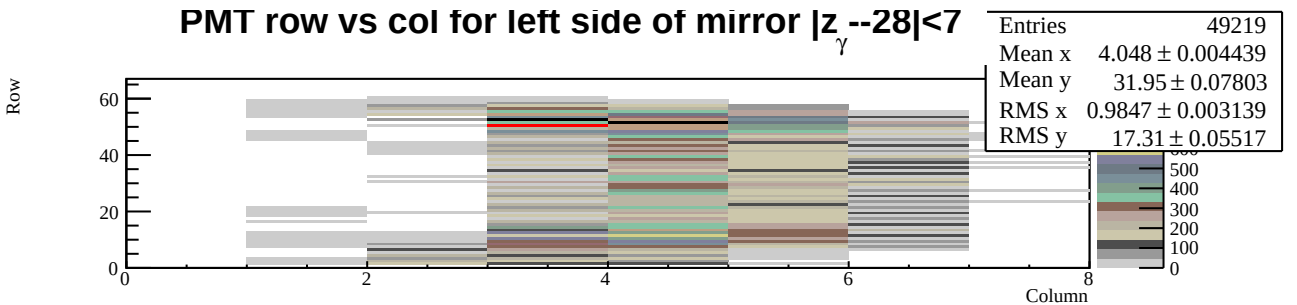

PMT row for whole mirror
Entries 1341021
Mean 33.01 ± 0.01438
RMS 16.65 ± 0.01017
Row Index

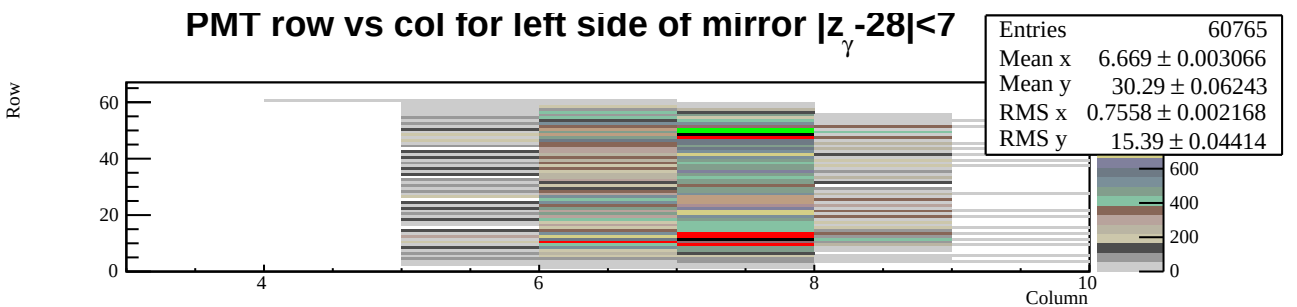

PMT col for left side of mirror |z_γ-28|<7
49219
Mean 4.048 ± 0.004439
RMS 0.9847 ± 0.003139
Column Index

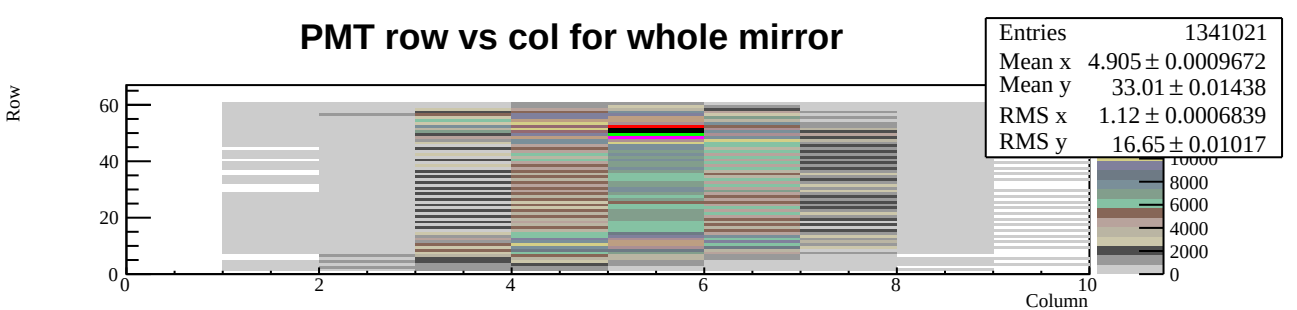

PMT col for right side of mirror |z_γ-28|<7
60765
Mean 6.669 ± 0.003066
RMS 0.7558 ± 0.002168
Column Index


PMT col for whole mirror at even row
670496
Mean 4.653 ± 0.001326
RMS 1.086 ± 0.0009379
Column Index

