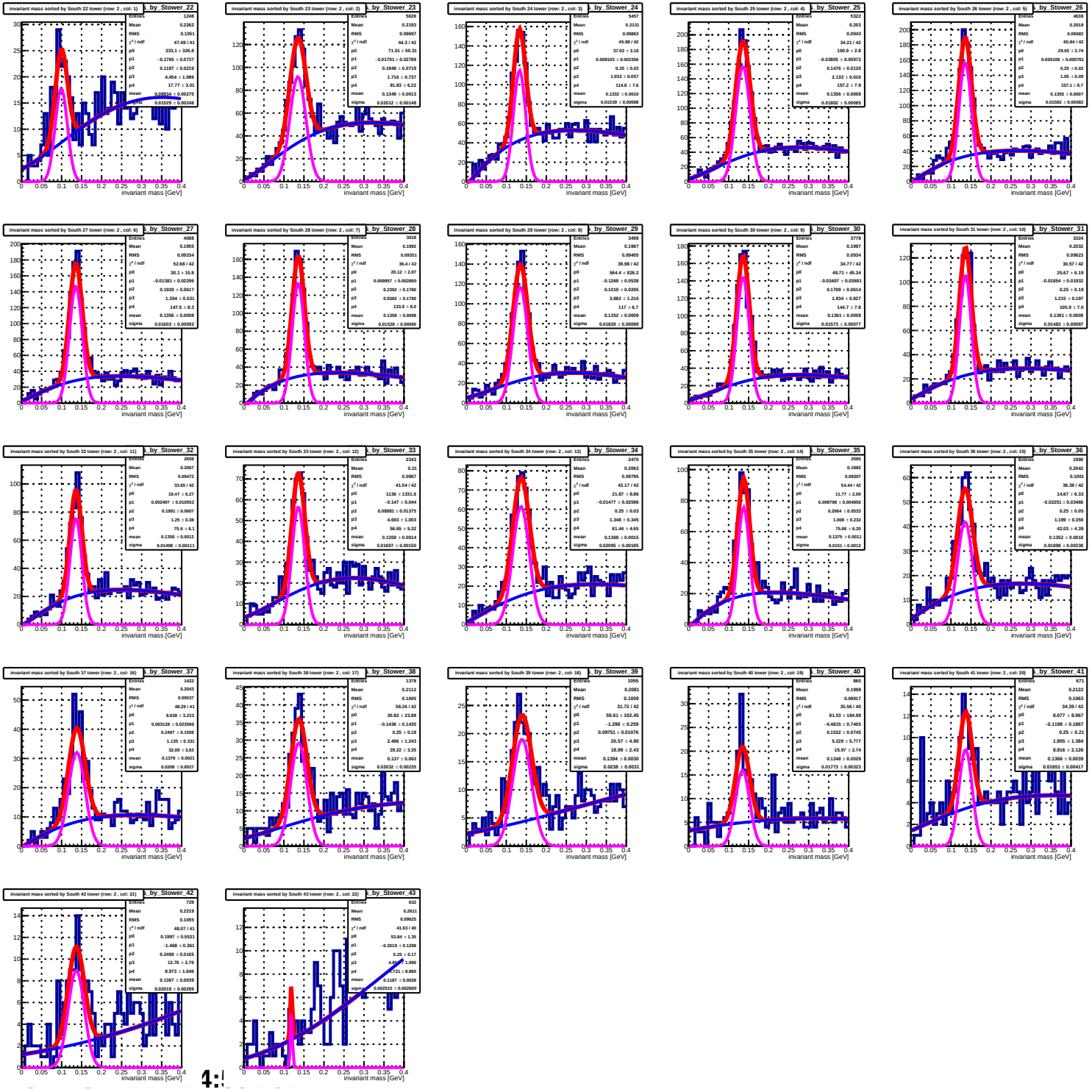
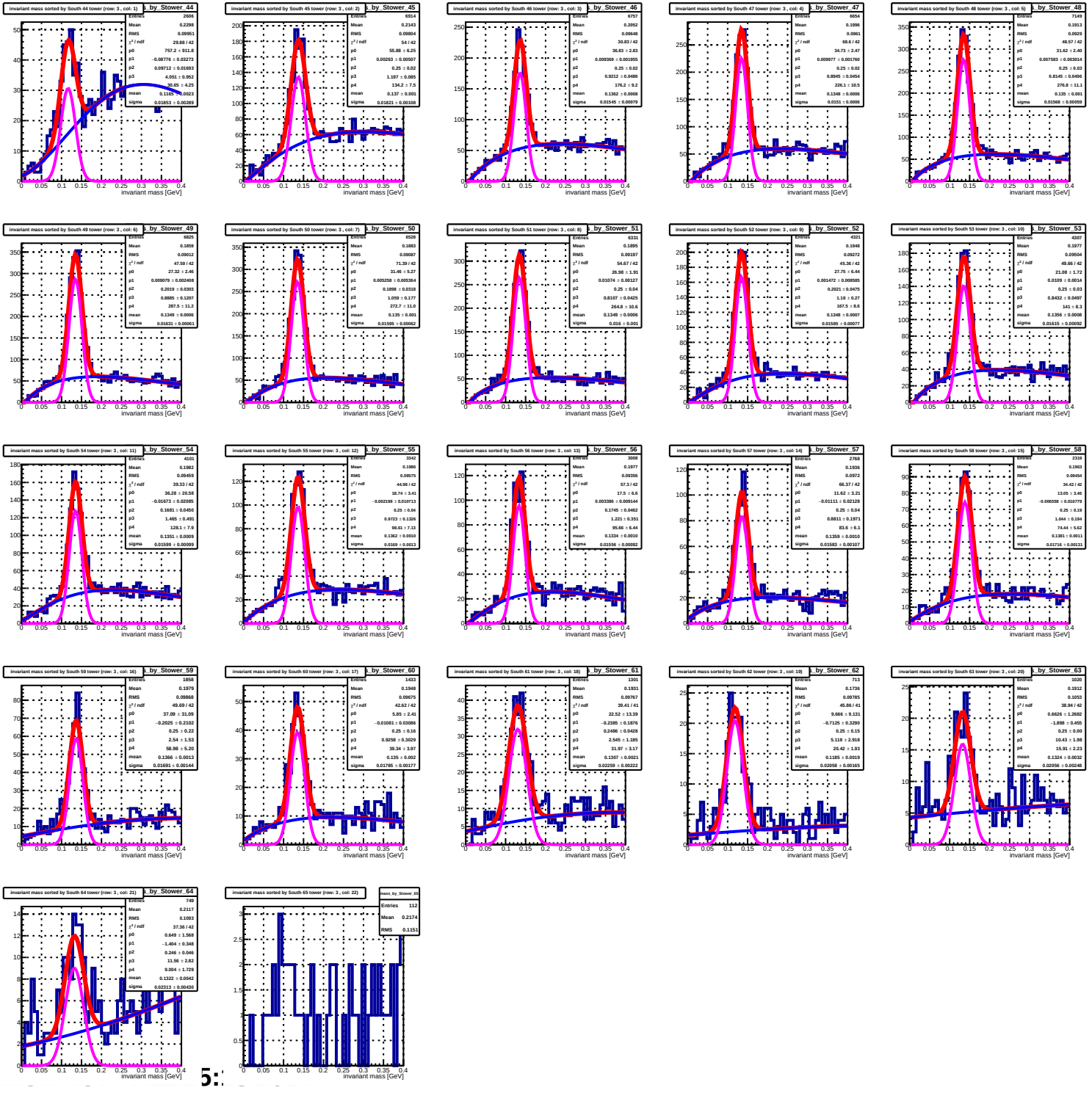
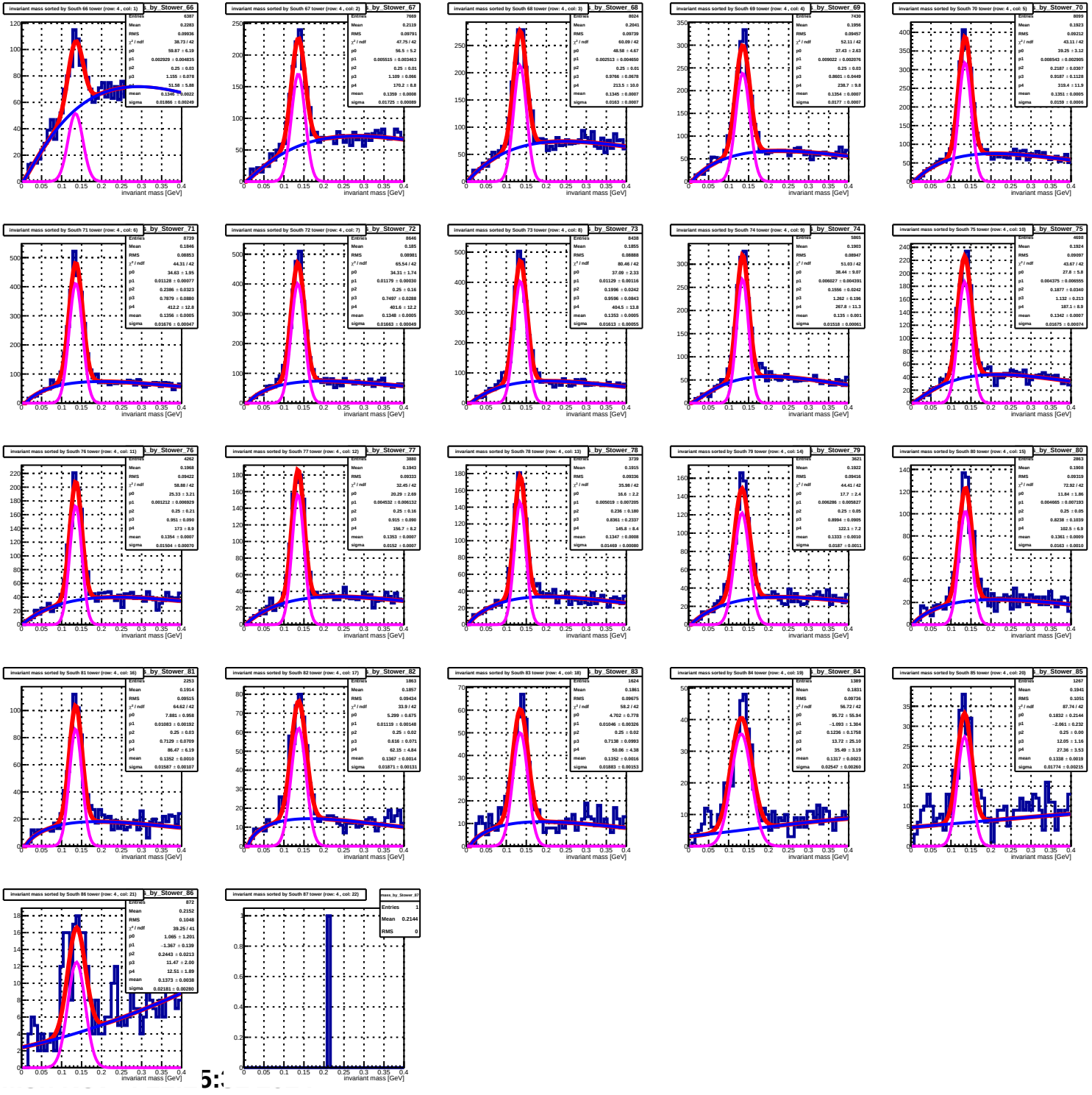
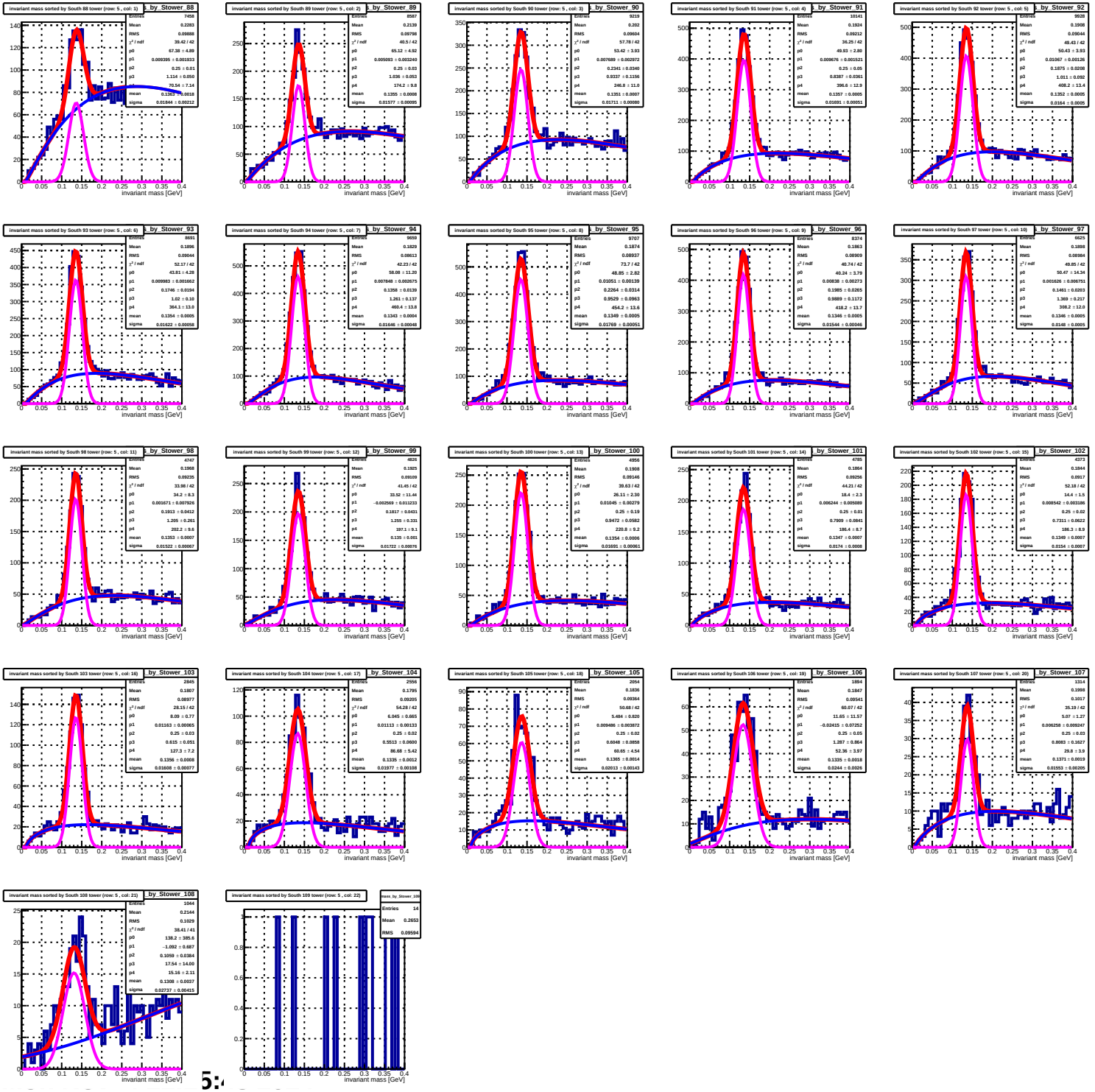
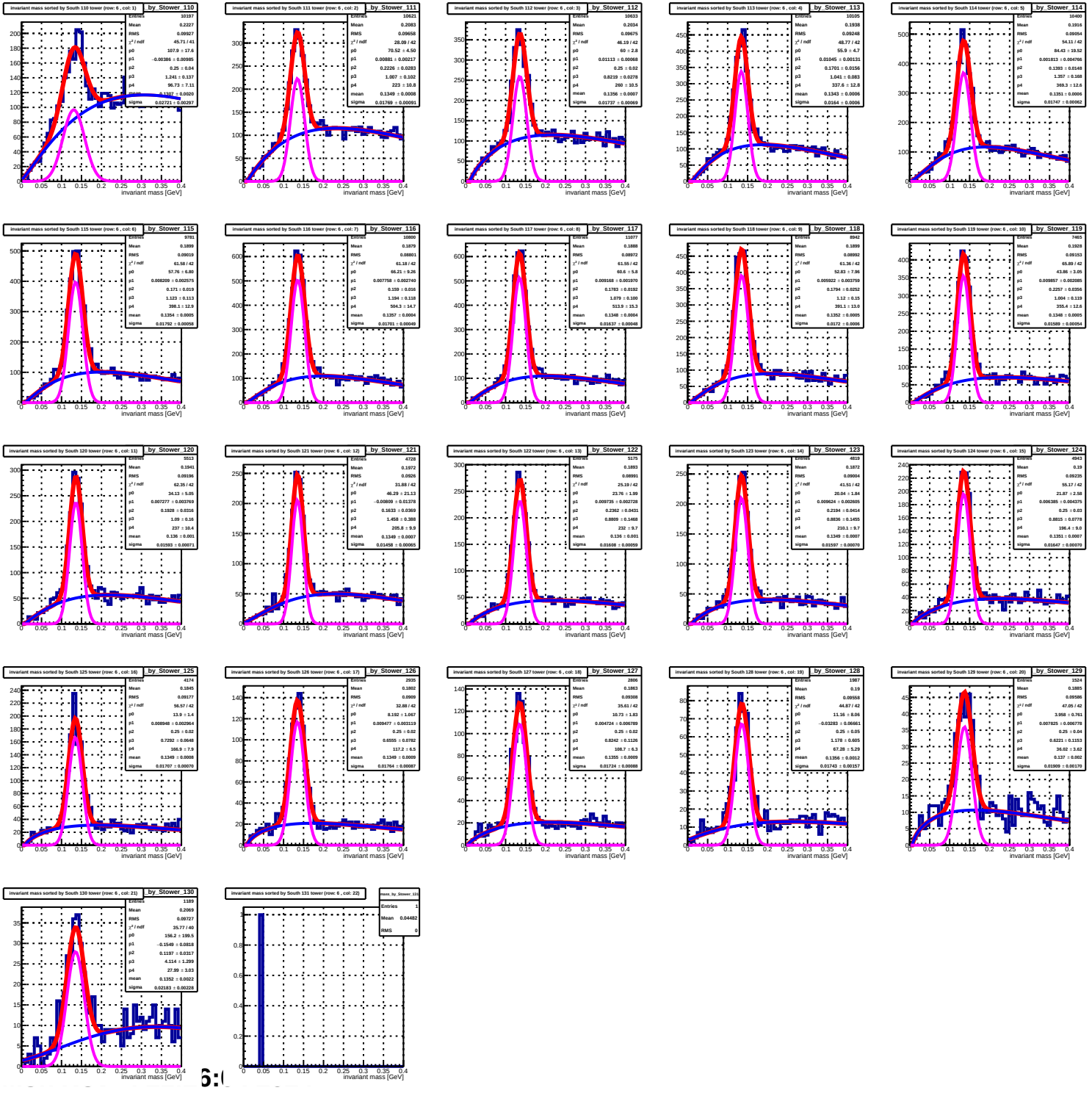
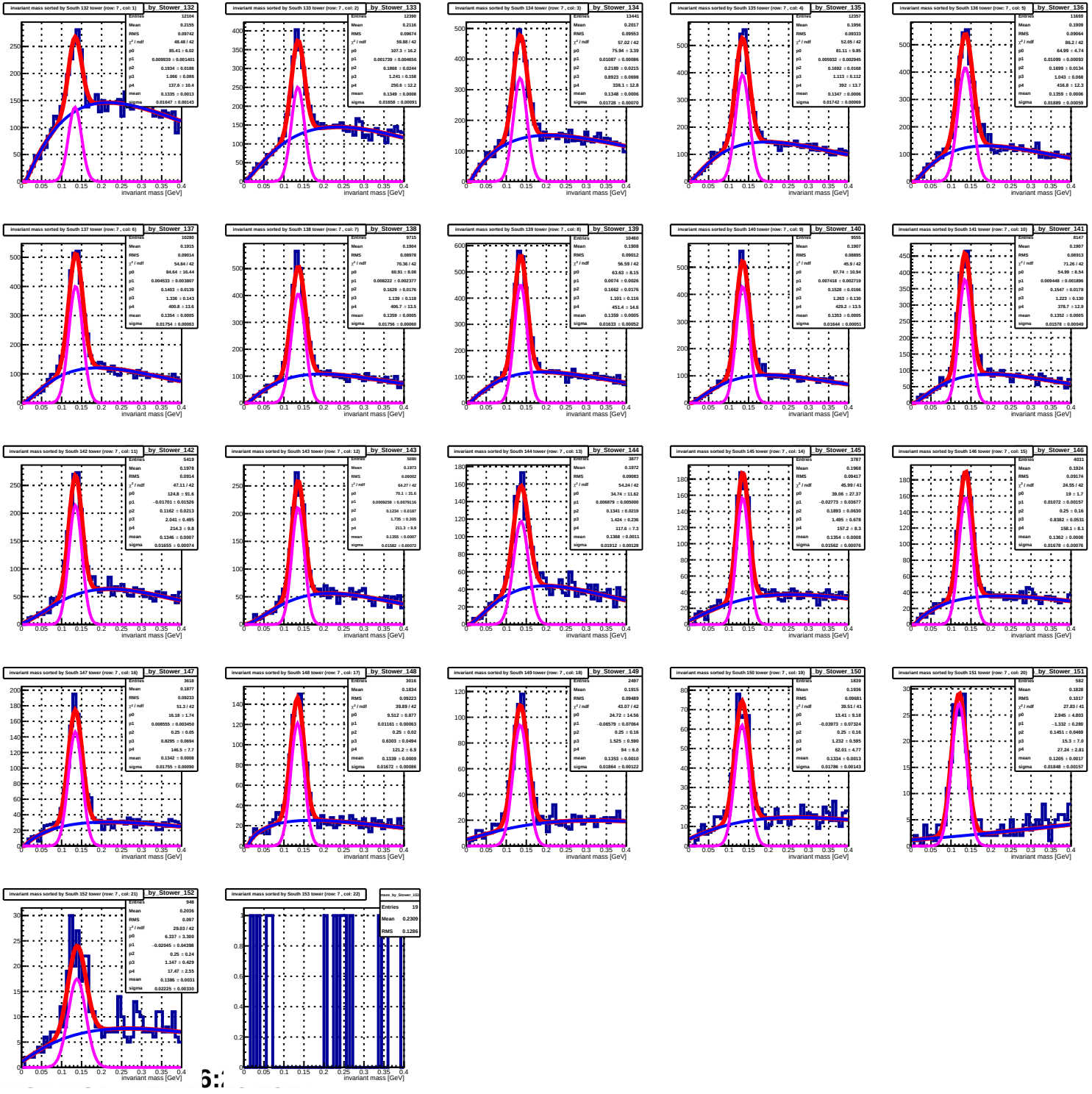

invariant mass sorted by South 22 tower (row: 2 , col: 1)
Entries 1248
Mean 0.2262
RMS 0.1051
χ² / ndf 47.49 / 41
p0 3331 ± 326.8
p1 −0.1765 ± 0.0737
p2 0.1187 ± 0.0219
p3 4.454 ± 1.086
p4 17.77 ± 3.01
mean 0.09534 ± 0.00275
sigma 0.01529 ± 0.00248
invariant mass sorted by South 23 tower (row: 2 , col: 2)
Entries 5628
Mean 0.2193
RMS 0.09697
χ² / ndf 44.3 / 42
p0 71.51 ± 50.31
p1 −0.01701 ± 0.02789
p2 0.1948 ± 0.0719
p3 1.716 ± 0.737
p4 91.83 ± 6.22
mean 0.1349 ± 0.0013
sigma 0.02012 ± 0.00148
invariant mass sorted by South 24 tower (row: 2 , col: 3)
Entries 5457
Mean 0.2131
RMS 0.09863
χ² / ndf 45.98 / 42
p0 37.43 ± 3.19
p1 0.009103 ± 0.002356
p2 0.25 ± 0.03
p3 1.032 ± 0.057
p4 114.8 ± 7.6
mean 0.1332 ± 0.0010
sigma 0.01539 ± 0.00098
invariant mass sorted by South 25 tower (row: 2 , col: 4)
Entries 5322
Mean 0.203
RMS 0.0943
χ² / ndf 34.21 / 42
p0 100.9 ± 2.8
p1 −0.03805 ± 0.00972
p2 0.1476 ± 0.0120
p3 2.133 ± 0.016
p4 157.2 ± 7.9
mean 0.1356 ± 0.0008
sigma 0.01802 ± 0.00085
invariant mass sorted by South 26 tower (row: 2 , col: 5)
Entries 4638
Mean 0.2018
RMS 0.09682
χ² / ndf 60.84 / 42
p0 29.65 ± 3.74
p1 0.005108 ± 0.005761
p2 0.25 ± 0.02
p3 1.05 ± 0.09
p4 157.1 ± 8.7
mean 0.1355 ± 0.0007
sigma 0.01582 ± 0.00082
invariant mass sorted by South 27 tower (row: 2 , col: 6)
Entries 4068
Mean 0.1955
RMS 0.09334
χ² / ndf 52.68 / 42
p0 30.1 ± 15.8
p1 −0.01381 ± 0.02296
p2 0.1929 ± 0.0617
p3 1.354 ± 0.531
p4 147.5 ± 8.3
mean 0.1356 ± 0.0008
sigma 0.01603 ± 0.00093
invariant mass sorted by South 28 tower (row: 2 , col: 7)
Entries 3918
Mean 0.1992
RMS 0.09251
χ² / ndf 36.4 / 42
p0 20.12 ± 2.07
p1 0.009957 ± 0.002890
p2 0.2392 ± 0.1780
p3 0.9382 ± 0.1799
p4 133.9 ± 8.0
mean 0.1358 ± 0.0008
sigma 0.01528 ± 0.00090
invariant mass sorted by South 29 tower (row: 2 , col: 8)
Entries 3499
Mean 0.1967
RMS 0.09405
χ² / ndf 39.98 / 42
p0 564.4 ± 826.2
p1 −0.1269 ± 0.0538
p2 0.1019 ± 0.0205
p3 3.882 ± 1.210
p4 117 ± 6.7
mean 0.1352 ± 0.0009
sigma 0.01829 ± 0.00099
invariant mass sorted by South 30 tower (row: 2 , col: 9)
Entries 3778
Mean 0.1987
RMS 0.0934
χ² / ndf 34.77 / 42
p0 49.71 ± 45.34
p1 −0.03407 ± 0.03691
p2 0.1709 ± 0.0614
p3 1.834 ± 0.827
p4 144.7 ± 7.8
mean 0.1361 ± 0.0008
sigma 0.01573 ± 0.00077
invariant mass sorted by South 31 tower (row: 2 , col: 10)
Entries 3324
Mean 0.2032
RMS 0.09623
χ² / ndf 30.57 / 42
p0 25.67 ± 6.19
p1 −0.01854 ± 0.01932
p2 0.25 ± 0.19
p3 1.215 ± 0.197
p4 105.9 ± 7.0
mean 0.1361 ± 0.0009
sigma 0.01483 ± 0.00087
invariant mass sorted by South 32 tower (row: 2 , col: 11)
Entries 2659
Mean 0.2067
RMS 0.09472
χ² / ndf 33.65 / 42
p0 19.47 ± 6.27
p1 0.002497 ± 0.010552
p2 0.1991 ± 0.0607
p3 1.25 ± 0.38
p4 75.6 ± 6.1
mean 0.1358 ± 0.0012
sigma 0.01498 ± 0.00111
invariant mass sorted by South 33 tower (row: 2 , col: 12)
Entries 2343
Mean 0.21
RMS 0.0967
χ² / ndf 41.04 / 42
p0 1136 ± 1331.6
p1 −0.147 ± 0.044
p2 0.08981 ± 0.01375
p3 4.693 ± 1.003
p4 56.65 ± 5.32
mean 0.1359 ± 0.0014
sigma 0.01607 ± 0.00150
invariant mass sorted by South 34 tower (row: 2 , col: 13)
Entries 2470
Mean 0.2063
RMS 0.09795
χ² / ndf 43.17 / 42
p0 21.87 ± 8.86
p1 −0.01477 ± 0.02596
p2 0.25 ± 0.03
p3 1.348 ± 0.345
p4 61.44 ± 4.65
mean 0.1369 ± 0.0015
sigma 0.02095 ± 0.00185
invariant mass sorted by South 35 tower (row: 2 , col: 14)
Entries 2585
Mean 0.1982
RMS 0.09307
χ² / ndf 54.44 / 42
p0 11.77 ± 2.00
p1 0.008798 ± 0.004050
p2 0.2064 ± 0.0533
p3 1.008 ± 0.232
p4 75.66 ± 6.20
mean 0.1375 ± 0.0011
sigma 0.0151 ± 0.0012
invariant mass sorted by South 36 tower (row: 2 , col: 15)
Entries 1990
Mean 0.2042
RMS 0.1001
χ² / ndf 36.39 / 42
p0 14.67 ± 6.33
p1 −0.02251 ± 0.03466
p2 0.25 ± 0.05
p3 1.199 ± 0.359
p4 42.03 ± 4.39
mean 0.1352 ± 0.0018
sigma 0.01898 ± 0.00238
invariant mass sorted by South 37 tower (row: 2 , col: 16)
Entries 1422
Mean 0.2043
RMS 0.09537
χ² / ndf 48.29 / 41
p0 8.638 ± 3.233
p1 0.003128 ± 0.023580
p2 0.2497 ± 0.1509
p3 1.138 ± 0.331
p4 32.09 ± 3.63
mean 0.1379 ± 0.0021
sigma 0.0208 ± 0.0027
invariant mass sorted by South 38 tower (row: 2 , col: 17)
Entries 1378
Mean 0.2112
RMS 0.1005
χ² / ndf 58.26 / 42
p0 30.82 ± 23.88
p1 −0.1436 ± 0.1435
p2 0.25 ± 0.18
p3 2.496 ± 1.243
p4 29.22 ± 3.35
mean 0.137 ± 0.002
sigma 0.02032 ± 0.00235
invariant mass sorted by South 39 tower (row: 2 , col: 18)
Entries 1055
Mean 0.2081
RMS 0.1009
χ² / ndf 31.72 / 42
p0 59.61 ± 102.45
p1 −1.298 ± 0.259
p2 0.09751 ± 0.01076
p3 20.57 ± 4.90
p4 18.99 ± 2.43
mean 0.1394 ± 0.0030
sigma 0.0238 ± 0.0031
invariant mass sorted by South 40 tower (row: 2 , col: 19)
Entries 860
Mean 0.1969
RMS 0.09917
χ² / ndf 35.56 / 40
p0 81.53 ± 184.99
p1 −0.4815 ± 0.7405
p2 0.1532 ± 0.0745
p3 5.229 ± 5.777
p4 15.97 ± 2.74
mean 0.1348 ± 0.0029
sigma 0.01773 ± 0.00323
invariant mass sorted by South 41 tower (row: 2 , col: 20)
Entries 671
Mean 0.2122
RMS 0.1063
χ² / ndf 34.39 / 42
p0 8.077 ± 8.967
p1 −0.1198 ± 0.1867
p2 0.25 ± 0.21
p3 1.905 ± 1.384
p4 8.916 ± 2.126
mean 0.1366 ± 0.0039
sigma 0.01651 ± 0.00417
invariant mass sorted by South 42 tower (row: 2 , col: 21)
Entries 729
Mean 0.2219
RMS 0.1055
χ² / ndf 48.07 / 41
p0 0.1997 ± 0.5531
p1 −1.468 ± 0.361
p2 0.2499 ± 0.0165
p3 12.76 ± 2.76
p4 8.973 ± 1.646
mean 0.1367 ± 0.0039
sigma 0.02019 ± 0.00299
invariant mass sorted by South 43 tower (row: 2 , col: 22)
Entries 632
Mean 0.2611
RMS 0.09625
χ² / ndf 41.63 / 40
p0 53.84 ± 1.35
p1 −0.3019 ± 0.1299
p2 0.25 ± 0.17
p3 4.55 ± 1.090
p4 1721 ± 8.860
mean 0.1187 ± 0.0028
sigma 0.02515 ± 0.002680
invariant mass [GeV]

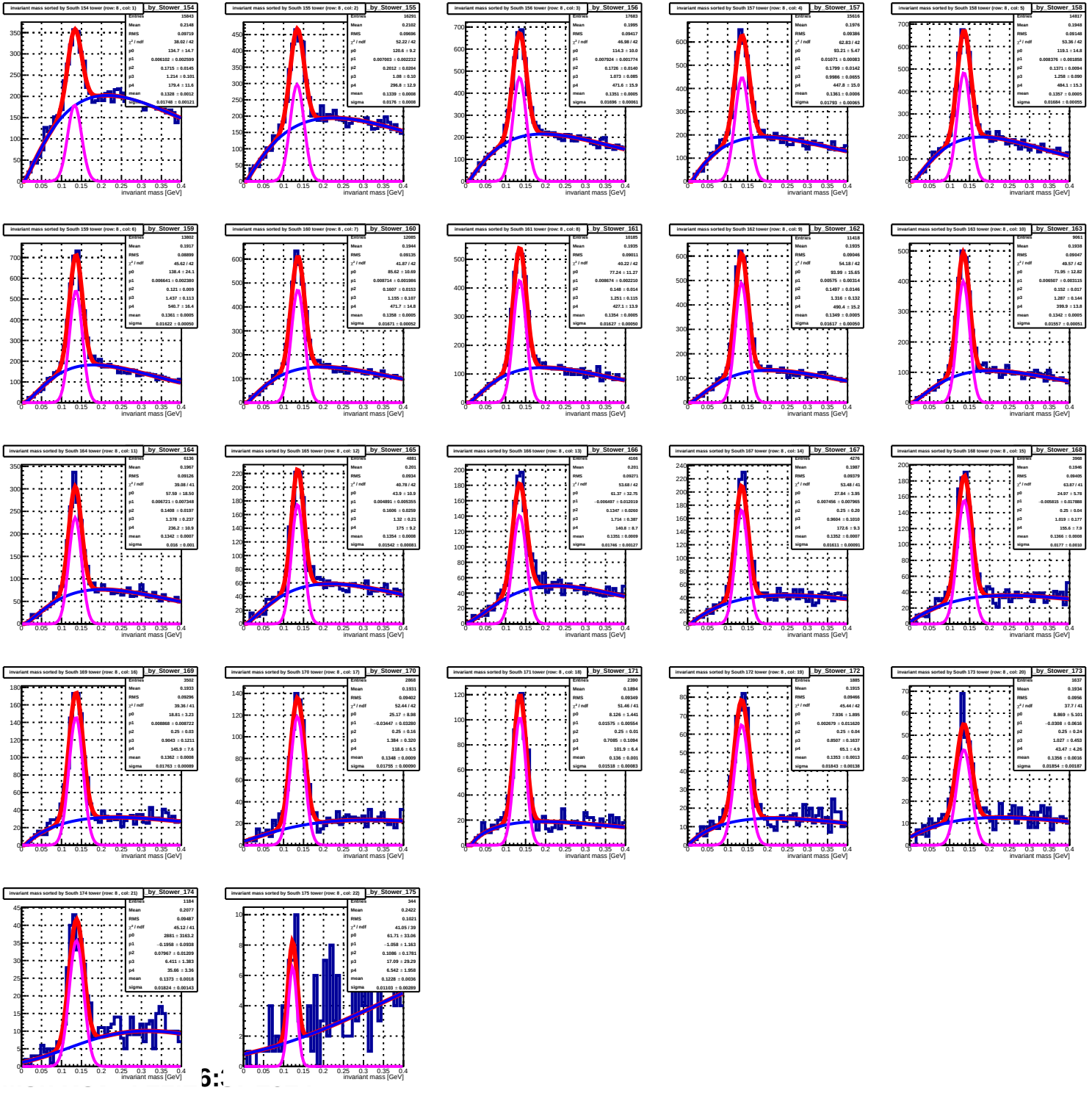

invariant mass sorted by South 44 tower (row: 3 , col: 1)
Entries 2606
Mean 0.2298
RMS 0.09951
χ² / ndf 29.68 / 42
p0 797.2 ± 911.8
p1 −0.08776 ± 0.03273
p2 0.09712 ± 0.01693
p3 4.051 ± 0.952
p4 20.65 ± 4.25
mean 0.1165 ± 0.0023
sigma 0.01853 ± 0.00289
invariant mass sorted by South 45 tower (row: 3 , col: 2)
Entries 6914
Mean 0.2143
RMS 0.09804
χ² / ndf 54 / 42
p0 55.88 ± 6.25
p1 0.00263 ± 0.00507
p2 0.25 ± 0.02
p3 1.197 ± 0.085
p4 134.2 ± 7.5
mean 0.137 ± 0.001
sigma 0.01821 ± 0.00108
invariant mass sorted by South 46 tower (row: 3 , col: 3)
Entries 6757
Mean 0.2052
RMS 0.09648
χ² / ndf 38.83 / 42
p0 36.83 ± 2.83
p1 0.003369 ± 0.001955
p2 0.25 ± 0.02
p3 0.9212 ± 0.0486
p4 176.2 ± 9.2
mean 0.1362 ± 0.0008
sigma 0.01545 ± 0.00079
invariant mass sorted by South 47 tower (row: 3 , col: 4)
Entries 6654
Mean 0.1996
RMS 0.0961
χ² / ndf 58.6 / 42
p0 34.73 ± 2.47
p1 0.009977 ± 0.001760
p2 0.25 ± 0.02
p3 0.8945 ± 0.0454
p4 226.1 ± 10.5
mean 0.1348 ± 0.0006
sigma 0.0151 ± 0.0006
invariant mass sorted by South 48 tower (row: 3 , col: 5)
Entries 7149
Mean 0.1913
RMS 0.0929
χ² / ndf 48.57 / 42
p0 31.62 ± 2.40
p1 0.007583 ± 0.003014
p2 0.25 ± 0.03
p3 0.8145 ± 0.0496
p4 276.8 ± 11.1
mean 0.135 ± 0.001
sigma 0.01568 ± 0.00059
invariant mass sorted by South 49 tower (row: 3 , col: 6)
Entries 6825
Mean 0.1859
RMS 0.09012
χ² / ndf 47.59 / 42
p0 27.32 ± 2.46
p1 0.009079 ± 0.002408
p2 0.2019 ± 0.0303
p3 0.8885 ± 0.1207
p4 287.5 ± 11.2
mean 0.1349 ± 0.0006
sigma 0.01631 ± 0.00061
invariant mass sorted by South 50 tower (row: 3 , col: 7)
Entries 6528
Mean 0.1883
RMS 0.09087
χ² / ndf 71.39 / 42
p0 31.46 ± 5.27
p1 0.005258 ± 0.005364
p2 0.1898 ± 0.0318
p3 1.059 ± 0.177
p4 272.7 ± 11.0
mean 0.135 ± 0.001
sigma 0.01595 ± 0.00062
invariant mass sorted by South 51 tower (row: 3 , col: 8)
Entries 6331
Mean 0.1895
RMS 0.09197
χ² / ndf 54.67 / 42
p0 26.98 ± 1.91
p1 0.01074 ± 0.00127
p2 0.25 ± 0.04
p3 0.8107 ± 0.0425
p4 264.8 ± 10.6
mean 0.1349 ± 0.0006
sigma 0.016 ± 0.001
invariant mass sorted by South 52 tower (row: 3 , col: 9)
Entries 4321
Mean 0.1948
RMS 0.09272
χ² / ndf 45.36 / 42
p0 27.75 ± 6.44
p1 0.001472 ± 0.008585
p2 0.2021 ± 0.0475
p3 1.18 ± 0.27
p4 167.5 ± 8.6
mean 0.1348 ± 0.0007
sigma 0.01585 ± 0.00077
invariant mass sorted by South 53 tower (row: 3 , col: 10)
Entries 4307
Mean 0.1977
RMS 0.09504
χ² / ndf 49.66 / 42
p0 21.08 ± 1.72
p1 0.0109 ± 0.0014
p2 0.25 ± 0.03
p3 0.8432 ± 0.0497
p4 141 ± 8.3
mean 0.1356 ± 0.0008
sigma 0.01615 ± 0.00092
invariant mass sorted by South 54 tower (row: 3 , col: 11)
Entries 4101
Mean 0.1982
RMS 0.09459
χ² / ndf 29.33 / 42
p0 36.28 ± 28.58
p1 −0.01673 ± 0.02085
p2 0.1681 ± 0.0450
p3 1.465 ± 0.491
p4 128.1 ± 7.9
mean 0.1351 ± 0.0009
sigma 0.01599 ± 0.00099
invariant mass sorted by South 55 tower (row: 3 , col: 12)
Entries 3342
Mean 0.1986
RMS 0.09575
χ² / ndf 44.98 / 42
p0 18.74 ± 3.41
p1 −0.002198 ± 0.010713
p2 0.25 ± 0.04
p3 0.9723 ± 0.1326
p4 98.61 ± 7.13
mean 0.1362 ± 0.0010
sigma 0.0169 ± 0.0013
invariant mass sorted by South 56 tower (row: 3 , col: 13)
Entries 3008
Mean 0.1977
RMS 0.09356
χ² / ndf 57.3 / 42
p0 17.5 ± 6.8
p1 0.003386 ± 0.009144
p2 0.1745 ± 0.0462
p3 1.221 ± 0.351
p4 95.66 ± 6.44
mean 0.1334 ± 0.0010
sigma 0.01556 ± 0.00092
invariant mass sorted by South 57 tower (row: 3 , col: 14)
Entries 2768
Mean 0.1936
RMS 0.0972
χ² / ndf 66.37 / 42
p0 11.62 ± 3.21
p1 −0.01111 ± 0.02128
p2 0.25 ± 0.04
p3 0.8811 ± 0.1971
p4 83.6 ± 6.1
mean 0.1359 ± 0.0010
sigma 0.01583 ± 0.00107
invariant mass sorted by South 58 tower (row: 3 , col: 15)
Entries 2319
Mean 0.1963
RMS 0.09454
χ² / ndf 34.42 / 42
p0 13.05 ± 3.46
p1 −0.006558 ± 0.016779
p2 0.25 ± 0.19
p3 1.044 ± 0.194
p4 74.44 ± 5.62
mean 0.1381 ± 0.0011
sigma 0.01716 ± 0.00131
invariant mass sorted by South 59 tower (row: 3 , col: 16)
Entries 1858
Mean 0.1979
RMS 0.09868
χ² / ndf 49.69 / 42
p0 37.09 ± 31.09
p1 −0.2025 ± 0.2102
p2 0.25 ± 0.22
p3 2.54 ± 1.53
p4 58.98 ± 5.20
mean 0.1366 ± 0.0013
sigma 0.01691 ± 0.00144
invariant mass sorted by South 60 tower (row: 3 , col: 17)
Entries 1433
Mean 0.1948
RMS 0.09675
χ² / ndf 42.62 / 42
p0 5.85 ± 2.41
p1 −0.01081 ± 0.03086
p2 0.25 ± 0.16
p3 0.9258 ± 0.3029
p4 39.34 ± 3.97
mean 0.135 ± 0.002
sigma 0.01785 ± 0.00177
invariant mass sorted by South 61 tower (row: 3 , col: 18)
Entries 1301
Mean 0.1931
RMS 0.09767
χ² / ndf 39.41 / 41
p0 22.52 ± 13.39
p1 −0.2385 ± 0.1876
p2 0.2486 ± 0.0428
p3 2.545 ± 1.185
p4 31.97 ± 3.17
mean 0.1307 ± 0.0021
sigma 0.02259 ± 0.00222
invariant mass sorted by South 62 tower (row: 3 , col: 19)
Entries 713
Mean 0.1739
RMS 0.09785
χ² / ndf 45.86 / 41
p0 9.666 ± 9.131
p1 −0.7125 ± 0.3290
p2 0.25 ± 0.15
p3 5.118 ± 2.918
p4 20.42 ± 1.93
mean 0.1185 ± 0.0019
sigma 0.02058 ± 0.00165
invariant mass sorted by South 63 tower (row: 3 , col: 20)
Entries 1020
Mean 0.1912
RMS 0.1053
χ² / ndf 38.94 / 42
p0 0.6626 ± 1.2682
p1 −1.898 ± 0.455
p2 0.25 ± 0.00
p3 10.43 ± 1.98
p4 15.91 ± 2.23
mean 0.1324 ± 0.0032
sigma 0.02056 ± 0.00248
invariant mass sorted by South 64 tower (row: 3 , col: 21)
Entries 749
Mean 0.2117
RMS 0.1093
χ² / ndf 37.36 / 42
p0 0.649 ± 1.568
p1 −1.404 ± 0.348
p2 0.246 ± 0.046
p3 11.56 ± 2.82
p4 9.004 ± 1.729
mean 0.1322 ± 0.0042
sigma 0.02313 ± 0.00430
invariant mass sorted by South 65 tower (row: 3 , col: 22)
Entries 112
Mean 0.2174
RMS 0.1151
invariant mass [GeV]

