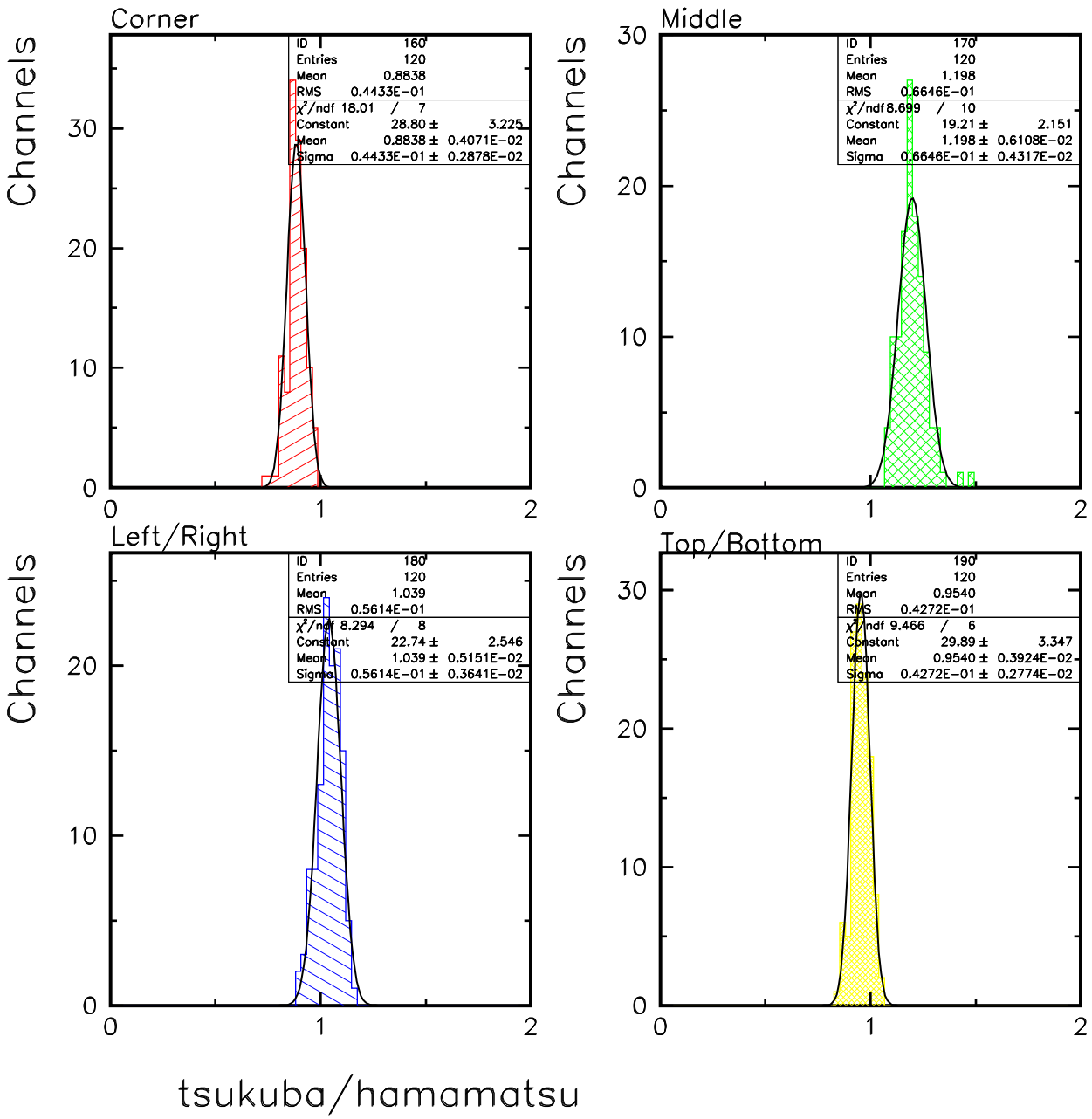
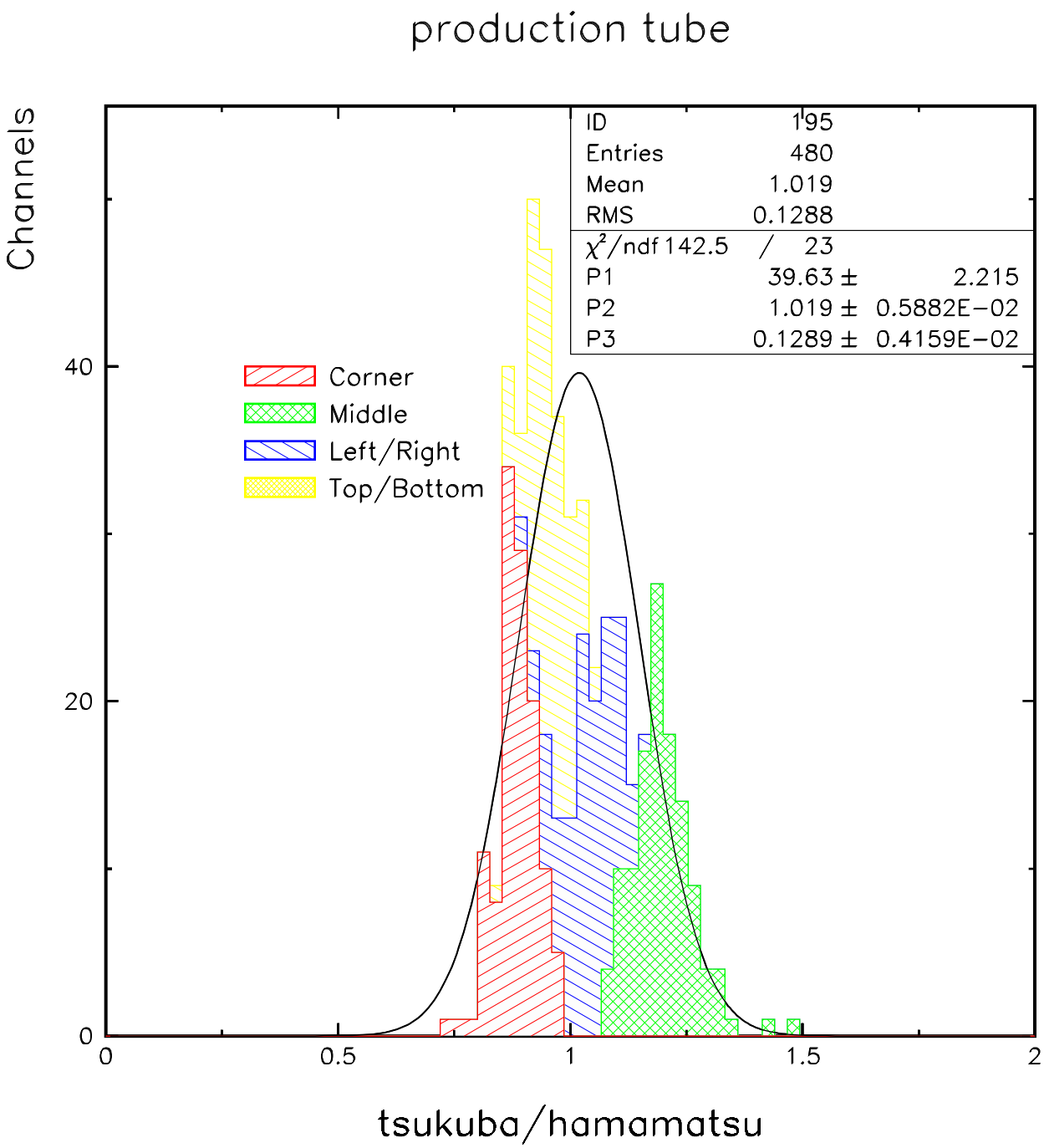
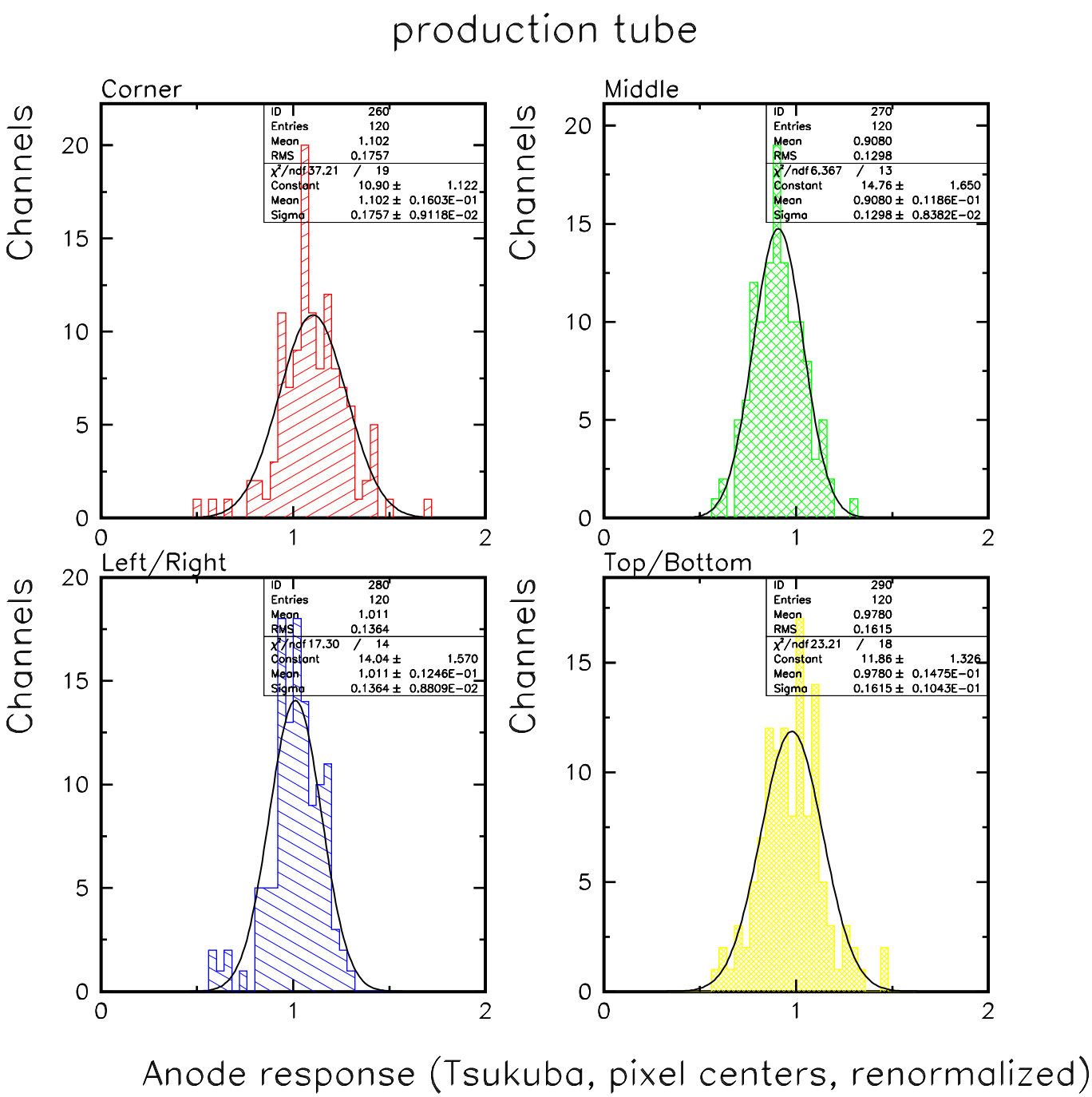
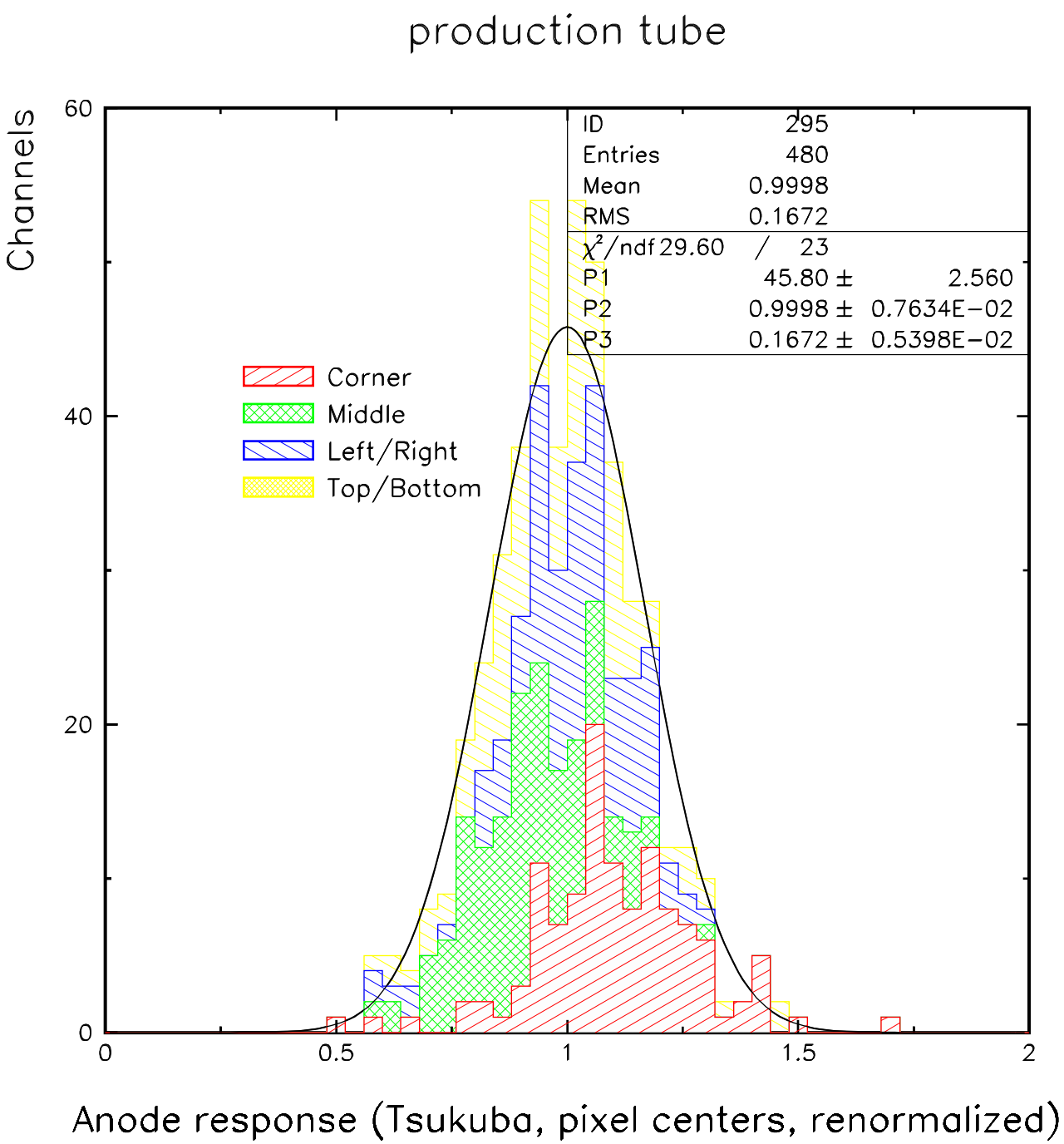
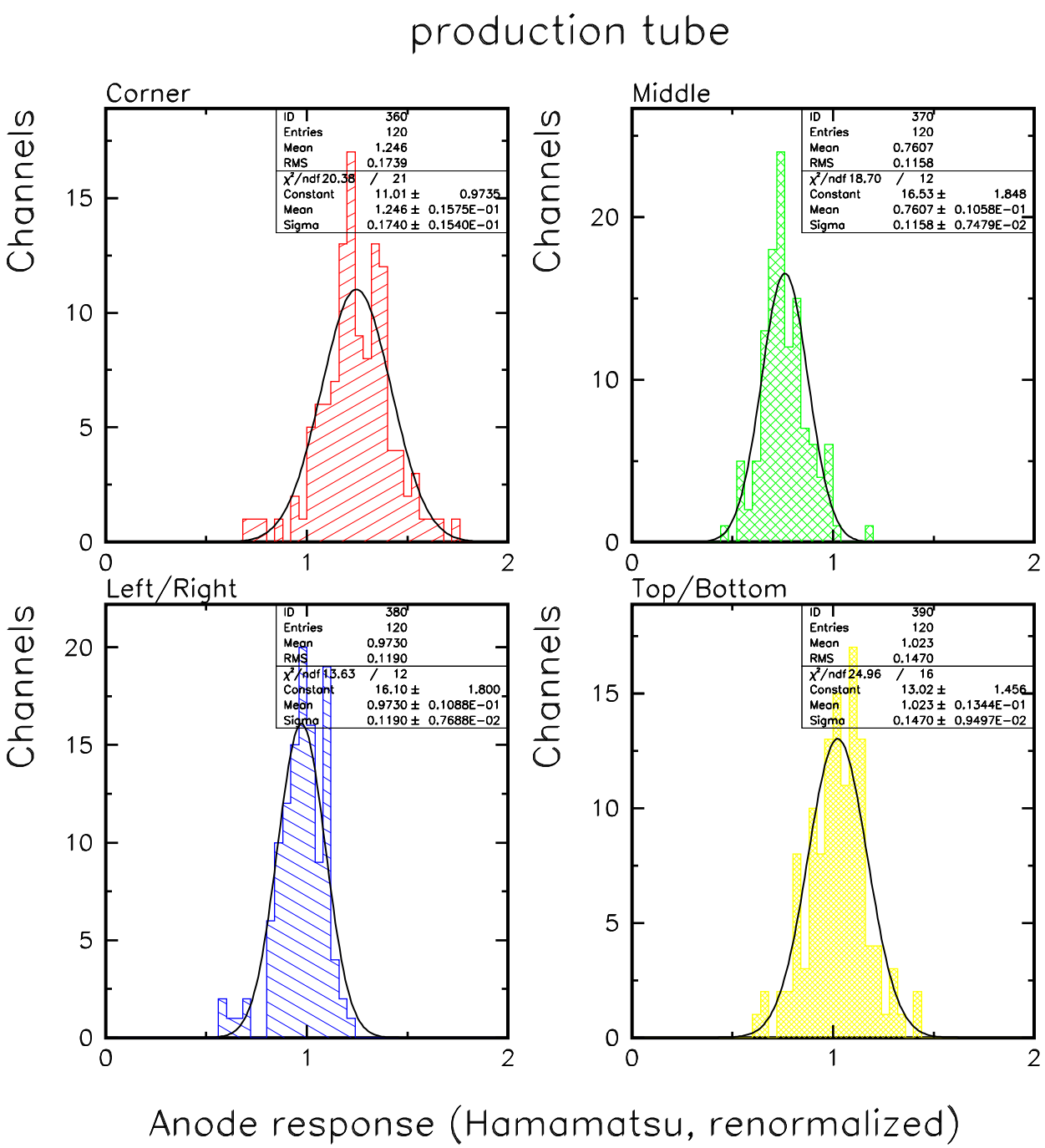
# Anode response comparison production tube

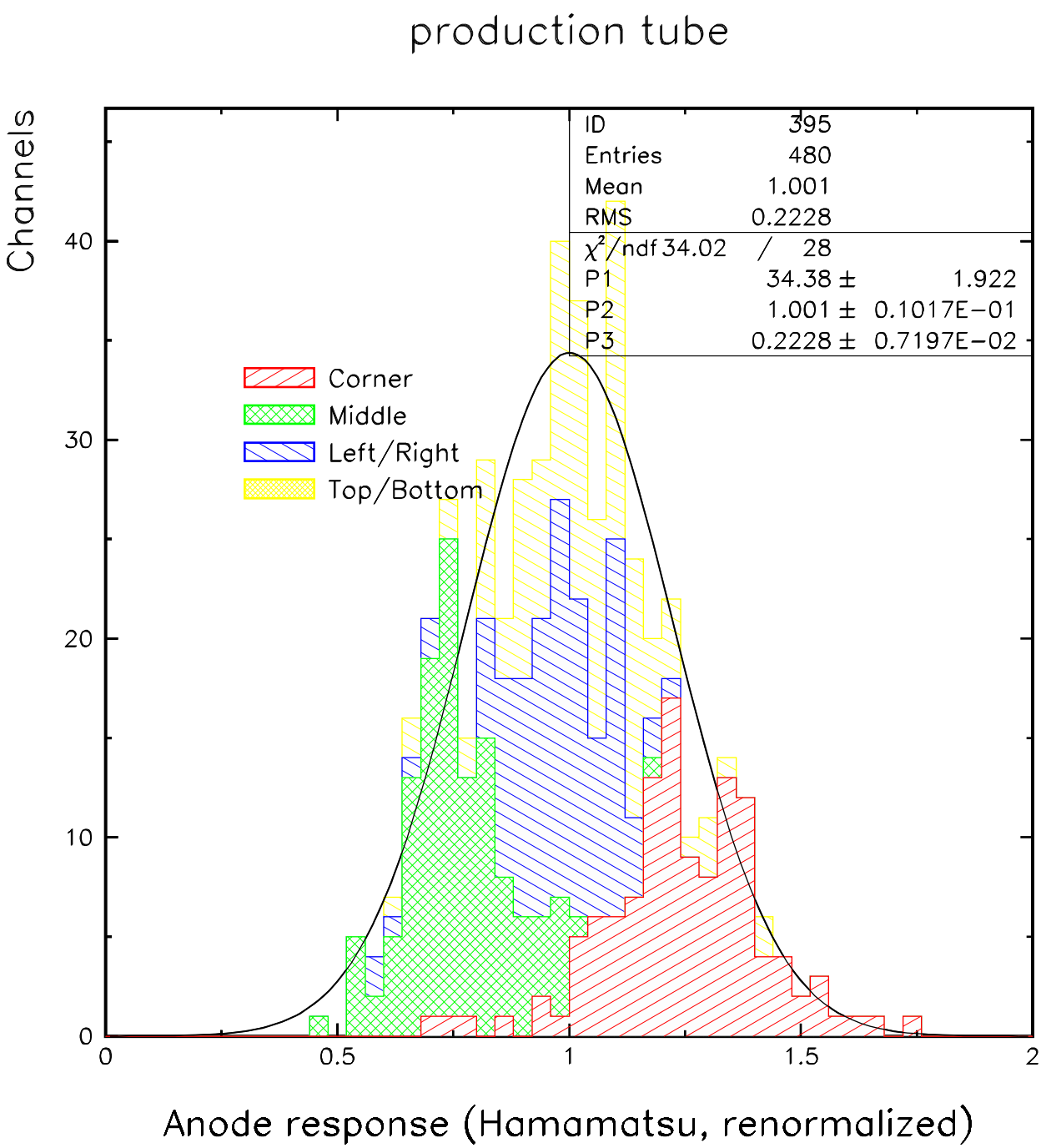



production tube
Channels
ID 195