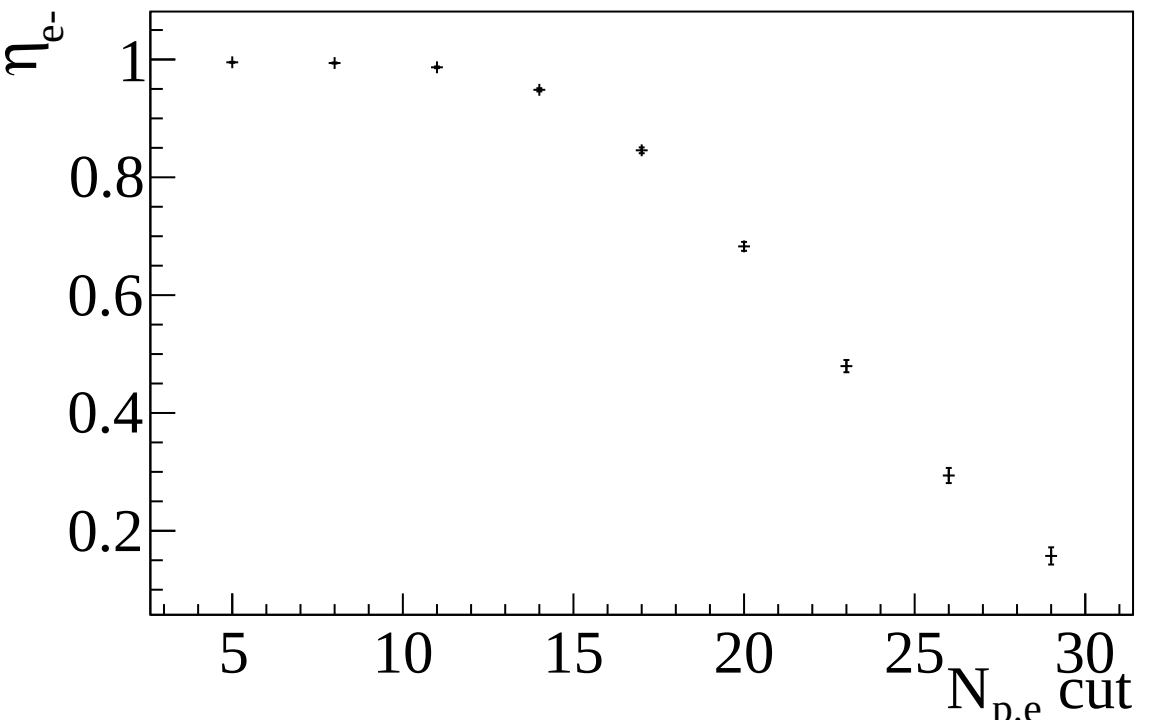

PMT col for whole mirror at odd row
670525
Mean 5.157 ± 0.001339
RMS 1.096 ± 0.0009468
Column Index


PMT row vs col for left side of mirror |z_γ -28|<7
Entries 49219
Mean x 4.048 ± 0.004439
Mean y 31.95 ± 0.07803
RMS x 0.9847 ± 0.003139
RMS y 17.31 ± 0.05517
Row
Column

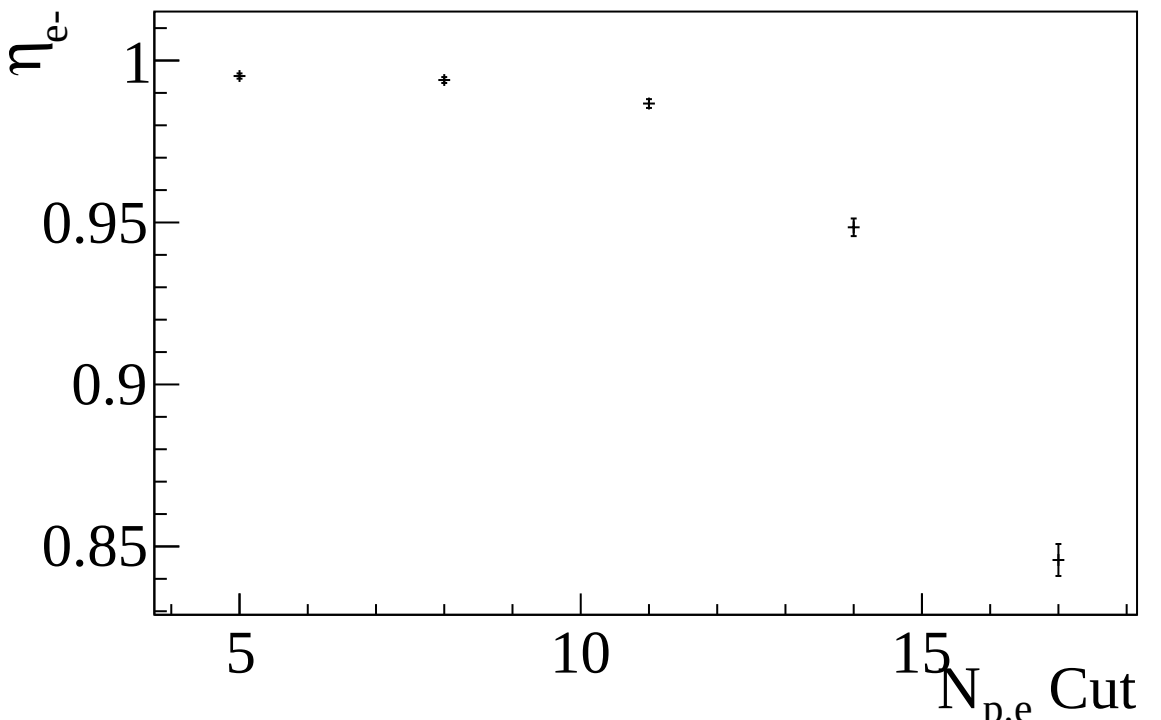

PMT row vs col for left side of mirror |z_γ -28|<7
Entries 60765
Mean x 6.669 ± 0.003066
Mean y 30.29 ± 0.06243
RMS x 0.7558 ± 0.002168
RMS y 15.39 ± 0.04414
Row
Column


PMT row vs col for whole mirror
Entries 1341021
Mean x 4.905 ± 0.0009672
Mean y 33.01 ± 0.01438
RMS x 1.12 ± 0.0006839
RMS y 16.65 ± 0.01017
Row
Column