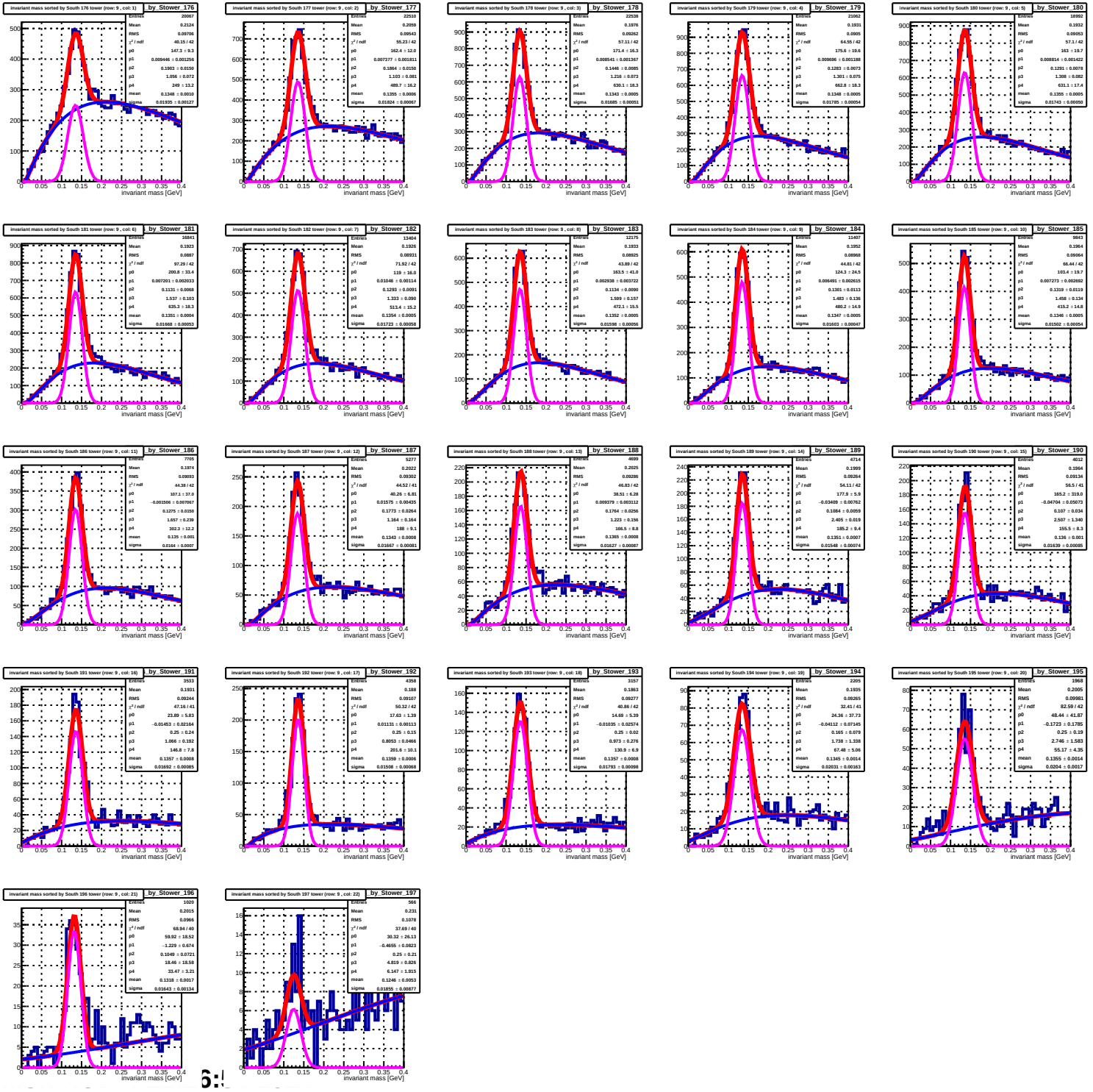

invariant mass sorted by South 66 tower (row: 4 , col: 1)
mass_by_Stower_66
Entries 6387
Mean 0.2283
RMS 0.09936
χ² / ndf 38.73 / 42
p0 59.87 ± 6.19
p1 0.002929 ± 0.004835
p2 0.25 ± 0.03
p3 1.155 ± 0.078
p4 51.58 ± 5.88
mean 0.1346 ± 0.0022
sigma 0.01866 ± 0.00249
invariant mass sorted by South 67 tower (row: 4 , col: 2)
mass_by_Stower_67
Entries 7669
Mean 0.2119
RMS 0.09791
χ² / ndf 47.75 / 42
p0 56.5 ± 5.2
p1 0.005515 ± 0.003463
p2 0.25 ± 0.01
p3 1.109 ± 0.066
p4 170.2 ± 8.8
mean 0.1359 ± 0.0008
sigma 0.01725 ± 0.00089
invariant mass sorted by South 68 tower (row: 4 , col: 3)
mass_by_Stower_68
Entries 8024
Mean 0.2041
RMS 0.09739
χ² / ndf 60.09 / 42
p0 48.58 ± 4.67
p1 0.002513 ± 0.004650
p2 0.25 ± 0.01
p3 0.9766 ± 0.0678
p4 213.5 ± 10.0
mean 0.1345 ± 0.0007
sigma 0.0163 ± 0.0007
invariant mass sorted by South 69 tower (row: 4 , col: 4)
mass_by_Stower_69
Entries 7435
Mean 0.1956
RMS 0.09457
χ² / ndf 52.11 / 42
p0 37.43 ± 2.63
p1 0.009022 ± 0.002076
p2 0.25 ± 0.03
p3 0.8601 ± 0.0449
p4 238.7 ± 9.8
mean 0.1354 ± 0.0007
sigma 0.0177 ± 0.0007
invariant mass sorted by South 70 tower (row: 4 , col: 5)
mass_by_Stower_70
Entries 8099
Mean 0.1923
RMS 0.09212
χ² / ndf 43.11 / 42
p0 39.25 ± 3.12
p1 0.008543 ± 0.002905
p2 0.2187 ± 0.0307
p3 0.9187 ± 0.1128
p4 319.4 ± 11.9
mean 0.1351 ± 0.0005
sigma 0.0159 ± 0.0006
invariant mass sorted by South 71 tower (row: 4 , col: 6)
mass_by_Stower_71
Entries 8739
Mean 0.1846
RMS 0.08853
χ² / ndf 44.31 / 42
p0 34.63 ± 1.95
p1 0.01128 ± 0.00077
p2 0.2386 ± 0.0323
p3 0.7879 ± 0.0880
p4 412.2 ± 12.8
mean 0.1356 ± 0.0005
sigma 0.01676 ± 0.00047
invariant mass sorted by South 72 tower (row: 4 , col: 7)
mass_by_Stower_72
Entries 8646
Mean 0.185
RMS 0.08981
χ² / ndf 65.54 / 42
p0 34.31 ± 1.74
p1 0.01179 ± 0.00030
p2 0.25 ± 0.16
p3 0.7497 ± 0.0288
p4 401.6 ± 12.2
mean 0.1348 ± 0.0005
sigma 0.01663 ± 0.00049
invariant mass sorted by South 73 tower (row: 4 , col: 8)
mass_by_Stower_73
Entries 8438
Mean 0.1855
RMS 0.08888
χ² / ndf 80.46 / 42
p0 37.09 ± 2.33
p1 0.01129 ± 0.00116
p2 0.1996 ± 0.0242
p3 0.9596 ± 0.0843
p4 404.5 ± 13.8
mean 0.1353 ± 0.0005
sigma 0.01613 ± 0.00055
invariant mass sorted by South 74 tower (row: 4 , col: 9)
mass_by_Stower_74
Entries 5865
Mean 0.1903
RMS 0.08947
χ² / ndf 51.03 / 42
p0 38.44 ± 9.07
p1 0.006027 ± 0.004391
p2 0.1556 ± 0.0242
p3 1.262 ± 0.196
p4 267.8 ± 11.3
mean 0.135 ± 0.001
sigma 0.01518 ± 0.00061
invariant mass sorted by South 75 tower (row: 4 , col: 10)
mass_by_Stower_75
Entries 4694
Mean 0.1924
RMS 0.09097
χ² / ndf 43.67 / 42
p0 27.8 ± 5.8
p1 0.004375 ± 0.006555
p2 0.1877 ± 0.0340
p3 1.132 ± 0.213
p4 187.1 ± 8.9
mean 0.1342 ± 0.0007
sigma 0.01675 ± 0.00074
invariant mass sorted by South 76 tower (row: 4 , col: 11)
mass_by_Stower_76
Entries 4262
Mean 0.1968
RMS 0.09422
χ² / ndf 58.88 / 42
p0 25.33 ± 3.21
p1 0.001212 ± 0.006929
p2 0.25 ± 0.21
p3 0.951 ± 0.090
p4 173 ± 8.9
mean 0.1354 ± 0.0007
sigma 0.01504 ± 0.00070
invariant mass sorted by South 77 tower (row: 4 , col: 12)
mass_by_Stower_77
Entries 3880
Mean 0.1943
RMS 0.09333
χ² / ndf 32.45 / 42
p0 20.29 ± 2.89
p1 0.004532 ± 0.006132
p2 0.25 ± 0.16
p3 0.915 ± 0.090
p4 156.7 ± 8.2
mean 0.1353 ± 0.0007
sigma 0.0152 ± 0.0007
invariant mass sorted by South 78 tower (row: 4 , col: 13)
mass_by_Stower_78
Entries 3739
Mean 0.1915
RMS 0.09336
χ² / ndf 35.98 / 42
p0 16.6 ± 2.2
p1 0.005019 ± 0.007205
p2 0.236 ± 0.180
p3 0.8361 ± 0.2337
p4 145.8 ± 8.4
mean 0.1347 ± 0.0008
sigma 0.01469 ± 0.00080
invariant mass sorted by South 79 tower (row: 4 , col: 14)
mass_by_Stower_79
Entries 3621
Mean 0.1922
RMS 0.09416
χ² / ndf 44.41 / 42
p0 17.7 ± 2.4
p1 0.006286 ± 0.005827
p2 0.25 ± 0.05
p3 0.8994 ± 0.0905
p4 122.1 ± 7.2
mean 0.1333 ± 0.0010
sigma 0.0147 ± 0.0011
invariant mass sorted by South 80 tower (row: 4 , col: 15)
mass_by_Stower_80
Entries 2863
Mean 0.1908
RMS 0.09319
χ² / ndf 72.92 / 42
p0 11.84 ± 1.86
p1 0.004665 ± 0.007193
p2 0.25 ± 0.05
p3 0.8238 ± 0.1039
p4 102.5 ± 6.9
mean 0.1361 ± 0.0009
sigma 0.0163 ± 0.0014
invariant mass sorted by South 81 tower (row: 4 , col: 16)
mass_by_Stower_81
Entries 2253
Mean 0.1914
RMS 0.09515
χ² / ndf 64.62 / 42
p0 7.881 ± 0.958
p1 0.01083 ± 0.00192
p2 0.25 ± 0.03
p3 0.7129 ± 0.0769
p4 86.47 ± 6.19
mean 0.1352 ± 0.0010
sigma 0.01587 ± 0.00107
invariant mass sorted by South 82 tower (row: 4 , col: 17)
mass_by_Stower_82
Entries 1963
Mean 0.1857
RMS 0.09434
χ² / ndf 33.9 / 42
p0 5.299 ± 0.675
p1 0.01119 ± 0.00148
p2 0.25 ± 0.02
p3 0.616 ± 0.071
p4 62.15 ± 4.84
mean 0.1367 ± 0.0014
sigma 0.01871 ± 0.00131
invariant mass sorted by South 83 tower (row: 4 , col: 18)
mass_by_Stower_83
Entries 1624
Mean 0.1861
RMS 0.09675
χ² / ndf 58.2 / 42
p0 4.702 ± 0.778
p1 0.01046 ± 0.00326
p2 0.25 ± 0.02
p3 0.7138 ± 0.0993
p4 50.06 ± 4.38
mean 0.1352 ± 0.0016
sigma 0.01883 ± 0.00153
invariant mass sorted by South 84 tower (row: 4 , col: 19)
mass_by_Stower_84
Entries 1389
Mean 0.1851
RMS 0.09736
χ² / ndf 56.72 / 42
p0 95.72 ± 55.94
p1 -1.093 ± 1.304
p2 0.1236 ± 0.1758
p3 13.72 ± 25.10
p4 35.49 ± 3.19
mean 0.1317 ± 0.0023
sigma 0.02547 ± 0.00260
invariant mass sorted by South 85 tower (row: 4 , col: 20)
mass_by_Stower_85
Entries 1267
Mean 0.1941
RMS 0.1051
χ² / ndf 87.74 / 42
p0 0.1832 ± 0.2144
p1 -2.061 ± 0.232
p2 0.25 ± 0.00
p3 12.05 ± 1.16
p4 27.36 ± 3.53
mean 0.1338 ± 0.0019
sigma 0.01774 ± 0.00215
invariant mass sorted by South 86 tower (row: 4 , col: 21)
mass_by_Stower_86
Entries 872
Mean 0.2152
RMS 0.1048
χ² / ndf 39.25 / 41
p0 1.069 ± 1.201
p1 -1.367 ± 0.139
p2 0.2443 ± 0.0213
p3 11.47 ± 2.00
p4 12.51 ± 1.89
mean 0.1373 ± 0.0038
sigma 0.02181 ± 0.00280
invariant mass sorted by South 87 tower (row: 4 , col: 22)
mass_by_Stower_87
Entries 1
Mean 0.2144
RMS 0
invariant mass [GeV]

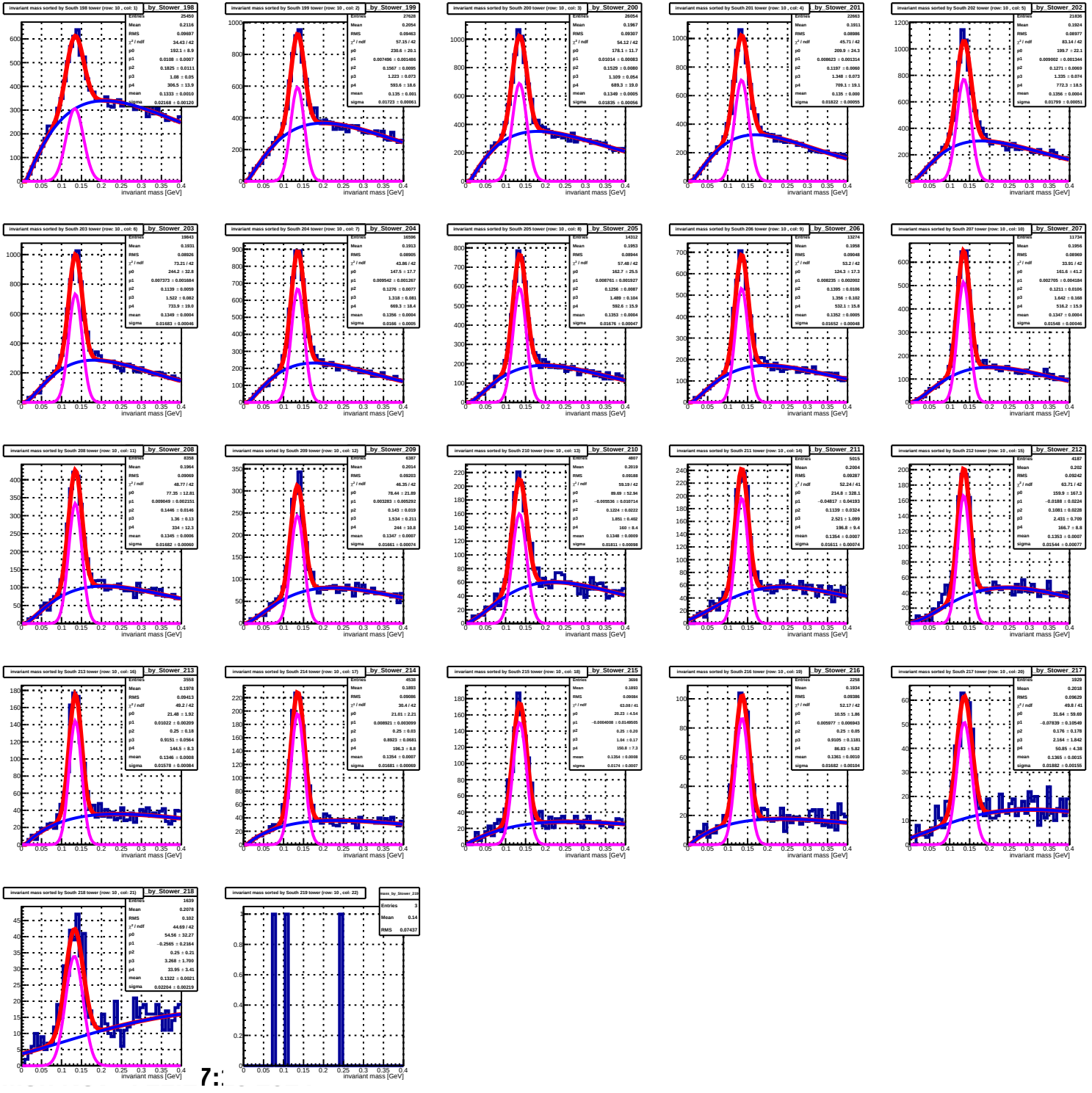

invariant mass sorted by South 88 tower (row: 5 , col: 1)
Entries 7458
Mean 0.2283
RMS 0.09888
χ² / ndf 39.42 / 42
p0 67.38 ± 4.89
p1 0.009395 ± 0.001933
p2 0.25 ± 0.01
p3 1.114 ± 0.050
p4 70.54 ± 7.14
mean 0.1363 ± 0.0018
sigma 0.01844 ± 0.00212
invariant mass sorted by South 89 tower (row: 5 , col: 2)
Entries 8587
Mean 0.2139
RMS 0.09798
χ² / ndf 40.5 / 42
p0 65.12 ± 4.52
p1 0.005093 ± 0.003240
p2 0.25 ± 0.03
p3 1.036 ± 0.053
p4 174.2 ± 9.8
mean 0.1355 ± 0.0008
sigma 0.01577 ± 0.00088
invariant mass sorted by South 90 tower (row: 5 , col: 3)
Entries 9219
Mean 0.202
RMS 0.09604
χ² / ndf 57.78 / 42
p0 53.42 ± 3.93
p1 0.007689 ± 0.002972
p2 0.2341 ± 0.0340
p3 0.9337 ± 0.1156
p4 246.8 ± 11.0
mean 0.1351 ± 0.0007
sigma 0.01711 ± 0.00080
invariant mass sorted by South 91 tower (row: 5 , col: 4)
Entries 10141
Mean 0.1924
RMS 0.09212
χ² / ndf 36.25 / 42
p0 49.93 ± 2.80
p1 0.009676 ± 0.001521
p2 0.25 ± 0.05
p3 0.8387 ± 0.0361
p4 396.6 ± 12.9
mean 0.1357 ± 0.0005
sigma 0.01691 ± 0.00051
invariant mass sorted by South 92 tower (row: 5 , col: 5)
Entries 9928
Mean 0.1908
RMS 0.09044
χ² / ndf 49.43 / 42
p0 50.43 ± 3.93
p1 0.01067 ± 0.00126
p2 0.1875 ± 0.0208
p3 1.011 ± 0.092
p4 408.2 ± 13.4
mean 0.1352 ± 0.0005
sigma 0.0164 ± 0.0005
invariant mass sorted by South 93 tower (row: 5 , col: 6)
Entries 8691
Mean 0.1896
RMS 0.09044
χ² / ndf 52.17 / 42
p0 43.81 ± 4.28
p1 0.009983 ± 0.001662
p2 0.1746 ± 0.0194
p3 1.02 ± 0.10
p4 364.1 ± 13.0
mean 0.1354 ± 0.0005
sigma 0.01622 ± 0.00058
invariant mass sorted by South 94 tower (row: 5 , col: 7)
Entries 9659
Mean 0.1829
RMS 0.08613
χ² / ndf 42.23 / 42
p0 58.08 ± 11.20
p1 0.007848 ± 0.002675
p2 0.1358 ± 0.0139
p3 1.261 ± 0.137
p4 460.4 ± 13.8
mean 0.1343 ± 0.0004
sigma 0.01646 ± 0.00048
invariant mass sorted by South 95 tower (row: 5 , col: 8)
Entries 9707
Mean 0.1874
RMS 0.08937
χ² / ndf 73.7 / 42
p0 48.85 ± 2.82
p1 0.01051 ± 0.00139
p2 0.2264 ± 0.0314
p3 0.9529 ± 0.0963
p4 454.2 ± 13.6
mean 0.1349 ± 0.0005
sigma 0.01769 ± 0.00051
invariant mass sorted by South 96 tower (row: 5 , col: 9)
Entries 8374
Mean 0.1863
RMS 0.08909
χ² / ndf 40.74 / 42
p0 40.24 ± 3.79
p1 0.00838 ± 0.00273
p2 0.1985 ± 0.0265
p3 0.9889 ± 0.1172
p4 418.2 ± 13.7
mean 0.1346 ± 0.0005
sigma 0.01544 ± 0.00046
invariant mass sorted by South 97 tower (row: 5 , col: 10)
Entries 6625
Mean 0.1898
RMS 0.08984
χ² / ndf 49.85 / 42
p0 50.47 ± 14.34
p1 0.001626 ± 0.006751
p2 0.1461 ± 0.0203
p3 1.369 ± 0.217
p4 368.2 ± 12.0
mean 0.1346 ± 0.0005
sigma 0.0148 ± 0.0005
invariant mass sorted by South 98 tower (row: 5 , col: 11)
Entries 4747
Mean 0.1968
RMS 0.09235
χ² / ndf 33.98 / 42
p0 34.2 ± 8.3
p1 0.001671 ± 0.007926
p2 0.1913 ± 0.0412
p3 1.205 ± 0.261
p4 202.2 ± 9.6
mean 0.1353 ± 0.0007
sigma 0.01522 ± 0.00067
invariant mass sorted by South 99 tower (row: 5 , col: 12)
Entries 4826
Mean 0.1925
RMS 0.09109
χ² / ndf 41.45 / 42
p0 33.52 ± 11.44
p1 -0.002569 ± 0.011223
p2 0.1817 ± 0.0431
p3 1.255 ± 0.331
p4 197.1 ± 9.1
mean 0.135 ± 0.001
sigma 0.01722 ± 0.00076
invariant mass sorted by South 100 tower (row: 5 , col: 13)
Entries 4956
Mean 0.1908
RMS 0.09146
χ² / ndf 39.63 / 42
p0 26.11 ± 2.30
p1 0.01045 ± 0.00279
p2 0.25 ± 0.19
p3 0.9472 ± 0.0582
p4 220.8 ± 9.2
mean 0.1354 ± 0.0006
sigma 0.01691 ± 0.00061
invariant mass sorted by South 101 tower (row: 5 , col: 14)
Entries 4785
Mean 0.1864
RMS 0.09256
χ² / ndf 44.21 / 42
p0 18.4 ± 2.3
p1 0.006244 ± 0.005089
p2 0.25 ± 0.01
p3 0.7909 ± 0.0841
p4 186.4 ± 8.7
mean 0.1347 ± 0.0007
sigma 0.0174 ± 0.0008
invariant mass sorted by South 102 tower (row: 5 , col: 15)
Entries 4373
Mean 0.1844
RMS 0.0917
χ² / ndf 52.18 / 42
p0 14.4 ± 1.5
p1 0.008542 ± 0.003186
p2 0.25 ± 0.02
p3 0.7311 ± 0.0622
p4 186.3 ± 8.9
mean 0.1349 ± 0.0007
sigma 0.0154 ± 0.0007
invariant mass sorted by South 103 tower (row: 5 , col: 16)
Entries 2845
Mean 0.1807
RMS 0.08977
χ² / ndf 28.15 / 42
p0 8.09 ± 0.77
p1 0.01163 ± 0.00065
p2 0.25 ± 0.03
p3 0.615 ± 0.051
p4 127.3 ± 7.2
mean 0.1356 ± 0.0008
sigma 0.01608 ± 0.00077
invariant mass sorted by South 104 tower (row: 5 , col: 17)
Entries 2556
Mean 0.1795
RMS 0.09205
χ² / ndf 54.28 / 42
p0 6.045 ± 0.665
p1 0.01113 ± 0.00133
p2 0.25 ± 0.02
p3 0.5513 ± 0.0600
p4 86.68 ± 5.42
mean 0.1335 ± 0.0012
sigma 0.01977 ± 0.00108
invariant mass sorted by South 105 tower (row: 5 , col: 18)
Entries 2054
Mean 0.1836
RMS 0.09364
χ² / ndf 50.68 / 42
p0 5.484 ± 0.820
p1 0.009486 ± 0.003872
p2 0.25 ± 0.02
p3 0.6049 ± 0.0858
p4 60.65 ± 4.54
mean 0.1365 ± 0.0014
sigma 0.02013 ± 0.00143
invariant mass sorted by South 106 tower (row: 5 , col: 19)
Entries 1854
Mean 0.1847
RMS 0.09541
χ² / ndf 60.07 / 42
p0 11.65 ± 11.57
p1 -0.02415 ± 0.07252
p2 0.25 ± 0.05
p3 1.287 ± 0.864
p4 52.36 ± 3.97
mean 0.1335 ± 0.0018
sigma 0.0244 ± 0.0026
invariant mass sorted by South 107 tower (row: 5 , col: 20)
Entries 1314
Mean 0.1996
RMS 0.1017
χ² / ndf 35.19 / 42
p0 5.07 ± 1.27
p1 0.006258 ± 0.009247
p2 0.25 ± 0.03
p3 0.8083 ± 0.1827
p4 29.8 ± 3.9
mean 0.1371 ± 0.0019
sigma 0.01553 ± 0.00205
invariant mass sorted by South 108 tower (row: 5 , col: 21)
Entries 1044
Mean 0.2144
RMS 0.1029
χ² / ndf 38.41 / 41
p0 138.2 ± 385.6
p1 -1.092 ± 0.687
p2 0.1059 ± 0.0384
p3 17.54 ± 14.00
p4 15.16 ± 2.11
mean 0.1308 ± 0.0037
sigma 0.02737 ± 0.00415
invariant mass sorted by South 109 tower (row: 5 , col: 22)
mass_by_Stower_109
Entries 14
Mean 0.2653
RMS 0.09594
invariant mass [GeV]

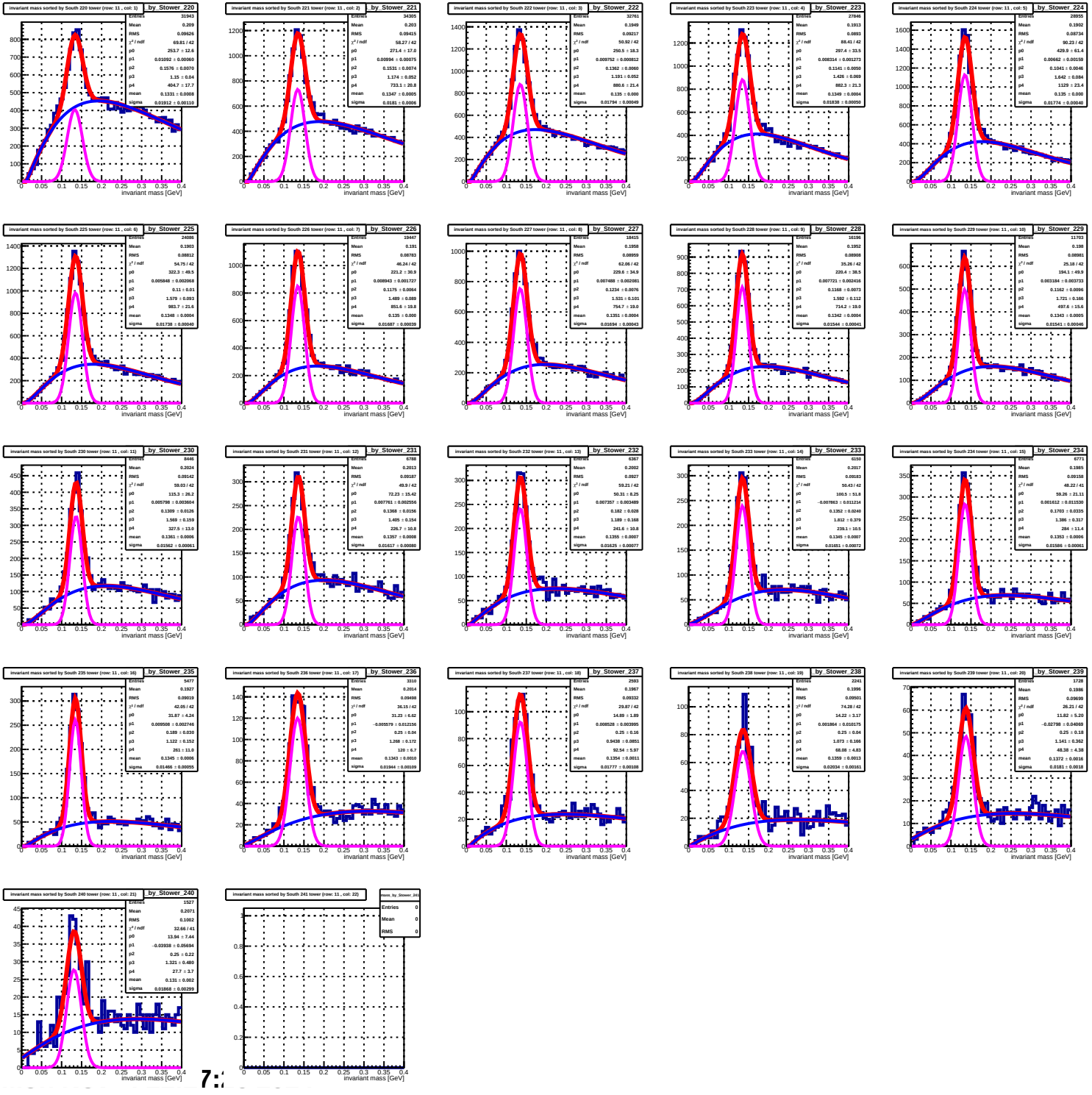

invariant mass sorted by South 110 tower (row: 6 , col: 1)
by_Stower_110
Entries 10197
Mean 0.2227
RMS 0.09927
χ² / ndf 45.71 / 41
p0 107.9 ± 17.6
p1 −0.00386 ± 0.00985
p2 0.25 ± 0.04
p3 1.241 ± 0.137
p4 96.73 ± 7.11
mean 0.1307 ± 0.0020
sigma 0.02721 ± 0.00297
invariant mass sorted by South 111 tower (row: 6 , col: 2)
by_Stower_111
Entries 10621
Mean 0.2083
RMS 0.09658
χ² / ndf 28.09 / 42
p0 70.52 ± 4.50
p1 0.00881 ± 0.00217
p2 0.2226 ± 0.0283
p3 1.007 ± 0.102
p4 223 ± 10.8
mean 0.1349 ± 0.0008
sigma 0.01769 ± 0.00081
invariant mass sorted by South 112 tower (row: 6 , col: 3)
by_Stower_112
Entries 10633
Mean 0.2034
RMS 0.09675
χ² / ndf 46.19 / 42
p0 60 ± 2.8
p1 0.01113 ± 0.00068
p2 0.25 ± 0.02
p3 0.8219 ± 0.0278
p4 260 ± 10.5
mean 0.1356 ± 0.0007
sigma 0.01737 ± 0.00069
invariant mass sorted by South 113 tower (row: 6 , col: 4)
by_Stower_113
Entries 10105
Mean 0.1938
RMS 0.09248
χ² / ndf 48.77 / 42
p0 55.9 ± 4.7
p1 0.01045 ± 0.00131
p2 0.1701 ± 0.0156
p3 1.041 ± 0.083
p4 337.6 ± 12.8
mean 0.1343 ± 0.0006
sigma 0.0164 ± 0.0006
invariant mass sorted by South 114 tower (row: 6 , col: 5)
by_Stower_114
Entries 10400
Mean 0.1916
RMS 0.09054
χ² / ndf 54.11 / 42
p0 84.43 ± 19.52
p1 0.001813 ± 0.004766
p2 0.1393 ± 0.0148
p3 1.357 ± 0.168
p4 369.3 ± 12.6
mean 0.1351 ± 0.0006
sigma 0.01747 ± 0.00062
invariant mass sorted by South 115 tower (row: 6 , col: 6)
by_Stower_115
Entries 9761
Mean 0.1899
RMS 0.09019
χ² / ndf 61.58 / 42
p0 57.76 ± 6.80
p1 0.008209 ± 0.002575
p2 0.171 ± 0.019
p3 1.123 ± 0.113
p4 398.1 ± 12.9
mean 0.1354 ± 0.0005
sigma 0.01792 ± 0.00058
invariant mass sorted by South 116 tower (row: 6 , col: 7)
by_Stower_116
Entries 10800
Mean 0.1879
RMS 0.08801
χ² / ndf 61.18 / 42
p0 66.21 ± 9.26
p1 0.007758 ± 0.002740
p2 0.159 ± 0.016
p3 1.194 ± 0.118
p4 504.3 ± 14.7
mean 0.1357 ± 0.0004
sigma 0.01701 ± 0.00049
invariant mass sorted by South 117 tower (row: 6 , col: 8)
by_Stower_117
Entries 11077
Mean 0.1888
RMS 0.08972
χ² / ndf 61.55 / 42
p0 60.6 ± 5.8
p1 0.009168 ± 0.001970
p2 0.1783 ± 0.0192
p3 1.079 ± 0.100
p4 513.9 ± 15.3
mean 0.1348 ± 0.0004
sigma 0.01637 ± 0.00048
invariant mass sorted by South 118 tower (row: 6 , col: 9)
by_Stower_118
Entries 8942
Mean 0.1899
RMS 0.08892
χ² / ndf 61.36 / 42
p0 52.83 ± 7.96
p1 0.005922 ± 0.003759
p2 0.1794 ± 0.0252
p3 1.12 ± 0.15
p4 391.1 ± 13.0
mean 0.1352 ± 0.0005
sigma 0.0172 ± 0.0006
invariant mass sorted by South 119 tower (row: 6 , col: 10)
by_Stower_119
Entries 7465
Mean 0.1928
RMS 0.09153
χ² / ndf 65.89 / 42
p0 43.86 ± 3.05
p1 0.009857 ± 0.002085
p2 0.2257 ± 0.0356
p3 1.004 ± 0.119
p4 355.4 ± 12.6
mean 0.1348 ± 0.0005
sigma 0.01589 ± 0.00054
invariant mass sorted by South 120 tower (row: 6 , col: 11)
by_Stower_120
Entries 5513
Mean 0.1941
RMS 0.09196
χ² / ndf 62.35 / 42
p0 34.13 ± 5.05
p1 0.007277 ± 0.003769
p2 0.1928 ± 0.0316
p3 1.09 ± 0.16
p4 237 ± 10.4
mean 0.136 ± 0.001
sigma 0.01593 ± 0.00071
invariant mass sorted by South 121 tower (row: 6 , col: 12)
by_Stower_121
Entries 4728
Mean 0.1972
RMS 0.0926
χ² / ndf 31.88 / 42
p0 46.29 ± 21.13
p1 −0.00809 ± 0.01378
p2 0.1633 ± 0.0369
p3 1.458 ± 0.388
p4 205.8 ± 9.9
mean 0.1349 ± 0.0007
sigma 0.01458 ± 0.00065
invariant mass sorted by South 122 tower (row: 6 , col: 13)
by_Stower_122
Entries 5175
Mean 0.1893
RMS 0.08991
χ² / ndf 25.19 / 42
p0 23.76 ± 1.99
p1 0.009735 ± 0.002728
p2 0.2362 ± 0.0431
p3 0.8809 ± 0.1468
p4 232 ± 9.7
mean 0.136 ± 0.001
sigma 0.01606 ± 0.00059
invariant mass sorted by South 123 tower (row: 6 , col: 14)
by_Stower_123
Entries 4819
Mean 0.1872
RMS 0.09004
χ² / ndf 41.51 / 42
p0 20.04 ± 1.14
p1 0.009624 ± 0.002605
p2 0.2194 ± 0.0414
p3 0.8836 ± 0.1455
p4 210.1 ± 9.7
mean 0.1349 ± 0.0007
sigma 0.01597 ± 0.00070
invariant mass sorted by South 124 tower (row: 6 , col: 15)
by_Stower_124
Entries 4943
Mean 0.19
RMS 0.09235
χ² / ndf 55.17 / 42
p0 21.87 ± 2.56
p1 0.006385 ± 0.004375
p2 0.25 ± 0.03
p3 0.8815 ± 0.0778
p4 196.4 ± 9.0
mean 0.1351 ± 0.0007
sigma 0.01647 ± 0.00074
invariant mass sorted by South 125 tower (row: 6 , col: 16)
by_Stower_125
Entries 4174
Mean 0.1845
RMS 0.09177
χ² / ndf 56.57 / 42
p0 13.9 ± 1.4
p1 0.008948 ± 0.002964
p2 0.25 ± 0.02
p3 0.7292 ± 0.0648
p4 166.9 ± 7.9
mean 0.1349 ± 0.0008
sigma 0.01707 ± 0.00070
invariant mass sorted by South 126 tower (row: 6 , col: 17)
by_Stower_126
Entries 2935
Mean 0.1892
RMS 0.0909
χ² / ndf 32.88 / 42
p0 8.192 ± 1.067
p1 0.009477 ± 0.003119
p2 0.25 ± 0.02
p3 0.6595 ± 0.0782
p4 117.2 ± 6.5
mean 0.1349 ± 0.0009
sigma 0.01764 ± 0.00087
invariant mass sorted by South 127 tower (row: 6 , col: 18)
by_Stower_127
Entries 2606
Mean 0.1853
RMS 0.09308
χ² / ndf 35.61 / 42
p0 10.73 ± 1.83
p1 0.004724 ± 0.006789
p2 0.25 ± 0.02
p3 0.8242 ± 0.1126
p4 108.7 ± 6.3
mean 0.1355 ± 0.0009
sigma 0.01724 ± 0.00088
invariant mass sorted by South 128 tower (row: 6 , col: 19)
by_Stower_128
Entries 1987
Mean 0.19
RMS 0.09558
χ² / ndf 44.87 / 42
p0 11.16 ± 8.06
p1 −0.03283 ± 0.06661
p2 0.25 ± 0.05
p3 1.178 ± 0.865
p4 67.28 ± 5.29
mean 0.1356 ± 0.0012
sigma 0.01743 ± 0.00157
invariant mass sorted by South 129 tower (row: 6 , col: 20)
by_Stower_129
Entries 1524
Mean 0.1885
RMS 0.09586
χ² / ndf 47.05 / 42
p0 3.958 ± 0.761
p1 0.007825 ± 0.006778
p2 0.25 ± 0.04
p3 0.6221 ± 0.1153
p4 36.02 ± 3.62
mean 0.137 ± 0.002
sigma 0.01909 ± 0.00170
invariant mass sorted by South 130 tower (row: 6 , col: 21)
by_Stower_130
Entries 1189
Mean 0.2069
RMS 0.09727
χ² / ndf 35.77 / 40
p0 156.2 ± 199.5
p1 −0.1549 ± 0.0818
p2 0.1197 ± 0.0317
p3 4.114 ± 1.299
p4 27.99 ± 3.03
mean 0.1352 ± 0.0022
sigma 0.02183 ± 0.00228
invariant mass sorted by South 131 tower (row: 6 , col: 22)
mass_by_Stower_131
Entries 1
Mean 0.04482
RMS 0
invariant mass [GeV]