Entries 480
Mean 1.019
RMS 0.1288
χ²/ndf 142.5 / 23
P1 39.63 ± 2.215
P2 1.019 ± 0.5882E−02
P3 0.1289 ± 0.4159E−02
Corner
Middle
Left/Right
Top/Bottom
0
20
40
0
0.5
1
1.5
2
tsukuba/hamamatsu


production tube
Corner
ID 260
Entries 120
Mean 1.102
RMS 0.1757
χ²/ndf 37.21 / 19
Constant 10.90 ± 1.122
Mean 1.102 ± 0.1603E-01
Sigma 0.1757 ± 0.9118E-02
Middle
ID 270
Entries 120
Mean 0.9080
RMS 0.1298
χ²/ndf 6.367 / 13
Constant 14.76 ± 1.650
Mean 0.9080 ± 0.1186E-01
Sigma 0.1298 ± 0.8382E-02
Left/Right
ID 280
Entries 120
Mean 1.011
RMS 0.1364
χ²/ndf 17.30 / 14
Constant 14.04 ± 1.570
Mean 1.011 ± 0.1246E-01
Sigma 0.1364 ± 0.8809E-02
Top/Bottom
ID 290
Entries 120
Mean 0.9780
RMS 0.1615
χ²/ndf 23.21 / 18
Constant 11.86 ± 1.326
Mean 0.9780 ± 0.1475E-01
Sigma 0.1615 ± 0.1043E-01
Channels
Anode response (Tsukuba, pixel centers, renormalized)


production tube
Channels
60
40
20
0
0
0.5
1
1.5
2
ID 295
Entries 480
Mean 0.9998
RMS 0.1672
χ²/ndf 29.60 / 23
P1 45.80 ± 2.560
P2 0.9998 ± 0.7634E−02