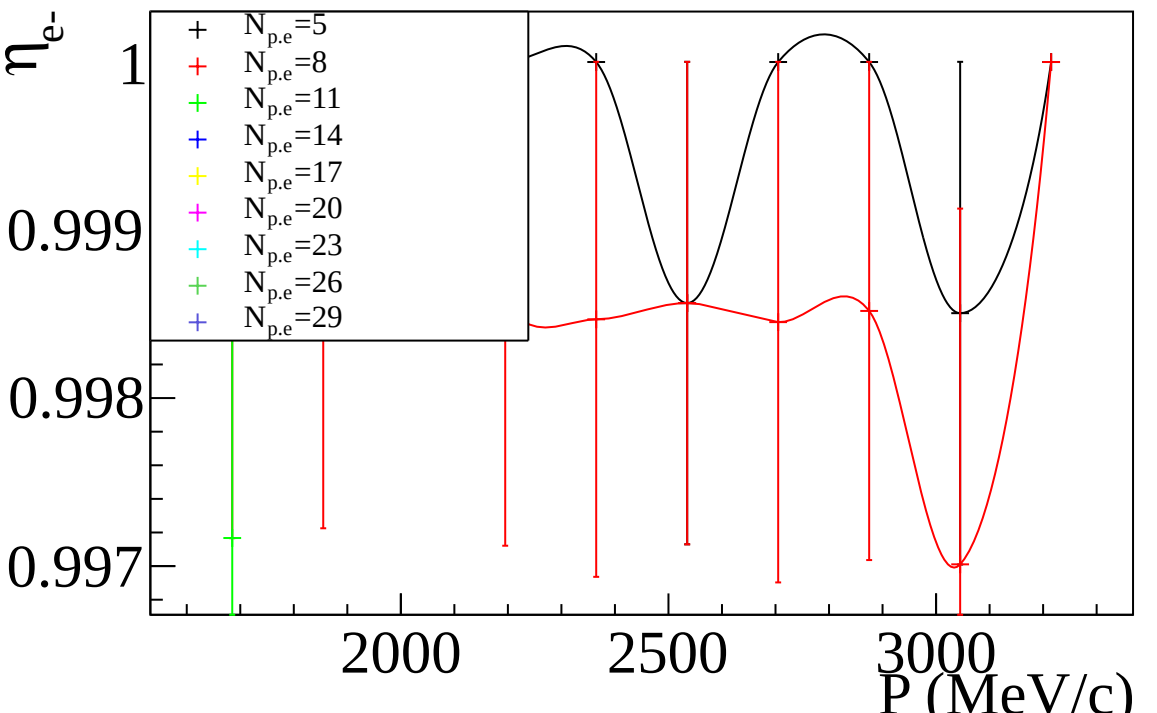
e- efficiency (η_{e-}) vs $N_{p.e}$ cut



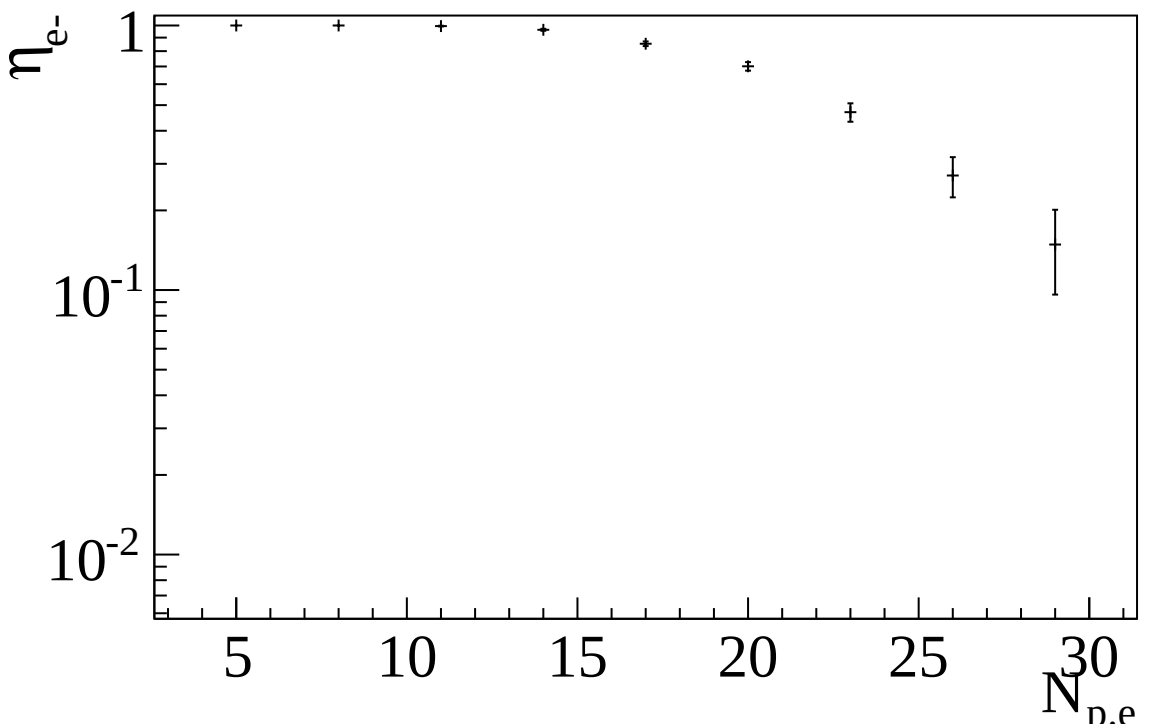
e- efficiency (η_{e-}) vs $N_{p.e}$ cut (Zoom)