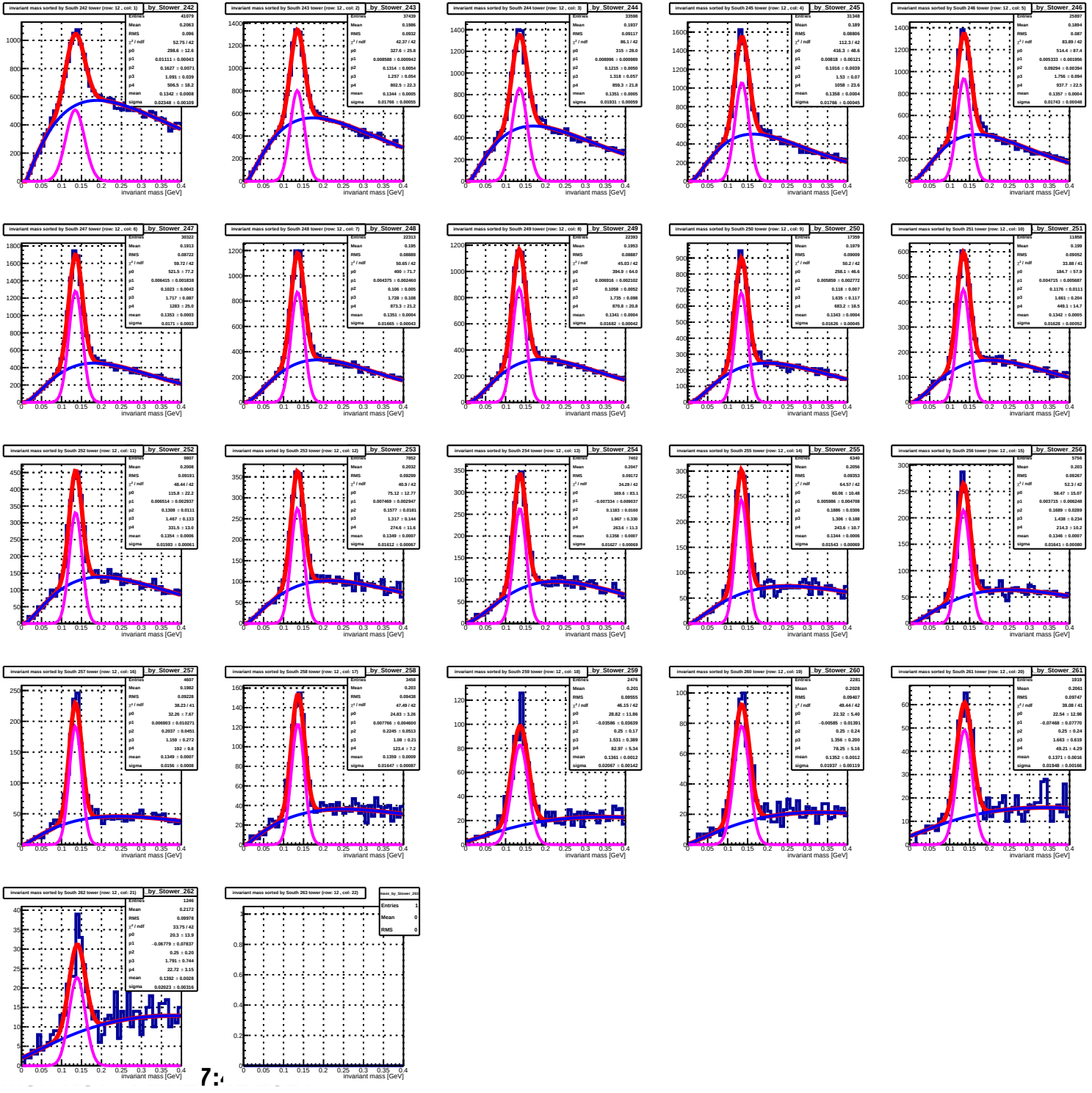

invariant mass sorted by South 132 tower (row: 7 , col: 1)
by_Stower_132
Entries 12104
Mean 0.2155
RMS 0.09742
χ² / ndf 48.48 / 42
p0 85.41 ± 6.02
p1 0.009939 ± 0.001401
p2 0.1934 ± 0.0188
p3 1.066 ± 0.086
p4 137.6 ± 10.4
mean 0.1335 ± 0.0013
sigma 0.01547 ± 0.00143
invariant mass sorted by South 133 tower (row: 7 , col: 2)
by_Stower_133
Entries 12390
Mean 0.2116
RMS 0.09674
χ² / ndf 59.88 / 42
p0 107.3 ± 16.2
p1 0.001739 ± 0.004656
p2 0.1868 ± 0.0244
p3 1.241 ± 0.158
p4 250.6 ± 12.2
mean 0.1349 ± 0.0008
sigma 0.01658 ± 0.00091
invariant mass sorted by South 134 tower (row: 7 , col: 3)
by_Stower_134
Entries 13441
Mean 0.2017
RMS 0.09553
χ² / ndf 57.02 / 42
p0 75.94 ± 3.39
p1 0.01087 ± 0.00086
p2 0.2189 ± 0.0215
p3 0.8923 ± 0.0698
p4 338.1 ± 12.8
mean 0.1348 ± 0.0006
sigma 0.01726 ± 0.00070
invariant mass sorted by South 135 tower (row: 7 , col: 4)
by_Stower_135
Entries 12257
Mean 0.1956
RMS 0.09333
χ² / ndf 52.05 / 42
p0 81.11 ± 9.85
p1 0.005932 ± 0.002945
p2 0.1692 ± 0.0168
p3 1.113 ± 0.112
p4 392 ± 13.7
mean 0.1347 ± 0.0006
sigma 0.01742 ± 0.00069
invariant mass sorted by South 136 tower (row: 7 , col: 5)
by_Stower_136
Entries 11669
Mean 0.1909
RMS 0.09064
χ² / ndf 86.2 / 42
p0 64.99 ± 4.74
p1 0.01099 ± 0.00093
p2 0.1699 ± 0.0134
p3 1.043 ± 0.068
p4 416.8 ± 12.3
mean 0.1359 ± 0.0006
sigma 0.01889 ± 0.00058
invariant mass sorted by South 137 tower (row: 7 , col: 6)
by_Stower_137
Entries 10280
Mean 0.1915
RMS 0.09014
χ² / ndf 54.84 / 42
p0 84.64 ± 16.44
p1 0.004533 ± 0.003807
p2 0.1403 ± 0.0139
p3 1.338 ± 0.143
p4 400.8 ± 13.6
mean 0.1354 ± 0.0005
sigma 0.01754 ± 0.00063
invariant mass sorted by South 138 tower (row: 7 , col: 7)
by_Stower_138
Entries 9715
Mean 0.1904
RMS 0.08978
χ² / ndf 70.36 / 42
p0 60.91 ± 8.08
p1 0.008222 ± 0.002377
p2 0.1629 ± 0.0176
p3 1.139 ± 0.118
p4 406.7 ± 13.5
mean 0.1359 ± 0.0005
sigma 0.01756 ± 0.00060
invariant mass sorted by South 139 tower (row: 7 , col: 8)
by_Stower_139
Entries 10460
Mean 0.1908
RMS 0.09012
χ² / ndf 56.59 / 42
p0 63.63 ± 8.15
p1 0.0074 ± 0.0026
p2 0.1662 ± 0.0176
p3 1.181 ± 0.116
p4 451.4 ± 14.6
mean 0.1359 ± 0.0005
sigma 0.01633 ± 0.00052
invariant mass sorted by South 140 tower (row: 7 , col: 9)
by_Stower_140
Entries 9555
Mean 0.1907
RMS 0.08895
χ² / ndf 45.9 / 42
p0 67.74 ± 10.34
p1 0.007418 ± 0.002719
p2 0.1528 ± 0.0166
p3 1.263 ± 0.139
p4 429.2 ± 13.5
mean 0.1353 ± 0.0005
sigma 0.01644 ± 0.00051
invariant mass sorted by South 141 tower (row: 7 , col: 10)
by_Stower_141
Entries 8147
Mean 0.1907
RMS 0.08913
χ² / ndf 71.26 / 42
p0 54.99 ± 8.54
p1 0.009448 ± 0.001896
p2 0.1547 ± 0.0178
p3 1.223 ± 0.130
p4 378.7 ± 12.9
mean 0.1352 ± 0.0005
sigma 0.01578 ± 0.00049
invariant mass sorted by South 142 tower (row: 7 , col: 11)
by_Stower_142
Entries 5419
Mean 0.1978
RMS 0.0914
χ² / ndf 47.11 / 42
p0 124.8 ± 91.6
p1 −0.01701 ± 0.01526
p2 0.1162 ± 0.0213
p3 2.041 ± 0.495
p4 214.3 ± 9.8
mean 0.1346 ± 0.0007
sigma 0.01655 ± 0.00074
invariant mass sorted by South 143 tower (row: 7 , col: 12)
by_Stower_143
Entries 5080
Mean 0.1973
RMS 0.09002
χ² / ndf 64.27 / 42
p0 70.1 ± 33.4
p1 0.0099259 ± 0.0079116
p2 0.1234 ± 0.0187
p3 1.735 ± 0.305
p4 211.3 ± 9.9
mean 0.1355 ± 0.0007
sigma 0.01592 ± 0.00072
invariant mass sorted by South 144 tower (row: 7 , col: 13)
by_Stower_144
Entries 3877
Mean 0.1972
RMS 0.09083
χ² / ndf 54.24 / 42
p0 34.74 ± 11.62
p1 0.006879 ± 0.005000
p2 0.1341 ± 0.0219
p3 1.424 ± 0.236
p4 117.6 ± 7.3
mean 0.1368 ± 0.0011
sigma 0.03912 ± 0.00128
invariant mass sorted by South 145 tower (row: 7 , col: 14)
by_Stower_145
Entries 3787
Mean 0.1968
RMS 0.09417
χ² / ndf 45.99 / 41
p0 39.06 ± 27.37
p1 −0.02773 ± 0.03677
p2 0.1893 ± 0.0630
p3 1.495 ± 0.678
p4 157.2 ± 8.3
mean 0.1354 ± 0.0008
sigma 0.01562 ± 0.00076
invariant mass sorted by South 146 tower (row: 7 , col: 15)
by_Stower_146
Entries 4031
Mean 0.1924
RMS 0.09174
χ² / ndf 24.55 / 42
p0 19 ± 1.7
p1 0.01072 ± 0.00157
p2 0.25 ± 0.16
p3 0.8382 ± 0.0531
p4 158.1 ± 8.1
mean 0.1362 ± 0.0008
sigma 0.01678 ± 0.00074
invariant mass sorted by South 147 tower (row: 7 , col: 16)
by_Stower_147
Entries 3618
Mean 0.1877
RMS 0.09233
χ² / ndf 51.3 / 42
p0 16.18 ± 1.74
p1 0.008555 ± 0.003450
p2 0.25 ± 0.05
p3 0.8295 ± 0.0694
p4 146.5 ± 7.7
mean 0.1342 ± 0.0008
sigma 0.01755 ± 0.00090
invariant mass sorted by South 148 tower (row: 7 , col: 17)
by_Stower_148
Entries 3016
Mean 0.1834
RMS 0.09223
χ² / ndf 39.89 / 42
p0 9.512 ± 0.877
p1 0.01161 ± 0.00063
p2 0.25 ± 0.02
p3 0.6303 ± 0.0404
p4 121.2 ± 6.9
mean 0.1339 ± 0.0009
sigma 0.01672 ± 0.00086
invariant mass sorted by South 149 tower (row: 7 , col: 18)
by_Stower_149
Entries 2497
Mean 0.1915
RMS 0.09489
χ² / ndf 43.07 / 42
p0 24.72 ± 14.56
p1 −0.06579 ± 0.07064
p2 0.25 ± 0.16
p3 1.525 ± 0.590
p4 94 ± 6.0
mean 0.1353 ± 0.0010
sigma 0.01864 ± 0.00122
invariant mass sorted by South 150 tower (row: 7 , col: 19)
by_Stower_150
Entries 1839
Mean 0.1936
RMS 0.09681
χ² / ndf 39.51 / 41
p0 13.41 ± 9.18
p1 −0.03973 ± 0.07324
p2 0.25 ± 0.16
p3 1.232 ± 0.595
p4 62.01 ± 4.77
mean 0.1334 ± 0.0013
sigma 0.01786 ± 0.00143
invariant mass sorted by South 151 tower (row: 7 , col: 20)
by_Stower_151
Entries 582
Mean 0.1828
RMS 0.1017
χ² / ndf 27.83 / 41
p0 2.945 ± 4.803
p1 −1.332 ± 0.280
p2 0.1451 ± 0.0469
p3 15.3 ± 7.0
p4 27.34 ± 2.81
mean 0.1205 ± 0.0017
sigma 0.01848 ± 0.00157
invariant mass sorted by South 152 tower (row: 7 , col: 21)
by_Stower_152
Entries 948
Mean 0.2036
RMS 0.097
χ² / ndf 29.03 / 42
p0 8.337 ± 3.300
p1 −0.02045 ± 0.04398
p2 0.25 ± 0.24
p3 1.147 ± 0.429
p4 17.47 ± 2.55
mean 0.1386 ± 0.0031
sigma 0.02225 ± 0.00330
invariant mass sorted by South 153 tower (row: 7 , col: 22)
mass_by_Stower_153
Entries 19
Mean 0.2309
RMS 0.1286
invariant mass [GeV]


invariant mass sorted by South 154 tower (row: 8 , col: 1)
by_Stower_154
Entries 15843
Mean 0.2148
RMS 0.09719
χ² / ndf 38.02 / 42
p0 134.7 ± 14.7
p1 0.006102 ± 0.002599
p2 0.1715 ± 0.0145
p3 1.214 ± 0.101
p4 179.4 ± 11.6
mean 0.1328 ± 0.0012
sigma 0.01748 ± 0.00121
invariant mass sorted by South 155 tower (row: 8 , col: 2)
by_Stower_155
Entries 16291
Mean 0.2102
RMS 0.09696
χ² / ndf 52.22 / 42
p0 120.5 ± 9.2
p1 0.007003 ± 0.002232
p2 0.2012 ± 0.0204
p3 1.08 ± 0.10
p4 296.8 ± 12.9
mean 0.1339 ± 0.0008
sigma 0.0176 ± 0.0008
invariant mass sorted by South 156 tower (row: 8 , col: 3)
by_Stower_156
Entries 17683
Mean 0.1995
RMS 0.09417
χ² / ndf 46.98 / 42
p0 114.3 ± 10.0
p1 0.007924 ± 0.001774
p2 0.1726 ± 0.0140
p3 1.073 ± 0.085
p4 471.6 ± 15.9
mean 0.1351 ± 0.0005
sigma 0.01696 ± 0.00061
invariant mass sorted by South 157 tower (row: 8 , col: 4)
by_Stower_157
Entries 15616
Mean 0.1976
RMS 0.09386
χ² / ndf 62.83 / 42
p0 93.21 ± 5.47
p1 0.01071 ± 0.00083
p2 0.1799 ± 0.0142
p3 0.9986 ± 0.0655
p4 447.8 ± 15.0
mean 0.1361 ± 0.0006
sigma 0.01793 ± 0.00065
invariant mass sorted by South 158 tower (row: 8 , col: 5)
by_Stower_158
Entries 14817
Mean 0.1948
RMS 0.09148
χ² / ndf 53.36 / 42
p0 119.1 ± 14.8
p1 0.003376 ± 0.001858
p2 0.1371 ± 0.0094
p3 1.258 ± 0.090
p4 484.1 ± 15.3
mean 0.1357 ± 0.0005
sigma 0.01684 ± 0.00055
invariant mass sorted by South 159 tower (row: 8 , col: 6)
by_Stower_159
Entries 13802
Mean 0.1917
RMS 0.08899
χ² / ndf 45.62 / 42
p0 138.4 ± 24.1
p1 0.006641 ± 0.002380
p2 0.121 ± 0.009
p3 1.437 ± 0.113
p4 540.7 ± 16.4
mean 0.1361 ± 0.0005
sigma 0.01622 ± 0.00050
invariant mass sorted by South 160 tower (row: 8 , col: 7)
by_Stower_160
Entries 12085
Mean 0.1944
RMS 0.09135
χ² / ndf 41.87 / 42
p0 85.62 ± 10.69
p1 0.008714 ± 0.001986
p2 0.1607 ± 0.0153
p3 1.155 ± 0.107
p4 471.7 ± 14.8
mean 0.1358 ± 0.0005
sigma 0.01671 ± 0.00052
invariant mass sorted by South 161 tower (row: 8 , col: 8)
by_Stower_161
Entries 10185
Mean 0.1935
RMS 0.09011
χ² / ndf 40.22 / 42
p0 77.24 ± 11.27
p1 0.008674 ± 0.002210
p2 0.148 ± 0.014
p3 1.251 ± 0.115
p4 427.1 ± 13.9
mean 0.1354 ± 0.0005
sigma 0.01627 ± 0.00050
invariant mass sorted by South 162 tower (row: 8 , col: 9)
by_Stower_162
Entries 11418
Mean 0.1935
RMS 0.09046
χ² / ndf 54.18 / 42
p0 93.99 ± 15.65
p1 0.00575 ± 0.00314
p2 0.1497 ± 0.0146
p3 1.316 ± 0.132
p4 490.4 ± 15.2
mean 0.1349 ± 0.0005
sigma 0.01617 ± 0.00050
invariant mass sorted by South 163 tower (row: 8 , col: 10)
by_Stower_163
Entries 9061
Mean 0.1936
RMS 0.09047
χ² / ndf 49.57 / 42
p0 71.95 ± 12.82
p1 0.006507 ± 0.003115
p2 0.152 ± 0.017
p3 1.287 ± 0.144
p4 399.9 ± 13.8
mean 0.1342 ± 0.0005
sigma 0.01557 ± 0.00051
invariant mass sorted by South 164 tower (row: 8 , col: 11)
by_Stower_164
Entries 6136
Mean 0.1967
RMS 0.09126
χ² / ndf 39.08 / 41
p0 57.59 ± 18.50
p1 0.006721 ± 0.007348
p2 0.1408 ± 0.0197
p3 1.378 ± 0.237
p4 236.2 ± 10.9
mean 0.1342 ± 0.0007
sigma 0.016 ± 0.001
invariant mass sorted by South 165 tower (row: 8 , col: 12)
by_Stower_165
Entries 4881
Mean 0.201
RMS 0.0934
χ² / ndf 40.78 / 42
p0 43.9 ± 10.9
p1 0.004891 ± 0.005355
p2 0.1606 ± 0.0259
p3 1.32 ± 0.21
p4 175 ± 9.2
mean 0.1354 ± 0.0008
sigma 0.01542 ± 0.00081
invariant mass sorted by South 166 tower (row: 8 , col: 13)
by_Stower_166
Entries 4166
Mean 0.201
RMS 0.09271
χ² / ndf 53.68 / 42
p0 61.37 ± 32.75
p1 −0.006497 ± 0.012019
p2 0.1347 ± 0.0260
p3 1.714 ± 0.387
p4 140.8 ± 8.7
mean 0.1351 ± 0.0009
sigma 0.01746 ± 0.00127
invariant mass sorted by South 167 tower (row: 8 , col: 14)
by_Stower_167
Entries 4276
Mean 0.1987
RMS 0.09379
χ² / ndf 53.48 / 41
p0 27.84 ± 3.85
p1 0.007456 ± 0.007965
p2 0.25 ± 0.20
p3 0.9604 ± 0.1010
p4 172.6 ± 9.3
mean 0.1352 ± 0.0007
sigma 0.01811 ± 0.00091
invariant mass sorted by South 168 tower (row: 8 , col: 15)
by_Stower_168
Entries 3968
Mean 0.1946
RMS 0.09405
χ² / ndf 63.87 / 41
p0 24.97 ± 5.76
p1 −0.005815 ± 0.017888
p2 0.25 ± 0.04
p3 1.019 ± 0.177
p4 155.6 ± 7.9
mean 0.1366 ± 0.0008
sigma 0.01777 ± 0.0010
invariant mass sorted by South 169 tower (row: 8 , col: 16)
by_Stower_169
Entries 3502
Mean 0.1933
RMS 0.09296
χ² / ndf 39.36 / 41
p0 18.81 ± 3.23
p1 0.008868 ± 0.008722
p2 0.25 ± 0.03
p3 0.9043 ± 0.1211
p4 145.9 ± 7.6
mean 0.1362 ± 0.0008
sigma 0.01763 ± 0.00089
invariant mass sorted by South 170 tower (row: 8 , col: 17)
by_Stower_170
Entries 2968
Mean 0.1931
RMS 0.09402
χ² / ndf 52.44 / 42
p0 25.17 ± 8.98
p1 −0.03447 ± 0.03280
p2 0.25 ± 0.16
p3 1.384 ± 0.320
p4 118.6 ± 6.5
mean 0.1348 ± 0.0009
sigma 0.01755 ± 0.00090
invariant mass sorted by South 171 tower (row: 8 , col: 18)
by_Stower_171
Entries 2390
Mean 0.1894
RMS 0.09349
χ² / ndf 51.46 / 41
p0 8.126 ± 1.441
p1 0.01575 ± 0.00554
p2 0.25 ± 0.01
p3 0.7085 ± 0.1084
p4 101.9 ± 6.4
mean 0.136 ± 0.001
sigma 0.01518 ± 0.00083
invariant mass sorted by South 172 tower (row: 8 , col: 19)
by_Stower_172
Entries 1885
Mean 0.1915
RMS 0.09466
χ² / ndf 45.44 / 42
p0 7.936 ± 1.895
p1 0.002679 ± 0.011620
p2 0.25 ± 0.04
p3 0.8507 ± 0.1637
p4 65.1 ± 4.3
mean 0.1353 ± 0.0013
sigma 0.01843 ± 0.00138
invariant mass sorted by South 173 tower (row: 8 , col: 20)
by_Stower_173
Entries 1637
Mean 0.1934
RMS 0.0956
χ² / ndf 37.7 / 41
p0 8.869 ± 5.101
p1 −0.0308 ± 0.0616
p2 0.25 ± 0.24
p3 1.027 ± 0.453
p4 43.47 ± 4.26
mean 0.1356 ± 0.0016
sigma 0.01854 ± 0.00187
invariant mass sorted by South 174 tower (row: 8 , col: 21)
by_Stower_174
Entries 1184
Mean 0.2077
RMS 0.09487
χ² / ndf 45.12 / 41
p0 2881 ± 3163.2
p1 −0.1958 ± 0.0938
p2 0.07967 ± 0.01209
p3 6.411 ± 1.383
p4 35.66 ± 3.36
mean 0.1373 ± 0.0018
sigma 0.01824 ± 0.00143
invariant mass sorted by South 175 tower (row: 8 , col: 22)
by_Stower_175
Entries 344
Mean 0.2422
RMS 0.1021
χ² / ndf 41.05 / 39
p0 61.71 ± 33.06
p1 -1.058 ± 1.163
p2 0.1086 ± 0.1781
p3 17.09 ± 29.29
p4 6.542 ± 1.958
mean 0.1228 ± 0.0036
sigma 0.01103 ± 0.00289
invariant mass [GeV]

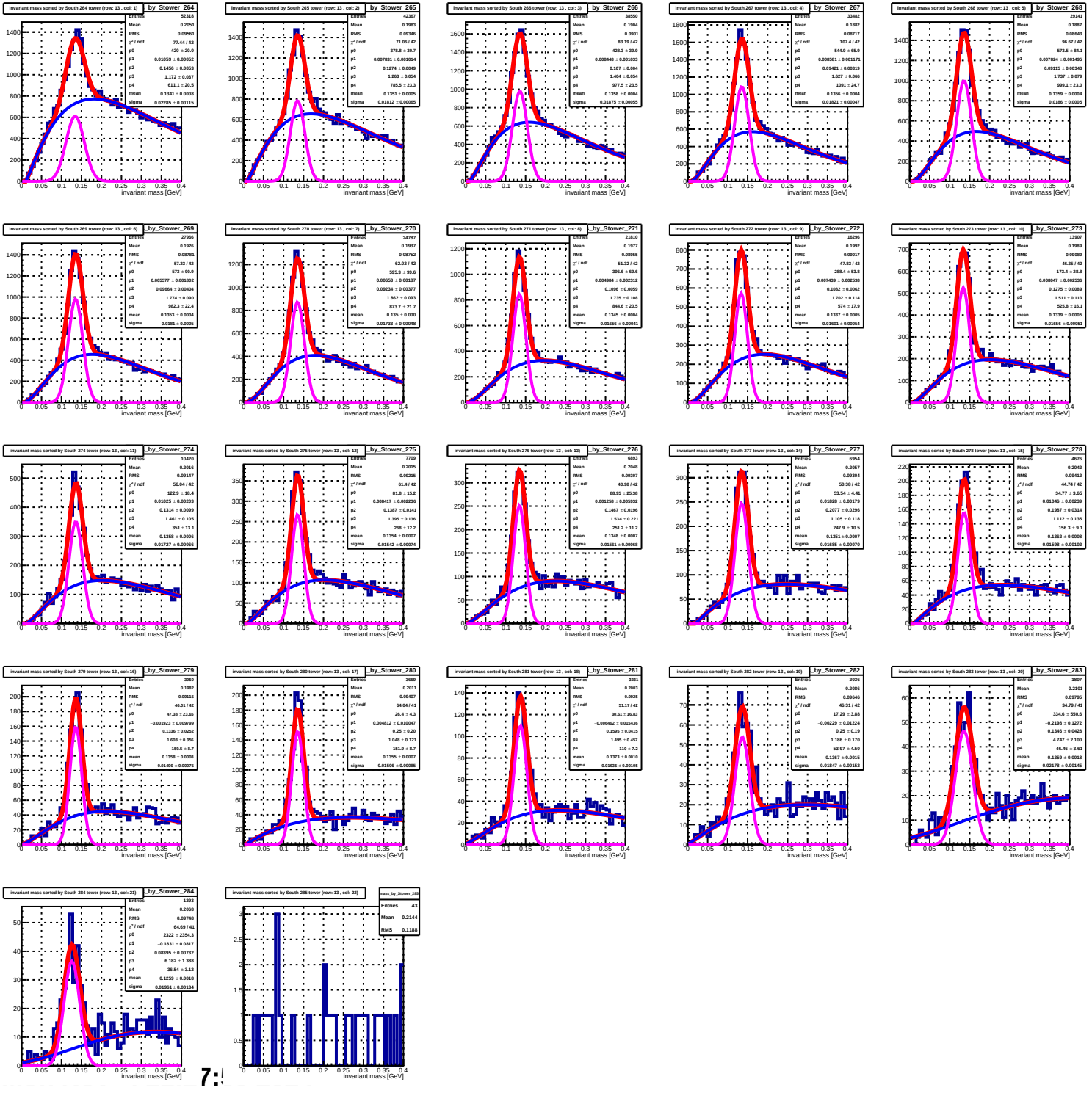

invariant mass sorted by South 176 tower (row: 9 , col: 1)
by_Stower_176
Entries 20067
Mean 0.2124
RMS 0.09706
χ² / ndf 40.15 / 42
p0 147.3 ± 9.3
p1 0.009446 ± 0.001256
p2 0.1903 ± 0.0150
p3 1.056 ± 0.072
p4 249 ± 13.2
mean 0.1348 ± 0.0010
sigma 0.01935 ± 0.00127
invariant mass sorted by South 177 tower (row: 9 , col: 2)
by_Stower_177
Entries 22510
Mean 0.2059
RMS 0.09543
χ² / ndf 55.23 / 42
p0 162.4 ± 12.0
p1 0.007377 ± 0.001811
p2 0.1864 ± 0.0150
p3 1.103 ± 0.081
p4 489.7 ± 16.2
mean 0.1355 ± 0.0006
sigma 0.01824 ± 0.00067
invariant mass sorted by South 178 tower (row: 9 , col: 3)
by_Stower_178
Entries 22538
Mean 0.1976
RMS 0.09262
χ² / ndf 57.11 / 42
p0 171.4 ± 16.3
p1 0.008541 ± 0.001367
p2 0.1446 ± 0.0085
p3 1.216 ± 0.073
p4 630.1 ± 18.3
mean 0.1343 ± 0.0005
sigma 0.01685 ± 0.00051
invariant mass sorted by South 179 tower (row: 9 , col: 4)
by_Stower_179
Entries 21062
Mean 0.1931
RMS 0.0905
χ² / ndf 64.55 / 42
p0 175.6 ± 19.6
p1 0.009696 ± 0.001188
p2 0.1283 ± 0.0073
p3 1.301 ± 0.075
p4 662.8 ± 18.3
mean 0.1348 ± 0.0005
sigma 0.01785 ± 0.00054
invariant mass sorted by South 180 tower (row: 9 , col: 5)
by_Stower_180
Entries 18992
Mean 0.1932
RMS 0.09053
χ² / ndf 57.1 / 42
p0 163 ± 19.7
p1 0.008814 ± 0.001422
p2 0.1291 ± 0.0078
p3 1.308 ± 0.082
p4 631.1 ± 17.4
mean 0.1355 ± 0.0005
sigma 0.01741 ± 0.00056
invariant mass sorted by South 181 tower (row: 9 , col: 6)
by_Stower_181
Entries 16841
Mean 0.1923
RMS 0.0887
χ² / ndf 97.29 / 42
p0 200.8 ± 33.4
p1 0.007201 ± 0.002033
p2 0.1131 ± 0.0068
p3 1.537 ± 0.103
p4 635.3 ± 18.3
mean 0.1351 ± 0.0004
sigma 0.01668 ± 0.00053
invariant mass sorted by South 182 tower (row: 9 , col: 7)
by_Stower_182
Entries 13404
Mean 0.1926
RMS 0.08931
χ² / ndf 71.92 / 42
p0 119 ± 16.0
p1 0.01046 ± 0.00114
p2 0.1293 ± 0.0091
p3 1.333 ± 0.090
p4 513.4 ± 15.2
mean 0.1354 ± 0.0005
sigma 0.01723 ± 0.00058
invariant mass sorted by South 183 tower (row: 9 , col: 8)
by_Stower_183
Entries 12175
Mean 0.1933
RMS 0.08925
χ² / ndf 43.89 / 42
p0 163.5 ± 41.0
p1 0.002938 ± 0.003722
p2 0.1134 ± 0.0090
p3 1.599 ± 0.157
p4 472.1 ± 15.5
mean 0.1352 ± 0.0005
sigma 0.01598 ± 0.00056
invariant mass sorted by South 184 tower (row: 9 , col: 9)
by_Stower_184
Entries 11407
Mean 0.1952
RMS 0.08968
χ² / ndf 44.81 / 42
p0 124.3 ± 24.5
p1 0.006491 ± 0.002615
p2 0.1301 ± 0.0113
p3 1.483 ± 0.136
p4 480.2 ± 14.9
mean 0.1347 ± 0.0005
sigma 0.01603 ± 0.00047
invariant mass sorted by South 185 tower (row: 9 , col: 10)
by_Stower_185
Entries 9843
Mean 0.1964
RMS 0.09064
χ² / ndf 66.44 / 42
p0 103.4 ± 19.7
p1 0.007273 ± 0.002692
p2 0.1319 ± 0.0119
p3 1.458 ± 0.134
p4 415.2 ± 14.8
mean 0.1346 ± 0.0005
sigma 0.01502 ± 0.00054
invariant mass sorted by South 186 tower (row: 9 , col: 11)
by_Stower_186
Entries 7705
Mean 0.1974
RMS 0.09093
χ² / ndf 94.38 / 42
p0 107.1 ± 37.0
p1 −0.003106 ± 0.007067
p2 0.1275 ± 0.0150
p3 1.657 ± 0.239
p4 302.3 ± 12.2
mean 0.135 ± 0.001
sigma 0.0164 ± 0.0007
invariant mass sorted by South 187 tower (row: 9 , col: 12)
by_Stower_187
Entries 5277
Mean 0.2022
RMS 0.09302
χ² / ndf 44.52 / 41
p0 40.26 ± 6.81
p1 0.01575 ± 0.00435
p2 0.1773 ± 0.0264
p3 1.164 ± 0.164
p4 188 ± 9.1
mean 0.1343 ± 0.0008
sigma 0.01667 ± 0.00081
invariant mass sorted by South 188 tower (row: 9 , col: 13)
by_Stower_188
Entries 4699
Mean 0.2025
RMS 0.09286
χ² / ndf 46.83 / 42
p0 38.51 ± 6.28
p1 0.009379 ± 0.003112
p2 0.1764 ± 0.0256
p3 1.223 ± 0.156
p4 166.5 ± 8.8
mean 0.1365 ± 0.0008
sigma 0.01627 ± 0.00087
invariant mass sorted by South 189 tower (row: 9 , col: 14)
by_Stower_189
Entries 4714
Mean 0.1999
RMS 0.09264
χ² / ndf 54.11 / 42
p0 177.9 ± 5.9
p1 −0.03409 ± 0.00762
p2 0.1084 ± 0.0059
p3 2.405 ± 0.019
p4 185.2 ± 9.4
mean 0.1351 ± 0.0007
sigma 0.01548 ± 0.00074
invariant mass sorted by South 190 tower (row: 9 , col: 15)
by_Stower_190
Entries 4012
Mean 0.1964
RMS 0.09134
χ² / ndf 56.5 / 41
p0 165.2 ± 319.6
p1 −0.04704 ± 0.05073
p2 0.107 ± 0.034
p3 2.507 ± 1.340
p4 155.5 ± 8.3
mean 0.136 ± 0.001
sigma 0.01639 ± 0.00085
invariant mass sorted by South 191 tower (row: 9 , col: 16)
by_Stower_191
Entries 3533
Mean 0.1931
RMS 0.09244
χ² / ndf 47.16 / 41
p0 23.89 ± 5.83
p1 −0.01453 ± 0.02164
p2 0.25 ± 0.24
p3 1.066 ± 0.192
p4 146.8 ± 7.8
mean 0.1357 ± 0.0008
sigma 0.01692 ± 0.00085
invariant mass sorted by South 192 tower (row: 9 , col: 17)
by_Stower_192
Entries 4358
Mean 0.188
RMS 0.09107
χ² / ndf 50.32 / 42
p0 17.63 ± 1.39
p1 0.01131 ± 0.00113
p2 0.25 ± 0.15
p3 0.8053 ± 0.0466
p4 201.6 ± 10.1
mean 0.1359 ± 0.0006
sigma 0.01508 ± 0.00068
invariant mass sorted by South 193 tower (row: 9 , col: 18)
by_Stower_193
Entries 3157
Mean 0.1863
RMS 0.09277
χ² / ndf 40.86 / 42
p0 14.69 ± 5.39
p1 −0.01035 ± 0.02574
p2 0.25 ± 0.02
p3 0.973 ± 0.276
p4 130.9 ± 6.9
mean 0.1357 ± 0.0008
sigma 0.01793 ± 0.00098
invariant mass sorted by South 194 tower (row: 9 , col: 19)
by_Stower_194
Entries 2205
Mean 0.1935
RMS 0.09265
χ² / ndf 32.41 / 41
p0 24.36 ± 37.73
p1 −0.04112 ± 0.07145
p2 0.165 ± 0.079
p3 1.738 ± 1.338
p4 67.48 ± 5.06
mean 0.1345 ± 0.0014
sigma 0.02031 ± 0.00163
invariant mass sorted by South 195 tower (row: 9 , col: 20)
by_Stower_195
Entries 1968
Mean 0.2005
RMS 0.09981
χ² / ndf 82.59 / 42
p0 48.44 ± 41.87
p1 −0.1723 ± 0.1785
p2 0.25 ± 0.19
p3 2.746 ± 1.583
p4 55.17 ± 4.35
mean 0.1355 ± 0.0014
sigma 0.0204 ± 0.0017
invariant mass sorted by South 196 tower (row: 9 , col: 21)
by_Stower_196
Entries 1020
Mean 0.2015
RMS 0.0966
χ² / ndf 68.94 / 40
p0 59.92 ± 18.52
p1 −1.229 ± 0.674
p2 0.1049 ± 0.0721
p3 18.46 ± 18.58
p4 33.47 ± 3.21
mean 0.1318 ± 0.0017
sigma 0.01643 ± 0.00134
invariant mass sorted by South 197 tower (row: 9 , col: 22)
by_Stower_197
Entries 566
Mean 0.231
RMS 0.1078
χ² / ndf 37.69 / 40
p0 30.32 ± 26.13
p1 −0.4655 ± 0.0823
p2 0.25 ± 0.21
p3 4.819 ± 0.826
p4 6.147 ± 1.915
mean 0.1246 ± 0.0053
sigma 0.01855 ± 0.00077
invariant mass [GeV]