P3 0.1672 ± 0.5398E−02
Corner
Middle
Left/Right
Top/Bottom
Anode response (Tsukuba, pixel centers, renormalized)


production tube
Corner
ID 360
Entries 120
Mean 1.246
RMS 0.1739
χ²/ndf 20.38 / 21
Constant 11.01 ± 0.9735
Mean 1.246 ± 0.1575E-01
Sigma 0.1740 ± 0.1540E-01
Middle
ID 370
Entries 120
Mean 0.7607
RMS 0.1158
χ²/ndf 18.70 / 12
Constant 16.53 ± 1.848
Mean 0.7607 ± 0.1058E-01
Sigma 0.1158 ± 0.7479E-02
Left/Right
ID 380
Entries 120
Mean 0.9730
RMS 0.1190
χ²/ndf 13.63 / 12
Constant 16.10 ± 1.800
Mean 0.9730 ± 0.1088E-01
Sigma 0.1190 ± 0.7688E-02
Top/Bottom
ID 390
Entries 120
Mean 1.023
RMS 0.1470
χ²/ndf 24.96 / 16
Constant 13.02 ± 1.456
Mean 1.023 ± 0.1344E-01
Sigma 0.1470 ± 0.9497E-02
Channels
Anode response (Hamamatsu, renormalized)


production tube
Channels
Anode response (Hamamatsu, renormalized)
ID 395
Entries 480
Mean 1.001
RMS 0.2228
χ²/ndf 34.02 / 28
P1 34.38 ± 1.922
P2 1.001 ± 0.1017E−01
P3 0.2228 ± 0.7197E−02
Corner
Middle
Left/Right
Top/Bottom
0
10
20
30
40
0
0.5
1
1.5
2