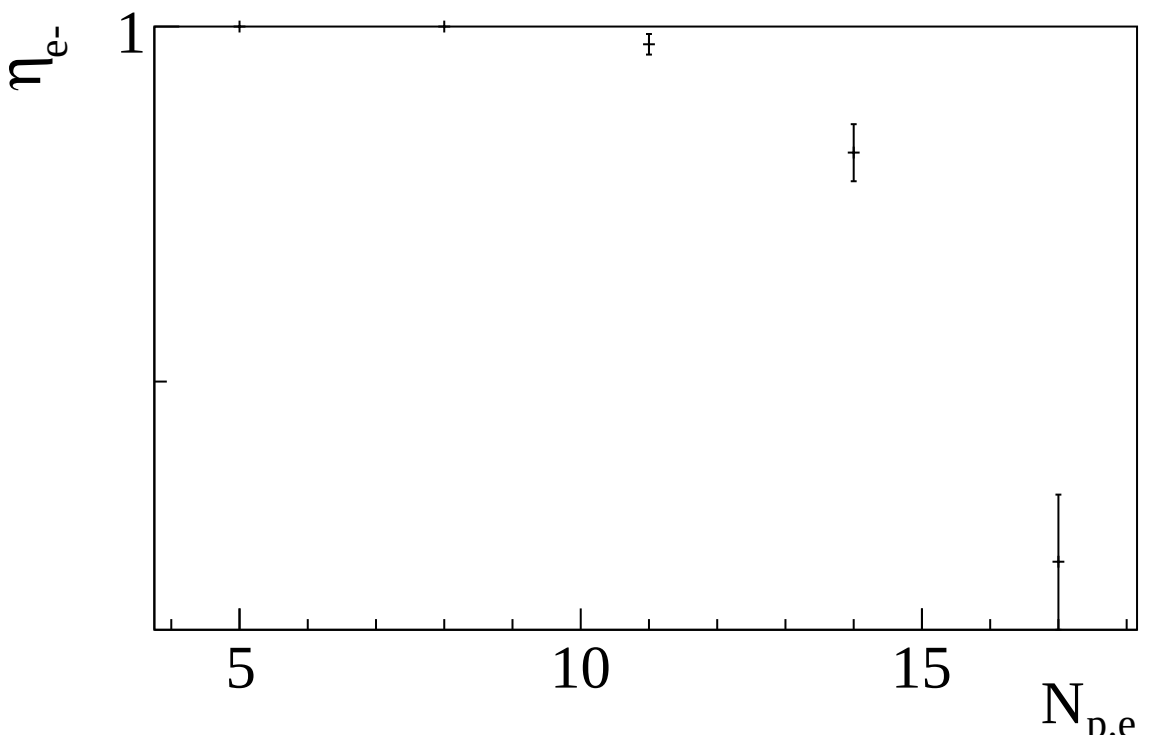
e- efficiency (η_{e-}) vs P (MeV/c) for different $N_{p.e}$ cut



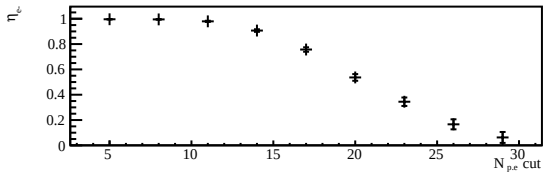
e- efficiency (η_{e-}) vs $N_{p.e}$ for P=3215 MeV/c



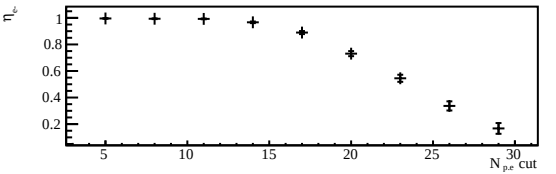
e- efficiency (η_{e-}) vs $N_{p.e}$ for P=3215 MeV/c (Zoom)



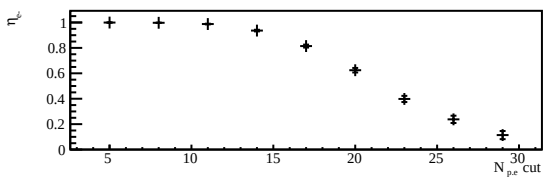
e- efficiency (η_{e^-}) vs $N_{p.e}$ cut with $|Hor_{mir}$ --18|<18&&Mirror=1



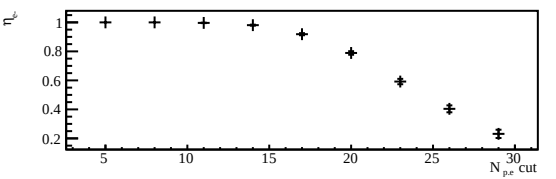
e- efficiency (η_{e^-}) vs $N_{p.e}$ cut with $|Hor_{mir}$ -18|<18&&Mirror=1



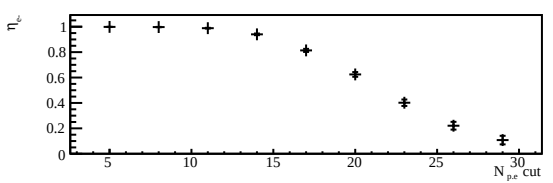
e- efficiency (η_{e^-}) vs $N_{p.e}$ cut with $|Hor_{mir}$ --18|<18&&Mirror=2



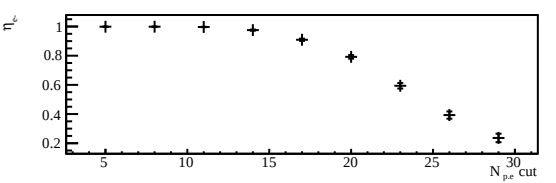
e- efficiency (η_{e^-}) vs $N_{p.e}$ cut with $|Hor_{mir}$ -18|<18&&Mirror=2



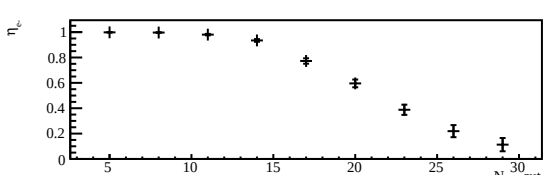
e- efficiency (η_{e^-}) vs $N_{p.e}$ cut with $|Hor_{mir}$ --18|<18&&Mirror=3



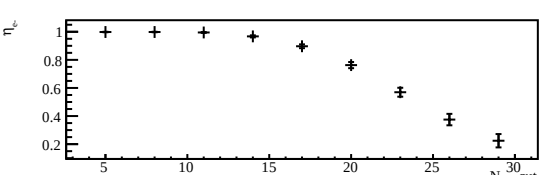
e- efficiency (η_{e^-}) vs $N_{p.e}$ cut with $|Hor_{mir}$ -18|<18&&Mirror=3



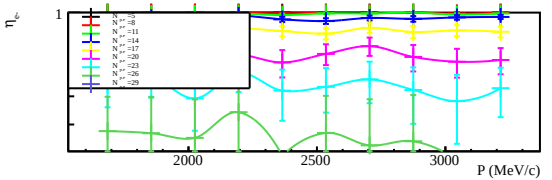
e- efficiency (η_{e^-}) vs $N_{p.e}$ cut with $|Hor_{mir}$ --18|<18&&Mirror=4