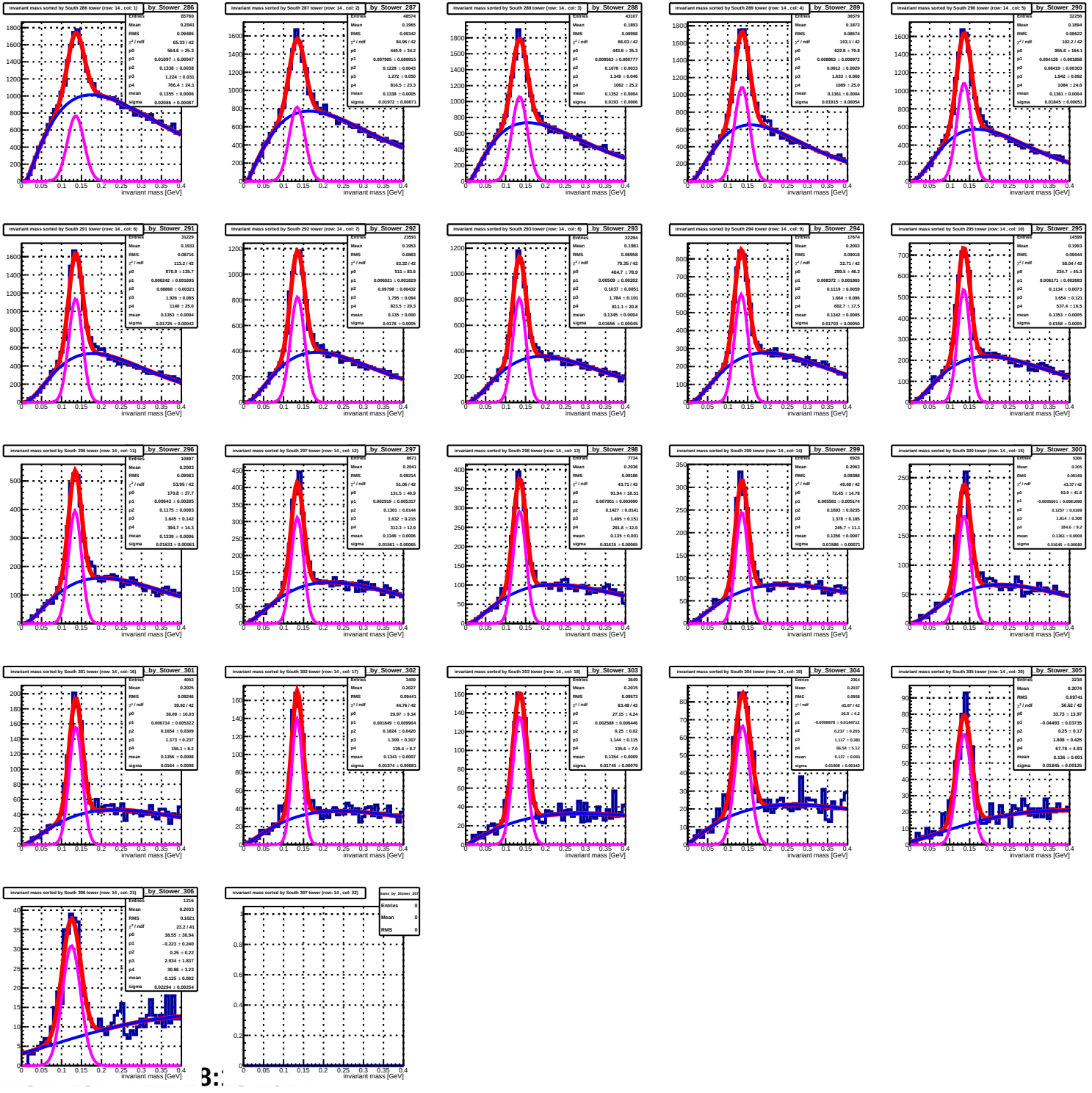

invariant mass sorted by South 198 tower (row: 10 , col: 1)
by_Stower_198
Entries 25450
Mean 0.2116
RMS 0.09697
χ² / ndf 34.43 / 42
p0 192.1 ± 8.9
p1 0.0108 ± 0.0007
p2 0.1825 ± 0.0111
p3 1.08 ± 0.05
p4 306.5 ± 13.9
mean 0.1333 ± 0.0010
sigma 0.02168 ± 0.00120
invariant mass sorted by South 199 tower (row: 10 , col: 2)
by_Stower_199
Entries 27628
Mean 0.2054
RMS 0.09463
χ² / ndf 57.15 / 42
p0 230.6 ± 20.1
p1 0.007496 ± 0.001486
p2 0.1567 ± 0.0095
p3 1.223 ± 0.073
p4 593.6 ± 18.6
mean 0.135 ± 0.001
sigma 0.01723 ± 0.00061
invariant mass sorted by South 200 tower (row: 10 , col: 3)
by_Stower_200
Entries 26054
Mean 0.1967
RMS 0.09307
χ² / ndf 54.12 / 42
p0 178.1 ± 11.7
p1 0.01014 ± 0.00083
p2 0.1529 ± 0.0080
p3 1.109 ± 0.054
p4 689.3 ± 19.0
mean 0.1349 ± 0.0005
sigma 0.01835 ± 0.00056
invariant mass sorted by South 201 tower (row: 10 , col: 4)
by_Stower_201
Entries 22663
Mean 0.1911
RMS 0.08986
χ² / ndf 45.71 / 42
p0 209.3 ± 24.3
p1 0.008623 ± 0.001314
p2 0.1197 ± 0.0060
p3 1.348 ± 0.073
p4 709.1 ± 19.1
mean 0.135 ± 0.000
sigma 0.01822 ± 0.00055
invariant mass sorted by South 202 tower (row: 10 , col: 5)
by_Stower_202
Entries 21836
Mean 0.1924
RMS 0.08977
χ² / ndf 83.14 / 42
p0 199.7 ± 22.1
p1 0.009002 ± 0.001344
p2 0.1271 ± 0.0069
p3 1.335 ± 0.074
p4 772.3 ± 18.5
mean 0.1356 ± 0.0004
sigma 0.01759 ± 0.00051
invariant mass sorted by South 203 tower (row: 10 , col: 6)
by_Stower_203
Entries 19043
Mean 0.1931
RMS 0.08926
χ² / ndf 73.21 / 42
p0 244.2 ± 32.8
p1 0.007373 ± 0.001684
p2 0.1139 ± 0.0059
p3 1.522 ± 0.082
p4 733.9 ± 19.0
mean 0.1349 ± 0.0004
sigma 0.01683 ± 0.00046
invariant mass sorted by South 204 tower (row: 10 , col: 7)
by_Stower_204
Entries 16596
Mean 0.1913
RMS 0.08905
χ² / ndf 43.86 / 42
p0 147.5 ± 17.7
p1 0.009542 ± 0.001267
p2 0.1276 ± 0.0077
p3 1.318 ± 0.081
p4 669.3 ± 18.4
mean 0.1356 ± 0.0004
sigma 0.0166 ± 0.0005
invariant mass sorted by South 205 tower (row: 10 , col: 8)
by_Stower_205
Entries 14312
Mean 0.1953
RMS 0.08944
χ² / ndf 57.48 / 42
p0 162.7 ± 25.5
p1 0.008761 ± 0.001927
p2 0.1256 ± 0.0087
p3 1.489 ± 0.104
p4 592.6 ± 15.9
mean 0.1353 ± 0.0004
sigma 0.01676 ± 0.00047
invariant mass sorted by South 206 tower (row: 10 , col: 9)
by_Stower_206
Entries 13274
Mean 0.1958
RMS 0.09048
χ² / ndf 53.2 / 42
p0 124.3 ± 17.3
p1 0.008235 ± 0.002002
p2 0.1395 ± 0.0106
p3 1.356 ± 0.102
p4 532.1 ± 15.8
mean 0.1352 ± 0.0005
sigma 0.01652 ± 0.00048
invariant mass sorted by South 207 tower (row: 10 , col: 10)
by_Stower_207
Entries 11734
Mean 0.1956
RMS 0.08969
χ² / ndf 33.91 / 42
p0 161.6 ± 41.2
p1 0.002705 ± 0.004184
p2 0.1211 ± 0.0106
p3 1.642 ± 0.126
p4 516.2 ± 15.9
mean 0.1347 ± 0.0004
sigma 0.01548 ± 0.00046
invariant mass sorted by South 208 tower (row: 10 , col: 11)
by_Stower_208
Entries 8358
Mean 0.1964
RMS 0.09069
χ² / ndf 48.77 / 42
p0 77.35 ± 12.81
p1 0.009049 ± 0.002151
p2 0.1446 ± 0.0146
p3 1.36 ± 0.13
p4 334 ± 12.3
mean 0.1345 ± 0.0006
sigma 0.01682 ± 0.00060
invariant mass sorted by South 209 tower (row: 10 , col: 12)
by_Stower_209
Entries 6387
Mean 0.2014
RMS 0.09203
χ² / ndf 46.35 / 42
p0 78.44 ± 21.89
p1 0.003283 ± 0.005292
p2 0.143 ± 0.019
p3 1.534 ± 0.211
p4 244 ± 10.8
mean 0.1347 ± 0.0007
sigma 0.01681 ± 0.00074
invariant mass sorted by South 210 tower (row: 10 , col: 13)
by_Stower_210
Entries 4807
Mean 0.2019
RMS 0.09188
χ² / ndf 59.19 / 42
p0 89.89 ± 52.94
p1 −0.005536 ± 0.010714
p2 0.1224 ± 0.0222
p3 1.851 ± 0.402
p4 160 ± 8.4
mean 0.1348 ± 0.0009
sigma 0.01811 ± 0.00098
invariant mass sorted by South 211 tower (row: 10 , col: 14)
by_Stower_211
Entries 5015
Mean 0.2004
RMS 0.09287
χ² / ndf 52.24 / 41
p0 214.8 ± 128.1
p1 −0.04817 ± 0.04193
p2 0.1139 ± 0.0324
p3 2.521 ± 1.099
p4 196.8 ± 9.4
mean 0.1354 ± 0.0007
sigma 0.01611 ± 0.00074
invariant mass sorted by South 212 tower (row: 10 , col: 15)
by_Stower_212
Entries 4187
Mean 0.202
RMS 0.09242
χ² / ndf 63.71 / 42
p0 159.9 ± 167.3
p1 −0.0188 ± 0.0224
p2 0.1081 ± 0.0228
p3 2.431 ± 0.709
p4 166.7 ± 8.8
mean 0.1353 ± 0.0007
sigma 0.01544 ± 0.00077
invariant mass sorted by South 213 tower (row: 10 , col: 16)
by_Stower_213
Entries 3558
Mean 0.1978
RMS 0.09413
χ² / ndf 49.2 / 42
p0 21.48 ± 1.92
p1 0.01022 ± 0.00209
p2 0.25 ± 0.18
p3 0.9151 ± 0.0564
p4 144.5 ± 8.3
mean 0.1346 ± 0.0008
sigma 0.01578 ± 0.00084
invariant mass sorted by South 214 tower (row: 10 , col: 17)
by_Stower_214
Entries 4538
Mean 0.1893
RMS 0.09086
χ² / ndf 30.4 / 42
p0 21.01 ± 2.21
p1 0.008921 ± 0.003099
p2 0.25 ± 0.03
p3 0.8523 ± 0.0681
p4 196.3 ± 8.8
mean 0.1354 ± 0.0007
sigma 0.01681 ± 0.00069
invariant mass sorted by South 215 tower (row: 10 , col: 18)
by_Stower_215
Entries 3698
Mean 0.1893
RMS 0.09084
χ² / ndf 63.08 / 41
p0 20.23 ± 4.54
p1 −0.0004008 ± 0.014955
p2 0.25 ± 0.20
p3 1.04 ± 0.17
p4 150.8 ± 7.3
mean 0.1354 ± 0.0008
sigma 0.0174 ± 0.0007
invariant mass sorted by South 216 tower (row: 10 , col: 19)
by_Stower_216
Entries 2258
Mean 0.1934
RMS 0.09386
χ² / ndf 52.17 / 42
p0 10.55 ± 1.86
p1 0.005977 ± 0.006943
p2 0.25 ± 0.05
p3 0.9105 ± 0.1181
p4 86.83 ± 5.82
mean 0.1361 ± 0.0010
sigma 0.01682 ± 0.00104
invariant mass sorted by South 217 tower (row: 10 , col: 20)
by_Stower_217
Entries 1929
Mean 0.2018
RMS 0.09629
χ² / ndf 49.8 / 41
p0 31.64 ± 59.69
p1 −0.07839 ± 0.10549
p2 0.176 ± 0.178
p3 2.164 ± 1.842
p4 50.85 ± 4.38
mean 0.1365 ± 0.0015
sigma 0.01882 ± 0.00155
invariant mass sorted by South 218 tower (row: 10 , col: 21)
by_Stower_218
Entries 1639
Mean 0.2078
RMS 0.102
χ² / ndf 44.69 / 42
p0 54.56 ± 32.27
p1 −0.2565 ± 0.2164
p2 0.25 ± 0.21
p3 3.268 ± 1.700
p4 33.95 ± 3.41
mean 0.1322 ± 0.0021
sigma 0.02204 ± 0.00219
invariant mass sorted by South 219 tower (row: 10 , col: 22)
mass_by_Stower_219
Entries 3
Mean 0.14
RMS 0.07437
invariant mass [GeV]

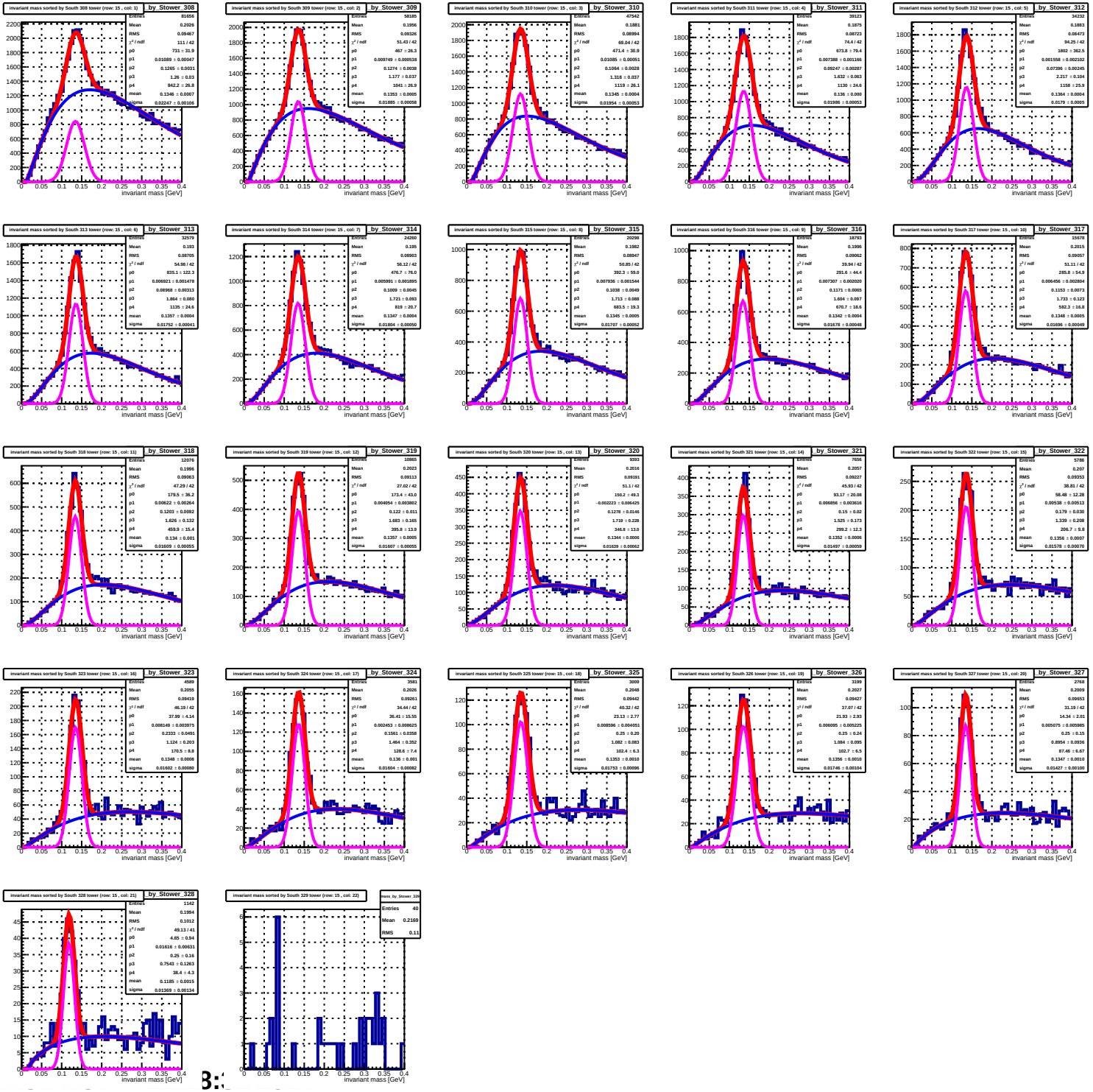

invariant mass sorted by South 220 tower (row: 11 , col: 1) by_Stower_220
Entries 31943
Mean 0.209
RMS 0.09626
χ² / ndf 69.81 / 42
p0 2513 ± 12.6
p1 0.010192 ± 0.00060
p2 0.1576 ± 0.0070
p3 1.15 ± 0.04
p4 404.7 ± 17.7
mean 0.1331 ± 0.0008
sigma 0.01912 ± 0.00110
invariant mass sorted by South 221 tower (row: 11 , col: 2) by_Stower_221
Entries 34305
Mean 0.203
RMS 0.09415
χ² / ndf 58.27 / 42
p0 271.4 ± 17.0
p1 0.00994 ± 0.00075
p2 0.1531 ± 0.0074
p3 1.174 ± 0.052
p4 733.1 ± 20.8
mean 0.1347 ± 0.0005
sigma 0.0181 ± 0.0008
invariant mass sorted by South 222 tower (row: 11 , col: 3) by_Stower_222
Entries 32761
Mean 0.1949
RMS 0.09217
χ² / ndf 50.92 / 42
p0 250.5 ± 18.3
p1 0.009752 ± 0.000812
p2 0.1362 ± 0.0060
p3 1.191 ± 0.052
p4 880.6 ± 21.4
mean 0.135 ± 0.000
sigma 0.01794 ± 0.00049
invariant mass sorted by South 223 tower (row: 11 , col: 4) by_Stower_223
Entries 27846
Mean 0.1913
RMS 0.0893
χ² / ndf 81.41 / 42
p0 297.4 ± 23.5
p1 0.008314 ± 0.001273
p2 0.1141 ± 0.0050
p3 1.426 ± 0.069
p4 882.3 ± 21.3
mean 0.1349 ± 0.0004
sigma 0.01838 ± 0.00050
invariant mass sorted by South 224 tower (row: 11 , col: 5) by_Stower_224
Entries 28955
Mean 0.1902
RMS 0.08734
χ² / ndf 90.23 / 42
p0 428.9 ± 61.4
p1 0.00662 ± 0.00159
p2 0.1041 ± 0.0046
p3 1.642 ± 0.084
p4 1129 ± 23.4
mean 0.135 ± 0.000
sigma 0.01774 ± 0.00048
invariant mass sorted by South 225 tower (row: 11 , col: 6) by_Stower_225
Entries 24086
Mean 0.1903
RMS 0.08812
χ² / ndf 54.75 / 42
p0 322.3 ± 49.5
p1 0.005848 ± 0.002068
p2 0.11 ± 0.01
p3 1.579 ± 0.093
p4 983.7 ± 21.6
mean 0.1348 ± 0.0004
sigma 0.01738 ± 0.00040
invariant mass sorted by South 226 tower (row: 11 , col: 7) by_Stower_226
Entries 19447
Mean 0.191
RMS 0.08783
χ² / ndf 46.24 / 42
p0 221.2 ± 30.9
p1 0.008943 ± 0.001727
p2 0.1175 ± 0.0064
p3 1.489 ± 0.089
p4 851.6 ± 19.8
mean 0.135 ± 0.000
sigma 0.01687 ± 0.00039
invariant mass sorted by South 227 tower (row: 11 , col: 8) by_Stower_227
Entries 16415
Mean 0.1958
RMS 0.08959
χ² / ndf 62.06 / 42
p0 229.6 ± 34.9
p1 0.007488 ± 0.002081
p2 0.1234 ± 0.0076
p3 1.531 ± 0.101
p4 754.7 ± 19.0
mean 0.1351 ± 0.0004
sigma 0.01694 ± 0.00043
invariant mass sorted by South 228 tower (row: 11 , col: 9) by_Stower_228
Entries 16196
Mean 0.1952
RMS 0.08908
χ² / ndf 35.26 / 42
p0 220.4 ± 38.5
p1 0.007721 ± 0.002416
p2 0.1168 ± 0.0073
p3 1.592 ± 0.112
p4 714.2 ± 19.0
mean 0.1342 ± 0.0004
sigma 0.01544 ± 0.00041
invariant mass sorted by South 229 tower (row: 11 , col: 10) by_Stower_229
Entries 11703
Mean 0.198
RMS 0.08981
χ² / ndf 25.18 / 42
p0 194.1 ± 49.9
p1 0.003184 ± 0.003733
p2 0.1162 ± 0.0096
p3 1.721 ± 0.166
p4 497.6 ± 15.6
mean 0.1343 ± 0.0005
sigma 0.01541 ± 0.00046
invariant mass sorted by South 230 tower (row: 11 , col: 11) by_Stower_230
Entries 8446
Mean 0.2024
RMS 0.09142
χ² / ndf 59.03 / 42
p0 115.3 ± 26.2
p1 0.005798 ± 0.003604
p2 0.1309 ± 0.0126
p3 1.569 ± 0.159
p4 327.5 ± 13.0
mean 0.1361 ± 0.0006
sigma 0.01562 ± 0.00061
invariant mass sorted by South 231 tower (row: 11 , col: 12) by_Stower_231
Entries 6788
Mean 0.2013
RMS 0.09187
χ² / ndf 49.9 / 42
p0 72.23 ± 15.42
p1 0.007761 ± 0.002556
p2 0.1368 ± 0.0156
p3 1.405 ± 0.154
p4 226.7 ± 10.8
mean 0.1357 ± 0.0008
sigma 0.01617 ± 0.00080
invariant mass sorted by South 232 tower (row: 11 , col: 13) by_Stower_232
Entries 6367
Mean 0.2002
RMS 0.0927
χ² / ndf 59.21 / 42
p0 50.31 ± 8.25
p1 0.007357 ± 0.003489
p2 0.182 ± 0.028
p3 1.189 ± 0.168
p4 241.6 ± 10.8
mean 0.1355 ± 0.0007
sigma 0.01625 ± 0.00077
invariant mass sorted by South 233 tower (row: 11 , col: 14) by_Stower_233
Entries 6155
Mean 0.2017
RMS 0.09183
χ² / ndf 50.43 / 42
p0 103.5 ± 51.9
p1 −0.007863 ± 0.011214
p2 0.1352 ± 0.0240
p3 1.812 ± 0.379
p4 239.1 ± 10.5
mean 0.1345 ± 0.0007
sigma 0.01831 ± 0.00072
invariant mass sorted by South 234 tower (row: 11 , col: 15) by_Stower_234
Entries 6771
Mean 0.1985
RMS 0.09158
χ² / ndf 48.22 / 41
p0 59.26 ± 21.11
p1 0.001612 ± 0.013530
p2 0.1703 ± 0.0335
p3 1.386 ± 0.317
p4 284 ± 11.4
mean 0.1353 ± 0.0006
sigma 0.01566 ± 0.00061
invariant mass sorted by South 235 tower (row: 11 , col: 16) by_Stower_235
Entries 5477
Mean 0.1927
RMS 0.09019
χ² / ndf 42.05 / 42
p0 31.87 ± 4.24
p1 0.009508 ± 0.002746
p2 0.189 ± 0.030
p3 1.122 ± 0.152
p4 261 ± 11.0
mean 0.1345 ± 0.0006
sigma 0.01466 ± 0.00055
invariant mass sorted by South 236 tower (row: 11 , col: 17) by_Stower_236
Entries 3310
Mean 0.2014
RMS 0.09498
χ² / ndf 36.15 / 42
p0 31.23 ± 6.62
p1 −0.005579 ± 0.012156
p2 0.25 ± 0.04
p3 1.268 ± 0.172
p4 120 ± 6.7
mean 0.1343 ± 0.0010
sigma 0.01944 ± 0.00109
invariant mass sorted by South 237 tower (row: 11 , col: 18) by_Stower_237
Entries 2593
Mean 0.1967
RMS 0.09332
χ² / ndf 29.87 / 42
p0 14.89 ± 1.89
p1 0.008528 ± 0.003995
p2 0.25 ± 0.16
p3 0.9438 ± 0.0851
p4 92.54 ± 5.97
mean 0.1354 ± 0.0011
sigma 0.01777 ± 0.00108
invariant mass sorted by South 238 tower (row: 11 , col: 19) by_Stower_238
Entries 2241
Mean 0.1996
RMS 0.09501
χ² / ndf 74.28 / 42
p0 14.22 ± 3.17
p1 0.001864 ± 0.010175
p2 0.25 ± 0.04
p3 1.073 ± 0.166
p4 68.08 ± 4.83
mean 0.1359 ± 0.0013
sigma 0.02034 ± 0.00161
invariant mass sorted by South 239 tower (row: 11 , col: 20) by_Stower_239
Entries 1728
Mean 0.1986
RMS 0.09699
χ² / ndf 26.21 / 42
p0 11.82 ± 5.20
p1 −0.02798 ± 0.04069
p2 0.25 ± 0.18
p3 1.141 ± 0.362
p4 48.38 ± 4.38
mean 0.1372 ± 0.0016
sigma 0.0181 ± 0.0018
invariant mass sorted by South 240 tower (row: 11 , col: 21) by_Stower_240
Entries 1527
Mean 0.2071
RMS 0.1002
χ² / ndf 32.66 / 41
p0 13.94 ± 7.44
p1 −0.03938 ± 0.05694
p2 0.25 ± 0.22
p3 1.321 ± 0.480
p4 27.7 ± 3.7
mean 0.131 ± 0.002
sigma 0.01868 ± 0.00299
invariant mass sorted by South 241 tower (row: 11 , col: 22)
mass_by_Stower_241
Entries 0
Mean 0
RMS 0
invariant mass [GeV]

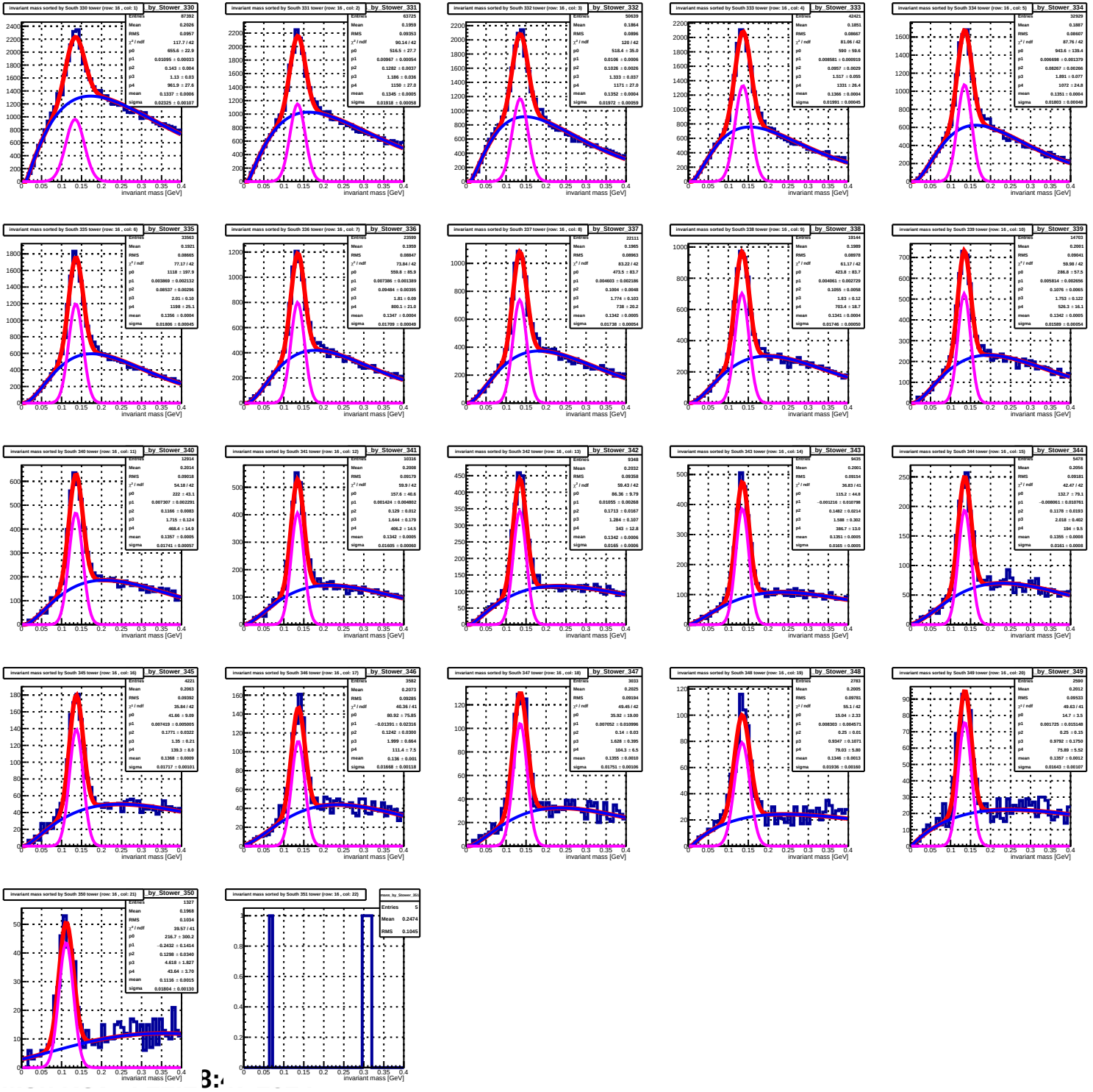

invariant mass sorted by South 242 tower (row: 12 , col: 1) by_Stower_242
Entries 41079
Mean 0.2063
RMS 0.096
χ² / ndf 52.75 / 42
p0 298.6 ± 12.6
p1 0.01111 ± 0.00043
p2 0.1627 ± 0.0071
p3 1.091 ± 0.039
p4 506.5 ± 18.2
mean 0.1342 ± 0.0008
sigma 0.02348 ± 0.00109
invariant mass sorted by South 243 tower (row: 12 , col: 2) by_Stower_243
Entries 37439
Mean 0.1986
RMS 0.0932
χ² / ndf 42.37 / 42
p0 327.6 ± 25.8
p1 0.008588 ± 0.000942
p2 0.1314 ± 0.0054
p3 1.257 ± 0.054
p4 802.5 ± 22.3
mean 0.1344 ± 0.0005
sigma 0.01766 ± 0.00055
invariant mass sorted by South 244 tower (row: 12 , col: 3) by_Stower_244
Entries 33598
Mean 0.1937
RMS 0.09117
χ² / ndf 86.1 / 42
p0 315 ± 28.0
p1 0.008996 ± 0.000989
p2 0.1215 ± 0.0050
p3 1.318 ± 0.057
p4 859.3 ± 21.8
mean 0.1351 ± 0.0005
sigma 0.01531 ± 0.00059
invariant mass sorted by South 245 tower (row: 12 , col: 4) by_Stower_245
Entries 31348
Mean 0.189
RMS 0.08806
χ² / ndf 112.3 / 42
p0 416.3 ± 48.6
p1 0.00818 ± 0.00121
p2 0.1016 ± 0.0039
p3 1.53 ± 0.07
p4 1058 ± 23.6
mean 0.1358 ± 0.0004
sigma 0.01766 ± 0.00045
invariant mass sorted by South 246 tower (row: 12 , col: 5) by_Stower_246
Entries 25897
Mean 0.1894
RMS 0.087
χ² / ndf 83.89 / 42
p0 514.4 ± 87.4
p1 0.005333 ± 0.001956
p2 0.09294 ± 0.00394
p3 1.756 ± 0.094
p4 937.7 ± 22.5
mean 0.1357 ± 0.0004
sigma 0.01743 ± 0.00046
invariant mass sorted by South 247 tower (row: 12 , col: 6) by_Stower_247
Entries 36322
Mean 0.1913
RMS 0.08722
χ² / ndf 59.72 / 42
p0 521.5 ± 77.2
p1 0.006415 ± 0.001838
p2 0.1023 ± 0.0043
p3 1.717 ± 0.087
p4 1283 ± 25.0
mean 0.1353 ± 0.0003
sigma 0.0171 ± 0.0003
invariant mass sorted by South 248 tower (row: 12 , col: 7) by_Stower_248
Entries 22313
Mean 0.195
RMS 0.08889
χ² / ndf 50.65 / 42
p0 400 ± 71.7
p1 0.004375 ± 0.002460
p2 0.106 ± 0.005
p3 1.726 ± 0.108
p4 873.3 ± 21.2
mean 0.1351 ± 0.0004
sigma 0.01665 ± 0.00043
invariant mass sorted by South 249 tower (row: 12 , col: 8) by_Stower_249
Entries 22393
Mean 0.1953
RMS 0.08887
χ² / ndf 45.03 / 42
p0 394.9 ± 64.0
p1 0.006916 ± 0.002102
p2 0.1058 ± 0.0052
p3 1.725 ± 0.098
p4 870.8 ± 20.8
mean 0.1341 ± 0.0004
sigma 0.01682 ± 0.00042
invariant mass sorted by South 250 tower (row: 12 , col: 9) by_Stower_250
Entries 17259
Mean 0.1979
RMS 0.09009
χ² / ndf 50.2 / 42
p0 258.1 ± 46.6
p1 0.005859 ± 0.002772
p2 0.118 ± 0.007
p3 1.635 ± 0.117
p4 683.2 ± 18.5
mean 0.1343 ± 0.0004
sigma 0.01626 ± 0.00045
invariant mass sorted by South 251 tower (row: 12 , col: 10) by_Stower_251
Entries 11858
Mean 0.199
RMS 0.09052
χ² / ndf 33.88 / 41
p0 184.7 ± 57.9
p1 0.004715 ± 0.005687
p2 0.1176 ± 0.0111
p3 1.681 ± 0.204
p4 449.1 ± 14.7
mean 0.1342 ± 0.0005
sigma 0.01628 ± 0.00052
invariant mass sorted by South 252 tower (row: 12 , col: 11) by_Stower_252
Entries 9807
Mean 0.2008
RMS 0.09191
χ² / ndf 48.44 / 42
p0 115.8 ± 22.2
p1 0.006514 ± 0.002937
p2 0.1308 ± 0.0111
p3 1.467 ± 0.133
p4 331.5 ± 13.0
mean 0.1354 ± 0.0006
sigma 0.01593 ± 0.00061
invariant mass sorted by South 253 tower (row: 12 , col: 12) by_Stower_253
Entries 7852
Mean 0.2032
RMS 0.09299
χ² / ndf 40.9 / 42
p0 75.12 ± 12.77
p1 0.007469 ± 0.002947
p2 0.1577 ± 0.0181
p3 1.317 ± 0.144
p4 274.6 ± 11.3
mean 0.1349 ± 0.0007
sigma 0.01612 ± 0.00067
invariant mass sorted by South 254 tower (row: 12 , col: 13) by_Stower_254
Entries 7402
Mean 0.2047
RMS 0.09172
χ² / ndf 34.28 / 42
p0 169.6 ± 81.1
p1 −0.007334 ± 0.009037
p2 0.1183 ± 0.0160
p3 1.967 ± 0.330
p4 263.6 ± 11.3
mean 0.1358 ± 0.0007
sigma 0.01627 ± 0.00069
invariant mass sorted by South 255 tower (row: 12 , col: 14) by_Stower_255
Entries 6349
Mean 0.2056
RMS 0.09353
χ² / ndf 64.57 / 42
p0 69.66 ± 18.48
p1 0.005986 ± 0.004708
p2 0.1886 ± 0.0306
p3 1.306 ± 0.188
p4 243.6 ± 10.7
mean 0.1344 ± 0.0006
sigma 0.01543 ± 0.00069
invariant mass sorted by South 256 tower (row: 12 , col: 15) by_Stower_256
Entries 5756
Mean 0.203
RMS 0.09267
χ² / ndf 52.3 / 42
p0 58.47 ± 15.07
p1 0.003715 ± 0.005248
p2 0.1689 ± 0.0289
p3 1.438 ± 0.234
p4 214.3 ± 10.2
mean 0.1346 ± 0.0007
sigma 0.01641 ± 0.00080
invariant mass sorted by South 257 tower (row: 12 , col: 16) by_Stower_257
Entries 4607
Mean 0.1982
RMS 0.09228
χ² / ndf 38.23 / 41
p0 32.26 ± 7.67
p1 0.006903 ± 0.010271
p2 0.2037 ± 0.0451
p3 1.159 ± 0.272
p4 192 ± 9.8
mean 0.1349 ± 0.0007
sigma 0.0156 ± 0.0008
invariant mass sorted by South 258 tower (row: 12 , col: 17) by_Stower_258
Entries 3458
Mean 0.203
RMS 0.09438
χ² / ndf 47.49 / 42
p0 24.83 ± 3.26
p1 0.007766 ± 0.004600
p2 0.2245 ± 0.0513
p3 1.08 ± 0.21
p4 123.4 ± 7.2
mean 0.1359 ± 0.0009
sigma 0.01647 ± 0.00087
invariant mass sorted by South 259 tower (row: 12 , col: 18) by_Stower_259
Entries 2476
Mean 0.201
RMS 0.09555
χ² / ndf 46.15 / 42
p0 28.82 ± 11.86
p1 −0.03586 ± 0.03639
p2 0.25 ± 0.17
p3 1.531 ± 0.389
p4 82.97 ± 5.34
mean 0.1361 ± 0.0012
sigma 0.02067 ± 0.00142
invariant mass sorted by South 260 tower (row: 12 , col: 19) by_Stower_260
Entries 2281
Mean 0.2029
RMS 0.09407
χ² / ndf 49.44 / 42
p0 22.32 ± 5.40
p1 −0.00585 ± 0.01391
p2 0.25 ± 0.24
p3 1.356 ± 0.359
p4 78.25 ± 5.16
mean 0.1352 ± 0.0012
sigma 0.01937 ± 0.00119
invariant mass sorted by South 261 tower (row: 12 , col: 20) by_Stower_261
Entries 1919
Mean 0.2061
RMS 0.09747
χ² / ndf 39.08 / 41
p0 22.54 ± 12.98
p1 −0.07468 ± 0.07770
p2 0.25 ± 0.24
p3 1.663 ± 0.619
p4 49.21 ± 4.29
mean 0.1371 ± 0.0016
sigma 0.01948 ± 0.00166
invariant mass sorted by South 262 tower (row: 12 , col: 21) by_Stower_262
Entries 1246
Mean 0.2172
RMS 0.09978
χ² / ndf 33.75 / 42
p0 20.3 ± 13.9
p1 −0.06779 ± 0.07837
p2 0.25 ± 0.20
p3 1.791 ± 0.744
p4 22.72 ± 3.15
mean 0.1392 ± 0.0028
sigma 0.02023 ± 0.00316
invariant mass sorted by South 263 tower (row: 12 , col: 22)
mass_by_Stower_263
Entries 1
Mean 0
RMS 0
invariant mass [GeV]

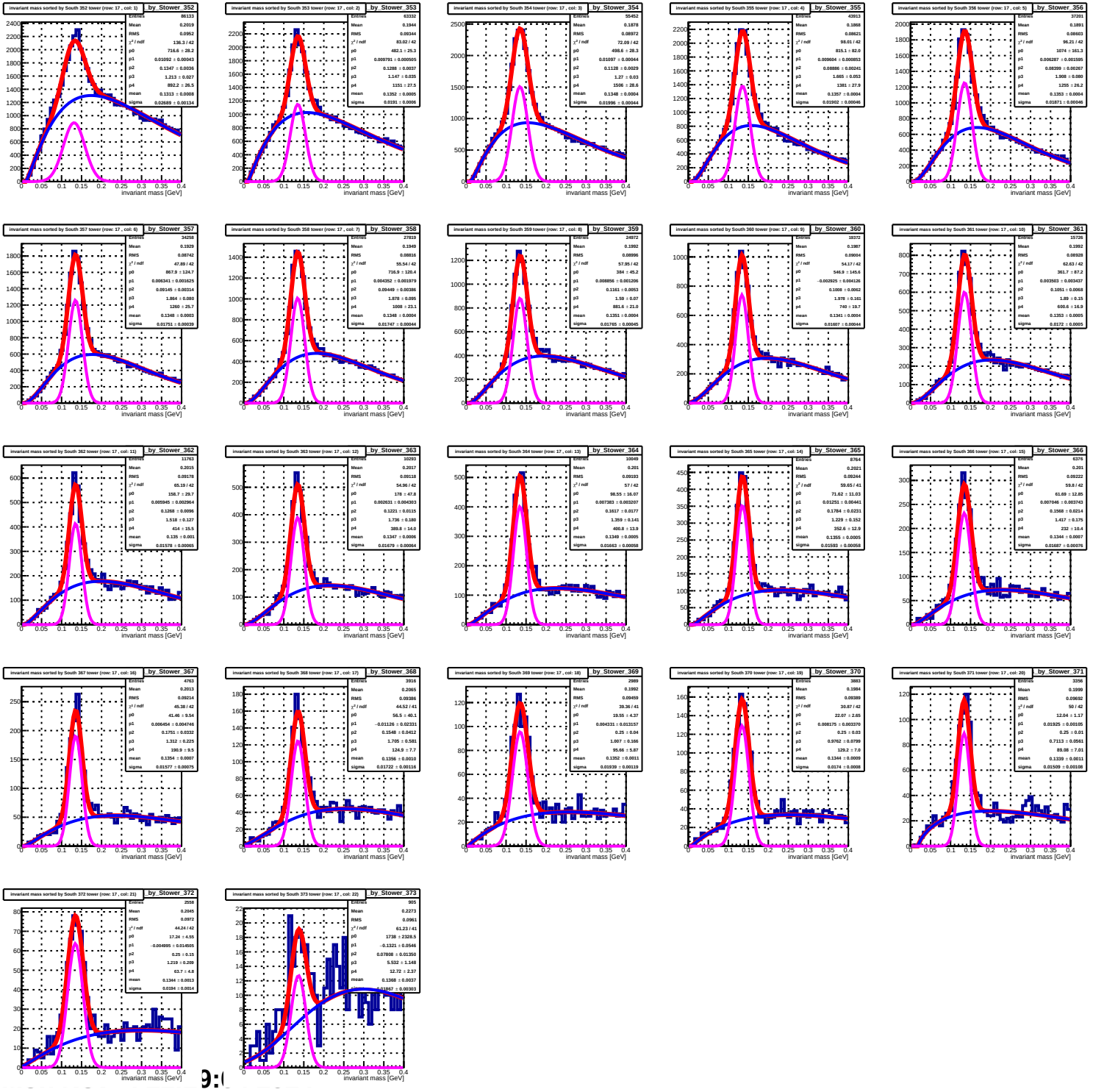
7:

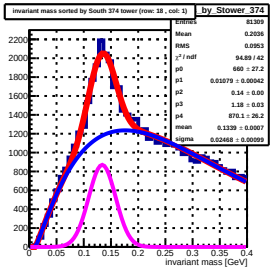

invariant mass sorted by South 264 tower (row: 13 , col: 1)
by_Stower_264
Entries 52318
Mean 0.2051
RMS 0.09561
χ² / ndf 77.44 / 42
p0 420 ± 20.0
p1 0.01059 ± 0.00052
p2 0.1456 ± 0.0053
p3 1.172 ± 0.037
p4 611.1 ± 20.5
mean 0.1341 ± 0.0008
sigma 0.02285 ± 0.00115
invariant mass sorted by South 265 tower (row: 13 , col: 2)
by_Stower_265
Entries 42367
Mean 0.1983
RMS 0.09346
χ² / ndf 71.06 / 42
p0 378.8 ± 30.7
p1 0.007831 ± 0.001014
p2 0.1274 ± 0.0049
p3 1.263 ± 0.054
p4 785.5 ± 23.3
mean 0.1351 ± 0.0005
sigma 0.01812 ± 0.00065
invariant mass sorted by South 266 tower (row: 13 , col: 3)
by_Stower_266
Entries 38550
Mean 0.1904
RMS 0.0901
χ² / ndf 83.19 / 42
p0 428.3 ± 39.9
p1 0.008448 ± 0.001033
p2 0.107 ± 0.004
p3 1.404 ± 0.054
p4 977.5 ± 23.5
mean 0.1358 ± 0.0004
sigma 0.01875 ± 0.00055
invariant mass sorted by South 267 tower (row: 13 , col: 4)
by_Stower_267
Entries 33482
Mean 0.1882
RMS 0.08717
χ² / ndf 107.4 / 42
p0 544.9 ± 65.9
p1 0.008581 ± 0.001171
p2 0.09421 ± 0.00319
p3 1.627 ± 0.066
p4 1091 ± 24.7
mean 0.1356 ± 0.0004
sigma 0.01821 ± 0.00047
invariant mass sorted by South 268 tower (row: 13 , col: 5)
by_Stower_268
Entries 29141
Mean 0.1887
RMS 0.08643
χ² / ndf 96.67 / 42
p0 573.5 ± 84.1
p1 0.007824 ± 0.001495
p2 0.09115 ± 0.00343
p3 1.737 ± 0.079
p4 999.1 ± 23.0
mean 0.1359 ± 0.0004
sigma 0.0188 ± 0.0005
invariant mass sorted by South 269 tower (row: 13 , col: 6)
by_Stower_269
Entries 27966
Mean 0.1926
RMS 0.08781
χ² / ndf 57.23 / 42
p0 573 ± 90.9
p1 0.005577 ± 0.001802
p2 0.09664 ± 0.00404
p3 1.774 ± 0.090
p4 982.3 ± 22.4
mean 0.1353 ± 0.0004
sigma 0.0181 ± 0.0005
invariant mass sorted by South 270 tower (row: 13 , col: 7)
by_Stower_270
Entries 24767
Mean 0.1937
RMS 0.08752
χ² / ndf 62.02 / 42
p0 595.3 ± 99.6
p1 0.00653 ± 0.00187
p2 0.09234 ± 0.00377
p3 1.862 ± 0.093
p4 873.7 ± 21.7
mean 0.135 ± 0.000
sigma 0.01733 ± 0.00048
invariant mass sorted by South 271 tower (row: 13 , col: 8)
by_Stower_271
Entries 21810
Mean 0.1977
RMS 0.08955
χ² / ndf 51.32 / 42
p0 396.6 ± 69.6
p1 0.004984 ± 0.002312
p2 0.1096 ± 0.0059
p3 1.735 ± 0.108
p4 844.6 ± 20.5
mean 0.1345 ± 0.0004
sigma 0.01656 ± 0.00041
invariant mass sorted by South 272 tower (row: 13 , col: 9)
by_Stower_272
Entries 16296
Mean 0.1992
RMS 0.09017
χ² / ndf 47.83 / 42
p0 288.4 ± 53.8
p1 0.007439 ± 0.002538
p2 0.1082 ± 0.0062
p3 1.792 ± 0.114
p4 574 ± 17.9
mean 0.1337 ± 0.0005
sigma 0.01601 ± 0.00054
invariant mass sorted by South 273 tower (row: 13 , col: 10)
by_Stower_273
Entries 13907
Mean 0.1989
RMS 0.09089
χ² / ndf 46.35 / 42
p0 173.4 ± 28.8
p1 0.008047 ± 0.002536
p2 0.1275 ± 0.0089
p3 1.511 ± 0.113
p4 525.8 ± 16.1
mean 0.1339 ± 0.0005
sigma 0.01656 ± 0.00051
invariant mass sorted by South 274 tower (row: 13 , col: 11)
by_Stower_274
Entries 10420
Mean 0.2016
RMS 0.09147
χ² / ndf 56.04 / 42
p0 122.9 ± 18.4
p1 0.01025 ± 0.00203
p2 0.1314 ± 0.0099
p3 1.461 ± 0.105
p4 351 ± 13.1
mean 0.1358 ± 0.0006
sigma 0.01727 ± 0.00066
invariant mass sorted by South 275 tower (row: 13 , col: 12)
by_Stower_275
Entries 7769
Mean 0.2015
RMS 0.09215
χ² / ndf 61.4 / 42
p0 81.8 ± 15.2
p1 0.008417 ± 0.002236
p2 0.1387 ± 0.0141
p3 1.395 ± 0.136
p4 268 ± 12.2
mean 0.1354 ± 0.0007
sigma 0.01542 ± 0.00074
invariant mass sorted by South 276 tower (row: 13 , col: 13)
by_Stower_276
Entries 6893
Mean 0.2048
RMS 0.09307
χ² / ndf 40.98 / 42
p0 88.95 ± 25.38
p1 0.001258 ± 0.005932
p2 0.1467 ± 0.0196
p3 1.534 ± 0.221
p4 251.2 ± 11.2
mean 0.1348 ± 0.0007
sigma 0.01561 ± 0.00068
invariant mass sorted by South 277 tower (row: 13 , col: 14)
by_Stower_277
Entries 6954
Mean 0.2057
RMS 0.09304
χ² / ndf 53.54 / 42
p0 53.54 ± 4.41
p1 0.01828 ± 0.00179
p2 0.2077 ± 0.0296
p3 1.105 ± 0.118
p4 247.9 ± 10.5
mean 0.1351 ± 0.0007
sigma 0.01685 ± 0.00070
invariant mass sorted by South 278 tower (row: 13 , col: 15)
by_Stower_278
Entries 4676
Mean 0.2042
RMS 0.09412
χ² / ndf 44.74 / 42
p0 34.77 ± 3.65
p1 0.01046 ± 0.00239
p2 0.1987 ± 0.0314
p3 1.112 ± 0.135
p4 156.3 ± 9.1
mean 0.1362 ± 0.0008
sigma 0.01598 ± 0.00102
invariant mass sorted by South 279 tower (row: 13 , col: 16)
by_Stower_279
Entries 3950
Mean 0.1982
RMS 0.09115
χ² / ndf 46.01 / 42
p0 47.38 ± 23.65
p1 −0.001923 ± 0.009799
p2 0.1336 ± 0.0252
p3 1.698 ± 0.336
p4 159.5 ± 8.7
mean 0.1358 ± 0.0008
sigma 0.01496 ± 0.00075
invariant mass sorted by South 280 tower (row: 13 , col: 17)
by_Stower_280
Entries 3669
Mean 0.2011
RMS 0.09407
χ² / ndf 64.04 / 41
p0 26.4 ± 4.3
p1 0.004812 ± 0.010047
p2 0.25 ± 0.20
p3 1.048 ± 0.121
p4 151.9 ± 8.7
mean 0.1355 ± 0.0007
sigma 0.01506 ± 0.00085
invariant mass sorted by South 281 tower (row: 13 , col: 18)
by_Stower_281
Entries 3231
Mean 0.2003
RMS 0.0925
χ² / ndf 51.17 / 42
p0 30.61 ± 16.83
p1 −0.006462 ± 0.015436
p2 0.1595 ± 0.0415
p3 1.485 ± 0.457
p4 110 ± 7.2
mean 0.1373 ± 0.0010
sigma 0.01635 ± 0.00105
invariant mass sorted by South 282 tower (row: 13 , col: 19)
by_Stower_282
Entries 2035
Mean 0.2086
RMS 0.09646
χ² / ndf 46.31 / 42
p0 17.29 ± 3.88
p1 −0.00229 ± 0.01224
p2 0.25 ± 0.19
p3 1.186 ± 0.179
p4 53.97 ± 4.50
mean 0.1367 ± 0.0015
sigma 0.01847 ± 0.00152
invariant mass sorted by South 283 tower (row: 13 , col: 20)
by_Stower_283
Entries 1807
Mean 0.2165
RMS 0.09795
χ² / ndf 34.79 / 41
p0 334.6 ± 550.6
p1 −0.2198 ± 0.1272
p2 0.1346 ± 0.0428
p3 4.747 ± 2.198
p4 46.46 ± 3.61
mean 0.1359 ± 0.0018
sigma 0.02178 ± 0.00145
invariant mass sorted by South 284 tower (row: 13 , col: 21)
by_Stower_284
Entries 1293
Mean 0.2068
RMS 0.09748
χ² / ndf 64.69 / 41
p0 2322 ± 2354.3
p1 −0.1831 ± 0.0817
p2 0.08395 ± 0.00732
p3 6.182 ± 1.388
p4 36.54 ± 3.12
mean 0.1259 ± 0.0018
sigma 0.01961 ± 0.00134
invariant mass sorted by South 285 tower (row: 13 , col: 22)
mass_by_Stower_285
Entries 43
Mean 0.2144
RMS 0.1188
invariant mass [GeV]

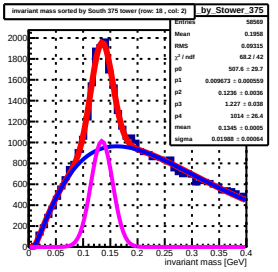

invariant mass sorted by South 286 tower (row: 14 , col: 1)
by_Stower_286
Entries 65760
Mean 0.2041
RMS 0.09486
χ² / ndf 65.33 / 42
p0 56418 ± 25.3
p1 0.010197 ± 0.00047
p2 0.1338 ± 0.0038
p3 1.224 ± 0.031
p4 766.4 ± 24.1
mean 0.1355 ± 0.0006
sigma 0.02088 ± 0.00087
invariant mass sorted by South 287 tower (row: 14 , col: 2)
by_Stower_287
Entries 48574
Mean 0.1965
RMS 0.09342
χ² / ndf 84.96 / 42
p0 440.9 ± 34.2
p1 0.007995 ± 0.000915
p2 0.1228 ± 0.0043
p3 1.272 ± 0.059
p4 816.5 ± 23.3
mean 0.1338 ± 0.0005
sigma 0.01972 ± 0.00071
invariant mass sorted by South 288 tower (row: 14 , col: 3)
by_Stower_288
Entries 43107
Mean 0.1893
RMS 0.08998
χ² / ndf 86.03 / 42
p0 443.8 ± 35.3
p1 0.009563 ± 0.000777
p2 0.1078 ± 0.0033
p3 1.349 ± 0.046
p4 1062 ± 25.2
mean 0.1352 ± 0.0004
sigma 0.0192 ± 0.0006
invariant mass sorted by South 289 tower (row: 14 , col: 4)
by_Stower_289
Entries 36579
Mean 0.1873
RMS 0.08674
χ² / ndf 103.1 / 42
p0 622.8 ± 79.8
p1 0.008863 ± 0.000972
p2 0.0912 ± 0.0029
p3 1.633 ± 0.060
p4 1089 ± 25.0
mean 0.1361 ± 0.0004
sigma 0.01915 ± 0.00054
invariant mass sorted by South 290 tower (row: 14 , col: 5)
by_Stower_290
Entries 32256
Mean 0.1894
RMS 0.08622
χ² / ndf 102.2 / 42
p0 955.8 ± 164.1
p1 0.004126 ± 0.001858
p2 0.08419 ± 0.00303
p3 1.942 ± 0.092
p4 1084 ± 24.6
mean 0.1361 ± 0.0004
sigma 0.01845 ± 0.00051
invariant mass sorted by South 291 tower (row: 14 , col: 6)
by_Stower_291
Entries 31229
Mean 0.1931
RMS 0.08716
χ² / ndf 113.2 / 42
p0 870.9 ± 135.7
p1 0.006242 ± 0.001695
p2 0.08868 ± 0.00321
p3 1.939 ± 0.085
p4 1140 ± 25.0
mean 0.1353 ± 0.0004
sigma 0.01725 ± 0.00043
invariant mass sorted by South 292 tower (row: 14 , col: 7)
by_Stower_292
Entries 23591
Mean 0.1953
RMS 0.0883
χ² / ndf 63.32 / 42
p0 511 ± 83.6
p1 0.006521 ± 0.001829
p2 0.09798 ± 0.00432
p3 1.795 ± 0.094
p4 823.5 ± 20.3
mean 0.135 ± 0.000
sigma 0.0178 ± 0.0005
invariant mass sorted by South 293 tower (row: 14 , col: 8)
by_Stower_293
Entries 22294
Mean 0.1981
RMS 0.08958
χ² / ndf 79.35 / 42
p0 464.7 ± 78.9
p1 0.00509 ± 0.00202
p2 0.1037 ± 0.0051
p3 1.784 ± 0.101
p4 811.1 ± 20.8
mean 0.1345 ± 0.0004
sigma 0.01655 ± 0.00045
invariant mass sorted by South 294 tower (row: 14 , col: 9)
by_Stower_294
Entries 17674
Mean 0.2003
RMS 0.09018
χ² / ndf 32.71 / 42
p0 299.5 ± 46.3
p1 0.008372 ± 0.001865
p2 0.1119 ± 0.0059
p3 1.654 ± 0.096
p4 602.7 ± 17.5
mean 0.1342 ± 0.0005
sigma 0.01703 ± 0.00050
invariant mass sorted by South 295 tower (row: 14 , col: 10)
by_Stower_295
Entries 14599
Mean 0.1991
RMS 0.09044
χ² / ndf 58.04 / 42
p0 234.7 ± 45.3
p1 0.006171 ± 0.002683
p2 0.1134 ± 0.0073
p3 1.654 ± 0.121
p4 537.4 ± 16.5
mean 0.1353 ± 0.0005
sigma 0.0158 ± 0.0005
invariant mass sorted by South 296 tower (row: 14 , col: 11)
by_Stower_296
Entries 10897
Mean 0.2003
RMS 0.09083
χ² / ndf 53.95 / 42
p0 179.8 ± 37.7
p1 0.006643 ± 0.00285
p2 0.1175 ± 0.0093
p3 1.645 ± 0.142
p4 394.7 ± 14.3
mean 0.1339 ± 0.0006
sigma 0.01631 ± 0.00061
invariant mass sorted by South 297 tower (row: 14 , col: 12)
by_Stower_297
Entries 8671
Mean 0.2041
RMS 0.09214
χ² / ndf 51.06 / 42
p0 131.5 ± 40.9
p1 0.002919 ± 0.005317
p2 0.1301 ± 0.0144
p3 1.632 ± 0.215
p4 312.3 ± 12.9
mean 0.1346 ± 0.0006
sigma 0.01561 ± 0.00065
invariant mass sorted by South 298 tower (row: 14 , col: 13)
by_Stower_298
Entries 7734
Mean 0.2036
RMS 0.09186
χ² / ndf 43.71 / 42
p0 91.94 ± 18.53
p1 0.007951 ± 0.003090
p2 0.1427 ± 0.0141
p3 1.495 ± 0.151
p4 291.8 ± 12.0
mean 0.135 ± 0.001
sigma 0.01615 ± 0.00065
invariant mass sorted by South 299 tower (row: 14 , col: 14)
by_Stower_299
Entries 6928
Mean 0.2063
RMS 0.09388
χ² / ndf 40.08 / 42
p0 72.49 ± 14.79
p1 0.005581 ± 0.005174
p2 0.1693 ± 0.0235
p3 1.378 ± 0.185
p4 245.7 ± 11.1
mean 0.1356 ± 0.0007
sigma 0.01586 ± 0.00071
invariant mass sorted by South 300 tower (row: 14 , col: 15)
by_Stower_300
Entries 5306
Mean 0.205
RMS 0.09169
χ² / ndf 43.37 / 42
p0 93.9 ± 41.4
p1 -0.0005501 ± 0.0081099
p2 0.1257 ± 0.0189
p3 1.814 ± 0.308
p4 184.6 ± 9.2
mean 0.1361 ± 0.0008
sigma 0.01645 ± 0.00081
invariant mass sorted by South 301 tower (row: 14 , col: 16)
by_Stower_301
Entries 4053
Mean 0.2025
RMS 0.09246
χ² / ndf 39.92 / 42
p0 38.09 ± 10.03
p1 0.006714 ± 0.005322
p2 0.1654 ± 0.0309
p3 1.373 ± 0.237
p4 156.1 ± 8.2
mean 0.1356 ± 0.0008
sigma 0.0164 ± 0.0008
invariant mass sorted by South 302 tower (row: 14 , col: 17)
by_Stower_302
Entries 3469
Mean 0.2027
RMS 0.09441
χ² / ndf 44.76 / 42
p0 29.97 ± 9.14
p1 0.001849 ± 0.009904
p2 0.1824 ± 0.0420
p3 1.309 ± 0.397
p4 139.4 ± 8.7
mean 0.1341 ± 0.0007
sigma 0.01374 ± 0.00081
invariant mass sorted by South 303 tower (row: 14 , col: 18)
by_Stower_303
Entries 3649
Mean 0.2015
RMS 0.09573
χ² / ndf 63.48 / 42
p0 27.15 ± 4.24
p1 0.002588 ± 0.006446
p2 0.25 ± 0.02
p3 1.144 ± 0.115
p4 135.6 ± 7.0
mean 0.1354 ± 0.0009
sigma 0.01745 ± 0.00079
invariant mass sorted by South 304 tower (row: 14 , col: 19)
by_Stower_304
Entries 2364
Mean 0.2037
RMS 0.0958
χ² / ndf 43.67 / 42
p0 16.9 ± 4.2
p1 -0.0009878 ± 0.01446712
p2 0.237 ± 0.205
p3 1.117 ± 0.381
p4 66.54 ± 5.12
mean 0.137 ± 0.001
sigma 0.01908 ± 0.00145
invariant mass sorted by South 305 tower (row: 14 , col: 20)
by_Stower_305
Entries 2234
Mean 0.2074
RMS 0.09741
χ² / ndf 50.62 / 42
p0 33.73 ± 13.97
p1 -0.04493 ± 0.03735
p2 0.25 ± 0.17
p3 1.808 ± 0.425
p4 67.78 ± 4.93
mean 0.136 ± 0.001
sigma 0.01845 ± 0.00125
invariant mass sorted by South 306 tower (row: 14 , col: 21)
by_Stower_306
Entries 1216
Mean 0.2033
RMS 0.1021
χ² / ndf 23.2 / 41
p0 38.55 ± 38.94
p1 -0.223 ± 0.240
p2 0.25 ± 0.22
p3 2.934 ± 1.837
p4 30.86 ± 3.23
mean 0.125 ± 0.002
sigma 0.02294 ± 0.00254
invariant mass sorted by South 307 tower (row: 14 , col: 22)
mass_by_Stower_307
Entries 0
Mean 0
RMS 0
invariant mass [GeV]

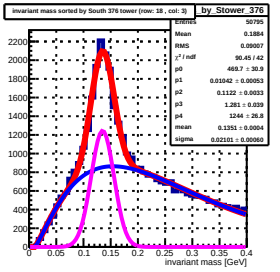

invariant mass sorted by South 308 tower (row: 15 , col: 1)
by_Stower_308
Entries 81656
Mean 0.2026
RMS 0.09467
χ² / ndf 111 / 42
p0 731 ± 31.9
p1 0.01089 ± 0.00047
p2 0.1265 ± 0.0031
p3 1.26 ± 0.03
p4 842.2 ± 26.8
mean 0.1346 ± 0.0007
sigma 0.02247 ± 0.00106
invariant mass sorted by South 309 tower (row: 15 , col: 2)
by_Stower_309
Entries 58180
Mean 0.1956
RMS 0.09326
χ² / ndf 51.43 / 42
p0 467 ± 26.3
p1 0.009749 ± 0.000538
p2 0.1274 ± 0.0038
p3 1.177 ± 0.037
p4 1041 ± 26.9
mean 0.1353 ± 0.0005
sigma 0.01885 ± 0.00058
invariant mass sorted by South 310 tower (row: 15 , col: 3)
by_Stower_310
Entries 47542
Mean 0.1881
RMS 0.08994
χ² / ndf 89.04 / 42
p0 471.4 ± 30.9
p1 0.01085 ± 0.00051
p2 0.1064 ± 0.0028
p3 1.318 ± 0.037
p4 1119 ± 26.1
mean 0.1345 ± 0.0004
sigma 0.01954 ± 0.00053
invariant mass sorted by South 311 tower (row: 15 , col: 4)
by_Stower_311
Entries 39123
Mean 0.1875
RMS 0.08723
χ² / ndf 74.4 / 42
p0 673.8 ± 79.4
p1 0.007388 ± 0.001166
p2 0.09247 ± 0.00287
p3 1.632 ± 0.063
p4 1130 ± 24.6
mean 0.136 ± 0.000
sigma 0.01986 ± 0.00053
invariant mass sorted by South 312 tower (row: 15 , col: 5)
by_Stower_312
Entries 34232
Mean 0.1883
RMS 0.08473
χ² / ndf 94.25 / 42
p0 1802 ± 362.5
p1 0.001558 ± 0.002102
p2 0.07396 ± 0.00245
p3 2.217 ± 0.104
p4 1158 ± 25.9
mean 0.1364 ± 0.0004
sigma 0.0179 ± 0.0005
invariant mass sorted by South 313 tower (row: 15 , col: 6)
by_Stower_313
Entries 32579
Mean 0.193
RMS 0.08705
χ² / ndf 54.98 / 42
p0 835.1 ± 122.3
p1 0.006921 ± 0.001478
p2 0.08968 ± 0.00313
p3 1.864 ± 0.080
p4 1135 ± 24.6
mean 0.1357 ± 0.0004
sigma 0.01752 ± 0.00041
invariant mass sorted by South 314 tower (row: 15 , col: 7)
by_Stower_314
Entries 24260
Mean 0.195
RMS 0.08903
χ² / ndf 56.12 / 42
p0 476.7 ± 76.0
p1 0.005991 ± 0.001895
p2 0.1009 ± 0.0045
p3 1.721 ± 0.093
p4 819 ± 20.7
mean 0.1347 ± 0.0004
sigma 0.01804 ± 0.00050
invariant mass sorted by South 315 tower (row: 15 , col: 8)
by_Stower_315
Entries 20298
Mean 0.1982
RMS 0.08947
χ² / ndf 50.85 / 42
p0 392.3 ± 59.0
p1 0.007936 ± 0.001544
p2 0.1038 ± 0.0049
p3 1.713 ± 0.088
p4 683.5 ± 19.3
mean 0.1345 ± 0.0005
sigma 0.01707 ± 0.00052
invariant mass sorted by South 316 tower (row: 15 , col: 9)
by_Stower_316
Entries 18793
Mean 0.1996
RMS 0.09062
χ² / ndf 39.94 / 42
p0 291.6 ± 44.4
p1 0.007307 ± 0.002020
p2 0.1171 ± 0.0065
p3 1.604 ± 0.097
p4 670.7 ± 18.6
mean 0.1342 ± 0.0004
sigma 0.01678 ± 0.00048
invariant mass sorted by South 317 tower (row: 15 , col: 10)
by_Stower_317
Entries 15678
Mean 0.2015
RMS 0.09057
χ² / ndf 51.11 / 42
p0 285.8 ± 54.9
p1 0.006456 ± 0.002804
p2 0.1153 ± 0.0073
p3 1.733 ± 0.123
p4 582.3 ± 16.8
mean 0.1348 ± 0.0005
sigma 0.01696 ± 0.00049
invariant mass sorted by South 318 tower (row: 15 , col: 11)
by_Stower_318
Entries 12076
Mean 0.1996
RMS 0.09063
χ² / ndf 47.29 / 42
p0 179.5 ± 36.2
p1 0.006622 ± 0.00264
p2 0.1203 ± 0.0092
p3 1.626 ± 0.132
p4 459.9 ± 15.4
mean 0.134 ± 0.001
sigma 0.01609 ± 0.00055
invariant mass sorted by South 319 tower (row: 15 , col: 12)
by_Stower_319
Entries 10865
Mean 0.2023
RMS 0.09113
χ² / ndf 27.02 / 42
p0 172.4 ± 43.0
p1 0.004054 ± 0.003802
p2 0.122 ± 0.011
p3 1.683 ± 0.165
p4 395.8 ± 13.0
mean 0.1357 ± 0.0005
sigma 0.01607 ± 0.00059
invariant mass sorted by South 320 tower (row: 15 , col: 13)
by_Stower_320
Entries 9093
Mean 0.2016
RMS 0.09191
χ² / ndf 51.1 / 42
p0 150.2 ± 49.3
p1 −0.002223 ± 0.005425
p2 0.1278 ± 0.0146
p3 1.719 ± 0.228
p4 346.8 ± 13.0
mean 0.1344 ± 0.0006
sigma 0.01639 ± 0.00062
invariant mass sorted by South 321 tower (row: 15 , col: 14)
by_Stower_321
Entries 7656
Mean 0.2057
RMS 0.09227
χ² / ndf 45.93 / 42
p0 93.17 ± 20.8
p1 0.006856 ± 0.003616
p2 0.15 ± 0.02
p3 1.525 ± 0.173
p4 299.2 ± 12.3
mean 0.1352 ± 0.0006
sigma 0.01487 ± 0.00059
invariant mass sorted by South 322 tower (row: 15 , col: 15)
by_Stower_322
Entries 5786
Mean 0.207
RMS 0.09353
χ² / ndf 38.81 / 42
p0 58.48 ± 12.28
p1 0.00538 ± 0.00513
p2 0.179 ± 0.030
p3 1.339 ± 0.208
p4 206.7 ± 9.8
mean 0.1356 ± 0.0007
sigma 0.01578 ± 0.00076
invariant mass sorted by South 323 tower (row: 15 , col: 16)
by_Stower_323
Entries 4589
Mean 0.2055
RMS 0.09419
χ² / ndf 46.19 / 42
p0 37.99 ± 4.14
p1 0.008149 ± 0.003975
p2 0.2333 ± 0.0491
p3 1.124 ± 0.203
p4 176.5 ± 8.8
mean 0.1348 ± 0.0008
sigma 0.01602 ± 0.00080
invariant mass sorted by South 324 tower (row: 15 , col: 17)
by_Stower_324
Entries 3581
Mean 0.2028
RMS 0.09261
χ² / ndf 34.44 / 42
p0 36.41 ± 15.55
p1 0.002453 ± 0.008625
p2 0.1561 ± 0.0358
p3 1.464 ± 0.352
p4 128.6 ± 7.4
mean 0.136 ± 0.001
sigma 0.01604 ± 0.00082
invariant mass sorted by South 325 tower (row: 15 , col: 18)
by_Stower_325
Entries 3009
Mean 0.2048
RMS 0.09442
χ² / ndf 40.32 / 42
p0 23.13 ± 2.77
p1 0.008596 ± 0.004051
p2 0.25 ± 0.20
p3 1.082 ± 0.883
p4 102.4 ± 6.3
mean 0.1353 ± 0.0010
sigma 0.01753 ± 0.00096
invariant mass sorted by South 326 tower (row: 15 , col: 19)
by_Stower_326
Entries 3199
Mean 0.2027
RMS 0.09427
χ² / ndf 37.07 / 42
p0 21.93 ± 2.93
p1 0.006095 ± 0.005225
p2 0.25 ± 0.24
p3 1.694 ± 0.095
p4 102.7 ± 6.5
mean 0.1356 ± 0.0010
sigma 0.01746 ± 0.00104
invariant mass sorted by South 327 tower (row: 15 , col: 20)
by_Stower_327
Entries 2768
Mean 0.2009
RMS 0.09653
χ² / ndf 31.19 / 42
p0 14.34 ± 2.01
p1 0.005075 ± 0.005985
p2 0.25 ± 0.15
p3 0.8954 ± 0.0936
p4 87.46 ± 6.67
mean 0.1347 ± 0.0010
sigma 0.01427 ± 0.00100
invariant mass sorted by South 328 tower (row: 15 , col: 21)
by_Stower_328
Entries 1142
Mean 0.1994
RMS 0.1012
χ² / ndf 49.13 / 41
p0 4.65 ± 0.94
p1 0.01616 ± 0.00631
p2 0.25 ± 0.16
p3 0.7543 ± 0.1263
p4 38.4 ± 4.3
mean 0.1185 ± 0.0015
sigma 0.01369 ± 0.00134
invariant mass sorted by South 329 tower (row: 15 , col: 22)
mass_by_Stower_329
Entries 40
Mean 0.2169
RMS 0.11
invariant mass [GeV]

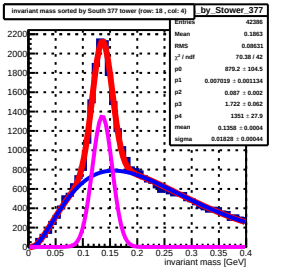

invariant mass sorted by South 330 tower (row: 16 , col: 1)
by_Stower_330
Entries 87392
Mean 0.2026
RMS 0.0957
χ² / ndf 117.7 / 42
p0 655.6 ± 22.9
p1 0.01095 ± 0.00033
p2 0.143 ± 0.004
p3 1.13 ± 0.03
p4 961.9 ± 27.6
mean 0.1137 ± 0.0006
sigma 0.02325 ± 0.00107
invariant mass sorted by South 331 tower (row: 16 , col: 2)
by_Stower_331
Entries 63725
Mean 0.1959
RMS 0.09353
χ² / ndf 90.14 / 42
p0 516.5 ± 27.7
p1 0.00967 ± 0.00054
p2 0.1282 ± 0.0037
p3 1.186 ± 0.036
p4 1150 ± 27.0
mean 0.1345 ± 0.0005
sigma 0.01918 ± 0.00058
invariant mass sorted by South 332 tower (row: 16 , col: 3)
by_Stower_332
Entries 50639
Mean 0.1864
RMS 0.0896
χ² / ndf 120 / 42
p0 518.4 ± 35.0
p1 0.0106 ± 0.0006
p2 0.1026 ± 0.0026
p3 1.333 ± 0.037
p4 1171 ± 27.0
mean 0.1352 ± 0.0004
sigma 0.01972 ± 0.00059
invariant mass sorted by South 333 tower (row: 16 , col: 4)
by_Stower_333
Entries 42421
Mean 0.1851
RMS 0.08667
χ² / ndf 81.06 / 42
p0 590 ± 59.6
p1 0.008581 ± 0.000919
p2 0.0957 ± 0.0029
p3 1.517 ± 0.055
p4 1331 ± 26.4
mean 0.1366 ± 0.0004
sigma 0.01891 ± 0.00045
invariant mass sorted by South 334 tower (row: 16 , col: 5)
by_Stower_334
Entries 32929
Mean 0.1887
RMS 0.08607
χ² / ndf 87.76 / 42
p0 941.6 ± 139.4
p1 0.006698 ± 0.001379
p2 0.08267 ± 0.00266
p3 1.891 ± 0.077
p4 1072 ± 24.8
mean 0.1351 ± 0.0004
sigma 0.01803 ± 0.00046
invariant mass sorted by South 335 tower (row: 16 , col: 6)
by_Stower_335
Entries 33563
Mean 0.1921
RMS 0.08665
χ² / ndf 77.17 / 42
p0 1118 ± 197.9
p1 0.003869 ± 0.002132
p2 0.08537 ± 0.00296
p3 2.01 ± 0.10
p4 1198 ± 25.1
mean 0.1356 ± 0.0004
sigma 0.01806 ± 0.00045
invariant mass sorted by South 336 tower (row: 16 , col: 7)
by_Stower_336
Entries 23599
Mean 0.1959
RMS 0.08847
χ² / ndf 73.84 / 42
p0 559.8 ± 85.9
p1 0.007386 ± 0.001389
p2 0.09484 ± 0.00395
p3 1.81 ± 0.09
p4 800.1 ± 21.0
mean 0.1347 ± 0.0004
sigma 0.01709 ± 0.00049
invariant mass sorted by South 337 tower (row: 16 , col: 8)
by_Stower_337
Entries 22111
Mean 0.1965
RMS 0.08963
χ² / ndf 83.22 / 42
p0 473.5 ± 83.7
p1 0.004603 ± 0.002186
p2 0.1004 ± 0.0048
p3 1.774 ± 0.103
p4 738 ± 20.2
mean 0.1342 ± 0.0005
sigma 0.01738 ± 0.00054
invariant mass sorted by South 338 tower (row: 16 , col: 9)
by_Stower_338
Entries 19144
Mean 0.1989
RMS 0.08978
χ² / ndf 61.17 / 42
p0 423.8 ± 83.7
p1 0.004061 ± 0.002729
p2 0.1055 ± 0.0058
p3 1.83 ± 0.12
p4 703.4 ± 18.7
mean 0.1341 ± 0.0004
sigma 0.01746 ± 0.00050
invariant mass sorted by South 339 tower (row: 16 , col: 10)
by_Stower_339
Entries 14703
Mean 0.2001
RMS 0.09041
χ² / ndf 59.98 / 42
p0 286.8 ± 57.5
p1 0.005814 ± 0.002656
p2 0.1076 ± 0.0065
p3 1.753 ± 0.122
p4 526.3 ± 16.1
mean 0.1342 ± 0.0005
sigma 0.01589 ± 0.00054
invariant mass sorted by South 340 tower (row: 16 , col: 11)
by_Stower_340
Entries 12914
Mean 0.2014
RMS 0.09018
χ² / ndf 54.18 / 42
p0 222 ± 41.3
p1 0.007307 ± 0.002291
p2 0.1166 ± 0.0083
p3 1.715 ± 0.124
p4 468.4 ± 14.9
mean 0.1357 ± 0.0005
sigma 0.01741 ± 0.00057
invariant mass sorted by South 341 tower (row: 16 , col: 12)
by_Stower_341
Entries 10316
Mean 0.2008
RMS 0.09179
χ² / ndf 59.9 / 42
p0 157.6 ± 40.6
p1 0.001424 ± 0.004802
p2 0.129 ± 0.012
p3 1.644 ± 0.179
p4 406.2 ± 14.5
mean 0.1342 ± 0.0005
sigma 0.01605 ± 0.00060
invariant mass sorted by South 342 tower (row: 16 , col: 13)
by_Stower_342
Entries 9348
Mean 0.2032
RMS 0.09358
χ² / ndf 59.43 / 42
p0 86.36 ± 9.79
p1 0.01055 ± 0.00268
p2 0.1713 ± 0.0167
p3 1.284 ± 0.107
p4 343 ± 12.8
mean 0.1342 ± 0.0006
sigma 0.0165 ± 0.0006
invariant mass sorted by South 343 tower (row: 16 , col: 14)
by_Stower_343
Entries 9435
Mean 0.2001
RMS 0.09154
χ² / ndf 36.83 / 41
p0 115.2 ± 44.9
p1 −0.001216 ± 0.010798
p2 0.1482 ± 0.0214
p3 1.588 ± 0.302
p4 386.7 ± 13.0
mean 0.1351 ± 0.0005
sigma 0.0165 ± 0.0005
invariant mass sorted by South 344 tower (row: 16 , col: 15)
by_Stower_344
Entries 5478
Mean 0.2056
RMS 0.09181
χ² / ndf 42.47 / 42
p0 132.7 ± 79.1
p1 −0.008061 ± 0.010761
p2 0.1178 ± 0.0193
p3 2.018 ± 0.402
p4 194 ± 9.5
mean 0.1355 ± 0.0008
sigma 0.0181 ± 0.0008
invariant mass sorted by South 345 tower (row: 16 , col: 16)
by_Stower_345
Entries 4221
Mean 0.2063
RMS 0.09392
χ² / ndf 35.84 / 42
p0 41.66 ± 9.09
p1 0.007419 ± 0.005005
p2 0.1771 ± 0.0322
p3 1.35 ± 0.21
p4 139.3 ± 8.0
mean 0.1368 ± 0.0009
sigma 0.01717 ± 0.00101
invariant mass sorted by South 346 tower (row: 16 , col: 17)
by_Stower_346
Entries 3562
Mean 0.2073
RMS 0.09285
χ² / ndf 40.36 / 41
p0 80.92 ± 75.85
p1 −0.01391 ± 0.02316
p2 0.1242 ± 0.0360
p3 1.999 ± 0.664
p4 111.4 ± 7.5
mean 0.136 ± 0.001
sigma 0.01668 ± 0.00118
invariant mass sorted by South 347 tower (row: 16 , col: 18)
by_Stower_347
Entries 3033
Mean 0.2025
RMS 0.09194
χ² / ndf 49.45 / 42
p0 35.92 ± 19.00
p1 0.007052 ± 0.010996
p2 0.14 ± 0.03
p3 1.628 ± 0.395
p4 104.3 ± 6.5
mean 0.1355 ± 0.0010
sigma 0.01751 ± 0.00106
invariant mass sorted by South 348 tower (row: 16 , col: 19)
by_Stower_348
Entries 2783
Mean 0.2005
RMS 0.09781
χ² / ndf 55.1 / 42
p0 15.04 ± 2.33
p1 0.008303 ± 0.004571
p2 0.25 ± 0.01
p3 0.9347 ± 0.1971
p4 79.03 ± 5.80
mean 0.1346 ± 0.0013
sigma 0.01936 ± 0.00160
invariant mass sorted by South 349 tower (row: 16 , col: 20)
by_Stower_349
Entries 2590
Mean 0.2012
RMS 0.09533
χ² / ndf 49.63 / 41
p0 14.7 ± 3.5
p1 0.001725 ± 0.015148
p2 0.25 ± 0.15
p3 0.9792 ± 0.1758
p4 75.89 ± 5.52
mean 0.1357 ± 0.0012
sigma 0.01643 ± 0.00107
invariant mass sorted by South 350 tower (row: 16 , col: 21)
by_Stower_350
Entries 1327
Mean 0.1968
RMS 0.1034
χ² / ndf 39.57 / 41
p0 216.7 ± 390.2
p1 −0.2432 ± 0.1414
p2 0.1298 ± 0.0340
p3 4.618 ± 1.827
p4 43.64 ± 3.70
mean 0.1116 ± 0.0015
sigma 0.01804 ± 0.00130
invariant mass sorted by South 351 tower (row: 16 , col: 22)
mass_by_Stower_351
Entries 5
Mean 0.2474
RMS 0.1045
invariant mass [GeV]