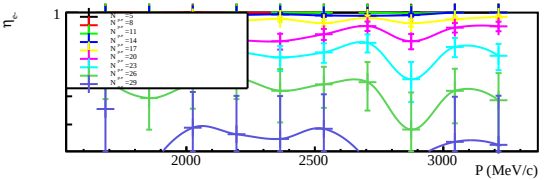
e- efficiency (η_{e^-}) vs $N_{p.e}$ cut with $|Hor_{mir}$ -18|<18&&Mirror=4



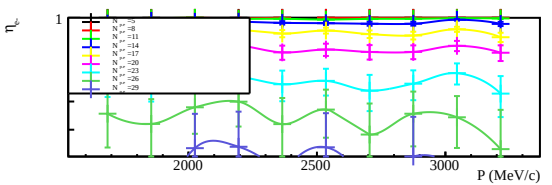
e- efficiency (η_{e^-}) vs P (MeV/c) for different $N_{p.e}$ cut with |Hor_{mir} --18|<18&&Mirror=1



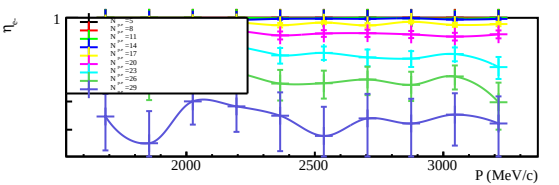
e- efficiency (η_{e^-}) vs P (MeV/c) for different $N_{p.e}$ cut with |Hor_{mir} -18|<18&&Mirror=1



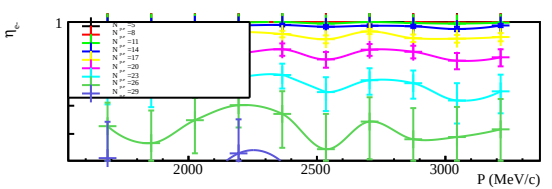
e- efficiency (η_{e^-}) vs P (MeV/c) for different $N_{p.e}$ cut with |Hor_{mir} --18|<18&&Mirror=2



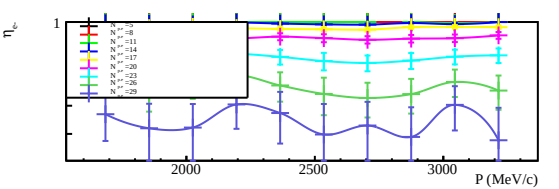
e- efficiency (η_{e^-}) vs P (MeV/c) for different $N_{p.e}$ cut with |Hor_{mir} -18|<18&&Mirror=2



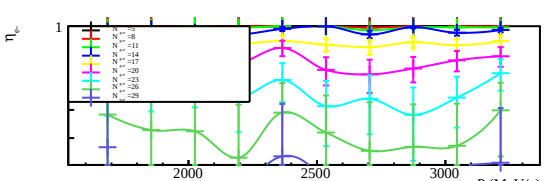
e- efficiency (η_{e^-}) vs P (MeV/c) for different $N_{p.e}$ cut with |Hor_{mir} --18|<18&&Mirror=3



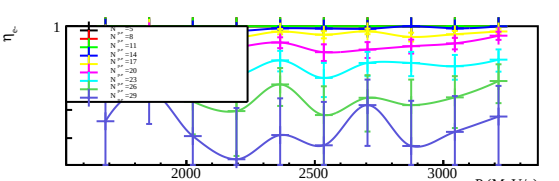
e- efficiency (η_{e^-}) vs P (MeV/c) for different $N_{p.e}$ cut with |Hor_{mir} -18|<18&&Mirror=3



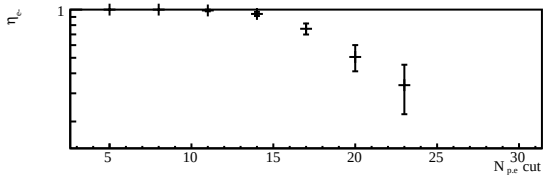
e- efficiency (η_{e^-}) vs P (MeV/c) for different $N_{p.e}$ cut with |Hor_{mir} --18|<18&&Mirror=4



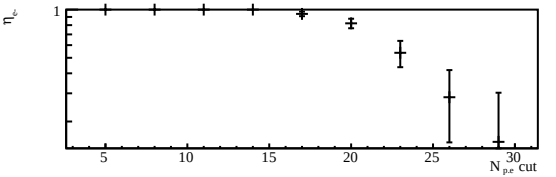
e- efficiency (η_{e^-}) vs P (MeV/c) for different $N_{p.e}$ cut with |Hor_{mir} -18|<18&&Mirror=4



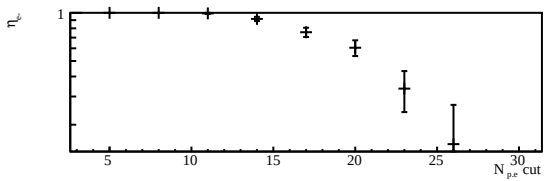
e- efficiency (η_{e^-}) vs $N_{p.e}$ for P=3215 MeV/c with |Hor_{mir} --18|<18&&Mirror=1



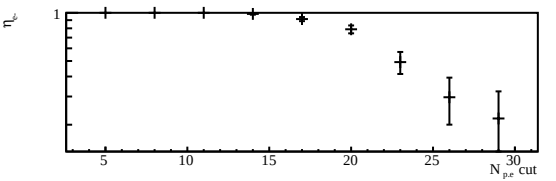
e- efficiency (η_{e^-}) vs $N_{p.e}$ for P=3215 MeV/c with |Hor_{mir} -18|<18&&Mirror=1



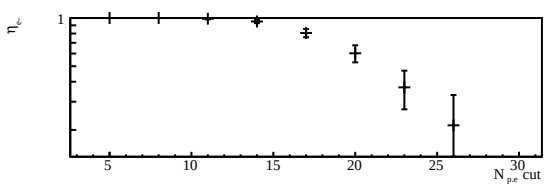
e- efficiency (η_{e^-}) vs $N_{p.e}$ for P=3215 MeV/c with |Hor_{mir} --18|<18&&Mirror=2