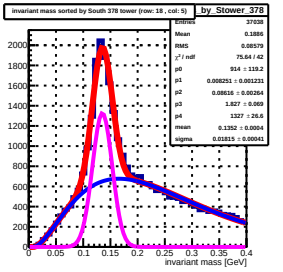

invariant mass sorted by South 352 tower (row: 17 , col: 1)
by_Stower_352
Entries 86133
Mean 0.2019
RMS 0.0952
χ² / ndf 136.3 / 42
p0 716.6 ± 28.2
p1 0.01092 ± 0.00043
p2 0.1347 ± 0.0036
p3 1.213 ± 0.027
p4 892.2 ± 26.5
mean 0.1313 ± 0.0008
sigma 0.02689 ± 0.00134
invariant mass sorted by South 353 tower (row: 17 , col: 2)
by_Stower_353
Entries 63332
Mean 0.1944
RMS 0.09344
χ² / ndf 83.02 / 42
p0 482.1 ± 25.3
p1 0.009791 ± 0.000505
p2 0.1288 ± 0.0037
p3 1.147 ± 0.035
p4 1151 ± 27.5
mean 0.1352 ± 0.0005
sigma 0.0191 ± 0.0009
invariant mass sorted by South 354 tower (row: 17 , col: 3)
by_Stower_354
Entries 55452
Mean 0.1878
RMS 0.08972
χ² / ndf 72.09 / 42
p0 498.6 ± 28.3
p1 0.01097 ± 0.00044
p2 0.1128 ± 0.0029
p3 1.27 ± 0.03
p4 1506 ± 28.6
mean 0.1348 ± 0.0004
sigma 0.01996 ± 0.00044
invariant mass sorted by South 355 tower (row: 17 , col: 4)
by_Stower_355
Entries 43913
Mean 0.1868
RMS 0.08621
χ² / ndf 98.01 / 42
p0 815.1 ± 32.0
p1 0.009604 ± 0.000853
p2 0.08886 ± 0.00241
p3 1.665 ± 0.053
p4 1381 ± 27.9
mean 0.1357 ± 0.0004
sigma 0.01902 ± 0.00046
invariant mass sorted by South 356 tower (row: 17 , col: 5)
by_Stower_356
Entries 37201
Mean 0.1891
RMS 0.08603
χ² / ndf 96.21 / 42
p0 1074 ± 161.3
p1 0.006287 ± 0.001595
p2 0.08399 ± 0.00267
p3 1.908 ± 0.080
p4 1255 ± 26.2
mean 0.1353 ± 0.0004
sigma 0.01871 ± 0.00046
invariant mass sorted by South 357 tower (row: 17 , col: 6)
by_Stower_357
Entries 34258
Mean 0.1929
RMS 0.08742
χ² / ndf 47.89 / 42
p0 867.9 ± 124.7
p1 0.006341 ± 0.001625
p2 0.09145 ± 0.00314
p3 1.864 ± 0.080
p4 1260 ± 25.7
mean 0.1348 ± 0.0003
sigma 0.01751 ± 0.00039
invariant mass sorted by South 358 tower (row: 17 , col: 7)
by_Stower_358
Entries 27819
Mean 0.1949
RMS 0.08816
χ² / ndf 55.54 / 42
p0 716.9 ± 120.4
p1 0.004352 ± 0.001979
p2 0.09449 ± 0.00386
p3 1.878 ± 0.089
p4 1008 ± 23.1
mean 0.1348 ± 0.0004
sigma 0.01747 ± 0.00044
invariant mass sorted by South 359 tower (row: 17 , col: 8)
by_Stower_359
Entries 24972
Mean 0.1992
RMS 0.08996
χ² / ndf 57.95 / 42
p0 384 ± 45.2
p1 0.008856 ± 0.001206
p2 0.1161 ± 0.0053
p3 1.59 ± 0.07
p4 881.6 ± 21.0
mean 0.1351 ± 0.0004
sigma 0.01765 ± 0.00045
invariant mass sorted by South 360 tower (row: 17 , col: 9)
by_Stower_360
Entries 19372
Mean 0.1987
RMS 0.09004
χ² / ndf 54.17 / 42
p0 546.9 ± 145.6
p1 -0.002925 ± 0.004126
p2 0.1008 ± 0.0062
p3 1.978 ± 0.161
p4 740 ± 19.7
mean 0.1341 ± 0.0004
sigma 0.01607 ± 0.00044
invariant mass sorted by South 361 tower (row: 17 , col: 10)
by_Stower_361
Entries 15726
Mean 0.1992
RMS 0.08928
χ² / ndf 62.63 / 42
p0 361.7 ± 87.2
p1 0.003503 ± 0.003437
p2 0.1051 ± 0.0068
p3 1.89 ± 0.15
p4 600.6 ± 16.9
mean 0.1353 ± 0.0005
sigma 0.0172 ± 0.0005
invariant mass sorted by South 362 tower (row: 17 , col: 11)
by_Stower_362
Entries 11763
Mean 0.2015
RMS 0.09178
χ² / ndf 65.19 / 42
p0 158.7 ± 29.7
p1 0.005945 ± 0.002964
p2 0.1268 ± 0.0096
p3 1.518 ± 0.127
p4 414 ± 15.5
mean 0.135 ± 0.001
sigma 0.01578 ± 0.00065
invariant mass sorted by South 363 tower (row: 17 , col: 12)
by_Stower_363
Entries 10293
Mean 0.2017
RMS 0.09118
χ² / ndf 54.96 / 42
p0 178 ± 47.8
p1 0.002631 ± 0.004303
p2 0.1221 ± 0.0115
p3 1.736 ± 0.180
p4 389.8 ± 14.0
mean 0.1347 ± 0.0006
sigma 0.01679 ± 0.00064
invariant mass sorted by South 364 tower (row: 17 , col: 13)
by_Stower_364
Entries 10049
Mean 0.201
RMS 0.09193
χ² / ndf 57 / 42
p0 98.55 ± 16.07
p1 0.007383 ± 0.003207
p2 0.1617 ± 0.0177
p3 1.359 ± 0.141
p4 400.8 ± 13.9
mean 0.1349 ± 0.0005
sigma 0.01663 ± 0.00058
invariant mass sorted by South 365 tower (row: 17 , col: 14)
by_Stower_365
Entries 8764
Mean 0.2021
RMS 0.09244
χ² / ndf 59.65 / 41
p0 71.62 ± 11.03
p1 0.01251 ± 0.00441
p2 0.1784 ± 0.0231
p3 1.229 ± 0.152
p4 352.6 ± 12.9
mean 0.1355 ± 0.0005
sigma 0.01593 ± 0.00058
invariant mass sorted by South 366 tower (row: 17 , col: 15)
by_Stower_366
Entries 6376
Mean 0.201
RMS 0.09222
χ² / ndf 59.8 / 42
p0 61.69 ± 12.85
p1 0.007046 ± 0.003743
p2 0.1568 ± 0.0214
p3 1.417 ± 0.175
p4 232 ± 10.4
mean 0.1344 ± 0.0007
sigma 0.01667 ± 0.00074
invariant mass sorted by South 367 tower (row: 17 , col: 16)
by_Stower_367
Entries 4763
Mean 0.2013
RMS 0.09214
χ² / ndf 45.38 / 42
p0 41.46 ± 9.54
p1 0.006454 ± 0.004746
p2 0.1751 ± 0.0332
p3 1.312 ± 0.225
p4 190.9 ± 9.5
mean 0.1354 ± 0.0007
sigma 0.01577 ± 0.00075
invariant mass sorted by South 368 tower (row: 17 , col: 17)
by_Stower_368
Entries 3916
Mean 0.2005
RMS 0.09386
χ² / ndf 44.52 / 41
p0 56.5 ± 40.1
p1 -0.01126 ± 0.02331
p2 0.1548 ± 0.0412
p3 1.765 ± 0.581
p4 124.9 ± 7.7
mean 0.1356 ± 0.0010
sigma 0.01722 ± 0.00116
invariant mass sorted by South 369 tower (row: 17 , col: 18)
by_Stower_369
Entries 2989
Mean 0.1992
RMS 0.09459
χ² / ndf 39.36 / 41
p0 19.55 ± 4.37
p1 0.004331 ± 0.013157
p2 0.25 ± 0.04
p3 1.007 ± 0.166
p4 95.66 ± 5.87
mean 0.1352 ± 0.0011
sigma 0.01939 ± 0.00119
invariant mass sorted by South 370 tower (row: 17 , col: 19)
by_Stower_370
Entries 3883
Mean 0.1984
RMS 0.09389
χ² / ndf 30.87 / 42
p0 22.07 ± 2.65
p1 0.008175 ± 0.003370
p2 0.25 ± 0.03
p3 0.9762 ± 0.0799
p4 129.2 ± 7.0
mean 0.1344 ± 0.0009
sigma 0.0174 ± 0.0008
invariant mass sorted by South 371 tower (row: 17 , col: 20)
by_Stower_371
Entries 3356
Mean 0.1995
RMS 0.09692
χ² / ndf 50 / 42
p0 12.04 ± 1.17
p1 0.01925 ± 0.00105
p2 0.25 ± 0.01
p3 0.7113 ± 0.0561
p4 80.08 ± 7.01
mean 0.1339 ± 0.0011
sigma 0.01509 ± 0.00108
invariant mass sorted by South 372 tower (row: 17 , col: 21)
by_Stower_372
Entries 2558
Mean 0.2045
RMS 0.0972
χ² / ndf 44.24 / 42
p0 17.24 ± 4.55
p1 -0.004995 ± 0.014505
p2 0.25 ± 0.15
p3 1.219 ± 0.209
p4 63.7 ± 4.8
mean 0.1364 ± 0.0013
sigma 0.0194 ± 0.0014
invariant mass sorted by South 373 tower (row: 17 , col: 22)
by_Stower_373
Entries 905
Mean 0.2273
RMS 0.0961
χ² / ndf 61.23 / 41
p0 1738 ± 2328.5
p1 -0.1321 ± 0.0546
p2 0.07808 ± 0.01350
p3 5.532 ± 1.148
p4 12.72 ± 2.37
mean 0.1368 ± 0.0037
sigma 0.01867 ± 0.00303
invariant mass [GeV]

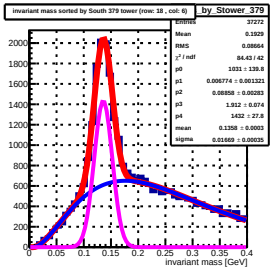

invariant mass sorted by South 374 tower (row: 18 , col: 1)
by_Stower_374
Entries 81309
Mean 0.2036
RMS 0.0953
χ² / ndf 94.89 / 42
p0 660 ± 27.2
p1 0.01079 ± 0.00042
p2 0.14 ± 0.00
p3 1.18 ± 0.03
p4 870.1 ± 26.2
mean 0.1339 ± 0.0007
sigma 0.02468 ± 0.00099
invariant mass [GeV]

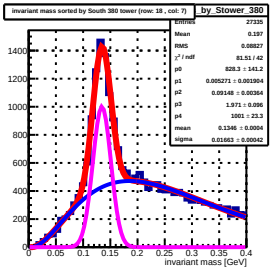

invariant mass sorted by South 375 tower (row: 18 , col: 2)
by_Stower_375
Entries 58569
Mean 0.1958
RMS 0.09315
χ² / ndf 68.2 / 42
p0 507.4 ± 29.7
p1 0.009673 ± 0.000559
p2 0.1236 ± 0.0036
p3 1.227 ± 0.038
p4 1014 ± 26.4
mean 0.1345 ± 0.0005
sigma 0.01988 ± 0.00064
invariant mass [GeV]

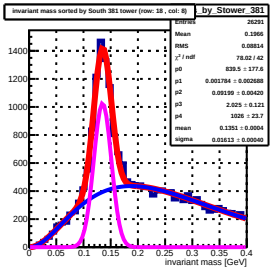

invariant mass sorted by South 376 tower (row: 18 , col: 3)
by_Stower_376
Entries 50795
Mean 0.1884
RMS 0.09007
χ² / ndf 90.45 / 42
p0 469.7 ± 30.9
p1 0.01042 ± 0.00053
p2 0.1122 ± 0.0033
p3 1.281 ± 0.039
p4 1244 ± 26.8
mean 0.1351 ± 0.0004
sigma 0.02101 ± 0.00060
invariant mass [GeV]

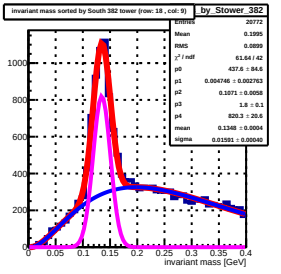

invariant mass sorted by South 377 tower (row: 18 , col: 4)
by_Stower_377
Entries 42386
Mean 0.1863
RMS 0.08631
χ² / ndf 70.38 / 42
p0 879.2 ± 104.5
p1 0.007019 ± 0.001134
p2 0.087 ± 0.002
p3 1.722 ± 0.062
p4 1351 ± 27.9
mean 0.1358 ± 0.0004
sigma 0.01828 ± 0.00044
invariant mass [GeV]

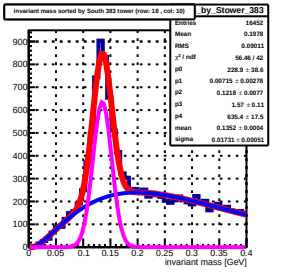

invariant mass sorted by South 378 tower (row: 18 , col: 5)
by_Stower_378
Entries 37038
Mean 0.1886
RMS 0.08579
χ² / ndf 75.64 / 42
p0 914 ± 119.2
p1 0.008251 ± 0.001231
p2 0.08616 ± 0.00264
p3 1.827 ± 0.069
p4 1327 ± 26.6
mean 0.1352 ± 0.0004
sigma 0.01813 ± 0.00041
invariant mass [GeV]

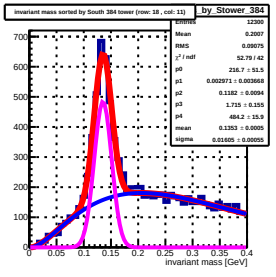

invariant mass sorted by South 379 tower (row: 18 , col: 6)
by_Stower_379
Entries 37272
Mean 0.1929
RMS 0.08664
χ² / ndf 84.43 / 42
p0 1031 ± 139.8
p1 0.006774 ± 0.001321
p2 0.08858 ± 0.00283
p3 1.912 ± 0.074
p4 1432 ± 27.8
mean 0.1358 ± 0.0003
sigma 0.01669 ± 0.00035
invariant mass [GeV]

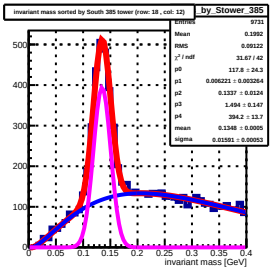

invariant mass sorted by South 380 tower (row: 18 , col: 7)
by_Stower_380
Entries 27335
Mean 0.197
RMS 0.08827
χ² / ndf 81.51 / 42
p0 828.3 ± 141.2
p1 0.005271 ± 0.001904
p2 0.09148 ± 0.00364
p3 1.971 ± 0.086
p4 1001 ± 23.3
mean 0.1346 ± 0.0004
sigma 0.01663 ± 0.00042
invariant mass [GeV]

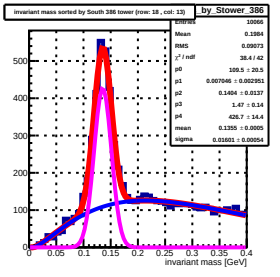

invariant mass sorted by South 381 tower (row: 18 , col: 8)
by_Stower_381
Entries 26291
Mean 0.1966
RMS 0.08814
χ² / ndf 78.02 / 42
p0 839.5 ± 177.5
p1 0.001784 ± 0.002688
p2 0.09199 ± 0.00420
p3 2.025 ± 0.121
p4 1026 ± 23.7
mean 0.1351 ± 0.0004
sigma 0.01613 ± 0.00040
invariant mass [GeV]

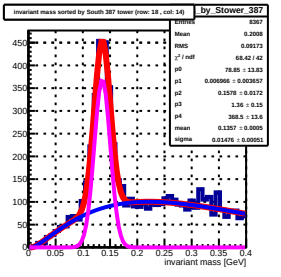

invariant mass sorted by South 382 tower (row: 18 , col: 9)
by_Stower_382
Entries 20772
Mean 0.1995
RMS 0.0899
χ² / ndf 61.64 / 42
p0 437.5 ± 84.6
p1 0.004746 ± 0.002763
p2 0.1071 ± 0.0058
p3 1.8 ± 0.1
p4 820.3 ± 20.6
mean 0.1348 ± 0.0004
sigma 0.01591 ± 0.00040
invariant mass [GeV]

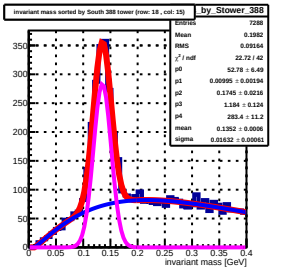

invariant mass sorted by South 383 tower (row: 18 , col: 10)
by_Stower_383
Entries 16452
Mean 0.1978
RMS 0.09011
χ² / ndf 56.46 / 42
p0 228.9 ± 38.6
p1 0.00715 ± 0.00278
p2 0.1218 ± 0.0077
p3 1.57 ± 0.11
p4 635.4 ± 17.5
mean 0.1352 ± 0.0004
sigma 0.01731 ± 0.00051
invariant mass [GeV]

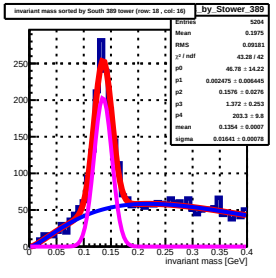

invariant mass sorted by South 384 tower (row: 18 , col: 11)
by_Stower_384
Entries 12300
Mean 0.2007
RMS 0.09075
χ² / ndf 52.79 / 42
p0 216.7 ± 51.5
p1 0.002971 ± 0.003668
p2 0.1182 ± 0.0094
p3 1.715 ± 0.155
p4 484.2 ± 15.9
mean 0.1353 ± 0.0005
sigma 0.01605 ± 0.00055
invariant mass [GeV]

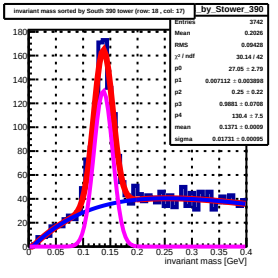

invariant mass sorted by South 385 tower (row: 18 , col: 12)
by_Stower_385
Entries 9731
Mean 0.1992
RMS 0.09122
χ² / ndf 31.67 / 42
p0 117.8 ± 24.3
p1 0.006221 ± 0.003264
p2 0.1337 ± 0.0124
p3 1.494 ± 0.147
p4 394.2 ± 13.7
mean 0.1348 ± 0.0005
sigma 0.01593 ± 0.00053
invariant mass [GeV]

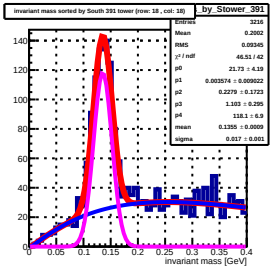

invariant mass sorted by South 386 tower (row: 18 , col: 13)
by_Stower_386
Entries 10066
Mean 0.1984
RMS 0.09073
χ² / ndf 38.4 / 42
p0 108.5 ± 20.5
p1 0.007046 ± 0.002951
p2 0.1404 ± 0.0137
p3 1.47 ± 0.14
p4 426.7 ± 14.4
mean 0.1355 ± 0.0005
sigma 0.01601 ± 0.00054
invariant mass [GeV]

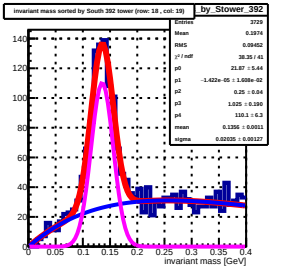

invariant mass sorted by South 387 tower (row: 18 , col: 14)
by_Stower_387
Entries 8367
Mean 0.2008
RMS 0.09173
χ² / ndf 68.42 / 42
p0 78.85 ± 13.83
p1 0.006996 ± 0.003657
p2 0.1578 ± 0.0172
p3 1.36 ± 0.15
p4 368.5 ± 13.6
mean 0.1357 ± 0.0005
sigma 0.01476 ± 0.00051
invariant mass [GeV]

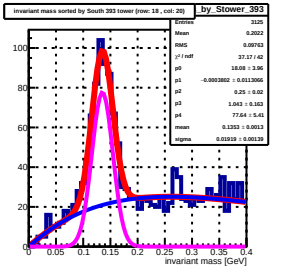

invariant mass sorted by South 388 tower (row: 18 , col: 15)
by_Stower_388
Entries 7288
Mean 0.1982
RMS 0.09164
χ² / ndf 22.72 / 42
p0 52.78 ± 6.49
p1 0.00995 ± 0.00194
p2 0.1745 ± 0.0216
p3 1.184 ± 0.124
p4 283.4 ± 11.2
mean 0.1352 ± 0.0006
sigma 0.01632 ± 0.00061
invariant mass [GeV]

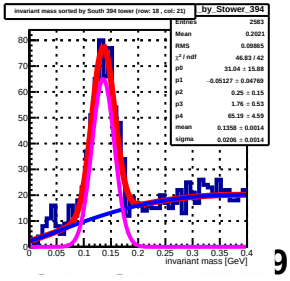

invariant mass sorted by South 389 tower (row: 18 , col: 16)
by_Stower_389
Entries 5204
Mean 0.1975
RMS 0.09181
χ² / ndf 43.28 / 42
p0 46.78 ± 14.22
p1 0.002475 ± 0.006445
p2 0.1576 ± 0.0276
p3 1.372 ± 0.253
p4 203.3 ± 9.8
mean 0.1354 ± 0.0007
sigma 0.01641 ± 0.00078
invariant mass [GeV]

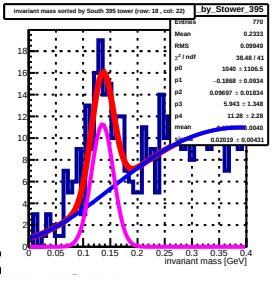

invariant mass sorted by South 390 tower (row: 18 , col: 17)
by_Stower_390
Entries 3742
Mean 0.2028
RMS 0.09428
χ² / ndf 30.14 / 42
p0 27.05 ± 2.79
p1 0.007112 ± 0.003898
p2 0.25 ± 0.22
p3 0.9881 ± 0.0708
p4 130.4 ± 7.5
mean 0.1371 ± 0.0009
sigma 0.01731 ± 0.00095
invariant mass [GeV]

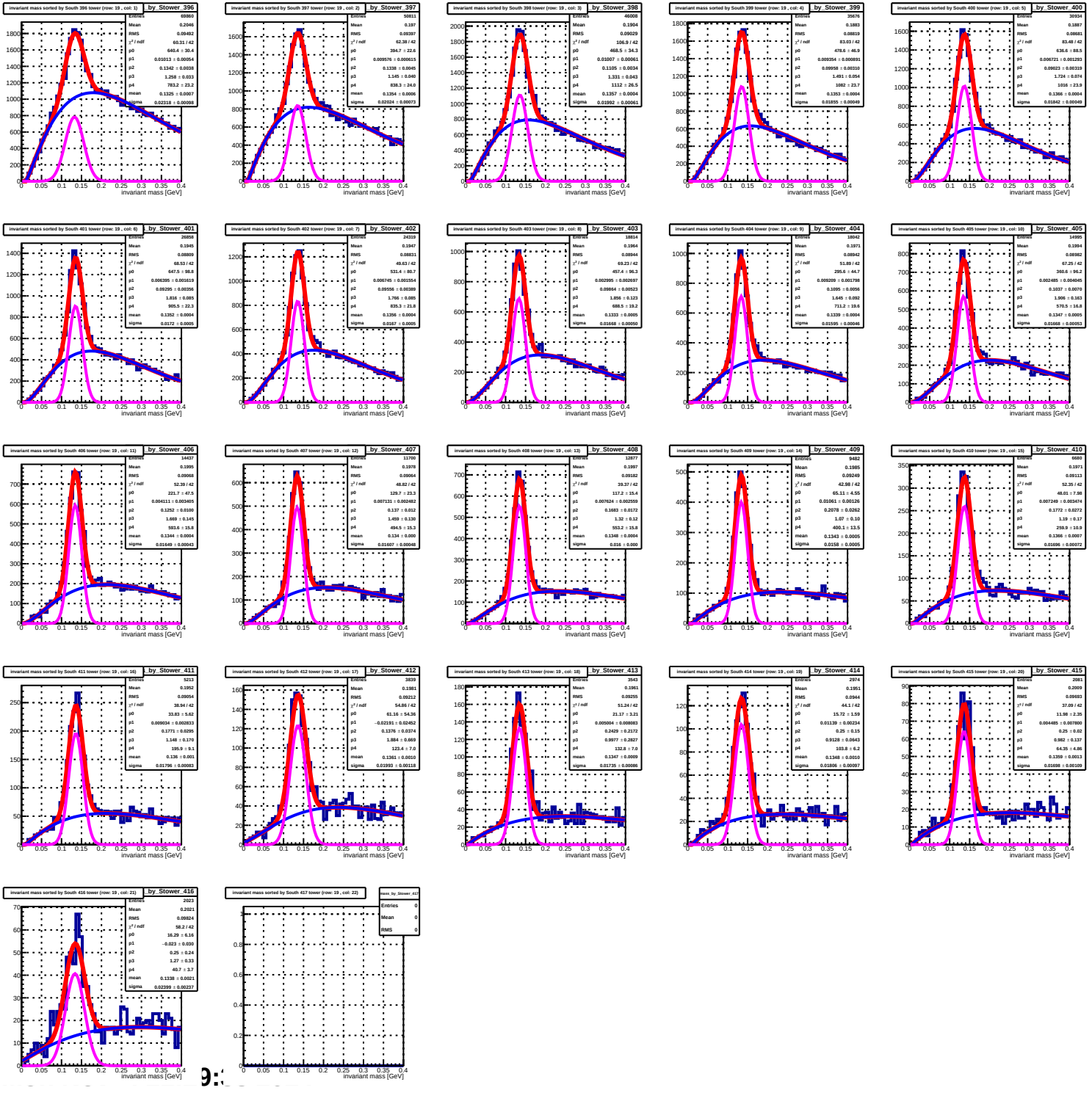

invariant mass sorted by South 391 tower (row: 18 , col: 18)
by_Stower_391
Entries 3216
Mean 0.2002
RMS 0.09345
χ² / ndf 46.51 / 42
p0 21.73 ± 4.19
p1 0.003574 ± 0.009022
p2 0.2279 ± 0.1723
p3 1.183 ± 0.295
p4 118.1 ± 6.9
mean 0.1355 ± 0.0009
sigma 0.017 ± 0.001
invariant mass [GeV]

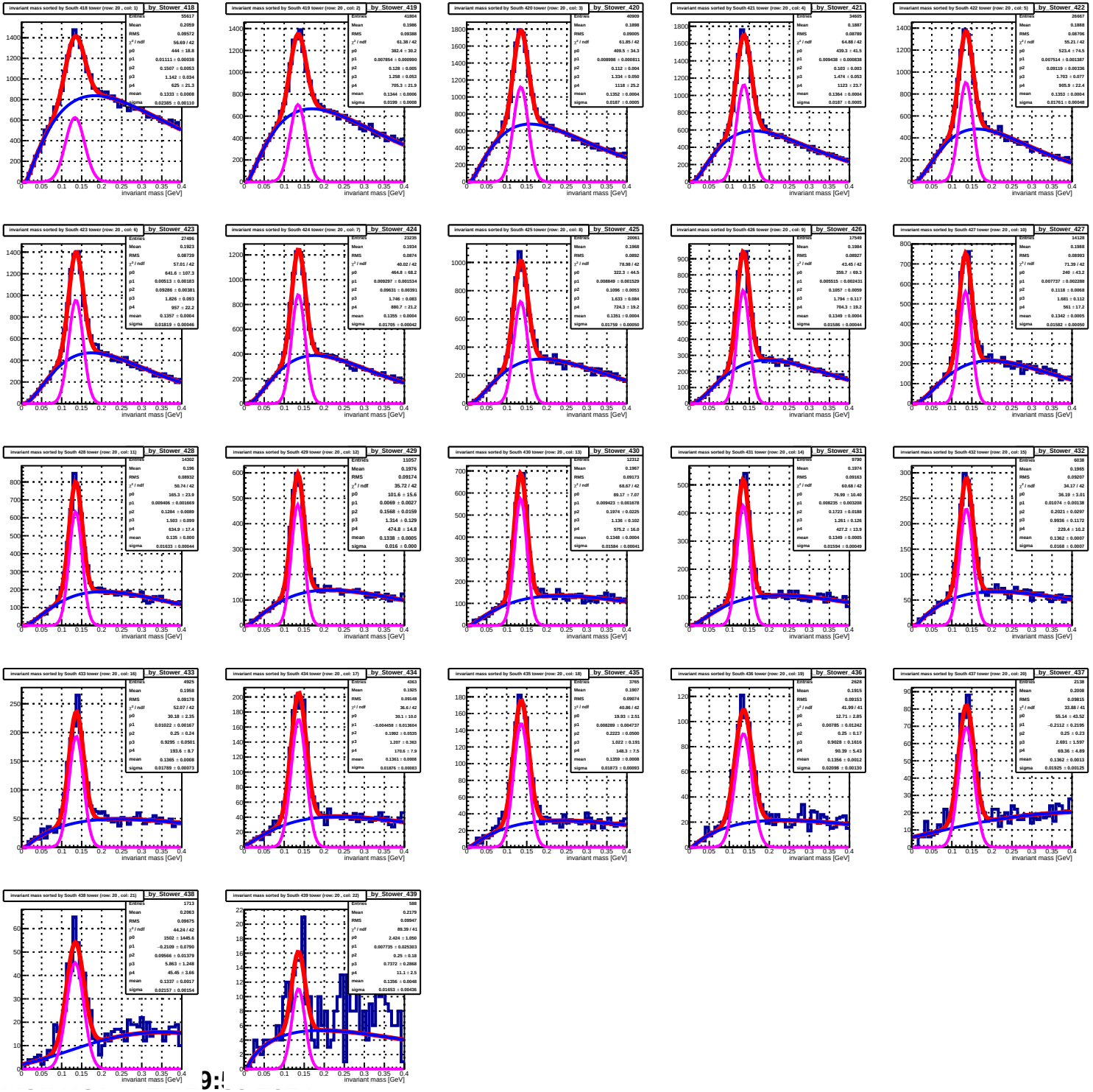

invariant mass sorted by South 392 tower (row: 18 , col: 19)
by_Stower_392
Entries 3729
Mean 0.1974
RMS 0.09452
χ² / ndf 38.35 / 41
p0 21.87 ± 5.44
p1 -1.422e-05 ± 1.008e-02
p2 0.25 ± 0.04
p3 1.025 ± 0.199
p4 110.1 ± 6.3
mean 0.1356 ± 0.0011
sigma 0.02035 ± 0.00127
invariant mass [GeV]

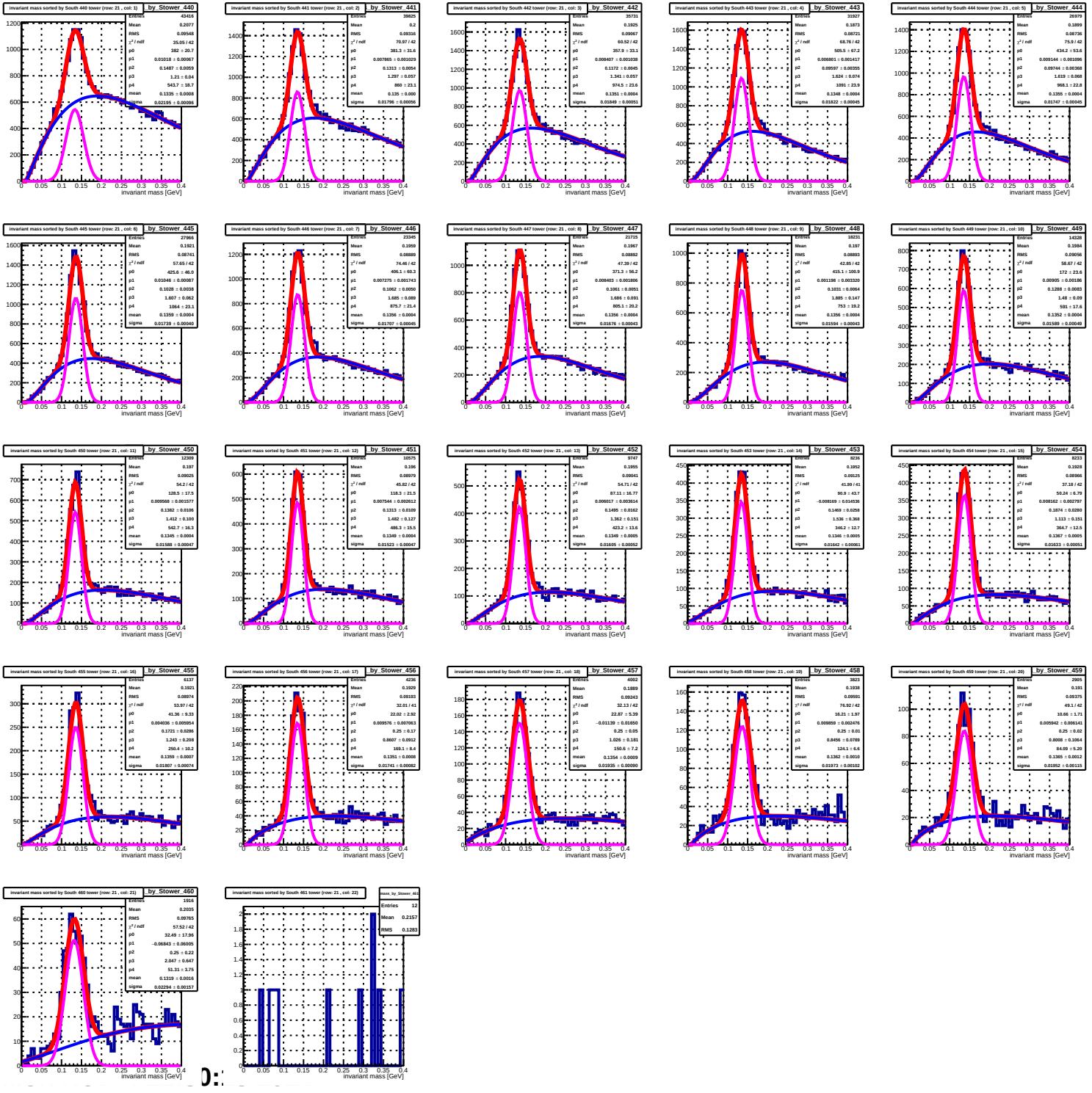

invariant mass sorted by South 393 tower (row: 18 , col: 20)
by_Stower_393
Entries 3125
Mean 0.2022
RMS 0.09763
χ² / ndf 37.17 / 42
p0 18.08 ± 3.96
p1 -0.0003802 ± 0.0113066
p2 0.25 ± 0.02
p3 1.043 ± 0.183
p4 77.64 ± 5.41
mean 0.1353 ± 0.0013
sigma 0.01919 ± 0.00139
invariant mass [GeV]

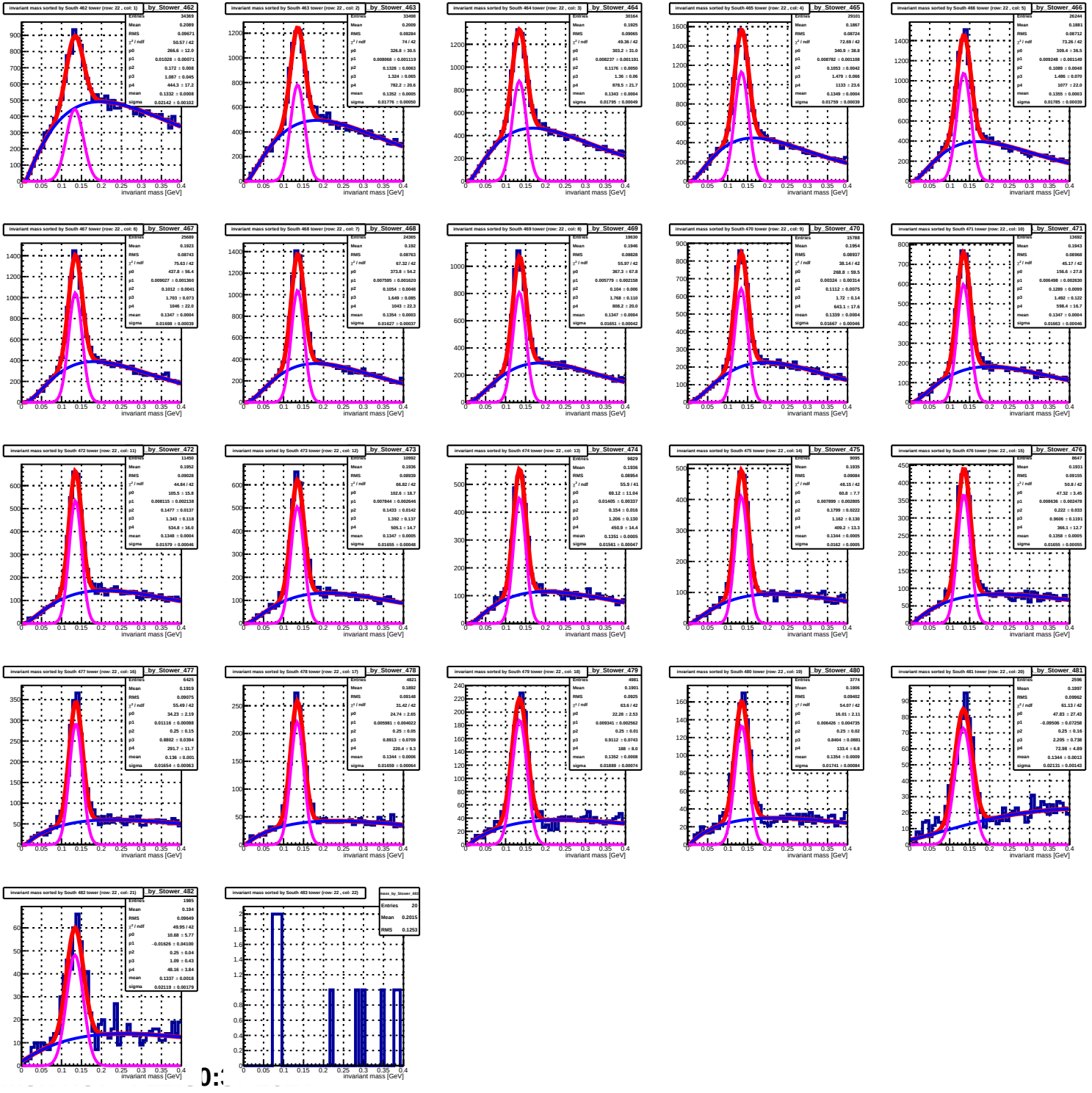

invariant mass sorted by South 394 tower (row: 18 , col: 21)
by_Stower_394
Entries 2583
Mean 0.2021
RMS 0.09865
χ² / ndf 46.83 / 42
p0 31.04 ± 15.88
p1 -0.05127 ± 0.04769
p2 0.25 ± 0.15
p3 1.76 ± 0.53
p4 65.19 ± 4.59
mean 0.1358 ± 0.0014
sigma 0.0206 ± 0.0014
invariant mass [GeV]

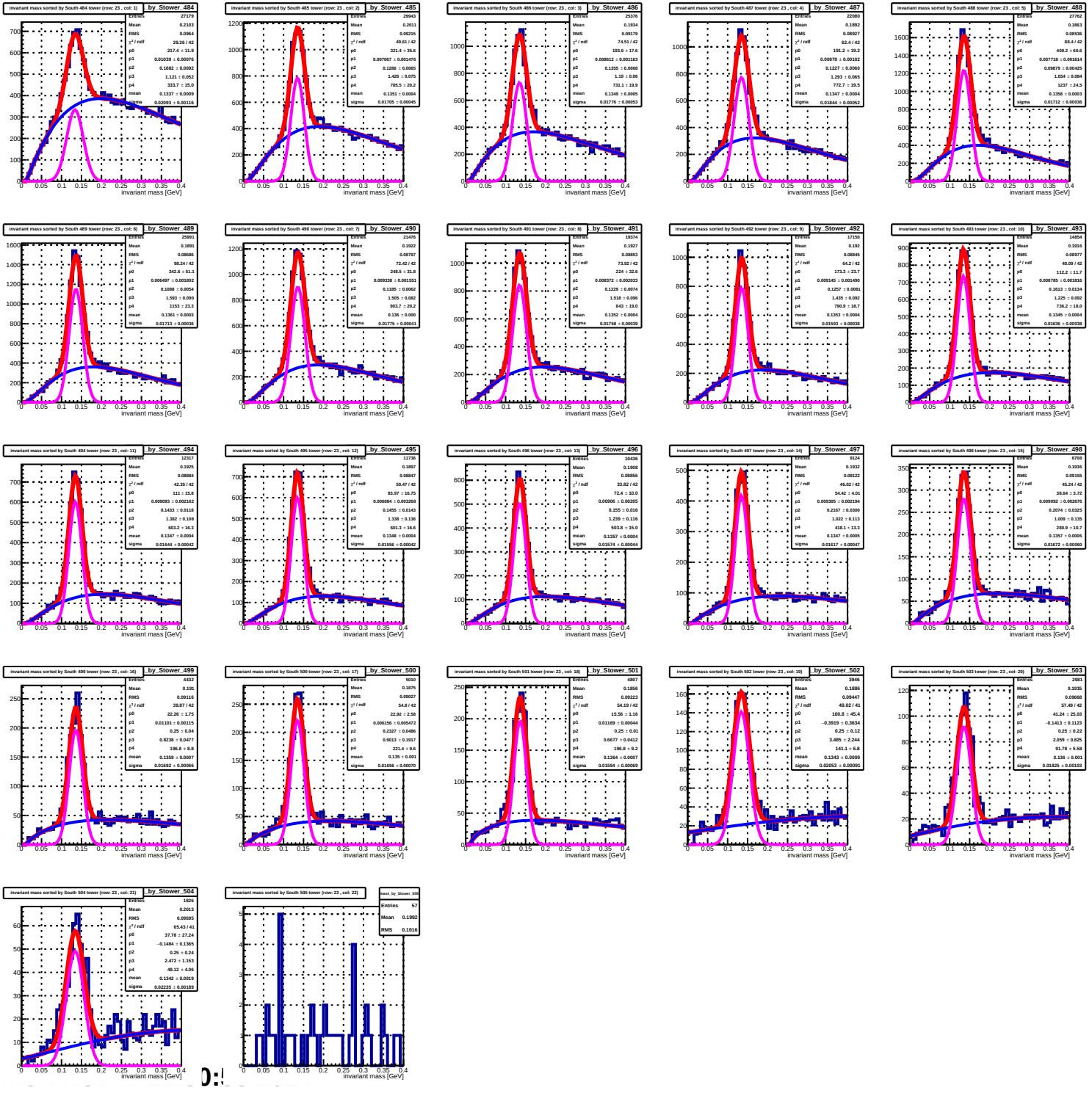

invariant mass sorted by South 395 tower (row: 18 , col: 22)
by_Stower_395
Entries 770
Mean 0.2333
RMS 0.09949
χ² / ndf 38.48 / 41
p0 1040 ± 1186.5
p1 -0.1868 ± 0.0934
p2 0.09697 ± 0.01834
p3 5.943 ± 1.348
p4 11.28 ± 2.28
mean 0.0040
sigma 0.02019 ± 0.00431
invariant mass [GeV]

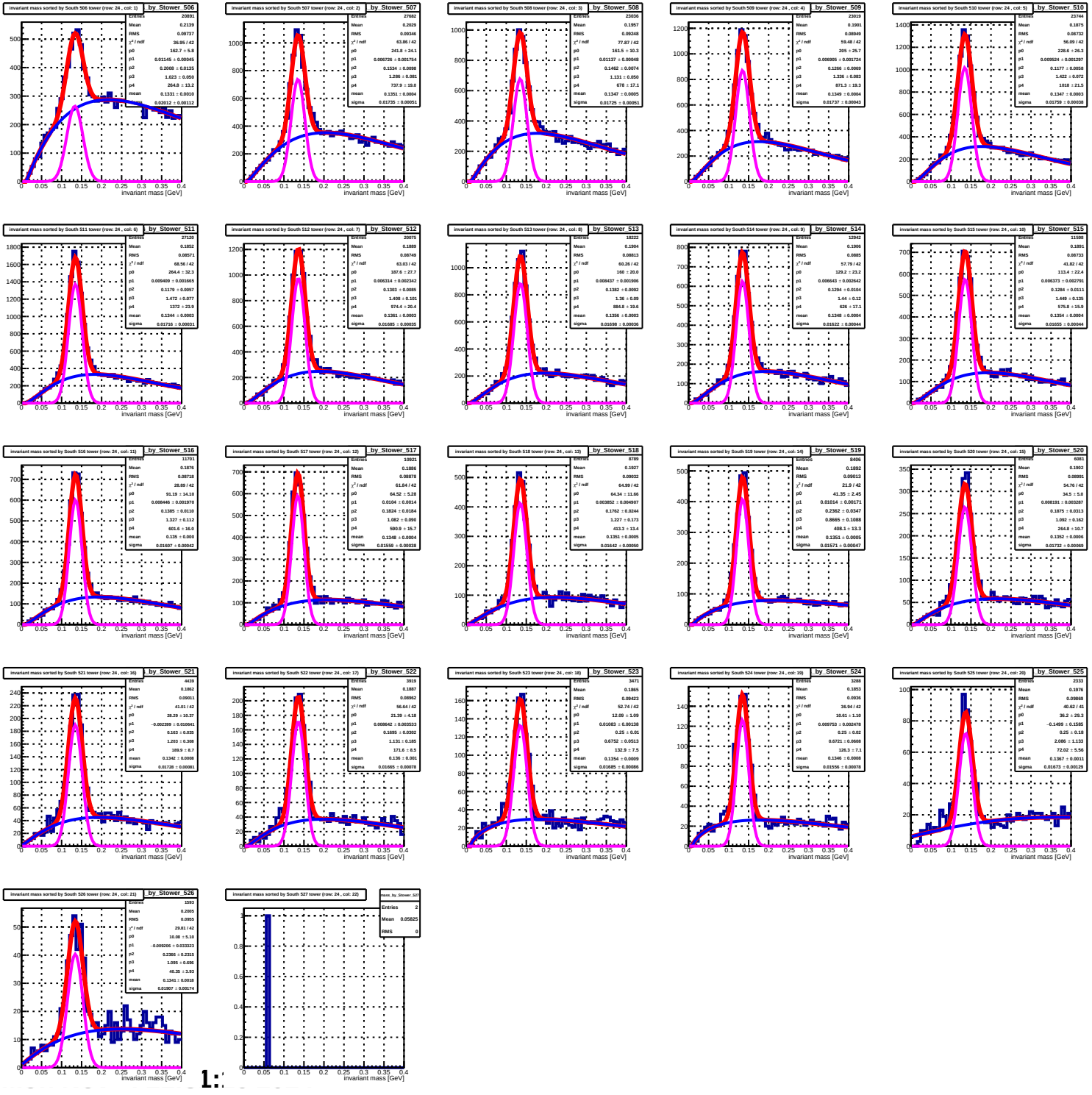

invariant mass sorted by South 396 tower (row: 19 , col: 1) by_Stower_396
Entries 69860
Mean 0.2046
RMS 0.09492
χ² / ndf 60.31 / 42
p0 640.4 ± 30.4
p1 0.01013 ± 0.00054
p2 0.1342 ± 0.0038
p3 1.258 ± 0.033
p4 783.2 ± 23.2
mean 0.1325 ± 0.0007
sigma 0.02318 ± 0.00098
invariant mass sorted by South 397 tower (row: 19 , col: 2) by_Stower_397
Entries 50811
Mean 0.197
RMS 0.09397
χ² / ndf 62.38 / 42
p0 394.7 ± 22.6
p1 0.009576 ± 0.000615
p2 0.1338 ± 0.0045
p3 1.145 ± 0.040
p4 838.3 ± 24.0
mean 0.1354 ± 0.0006
sigma 0.02024 ± 0.00073
invariant mass sorted by South 398 tower (row: 19 , col: 3) by_Stower_398
Entries 46008
Mean 0.1904
RMS 0.09029
χ² / ndf 106.9 / 42
p0 468.5 ± 34.3
p1 0.01007 ± 0.00061
p2 0.1105 ± 0.0034
p3 1.331 ± 0.043
p4 1112 ± 26.5
mean 0.1357 ± 0.0004
sigma 0.01992 ± 0.00061
invariant mass sorted by South 399 tower (row: 19 , col: 4) by_Stower_399
Entries 35676
Mean 0.1883
RMS 0.08819
χ² / ndf 83.03 / 42
p0 478.0 ± 46.9
p1 0.009354 ± 0.000891
p2 0.09958 ± 0.00310
p3 1.491 ± 0.054
p4 1082 ± 23.7
mean 0.1353 ± 0.0004
sigma 0.01855 ± 0.00049
invariant mass sorted by South 400 tower (row: 19 , col: 5) by_Stower_400
Entries 30934
Mean 0.1887
RMS 0.08681
χ² / ndf 83.48 / 42
p0 636.6 ± 88.5
p1 0.006721 ± 0.001293
p2 0.09023 ± 0.00319
p3 1.724 ± 0.074
p4 1016 ± 23.9
mean 0.1366 ± 0.0004
sigma 0.01842 ± 0.00046
invariant mass sorted by South 401 tower (row: 19 , col: 6) by_Stower_401
Entries 26858
Mean 0.1945
RMS 0.08809
χ² / ndf 68.53 / 42
p0 647.5 ± 98.8
p1 0.006395 ± 0.001619
p2 0.09295 ± 0.00356
p3 1.818 ± 0.085
p4 905.5 ± 22.3
mean 0.1352 ± 0.0004
sigma 0.0172 ± 0.0005
invariant mass sorted by South 402 tower (row: 19 , col: 7) by_Stower_402
Entries 24319
Mean 0.1947
RMS 0.08831
χ² / ndf 49.63 / 42
p0 531.4 ± 80.7
p1 0.006745 ± 0.001554
p2 0.09556 ± 0.00389
p3 1.766 ± 0.085
p4 835.3 ± 21.8
mean 0.1356 ± 0.0004
sigma 0.0167 ± 0.0005
invariant mass sorted by South 403 tower (row: 19 , col: 8) by_Stower_403
Entries 18814
Mean 0.1964
RMS 0.08944
χ² / ndf 69.23 / 42
p0 457.4 ± 96.3
p1 0.002995 ± 0.002697
p2 0.09664 ± 0.00523
p3 1.856 ± 0.123
p4 688.5 ± 19.2
mean 0.1333 ± 0.0005
sigma 0.01668 ± 0.00050
invariant mass sorted by South 404 tower (row: 19 , col: 9) by_Stower_404
Entries 18042
Mean 0.1971
RMS 0.08942
χ² / ndf 51.89 / 42
p0 295.6 ± 44.7
p1 0.009209 ± 0.001798
p2 0.1095 ± 0.0056
p3 1.645 ± 0.092
p4 711.2 ± 19.6
mean 0.1339 ± 0.0004
sigma 0.01595 ± 0.00046
invariant mass sorted by South 405 tower (row: 19 , col: 10) by_Stower_405
Entries 14995
Mean 0.1994
RMS 0.08982
χ² / ndf 67.25 / 42
p0 360.6 ± 96.2
p1 0.002485 ± 0.004045
p2 0.1037 ± 0.0070
p3 1.906 ± 0.163
p4 570.5 ± 16.8
mean 0.1347 ± 0.0005
sigma 0.01668 ± 0.00053
invariant mass sorted by South 406 tower (row: 19 , col: 11) by_Stower_406
Entries 14437
Mean 0.1995
RMS 0.09068
χ² / ndf 52.39 / 42
p0 221.7 ± 47.5
p1 0.004111 ± 0.003405
p2 0.1252 ± 0.0100
p3 1.669 ± 0.145
p4 593.6 ± 15.8
mean 0.1344 ± 0.0004
sigma 0.01649 ± 0.00043
invariant mass sorted by South 407 tower (row: 19 , col: 12) by_Stower_407
Entries 11700
Mean 0.1978
RMS 0.09064
χ² / ndf 48.82 / 42
p0 128.7 ± 23.3
p1 0.007131 ± 0.002482
p2 0.137 ± 0.012
p3 1.459 ± 0.130
p4 494.5 ± 15.3
mean 0.134 ± 0.000
sigma 0.01607 ± 0.00048
invariant mass sorted by South 408 tower (row: 19 , col: 13) by_Stower_408
Entries 12877
Mean 0.1997
RMS 0.09182
χ² / ndf 39.37 / 42
p0 117.2 ± 15.4
p1 0.007624 ± 0.002559
p2 0.1683 ± 0.0172
p3 1.32 ± 0.12
p4 553.2 ± 15.8
mean 0.1348 ± 0.0004
sigma 0.016 ± 0.000
invariant mass sorted by South 409 tower (row: 19 , col: 14) by_Stower_409
Entries 9482
Mean 0.1985
RMS 0.09249
χ² / ndf 42.98 / 42
p0 65.11 ± 4.55
p1 0.01061 ± 0.00126
p2 0.2078 ± 0.0262
p3 1.07 ± 0.10
p4 400.1 ± 13.5
mean 0.1343 ± 0.0005
sigma 0.0158 ± 0.0005
invariant mass sorted by South 410 tower (row: 19 , col: 15) by_Stower_410
Entries 6680
Mean 0.1971
RMS 0.09113
χ² / ndf 52.35 / 42
p0 48.01 ± 7.86
p1 0.007249 ± 0.003474
p2 0.1772 ± 0.0272
p3 1.19 ± 0.17
p4 259.9 ± 10.9
mean 0.1366 ± 0.0007
sigma 0.01696 ± 0.00072
invariant mass sorted by South 411 tower (row: 19 , col: 16) by_Stower_411
Entries 5213
Mean 0.1952
RMS 0.09054
χ² / ndf 38.94 / 42
p0 33.83 ± 5.62
p1 0.009034 ± 0.002833
p2 0.1771 ± 0.0295
p3 1.148 ± 0.170
p4 195.9 ± 9.1
mean 0.136 ± 0.001
sigma 0.01796 ± 0.00083
invariant mass sorted by South 412 tower (row: 19 , col: 17) by_Stower_412
Entries 3839
Mean 0.1981
RMS 0.09212
χ² / ndf 54.86 / 42
p0 61.16 ± 54.36
p1 −0.02191 ± 0.02452
p2 0.1376 ± 0.0374
p3 1.884 ± 0.669
p4 123.4 ± 7.0
mean 0.1361 ± 0.0010
sigma 0.01993 ± 0.00118
invariant mass sorted by South 413 tower (row: 19 , col: 18) by_Stower_413
Entries 3543
Mean 0.1961
RMS 0.09255
χ² / ndf 51.24 / 42
p0 21.17 ± 3.21
p1 0.005004 ± 0.008083
p2 0.2429 ± 0.2172
p3 0.9977 ± 0.2827
p4 132.8 ± 7.0
mean 0.1347 ± 0.0009
sigma 0.01735 ± 0.00086
invariant mass sorted by South 414 tower (row: 19 , col: 19) by_Stower_414
Entries 2974
Mean 0.1951
RMS 0.0944
χ² / ndf 44.1 / 42
p0 15.72 ± 1.59
p1 0.01139 ± 0.00234
p2 0.25 ± 0.15
p3 0.9128 ± 0.0643
p4 103.8 ± 6.2
mean 0.1348 ± 0.0010
sigma 0.01806 ± 0.00097
invariant mass sorted by South 415 tower (row: 19 , col: 20) by_Stower_415
Entries 2081
Mean 0.2009
RMS 0.09693
χ² / ndf 37.09 / 42
p0 11.98 ± 2.35
p1 0.004485 ± 0.007800
p2 0.25 ± 0.02
p3 0.982 ± 0.137
p4 64.35 ± 4.86
mean 0.1359 ± 0.0013
sigma 0.01698 ± 0.00109
invariant mass sorted by South 416 tower (row: 19 , col: 21) by_Stower_416
Entries 2023
Mean 0.2021
RMS 0.09824
χ² / ndf 58.2 / 42
p0 16.29 ± 6.16
p1 −0.023 ± 0.030
p2 0.25 ± 0.24
p3 1.27 ± 0.33
p4 40.7 ± 3.7
mean 0.1338 ± 0.0021
sigma 0.02399 ± 0.00237
invariant mass sorted by South 417 tower (row: 19 , col: 22)
mass_by_Stower_417
Entries 0
Mean 0
RMS 0
invariant mass [GeV]

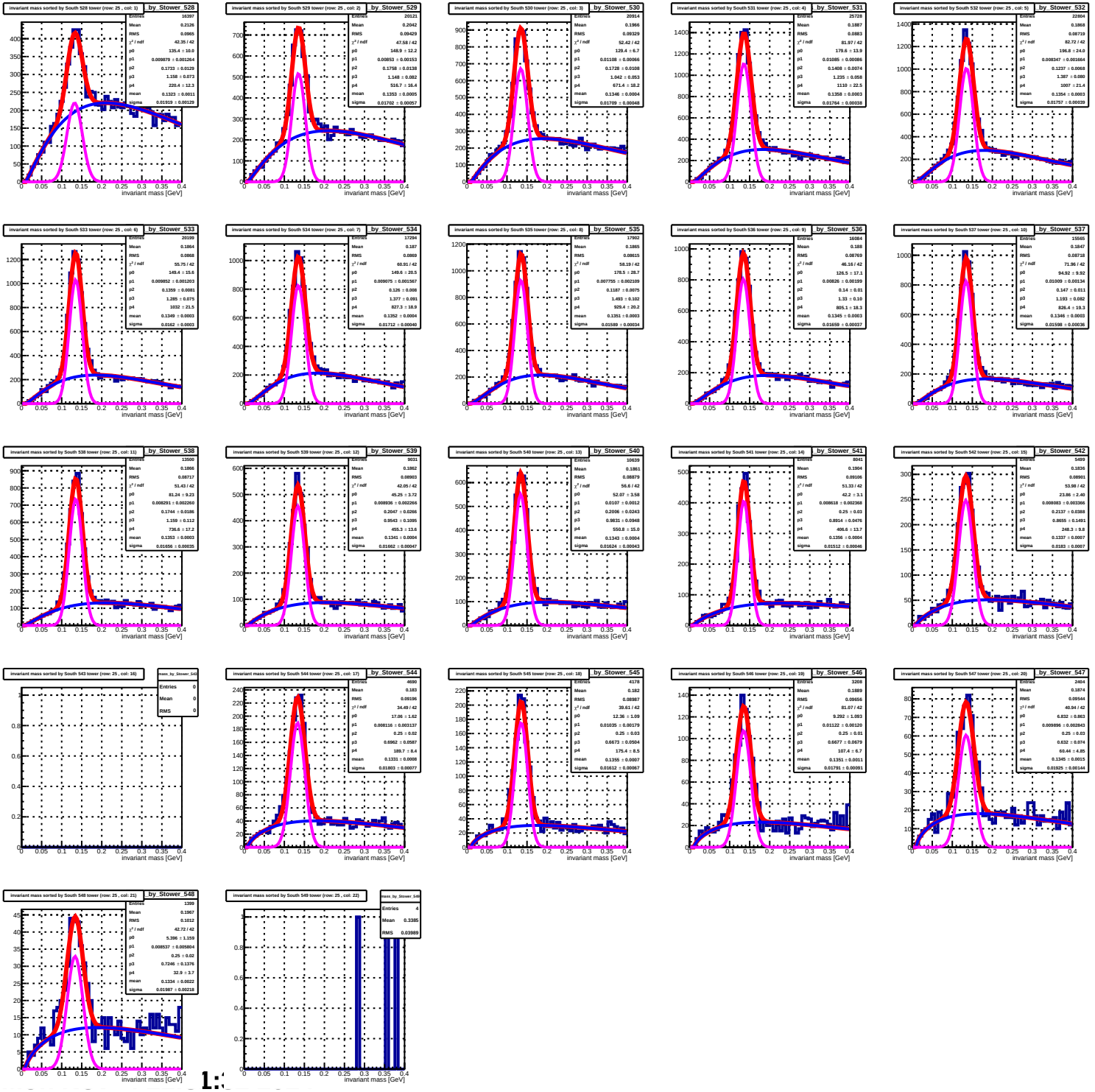

invariant mass sorted by South 418 tower (row: 20 , col: 1)
by_Stower_418
Entries 55617
Mean 0.2059
RMS 0.09572
χ² / ndf 56.69 / 42
p0 444 ± 18.8
p1 0.01111 ± 0.00038
p2 0.1507 ± 0.0053
p3 1.142 ± 0.034
p4 625 ± 21.3
mean 0.1333 ± 0.0008
sigma 0.02385 ± 0.00110
invariant mass sorted by South 419 tower (row: 20 , col: 2)
by_Stower_419
Entries 41864
Mean 0.1986
RMS 0.09388
χ² / ndf 61.38 / 42
p0 382.4 ± 30.2
p1 0.007854 ± 0.000990
p2 0.128 ± 0.005
p3 1.258 ± 0.053
p4 705.3 ± 21.9
mean 0.1344 ± 0.0006
sigma 0.0199 ± 0.0008
invariant mass sorted by South 420 tower (row: 20 , col: 3)
by_Stower_420
Entries 40909
Mean 0.1898
RMS 0.09005
χ² / ndf 61.85 / 42
p0 408.5 ± 34.3
p1 0.008998 ± 0.000811
p2 0.112 ± 0.004
p3 1.334 ± 0.050
p4 1118 ± 25.2
mean 0.1352 ± 0.0004
sigma 0.0187 ± 0.0005
invariant mass sorted by South 421 tower (row: 20 , col: 4)
by_Stower_421
Entries 34605
Mean 0.1887
RMS 0.08789
χ² / ndf 64.88 / 42
p0 439.3 ± 41.5
p1 0.009438 ± 0.000838
p2 0.103 ± 0.003
p3 1.474 ± 0.053
p4 1123 ± 23.7
mean 0.1364 ± 0.0004
sigma 0.0187 ± 0.0005
invariant mass sorted by South 422 tower (row: 20 , col: 5)
by_Stower_422
Entries 26667
Mean 0.1888
RMS 0.08706
χ² / ndf 55.21 / 42
p0 523.4 ± 74.5
p1 0.007514 ± 0.001387
p2 0.09119 ± 0.00336
p3 1.703 ± 0.077
p4 955.9 ± 22.4
mean 0.1353 ± 0.0004
sigma 0.01761 ± 0.00046
invariant mass sorted by South 423 tower (row: 20 , col: 6)
by_Stower_423
Entries 27496
Mean 0.1923
RMS 0.08739
χ² / ndf 57.01 / 42
p0 641.6 ± 107.3
p1 0.00513 ± 0.00183
p2 0.09286 ± 0.00381
p3 1.826 ± 0.093
p4 957 ± 22.2
mean 0.1357 ± 0.0004
sigma 0.01819 ± 0.00046
invariant mass sorted by South 424 tower (row: 20 , col: 7)
by_Stower_424
Entries 25235
Mean 0.1934
RMS 0.0874
χ² / ndf 40.02 / 42
p0 464.8 ± 68.2
p1 0.009297 ± 0.001534
p2 0.09631 ± 0.00391
p3 1.746 ± 0.083
p4 880.7 ± 21.2
mean 0.1355 ± 0.0004
sigma 0.01705 ± 0.00042
invariant mass sorted by South 425 tower (row: 20 , col: 8)
by_Stower_425
Entries 20061
Mean 0.1968
RMS 0.0892
χ² / ndf 78.98 / 42
p0 322.3 ± 44.5
p1 0.008849 ± 0.001529
p2 0.1096 ± 0.0053
p3 1.633 ± 0.084
p4 724.3 ± 19.2
mean 0.1351 ± 0.0004
sigma 0.01759 ± 0.00050
invariant mass sorted by South 426 tower (row: 20 , col: 9)
by_Stower_426
Entries 17549
Mean 0.1984
RMS 0.08927
χ² / ndf 43.45 / 42
p0 359.7 ± 69.3
p1 0.005515 ± 0.002431
p2 0.1057 ± 0.0059
p3 1.794 ± 0.117
p4 704.3 ± 19.2
mean 0.1349 ± 0.0004
sigma 0.01586 ± 0.00044
invariant mass sorted by South 427 tower (row: 20 , col: 10)
by_Stower_427
Entries 14128
Mean 0.1998
RMS 0.08993
χ² / ndf 71.39 / 42
p0 240 ± 43.2
p1 0.007737 ± 0.002288
p2 0.1118 ± 0.0068
p3 1.481 ± 0.112
p4 561 ± 17.2
mean 0.1342 ± 0.0005
sigma 0.01582 ± 0.00050
invariant mass sorted by South 428 tower (row: 20 , col: 11)
by_Stower_428
Entries 14302
Mean 0.196
RMS 0.08932
χ² / ndf 50.74 / 42
p0 165.3 ± 23.9
p1 0.009406 ± 0.001669
p2 0.1284 ± 0.0089
p3 1.503 ± 0.099
p4 634.9 ± 17.4
mean 0.135 ± 0.000
sigma 0.01633 ± 0.00044
invariant mass sorted by South 429 tower (row: 20 , col: 12)
by_Stower_429
Entries 11057
Mean 0.1976
RMS 0.09174
χ² / ndf 35.72 / 42
p0 101.6 ± 15.6
p1 0.0069 ± 0.0027
p2 0.1568 ± 0.0159
p3 1.314 ± 0.129
p4 474.8 ± 14.8
mean 0.1338 ± 0.0005
sigma 0.016 ± 0.000
invariant mass sorted by South 430 tower (row: 20 , col: 13)
by_Stower_430
Entries 12312
Mean 0.1967
RMS 0.09173
χ² / ndf 68.67 / 42
p0 89.17 ± 7.07
p1 0.009423 ± 0.001678
p2 0.1974 ± 0.0225
p3 1.136 ± 0.102
p4 575.2 ± 16.0
mean 0.1348 ± 0.0004
sigma 0.01584 ± 0.00041
invariant mass sorted by South 431 tower (row: 20 , col: 14)
by_Stower_431
Entries 9790
Mean 0.1974
RMS 0.09163
χ² / ndf 60.68 / 42
p0 76.99 ± 18.40
p1 0.008235 ± 0.003208
p2 0.1723 ± 0.0188
p3 1.261 ± 0.126
p4 427.2 ± 13.9
mean 0.1349 ± 0.0005
sigma 0.01594 ± 0.00049
invariant mass sorted by South 432 tower (row: 20 , col: 15)
by_Stower_432
Entries 6038
Mean 0.1965
RMS 0.09207
χ² / ndf 34.17 / 42
p0 36.19 ± 3.01
p1 0.01074 ± 0.00138
p2 0.2021 ± 0.0297
p3 0.9936 ± 0.1172
p4 229.4 ± 10.2
mean 0.1362 ± 0.0007
sigma 0.0168 ± 0.0007
invariant mass sorted by South 433 tower (row: 20 , col: 16)
by_Stower_433
Entries 4925
Mean 0.1958
RMS 0.09178
χ² / ndf 52.07 / 42
p0 30.18 ± 2.35
p1 0.01022 ± 0.00167
p2 0.25 ± 0.24
p3 0.9295 ± 0.0501
p4 193.6 ± 8.7
mean 0.1365 ± 0.0008
sigma 0.01789 ± 0.00073
invariant mass sorted by South 434 tower (row: 20 , col: 17)
by_Stower_434
Entries 4363
Mean 0.1925
RMS 0.09148
χ² / ndf 36.6 / 42
p0 30.1 ± 10.0
p1 -0.004456 ± 0.013604
p2 0.1992 ± 0.0535
p3 1.207 ± 0.363
p4 170.6 ± 7.9
mean 0.1361 ± 0.0008
sigma 0.01876 ± 0.00083
invariant mass sorted by South 435 tower (row: 20 , col: 18)
by_Stower_435
Entries 3765
Mean 0.1907
RMS 0.09074
χ² / ndf 40.86 / 42
p0 19.93 ± 2.51
p1 0.008289 ± 0.004737
p2 0.2223 ± 0.0500
p3 1.022 ± 0.191
p4 148.3 ± 7.5
mean 0.1359 ± 0.0008
sigma 0.01873 ± 0.00093
invariant mass sorted by South 436 tower (row: 20 , col: 19)
by_Stower_436
Entries 2628
Mean 0.1915
RMS 0.09153
χ² / ndf 41.99 / 41
p0 12.71 ± 2.85
p1 0.00785 ± 0.01242
p2 0.25 ± 0.17
p3 0.9028 ± 0.1816
p4 90.39 ± 5.43
mean 0.1356 ± 0.0012
sigma 0.02098 ± 0.00130
invariant mass sorted by South 437 tower (row: 20 , col: 20)
by_Stower_437
Entries 2138
Mean 0.2008
RMS 0.09815
χ² / ndf 33.88 / 41
p0 55.14 ± 43.52
p1 -0.2112 ± 0.2195
p2 0.25 ± 0.23
p3 2.691 ± 1.597
p4 69.36 ± 4.89
mean 0.1362 ± 0.0013
sigma 0.01925 ± 0.00125
invariant mass sorted by South 438 tower (row: 20 , col: 21)
by_Stower_438
Entries 1713
Mean 0.2063
RMS 0.09675
χ² / ndf 44.24 / 42
p0 1502 ± 1445.6
p1 -0.2109 ± 0.0790
p2 0.09566 ± 0.01379
p3 5.863 ± 1.248
p4 45.45 ± 3.66
mean 0.1337 ± 0.0017
sigma 0.02157 ± 0.00154
invariant mass sorted by South 439 tower (row: 20 , col: 22)
by_Stower_439
Entries 588
Mean 0.2179
RMS 0.09947
χ² / ndf 89.39 / 41
p0 2.424 ± 1.850
p1 0.007725 ± 0.025303
p2 0.25 ± 0.18
p3 0.7372 ± 0.2868
p4 11.1 ± 2.5
mean 0.1356 ± 0.0048
sigma 0.01653 ± 0.00438
invariant mass [GeV]

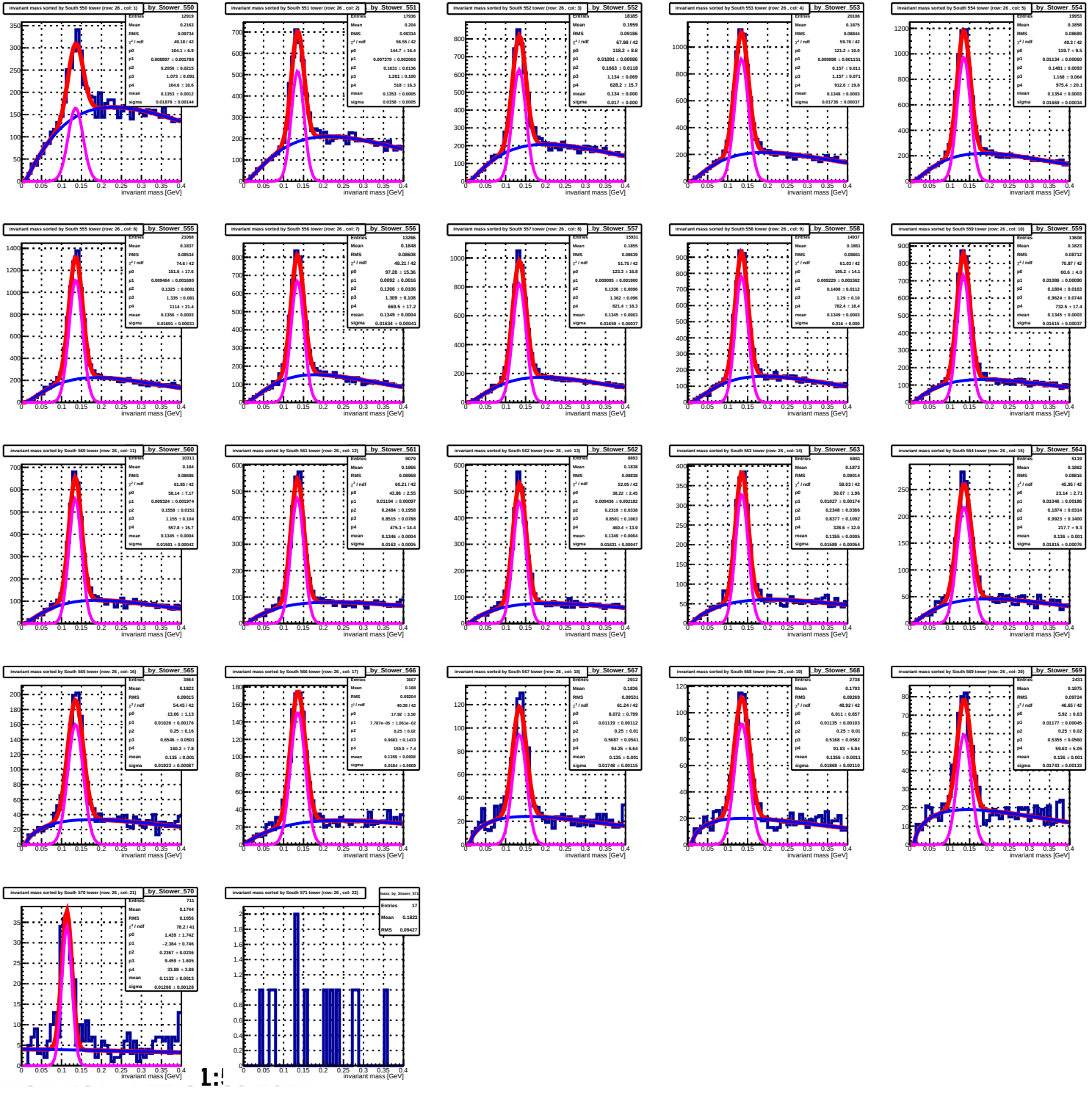

invariant mass sorted by South 440 tower (row: 21 , col: 1) by_Stower_440
Entries 43416
Mean 0.2077
RMS 0.09548
χ² / ndf 35.05 / 42
p0 382 ± 20.7
p1 0.01018 ± 0.00067
p2 0.1487 ± 0.0059
p3 1.21 ± 0.04
p4 543.7 ± 18.7
mean 0.1335 ± 0.0008
sigma 0.02195 ± 0.00096
invariant mass sorted by South 441 tower (row: 21 , col: 2) by_Stower_441
Entries 39825
Mean 0.2
RMS 0.09316
χ² / ndf 70.97 / 42
p0 381.3 ± 33.4
p1 0.007865 ± 0.001029
p2 0.1313 ± 0.0054
p3 1.297 ± 0.057
p4 860 ± 23.1
mean 0.135 ± 0.000
sigma 0.01798 ± 0.00096
invariant mass sorted by South 442 tower (row: 21 , col: 3) by_Stower_442
Entries 35731
Mean 0.1925
RMS 0.09067
χ² / ndf 60.52 / 42
p0 350.9 ± 33.1
p1 0.008407 ± 0.001038
p2 0.1172 ± 0.0045
p3 1.341 ± 0.057
p4 974.5 ± 23.6
mean 0.1351 ± 0.0004
sigma 0.01849 ± 0.00051
invariant mass sorted by South 443 tower (row: 21 , col: 4) by_Stower_443
Entries 31927
Mean 0.1873
RMS 0.08721
χ² / ndf 68.76 / 42
p0 505.5 ± 67.2
p1 0.006801 ± 0.001417
p2 0.09597 ± 0.00355
p3 1.624 ± 0.074
p4 1091 ± 23.9
mean 0.1348 ± 0.0004
sigma 0.01822 ± 0.00045
invariant mass sorted by South 444 tower (row: 21 , col: 5) by_Stower_444
Entries 26979
Mean 0.1899
RMS 0.08736
χ² / ndf 75.9 / 42
p0 434.2 ± 53.6
p1 0.009144 ± 0.001096
p2 0.09744 ± 0.00368
p3 1.619 ± 0.068
p4 968.1 ± 22.8
mean 0.1355 ± 0.0004
sigma 0.01747 ± 0.00045
invariant mass sorted by South 445 tower (row: 21 , col: 6) by_Stower_445
Entries 27966
Mean 0.1921
RMS 0.08741
χ² / ndf 57.65 / 42
p0 425.6 ± 46.0
p1 0.01046 ± 0.00087
p2 0.1028 ± 0.0038
p3 1.807 ± 0.062
p4 1064 ± 23.1
mean 0.1359 ± 0.0004
sigma 0.01739 ± 0.00040
invariant mass sorted by South 446 tower (row: 21 , col: 7) by_Stower_446
Entries 23345
Mean 0.1959
RMS 0.08889
χ² / ndf 74.46 / 42
p0 406.1 ± 60.3
p1 0.007275 ± 0.001743
p2 0.1062 ± 0.0050
p3 1.685 ± 0.089
p4 875.7 ± 21.4
mean 0.1356 ± 0.0004
sigma 0.01707 ± 0.00045
invariant mass sorted by South 447 tower (row: 21 , col: 8) by_Stower_447
Entries 21715
Mean 0.1967
RMS 0.08892
χ² / ndf 47.39 / 42
p0 371.3 ± 56.2
p1 0.008403 ± 0.001806
p2 0.1061 ± 0.0051
p3 1.688 ± 0.091
p4 805.1 ± 20.2
mean 0.1356 ± 0.0004
sigma 0.01676 ± 0.00043
invariant mass sorted by South 448 tower (row: 21 , col: 9) by_Stower_448
Entries 18231
Mean 0.197
RMS 0.08893
χ² / ndf 42.85 / 42
p0 415.1 ± 100.9
p1 0.001198 ± 0.003320
p2 0.1031 ± 0.0064
p3 1.885 ± 0.147
p4 753 ± 19.2
mean 0.1356 ± 0.0004
sigma 0.01594 ± 0.00043
invariant mass sorted by South 449 tower (row: 21 , col: 10) by_Stower_449
Entries 14328
Mean 0.1984
RMS 0.09056
χ² / ndf 58.67 / 42
p0 172 ± 23.6
p1 0.00905 ± 0.00186
p2 0.1288 ± 0.0083
p3 1.48 ± 0.09
p4 591 ± 17.6
mean 0.1352 ± 0.0004
sigma 0.01589 ± 0.00049
invariant mass sorted by South 450 tower (row: 21 , col: 11) by_Stower_450
Entries 12309
Mean 0.197
RMS 0.09025
χ² / ndf 54.2 / 42
p0 128.5 ± 17.5
p1 0.009568 ± 0.001577
p2 0.1382 ± 0.0106
p3 1.412 ± 0.100
p4 542.7 ± 16.3
mean 0.1345 ± 0.0004
sigma 0.01588 ± 0.00047
invariant mass sorted by South 451 tower (row: 21 , col: 12) by_Stower_451
Entries 10575
Mean 0.196
RMS 0.08979
χ² / ndf 45.82 / 42
p0 118.3 ± 21.5
p1 0.007544 ± 0.002612
p2 0.1313 ± 0.0169
p3 1.482 ± 0.127
p4 486.3 ± 15.5
mean 0.1349 ± 0.0004
sigma 0.01523 ± 0.00047
invariant mass sorted by South 452 tower (row: 21 , col: 13) by_Stower_452
Entries 9747
Mean 0.1955
RMS 0.09041
χ² / ndf 54.71 / 42
p0 87.11 ± 16.77
p1 0.006017 ± 0.003614
p2 0.1495 ± 0.0162
p3 1.362 ± 0.151
p4 423.2 ± 13.6
mean 0.1349 ± 0.0005
sigma 0.01605 ± 0.00052
invariant mass sorted by South 453 tower (row: 21 , col: 14) by_Stower_453
Entries 8236
Mean 0.1952
RMS 0.09125
χ² / ndf 41.99 / 41
p0 90.9 ± 43.7
p1 −0.008169 ± 0.014536
p2 0.1469 ± 0.0258
p3 1.536 ± 0.368
p4 346.2 ± 12.7
mean 0.1346 ± 0.0005
sigma 0.01642 ± 0.00061
invariant mass sorted by South 454 tower (row: 21 , col: 15) by_Stower_454
Entries 8233
Mean 0.1928
RMS 0.08966
χ² / ndf 37.18 / 42
p0 50.24 ± 6.79
p1 0.008162 ± 0.002797
p2 0.1874 ± 0.0280
p3 1.113 ± 0.151
p4 364.7 ± 12.5
mean 0.1367 ± 0.0005
sigma 0.01633 ± 0.00051
invariant mass sorted by South 455 tower (row: 21 , col: 16) by_Stower_455
Entries 6137
Mean 0.1921
RMS 0.08974
χ² / ndf 53.97 / 42
p0 41.36 ± 9.33
p1 0.004036 ± 0.005954
p2 0.1721 ± 0.0286
p3 1.243 ± 0.208
p4 250.4 ± 10.2
mean 0.1359 ± 0.0007
sigma 0.01807 ± 0.00074
invariant mass sorted by South 456 tower (row: 21 , col: 17) by_Stower_456
Entries 4236
Mean 0.1929
RMS 0.09193
χ² / ndf 32.01 / 41
p0 22.02 ± 2.92
p1 0.009576 ± 0.007063
p2 0.25 ± 0.17
p3 0.8607 ± 0.0912
p4 169.1 ± 8.4
mean 0.1351 ± 0.0008
sigma 0.01741 ± 0.00082
invariant mass sorted by South 457 tower (row: 21 , col: 18) by_Stower_457
Entries 4002
Mean 0.1889
RMS 0.09243
χ² / ndf 32.13 / 42
p0 22.87 ± 5.39
p1 −0.01139 ± 0.01650
p2 0.25 ± 0.05
p3 1.026 ± 0.181
p4 150.6 ± 7.2
mean 0.1354 ± 0.0009
sigma 0.01935 ± 0.00090
invariant mass sorted by South 458 tower (row: 21 , col: 19) by_Stower_458
Entries 3823
Mean 0.1938
RMS 0.09591
χ² / ndf 76.92 / 42
p0 16.21 ± 1.97
p1 0.009859 ± 0.002476
p2 0.25 ± 0.01
p3 0.8456 ± 0.0789
p4 124.1 ± 6.6
mean 0.1362 ± 0.0010
sigma 0.01973 ± 0.00102
invariant mass sorted by South 459 tower (row: 21 , col: 20) by_Stower_459
Entries 2905
Mean 0.191
RMS 0.09375
χ² / ndf 49.1 / 42
p0 10.66 ± 1.71
p1 0.005942 ± 0.006141
p2 0.25 ± 0.02
p3 0.8008 ± 0.1864
p4 84.09 ± 5.20
mean 0.1365 ± 0.0012
sigma 0.01952 ± 0.00115
invariant mass sorted by South 460 tower (row: 21 , col: 21) by_Stower_460
Entries 1916
Mean 0.2035
RMS 0.09765
χ² / ndf 57.52 / 42
p0 32.49 ± 17.96
p1 −0.06843 ± 0.06005
p2 0.25 ± 0.22
p3 2.047 ± 0.647
p4 51.31 ± 3.75
mean 0.1319 ± 0.0016
sigma 0.02294 ± 0.00157
invariant mass sorted by South 461 tower (row: 21 , col: 22)
mass_by_Stower_461
Entries 12
Mean 0.2157
RMS 0.1283
invariant mass [GeV]