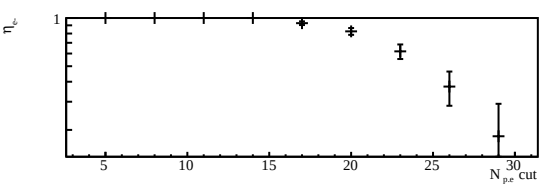
e- efficiency (η_{e^-}) vs $N_{p.e}$ for P=3215 MeV/c with |Hor_{mir} -18|<18&&Mirror=2



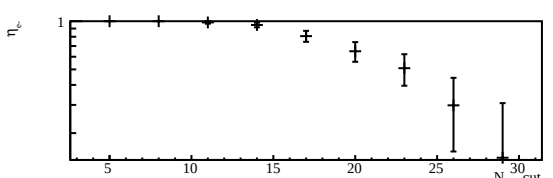
e- efficiency (η_{e^-}) vs $N_{p.e}$ for P=3215 MeV/c with |Hor_{mir} --18|<18&&Mirror=3



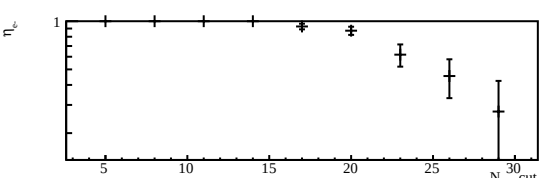
e- efficiency (η_{e^-}) vs $N_{p.e}$ for P=3215 MeV/c with |Hor_{mir} -18|<18&&Mirror=3

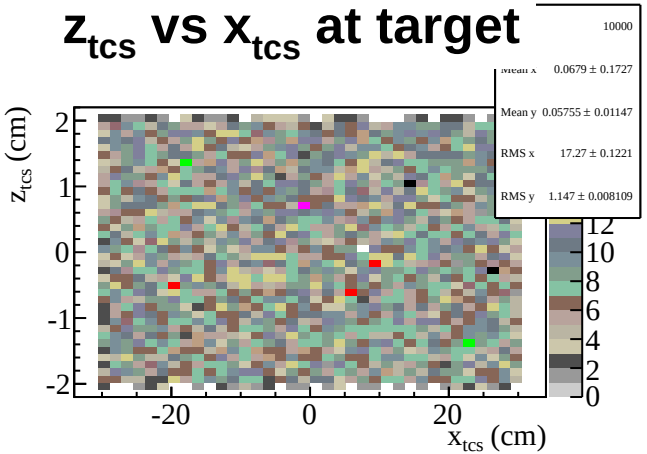


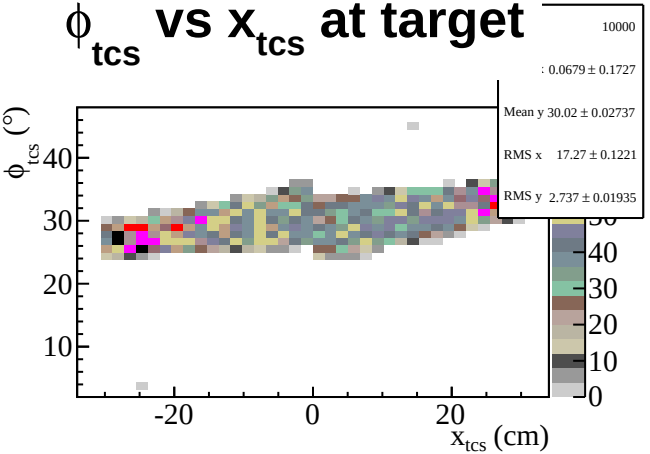
e- efficiency (η_{e^-}) vs $N_{p.e}$ for P=3215 MeV/c with |Hor_{mir} --18|<18&&Mirror=4

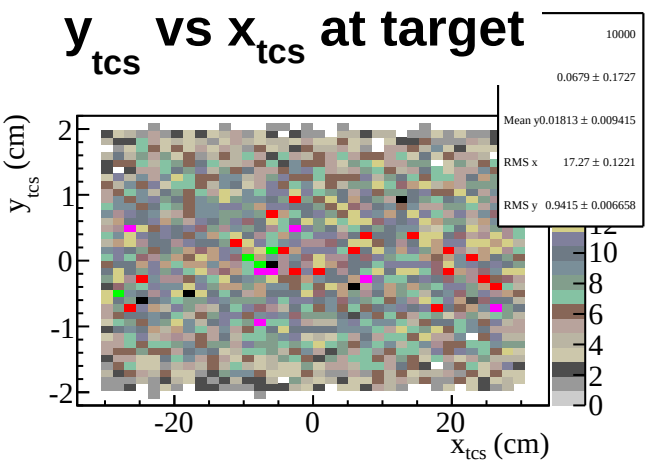


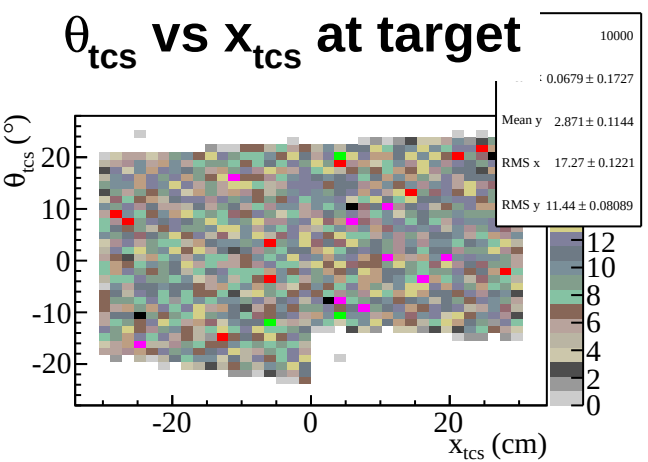
e- efficiency (η_{e^-}) vs $N_{p.e}$ for P=3215 MeV/c with |Hor_{mir} -18|<18&&Mirror=4

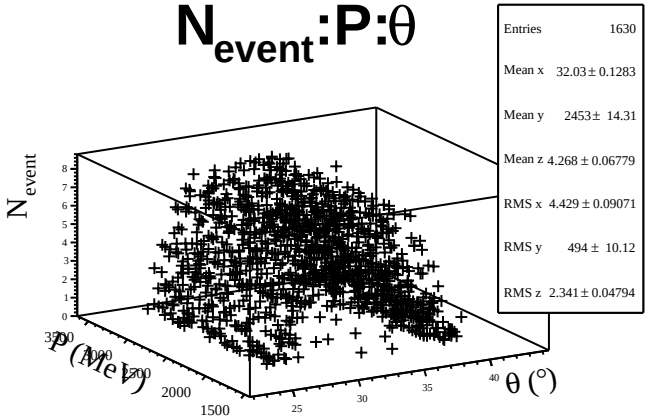


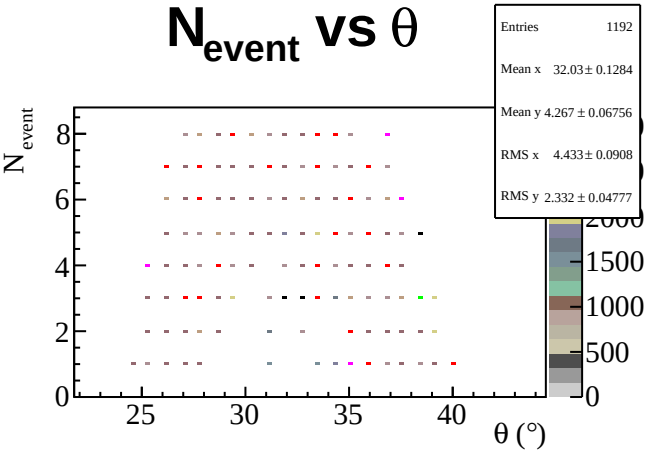

z_{tcs} vs x_{tcs} at target
10000
Mean x 0.0679 ± 0.1727
Mean y 0.05755 ± 0.01147
RMS x 17.27 ± 0.1221
RMS y 1.147 ± 0.008109
z_{tcs} (cm)
x_{tcs} (cm)

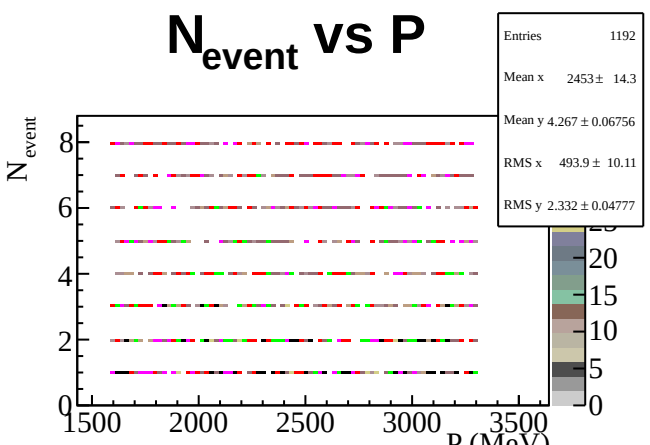

ϕ_{tcs} vs x_{tcs} at target
10000
: 0.0679 ± 0.1727
Mean y 30.02 ± 0.02737
RMS x 17.27 ± 0.1221
RMS y 2.737 ± 0.01935
ϕ_{tcs} (°)
x_{tcs} (cm)

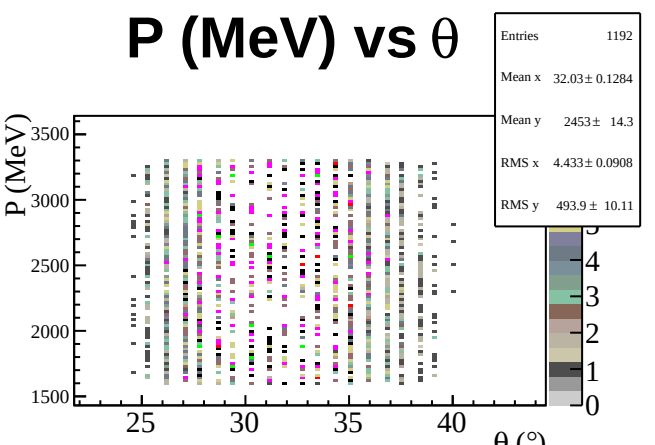

y_{tcs} vs x_{tcs} at target
10000
0.0679 ± 0.1727
Mean y 0.01813 ± 0.009415
RMS x 17.27 ± 0.1221
RMS y 0.9415 ± 0.006658
y_{tcs} (cm)
x_{tcs} (cm)

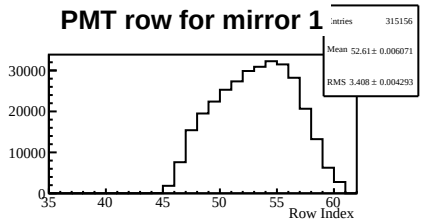

θ_{tcs} vs x_{tcs} at target
10000
: 0.0679 ± 0.1727
Mean y 2.871 ± 0.1144
RMS x 17.27 ± 0.1221
RMS y 11.44 ± 0.08089
θ_{tcs} (°)
x_{tcs} (cm)

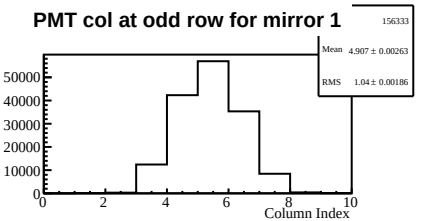

N_{event}:P:θ
Entries 1630
Mean x 32.03 ± 0.1283
Mean y 2453 ± 14.31
Mean z 4.268 ± 0.06779
RMS x 4.429 ± 0.09071
RMS y 494 ± 10.12
RMS z 2.341 ± 0.04794
N_{event}
P (MeV)
θ (°)

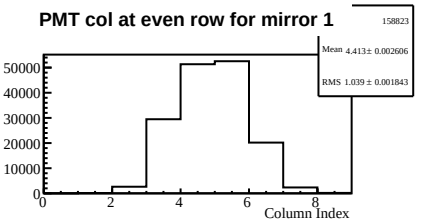

N_{event} vs θ
Entries 1192
Mean x 32.03 ± 0.1284
Mean y 4.267 ± 0.06756
RMS x 4.433 ± 0.0908
RMS y 2.332 ± 0.04777
N_{event}
θ (°)

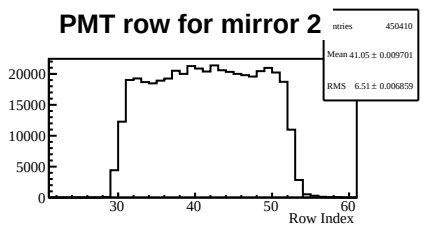

N_{event} vs P
Entries 1192
Mean x 2453 ± 14.3
Mean y 4.267 ± 0.06756
RMS x 493.9 ± 10.11
RMS y 2.332 ± 0.04777
N_{event}
P (MeV)

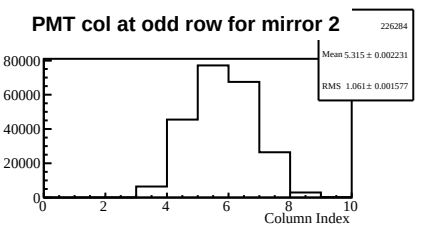

P (MeV) vs θ
Entries 1192
Mean x 32.03 ± 0.1284
Mean y 2453 ± 14.3
RMS x 4.433 ± 0.0908
RMS y 493.9 ± 10.11
P (MeV)
θ (°)

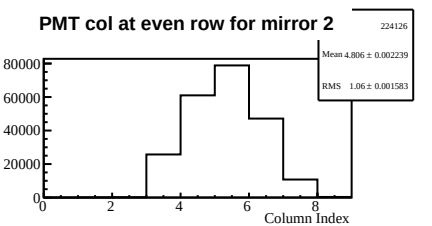

PMT row for mirror 1
ntries 315156
Mean 52.61 ± 0.006071
RMS 3.408 ± 0.004293
Row Index

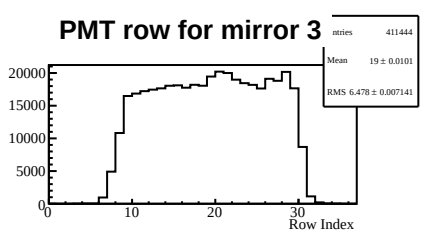

PMT col at odd row for mirror 1
156333
Mean 4.907 ± 0.00263
RMS 1.04 ± 0.00186
Column Index

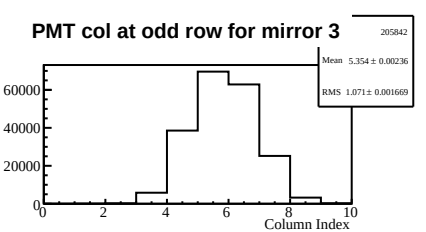

PMT col at even row for mirror 1
158823
Mean 4.413 ± 0.002606
RMS 1.039 ± 0.001843
Column Index

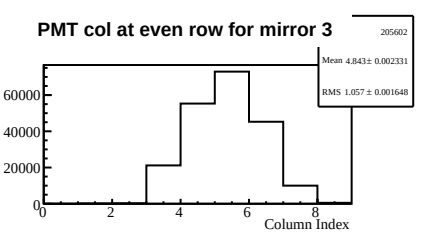

PMT row for mirror 2
ntries 450410
Mean 41.05 ± 0.009701
RMS 6.51 ± 0.006859
Row Index

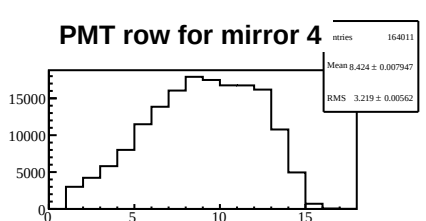

PMT col at odd row for mirror 2
226284
Mean 5.315 ± 0.002231
RMS 1.061 ± 0.001577
Column Index

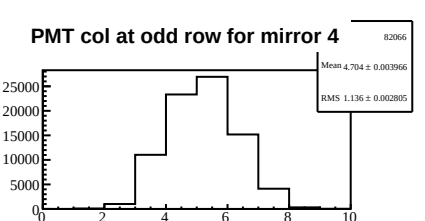

PMT col at even row for mirror 2
224126
Mean 4.806 ± 0.002239
RMS 1.06 ± 0.001583
Column Index

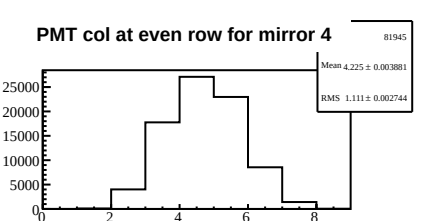

PMT row for mirror 3
ntries 411444
Mean 19 ± 0.0101
RMS 6.478 ± 0.007141
Row Index


PMT col at odd row for mirror 3
205842
Mean 5.354 ± 0.00236
RMS 1.071 ± 0.001669
Column Index


PMT col at even row for mirror 3
205602
Mean 4.843 ± 0.002331
RMS 1.057 ± 0.001648
Column Index


PMT row for mirror 4
ntries 164011
Mean 8.424 ± 0.007947
RMS 3.219 ± 0.00562
Row Index


PMT col at odd row for mirror 4
82066
Mean 4.704 ± 0.003966
RMS 1.136 ± 0.002805
Column Index


PMT col at even row for mirror 4
81945
Mean 4.225 ± 0.003881
RMS 1.111 ± 0.002744
Column Index