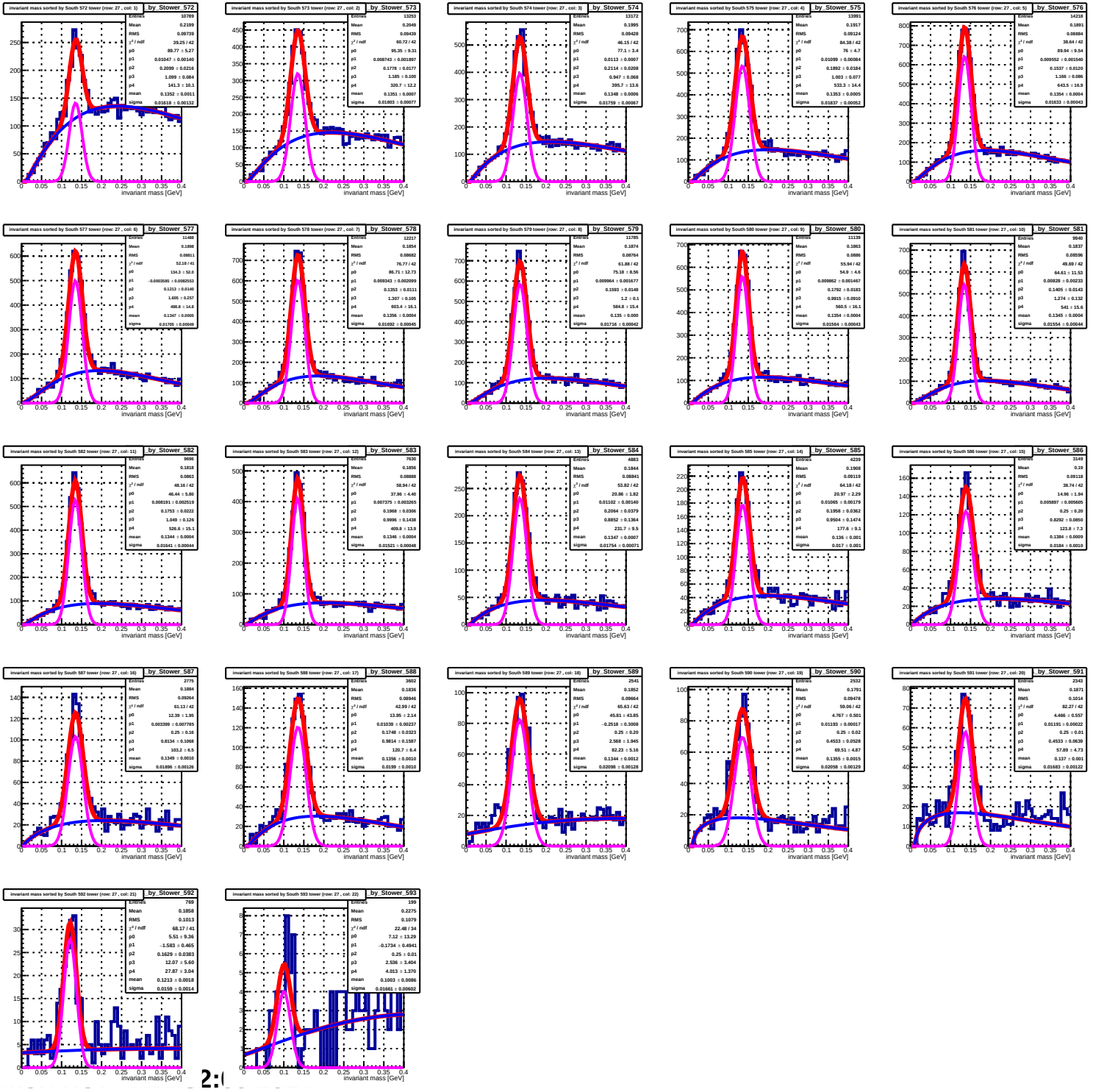

invariant mass sorted by South 462 tower (row: 22 , col: 1)
by_Stower_462
Entries 34369
Mean 0.2089
RMS 0.09671
χ² / ndf 50.57 / 42
p0 266.6 ± 12.0
p1 0.01028 ± 0.00071
p2 0.172 ± 0.008
p3 1.087 ± 0.045
p4 444.3 ± 17.2
mean 0.1332 ± 0.0008
sigma 0.02142 ± 0.00102
invariant mass sorted by South 463 tower (row: 22 , col: 2)
by_Stower_463
Entries 33498
Mean 0.2009
RMS 0.09284
χ² / ndf 74 / 42
p0 326.8 ± 30.5
p1 0.008068 ± 0.001119
p2 0.1328 ± 0.0063
p3 1.324 ± 0.065
p4 782.2 ± 20.6
mean 0.1352 ± 0.0005
sigma 0.01776 ± 0.00050
invariant mass sorted by South 464 tower (row: 22 , col: 3)
by_Stower_464
Entries 30164
Mean 0.1925
RMS 0.09065
χ² / ndf 49.36 / 42
p0 303.2 ± 31.0
p1 0.008237 ± 0.001191
p2 0.1176 ± 0.0050
p3 1.36 ± 0.06
p4 878.5 ± 21.7
mean 0.1343 ± 0.0004
sigma 0.01795 ± 0.00049
invariant mass sorted by South 465 tower (row: 22 , col: 4)
by_Stower_465
Entries 29101
Mean 0.1867
RMS 0.08724
χ² / ndf 72.69 / 42
p0 340.9 ± 38.8
p1 0.008782 ± 0.001108
p2 0.1053 ± 0.0042
p3 1.479 ± 0.066
p4 1133 ± 23.6
mean 0.1349 ± 0.0004
sigma 0.01759 ± 0.00039
invariant mass sorted by South 466 tower (row: 22 , col: 5)
by_Stower_466
Entries 26244
Mean 0.1881
RMS 0.08712
χ² / ndf 73.26 / 42
p0 359.4 ± 36.5
p1 0.009248 ± 0.001149
p2 0.1089 ± 0.0048
p3 1.486 ± 0.070
p4 1077 ± 22.0
mean 0.1355 ± 0.0003
sigma 0.01785 ± 0.00039
invariant mass sorted by South 467 tower (row: 22 , col: 6)
by_Stower_467
Entries 25689
Mean 0.1923
RMS 0.08743
χ² / ndf 75.63 / 42
p0 437.8 ± 56.4
p1 0.009027 ± 0.001360
p2 0.1012 ± 0.0041
p3 1.793 ± 0.073
p4 1046 ± 22.0
mean 0.1347 ± 0.0004
sigma 0.01698 ± 0.00039
invariant mass sorted by South 468 tower (row: 22 , col: 7)
by_Stower_468
Entries 24365
Mean 0.192
RMS 0.08763
χ² / ndf 67.32 / 42
p0 373.8 ± 54.2
p1 0.007585 ± 0.001620
p2 0.1054 ± 0.0048
p3 1.649 ± 0.085
p4 1043 ± 22.3
mean 0.1354 ± 0.0003
sigma 0.01627 ± 0.00037
invariant mass sorted by South 469 tower (row: 22 , col: 8)
by_Stower_469
Entries 19630
Mean 0.1946
RMS 0.08828
χ² / ndf 55.97 / 42
p0 367.3 ± 67.8
p1 0.005779 ± 0.002158
p2 0.104 ± 0.006
p3 1.768 ± 0.110
p4 808.2 ± 20.0
mean 0.1347 ± 0.0004
sigma 0.01651 ± 0.00042
invariant mass sorted by South 470 tower (row: 22 , col: 9)
by_Stower_470
Entries 15788
Mean 0.1954
RMS 0.08937
χ² / ndf 38.14 / 42
p0 268.8 ± 59.5
p1 0.00324 ± 0.00314
p2 0.1112 ± 0.0075
p3 1.72 ± 0.14
p4 643.1 ± 17.6
mean 0.1339 ± 0.0004
sigma 0.01667 ± 0.00046
invariant mass sorted by South 471 tower (row: 22 , col: 10)
by_Stower_471
Entries 13692
Mean 0.1941
RMS 0.08968
χ² / ndf 45.17 / 42
p0 156.6 ± 27.8
p1 0.006498 ± 0.002630
p2 0.1289 ± 0.0099
p3 1.482 ± 0.122
p4 598.4 ± 16.7
mean 0.1347 ± 0.0004
sigma 0.01663 ± 0.00046
invariant mass sorted by South 472 tower (row: 22 , col: 11)
by_Stower_472
Entries 11450
Mean 0.1952
RMS 0.09028
χ² / ndf 94.84 / 42
p0 105.5 ± 15.8
p1 0.008115 ± 0.002138
p2 0.1477 ± 0.0137
p3 1.343 ± 0.118
p4 534.8 ± 16.0
mean 0.1348 ± 0.0004
sigma 0.01579 ± 0.00046
invariant mass sorted by South 473 tower (row: 22 , col: 12)
by_Stower_473
Entries 10992
Mean 0.1936
RMS 0.08939
χ² / ndf 66.82 / 42
p0 102.6 ± 18.7
p1 0.007844 ± 0.002646
p2 0.1433 ± 0.0142
p3 1.392 ± 0.137
p4 505.1 ± 14.7
mean 0.1347 ± 0.0005
sigma 0.01655 ± 0.00048
invariant mass sorted by South 474 tower (row: 22 , col: 13)
by_Stower_474
Entries 9829
Mean 0.1936
RMS 0.08954
χ² / ndf 55.9 / 41
p0 69.12 ± 11.04
p1 0.01405 ± 0.00337
p2 0.154 ± 0.016
p3 1.206 ± 0.130
p4 450.9 ± 14.4
mean 0.1351 ± 0.0005
sigma 0.01561 ± 0.00047
invariant mass sorted by South 475 tower (row: 22 , col: 14)
by_Stower_475
Entries 9095
Mean 0.1935
RMS 0.09084
χ² / ndf 48.15 / 42
p0 60.8 ± 7.7
p1 0.007899 ± 0.002805
p2 0.1799 ± 0.0222
p3 1.162 ± 0.130
p4 409.2 ± 13.3
mean 0.1344 ± 0.0005
sigma 0.0162 ± 0.0005
invariant mass sorted by South 476 tower (row: 22 , col: 15)
by_Stower_476
Entries 8647
Mean 0.1931
RMS 0.09155
χ² / ndf 50.8 / 42
p0 47.32 ± 3.45
p1 0.008636 ± 0.002478
p2 0.222 ± 0.033
p3 0.9606 ± 0.1191
p4 366.1 ± 12.7
mean 0.1358 ± 0.0005
sigma 0.01655 ± 0.00050
invariant mass sorted by South 477 tower (row: 22 , col: 16)
by_Stower_477
Entries 6425
Mean 0.1919
RMS 0.09075
χ² / ndf 55.49 / 42
p0 34.23 ± 2.19
p1 0.01116 ± 0.00098
p2 0.25 ± 0.15
p3 0.8802 ± 0.0394
p4 291.7 ± 11.7
mean 0.136 ± 0.001
sigma 0.01654 ± 0.00063
invariant mass sorted by South 478 tower (row: 22 , col: 17)
by_Stower_478
Entries 4821
Mean 0.1892
RMS 0.09148
χ² / ndf 31.42 / 42
p0 24.74 ± 2.65
p1 0.005981 ± 0.004022
p2 0.25 ± 0.05
p3 0.8913 ± 0.0709
p4 220.4 ± 9.3
mean 0.1344 ± 0.0006
sigma 0.01659 ± 0.00064
invariant mass sorted by South 479 tower (row: 22 , col: 18)
by_Stower_479
Entries 4981
Mean 0.1901
RMS 0.0925
χ² / ndf 63.6 / 42
p0 22.28 ± 2.53
p1 0.009341 ± 0.002562
p2 0.25 ± 0.01
p3 0.9112 ± 0.0743
p4 188 ± 8.0
mean 0.1352 ± 0.0008
sigma 0.01889 ± 0.00074
invariant mass sorted by South 480 tower (row: 22 , col: 19)
by_Stower_480
Entries 3774
Mean 0.1906
RMS 0.09402
χ² / ndf 54.07 / 42
p0 16.01 ± 2.11
p1 0.006426 ± 0.004735
p2 0.25 ± 0.02
p3 0.8404 ± 0.0881
p4 133.4 ± 6.8
mean 0.1354 ± 0.0009
sigma 0.01741 ± 0.00084
invariant mass sorted by South 481 tower (row: 22 , col: 20)
by_Stower_481
Entries 2596
Mean 0.1997
RMS 0.09962
χ² / ndf 61.13 / 42
p0 47.83 ± 27.43
p1 -0.09506 ± 0.07258
p2 0.25 ± 0.16
p3 2.205 ± 0.738
p4 72.98 ± 4.89
mean 0.1344 ± 0.0013
sigma 0.02131 ± 0.00143
invariant mass sorted by South 482 tower (row: 22 , col: 21)
by_Stower_482
Entries 1985
Mean 0.194
RMS 0.09649
χ² / ndf 49.95 / 42
p0 10.68 ± 5.77
p1 -0.01626 ± 0.04100
p2 0.25 ± 0.04
p3 1.09 ± 0.43
p4 48.16 ± 3.84
mean 0.1337 ± 0.0018
sigma 0.02119 ± 0.00179
invariant mass sorted by South 483 tower (row: 22 , col: 22)
mass_by_Stower_483
Entries 20
Mean 0.2015
RMS 0.1253
invariant mass [GeV]

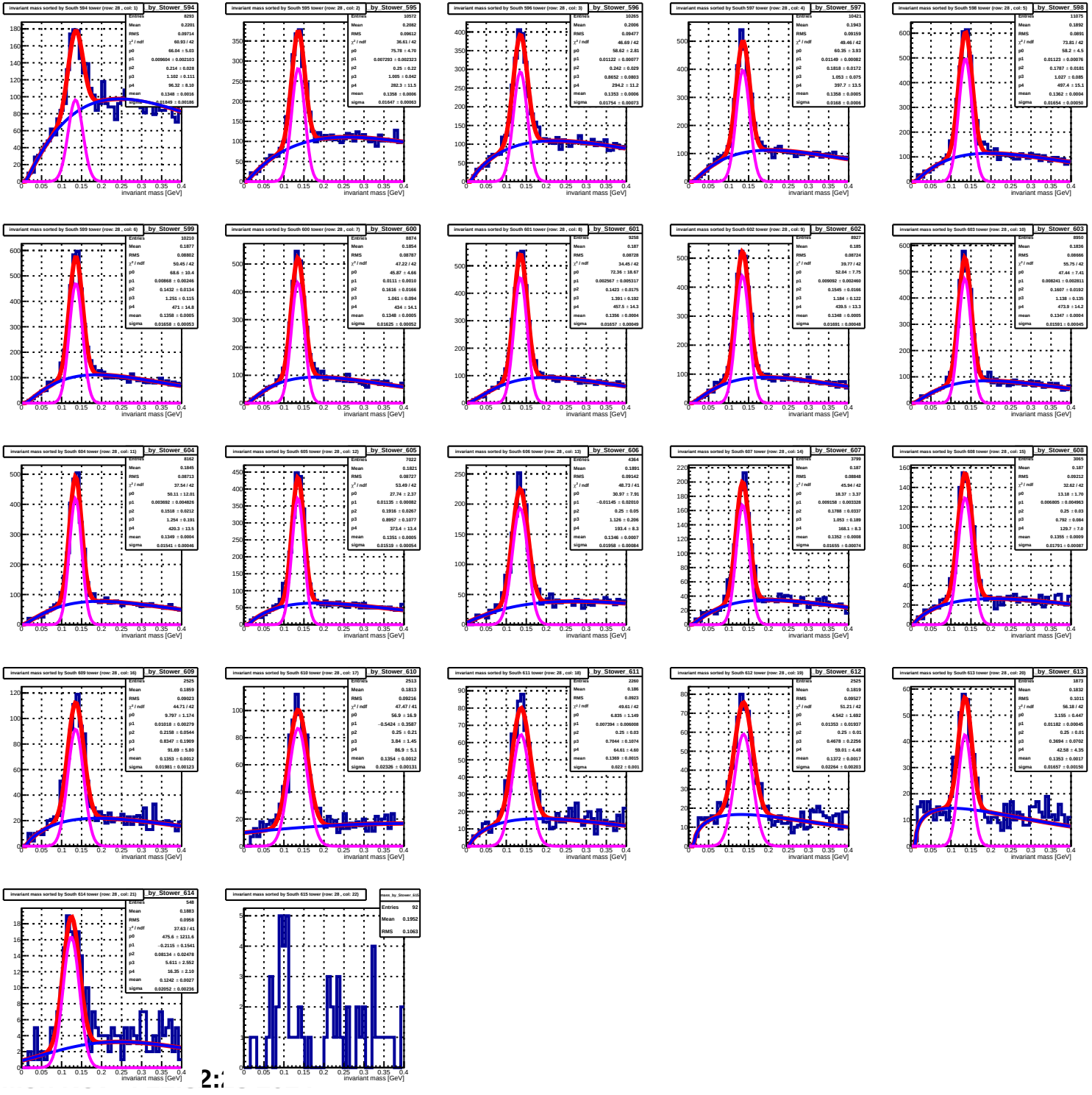

invariant mass sorted by South 484 tower (row: 23 , col: 1)
by_Stower_484
Entries 27179
Mean 0.2103
RMS 0.0964
χ² / ndf 29.26 / 42
p0 217.4 ± 11.9
p1 0.01039 ± 0.00076
p2 0.1682 ± 0.0092
p3 1.121 ± 0.052
p4 333.7 ± 15.0
mean 0.1337 ± 0.0009
sigma 0.02093 ± 0.00116
invariant mass sorted by South 485 tower (row: 23 , col: 2)
by_Stower_485
Entries 29943
Mean 0.2011
RMS 0.09215
χ² / ndf 49.61 / 42
p0 321.4 ± 35.4
p1 0.007067 ± 0.001476
p2 0.1286 ± 0.0065
p3 1.426 ± 0.075
p4 785.5 ± 20.2
mean 0.1351 ± 0.0004
sigma 0.01705 ± 0.00048
invariant mass sorted by South 486 tower (row: 23 , col: 3)
by_Stower_486
Entries 25376
Mean 0.1934
RMS 0.09179
χ² / ndf 74.51 / 42
p0 193.9 ± 17.6
p1 0.008612 ± 0.001163
p2 0.1355 ± 0.0068
p3 1.19 ± 0.06
p4 731.1 ± 19.9
mean 0.1349 ± 0.0005
sigma 0.01776 ± 0.00053
invariant mass sorted by South 487 tower (row: 23 , col: 4)
by_Stower_487
Entries 22080
Mean 0.1892
RMS 0.08927
χ² / ndf 62.4 / 42
p0 191.2 ± 19.2
p1 0.00979 ± 0.00102
p2 0.1227 ± 0.0060
p3 1.293 ± 0.065
p4 772.7 ± 19.5
mean 0.1347 ± 0.0004
sigma 0.01844 ± 0.00052
invariant mass sorted by South 488 tower (row: 23 , col: 5)
by_Stower_488
Entries 27762
Mean 0.1863
RMS 0.08536
χ² / ndf 88.4 / 42
p0 409.2 ± 60.6
p1 0.007718 ± 0.001614
p2 0.09879 ± 0.00425
p3 1.654 ± 0.084
p4 1237 ± 24.5
mean 0.1358 ± 0.0003
sigma 0.01712 ± 0.00036
invariant mass sorted by South 489 tower (row: 23 , col: 6)
by_Stower_489
Entries 25991
Mean 0.1891
RMS 0.08686
χ² / ndf 98.24 / 42
p0 342.6 ± 51.1
p1 0.006497 ± 0.001802
p2 0.1088 ± 0.0054
p3 1.593 ± 0.090
p4 1153 ± 23.3
mean 0.1361 ± 0.0003
sigma 0.01713 ± 0.00036
invariant mass sorted by South 490 tower (row: 23 , col: 7)
by_Stower_490
Entries 21476
Mean 0.1922
RMS 0.08797
χ² / ndf 72.42 / 42
p0 248.5 ± 31.8
p1 0.009338 ± 0.001551
p2 0.1185 ± 0.0062
p3 1.505 ± 0.082
p4 903.7 ± 20.2
mean 0.136 ± 0.000
sigma 0.01775 ± 0.00041
invariant mass sorted by South 491 tower (row: 23 , col: 8)
by_Stower_491
Entries 19374
Mean 0.1927
RMS 0.08853
χ² / ndf 73.92 / 42
p0 224 ± 32.6
p1 0.008372 ± 0.002033
p2 0.1229 ± 0.0074
p3 1.518 ± 0.096
p4 843 ± 19.0
mean 0.1352 ± 0.0004
sigma 0.01758 ± 0.00039
invariant mass sorted by South 492 tower (row: 23 , col: 9)
by_Stower_492
Entries 17150
Mean 0.192
RMS 0.08845
χ² / ndf 64.2 / 42
p0 173.3 ± 23.7
p1 0.009145 ± 0.001490
p2 0.1257 ± 0.0081
p3 1.435 ± 0.092
p4 790.9 ± 18.7
mean 0.1353 ± 0.0004
sigma 0.01593 ± 0.00038
invariant mass sorted by South 493 tower (row: 23 , col: 10)
by_Stower_493
Entries 14854
Mean 0.1916
RMS 0.08977
χ² / ndf 40.09 / 42
p0 112.2 ± 11.7
p1 0.008785 ± 0.001816
p2 0.1613 ± 0.0134
p3 1.225 ± 0.092
p4 736.2 ± 18.0
mean 0.1345 ± 0.0004
sigma 0.01636 ± 0.00038
invariant mass sorted by South 494 tower (row: 23 , col: 11)
by_Stower_494
Entries 12317
Mean 0.1925
RMS 0.08884
χ² / ndf 42.35 / 42
p0 111 ± 15.8
p1 0.009093 ± 0.002162
p2 0.1433 ± 0.0118
p3 1.382 ± 0.108
p4 603.2 ± 16.3
mean 0.1347 ± 0.0004
sigma 0.01644 ± 0.00042
invariant mass sorted by South 495 tower (row: 23 , col: 12)
by_Stower_495
Entries 11736
Mean 0.1897
RMS 0.08847
χ² / ndf 50.47 / 42
p0 93.97 ± 16.75
p1 0.006084 ± 0.003268
p2 0.1455 ± 0.0143
p3 1.338 ± 0.136
p4 601.3 ± 16.6
mean 0.1348 ± 0.0004
sigma 0.01556 ± 0.00042
invariant mass sorted by South 496 tower (row: 23 , col: 13)
by_Stower_496
Entries 10436
Mean 0.1908
RMS 0.08856
χ² / ndf 33.82 / 42
p0 72.4 ± 10.0
p1 0.00906 ± 0.00205
p2 0.155 ± 0.016
p3 1.239 ± 0.116
p4 503.8 ± 15.0
mean 0.1357 ± 0.0004
sigma 0.01574 ± 0.00044
invariant mass sorted by South 497 tower (row: 23 , col: 14)
by_Stower_497
Entries 9124
Mean 0.1932
RMS 0.09122
χ² / ndf 46.02 / 42
p0 54.42 ± 4.01
p1 0.009305 ± 0.002194
p2 0.2167 ± 0.0300
p3 1.022 ± 0.113
p4 418.1 ± 13.3
mean 0.1347 ± 0.0005
sigma 0.01617 ± 0.00047
invariant mass sorted by South 498 tower (row: 23 , col: 15)
by_Stower_498
Entries 6708
Mean 0.1936
RMS 0.09155
χ² / ndf 45.24 / 42
p0 38.64 ± 3.72
p1 0.009092 ± 0.002676
p2 0.2074 ± 0.0325
p3 1.009 ± 0.135
p4 280.9 ± 10.7
mean 0.1357 ± 0.0006
sigma 0.01672 ± 0.00060
invariant mass sorted by South 499 tower (row: 23 , col: 16)
by_Stower_499
Entries 4432
Mean 0.191
RMS 0.09116
χ² / ndf 39.87 / 42
p0 22.26 ± 1.75
p1 0.01101 ± 0.00115
p2 0.25 ± 0.04
p3 0.8238 ± 0.0477
p4 196.8 ± 8.8
mean 0.1359 ± 0.0007
sigma 0.01692 ± 0.00066
invariant mass sorted by South 500 tower (row: 23 , col: 17)
by_Stower_500
Entries 5010
Mean 0.1875
RMS 0.09027
χ² / ndf 54.8 / 42
p0 22.92 ± 2.58
p1 0.006156 ± 0.005472
p2 0.2327 ± 0.0486
p3 0.9013 ± 0.1917
p4 221.4 ± 9.6
mean 0.135 ± 0.001
sigma 0.01656 ± 0.00070
invariant mass sorted by South 501 tower (row: 23 , col: 18)
by_Stower_501
Entries 4807
Mean 0.1856
RMS 0.09223
χ² / ndf 54.19 / 42
p0 15.56 ± 1.16
p1 0.01169 ± 0.00044
p2 0.25 ± 0.01
p3 0.6677 ± 0.0412
p4 195.8 ± 9.2
mean 0.1364 ± 0.0007
sigma 0.01594 ± 0.00069
invariant mass sorted by South 502 tower (row: 23 , col: 19)
by_Stower_502
Entries 3946
Mean 0.1886
RMS 0.09447
χ² / ndf 49.02 / 41
p0 100.8 ± 45.4
p1 −0.3919 ± 0.3634
p2 0.25 ± 0.12
p3 3.485 ± 2.244
p4 141.1 ± 6.8
mean 0.1343 ± 0.0009
sigma 0.02053 ± 0.00091
invariant mass sorted by South 503 tower (row: 23 , col: 20)
by_Stower_503
Entries 2981
Mean 0.1935
RMS 0.09668
χ² / ndf 57.49 / 42
p0 41.24 ± 25.03
p1 −0.1413 ± 0.1123
p2 0.25 ± 0.22
p3 2.059 ± 0.825
p4 91.78 ± 5.58
mean 0.136 ± 0.001
sigma 0.01825 ± 0.00103
invariant mass sorted by South 504 tower (row: 23 , col: 21)
by_Stower_504
Entries 1826
Mean 0.2013
RMS 0.09695
χ² / ndf 65.43 / 41
p0 37.78 ± 27.24
p1 −0.1484 ± 0.1365
p2 0.25 ± 0.24
p3 2.472 ± 1.153
p4 49.12 ± 4.06
mean 0.1342 ± 0.0019
sigma 0.02235 ± 0.00189
invariant mass sorted by South 505 tower (row: 23 , col: 22)
mass_by_Stower_505
Entries 57
Mean 0.1992
RMS 0.1016
invariant mass [GeV]

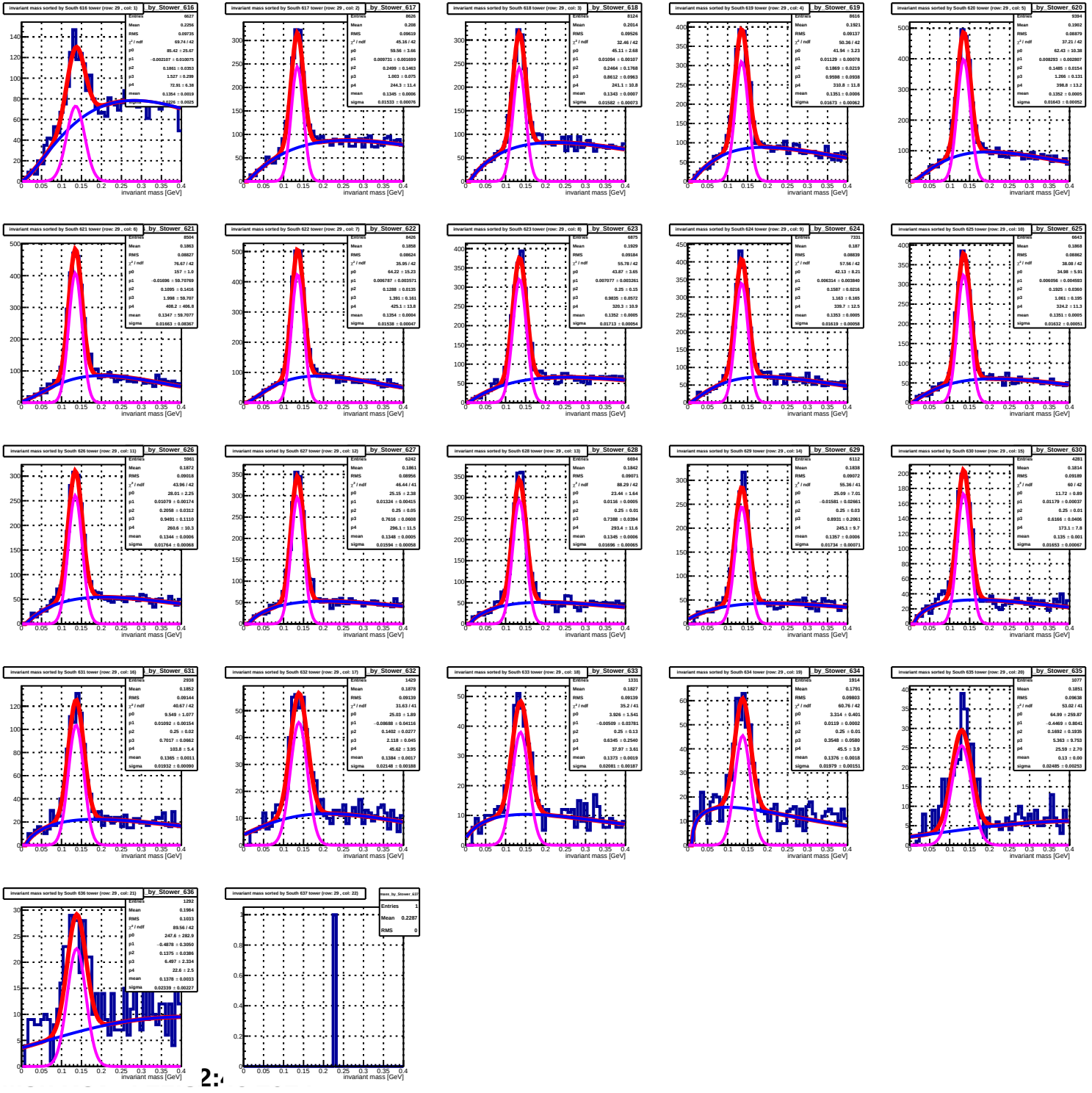

invariant mass sorted by South 506 tower (row: 24 , col: 1)
by_Stower_506
Entries 20891
Mean 0.2139
RMS 0.09737
χ² / ndf 36.95 / 42
p0 162.7 ± 5.8
p1 0.01145 ± 0.00045
p2 0.2008 ± 0.0135
p3 1.023 ± 0.050
p4 264.8 ± 13.2
mean 0.1331 ± 0.0010
sigma 0.02012 ± 0.00112
invariant mass sorted by South 507 tower (row: 24 , col: 2)
by_Stower_507
Entries 27682
Mean 0.2029
RMS 0.09346
χ² / ndf 63.86 / 42
p0 241.8 ± 24.1
p1 0.006726 ± 0.001754
p2 0.1534 ± 0.0098
p3 1.286 ± 0.081
p4 737.9 ± 19.0
mean 0.1351 ± 0.0004
sigma 0.01735 ± 0.00051
invariant mass sorted by South 508 tower (row: 24 , col: 3)
by_Stower_508
Entries 23036
Mean 0.1957
RMS 0.09248
χ² / ndf 77.87 / 42
p0 161.5 ± 10.3
p1 0.01137 ± 0.00048
p2 0.1462 ± 0.0074
p3 1.131 ± 0.050
p4 678 ± 17.1
mean 0.1347 ± 0.0005
sigma 0.01725 ± 0.00051
invariant mass sorted by South 509 tower (row: 24 , col: 4)
by_Stower_509
Entries 23019
Mean 0.1901
RMS 0.08849
χ² / ndf 59.48 / 42
p0 205 ± 25.7
p1 0.006905 ± 0.001724
p2 0.1266 ± 0.0069
p3 1.336 ± 0.083
p4 871.3 ± 19.3
mean 0.1349 ± 0.0004
sigma 0.01737 ± 0.00043
invariant mass sorted by South 510 tower (row: 24 , col: 5)
by_Stower_510
Entries 23744
Mean 0.1875
RMS 0.08732
χ² / ndf 56.09 / 42
p0 228.6 ± 26.3
p1 0.009524 ± 0.001297
p2 0.1177 ± 0.0058
p3 1.422 ± 0.072
p4 1018 ± 21.5
mean 0.1347 ± 0.0003
sigma 0.01759 ± 0.00038
invariant mass sorted by South 511 tower (row: 24 , col: 6)
by_Stower_511
Entries 27120
Mean 0.1852
RMS 0.08571
χ² / ndf 68.56 / 42
p0 264.4 ± 32.3
p1 0.009409 ± 0.001665
p2 0.1179 ± 0.0057
p3 1.472 ± 0.077
p4 1372 ± 23.9
mean 0.1344 ± 0.0003
sigma 0.01716 ± 0.00031
invariant mass sorted by South 512 tower (row: 24 , col: 7)
by_Stower_512
Entries 20075
Mean 0.1889
RMS 0.08749
χ² / ndf 63.03 / 42
p0 187.6 ± 27.7
p1 0.006314 ± 0.002342
p2 0.1303 ± 0.0085
p3 1.408 ± 0.101
p4 974.4 ± 20.4
mean 0.1361 ± 0.0003
sigma 0.01685 ± 0.00035
invariant mass sorted by South 513 tower (row: 24 , col: 8)
by_Stower_513
Entries 18222
Mean 0.1904
RMS 0.08813
χ² / ndf 60.26 / 42
p0 160 ± 20.0
p1 0.008437 ± 0.001906
p2 0.1382 ± 0.0092
p3 1.36 ± 0.09
p4 884.8 ± 19.6
mean 0.1356 ± 0.0003
sigma 0.01698 ± 0.00036
invariant mass sorted by South 514 tower (row: 24 , col: 9)
by_Stower_514
Entries 12942
Mean 0.1906
RMS 0.0885
χ² / ndf 57.79 / 42
p0 129.2 ± 23.2
p1 0.006643 ± 0.002642
p2 0.1294 ± 0.0104
p3 1.44 ± 0.12
p4 626 ± 17.1
mean 0.1348 ± 0.0004
sigma 0.01622 ± 0.00044
invariant mass sorted by South 515 tower (row: 24 , col: 10)
by_Stower_515
Entries 11598
Mean 0.1891
RMS 0.08733
χ² / ndf 41.82 / 42
p0 113.4 ± 22.4
p1 0.006373 ± 0.002791
p2 0.1284 ± 0.0111
p3 1.449 ± 0.135
p4 575.8 ± 15.9
mean 0.1354 ± 0.0004
sigma 0.01655 ± 0.00044
invariant mass sorted by South 516 tower (row: 24 , col: 11)
by_Stower_516
Entries 11701
Mean 0.1876
RMS 0.08718
χ² / ndf 28.89 / 42
p0 91.19 ± 14.10
p1 0.008446 ± 0.001970
p2 0.1385 ± 0.0110
p3 1.327 ± 0.112
p4 601.6 ± 16.0
mean 0.135 ± 0.000
sigma 0.01607 ± 0.00042
invariant mass sorted by South 517 tower (row: 24 , col: 12)
by_Stower_517
Entries 10921
Mean 0.1886
RMS 0.08878
χ² / ndf 61.84 / 42
p0 64.52 ± 5.28
p1 0.0104 ± 0.0014
p2 0.1824 ± 0.0184
p3 1.082 ± 0.090
p4 590.9 ± 15.7
mean 0.1348 ± 0.0004
sigma 0.01559 ± 0.00038
invariant mass sorted by South 518 tower (row: 24 , col: 13)
by_Stower_518
Entries 8789
Mean 0.1927
RMS 0.09032
χ² / ndf 64.99 / 42
p0 64.34 ± 11.66
p1 0.003852 ± 0.004907
p2 0.1762 ± 0.0244
p3 1.227 ± 0.173
p4 413.3 ± 13.4
mean 0.1351 ± 0.0005
sigma 0.01642 ± 0.00050
invariant mass sorted by South 519 tower (row: 24 , col: 14)
by_Stower_519
Entries 8406
Mean 0.1892
RMS 0.09013
χ² / ndf 21.9 / 42
p0 41.35 ± 2.45
p1 0.01014 ± 0.00171
p2 0.2362 ± 0.0347
p3 0.8665 ± 0.1088
p4 408.1 ± 13.3
mean 0.1351 ± 0.0005
sigma 0.01571 ± 0.00047
invariant mass sorted by South 520 tower (row: 24 , col: 15)
by_Stower_520
Entries 6081
Mean 0.1902
RMS 0.08991
χ² / ndf 54.76 / 42
p0 34.5 ± 5.6
p1 0.008191 ± 0.003287
p2 0.1875 ± 0.0313
p3 1.092 ± 0.162
p4 264.8 ± 10.7
mean 0.1352 ± 0.0006
sigma 0.01732 ± 0.00065
invariant mass sorted by South 521 tower (row: 24 , col: 16)
by_Stower_521
Entries 4439
Mean 0.1862
RMS 0.09011
χ² / ndf 41.01 / 42
p0 28.29 ± 10.37
p1 −0.002399 ± 0.010641
p2 0.163 ± 0.035
p3 1.203 ± 0.308
p4 189.9 ± 8.7
mean 0.1342 ± 0.0008
sigma 0.01728 ± 0.00081
invariant mass sorted by South 522 tower (row: 24 , col: 17)
by_Stower_522
Entries 3919
Mean 0.1897
RMS 0.08962
χ² / ndf 56.64 / 42
p0 21.39 ± 4.18
p1 0.008642 ± 0.003533
p2 0.1695 ± 0.0362
p3 1.131 ± 0.185
p4 171.6 ± 8.5
mean 0.136 ± 0.001
sigma 0.01665 ± 0.00078
invariant mass sorted by South 523 tower (row: 24 , col: 18)
by_Stower_523
Entries 3471
Mean 0.1865
RMS 0.09423
χ² / ndf 52.74 / 42
p0 12.09 ± 1.09
p1 0.01083 ± 0.00138
p2 0.25 ± 0.01
p3 0.6752 ± 0.0513
p4 132.9 ± 7.5
mean 0.1354 ± 0.0009
sigma 0.01685 ± 0.00086
invariant mass sorted by South 524 tower (row: 24 , col: 19)
by_Stower_524
Entries 3288
Mean 0.1853
RMS 0.0936
χ² / ndf 36.94 / 42
p0 10.61 ± 1.10
p1 0.009753 ± 0.002478
p2 0.25 ± 0.02
p3 0.6721 ± 0.0608
p4 126.3 ± 7.1
mean 0.1346 ± 0.0008
sigma 0.01556 ± 0.00076
invariant mass sorted by South 525 tower (row: 24 , col: 20)
by_Stower_525
Entries 2533
Mean 0.1976
RMS 0.09869
χ² / ndf 40.62 / 41
p0 36.2 ± 29.3
p1 −0.1499 ± 0.1585
p2 0.25 ± 0.18
p3 2.098 ± 1.133
p4 72.02 ± 5.56
mean 0.1367 ± 0.0011
sigma 0.01673 ± 0.00129
invariant mass sorted by South 526 tower (row: 24 , col: 21)
by_Stower_526
Entries 1593
Mean 0.2005
RMS 0.0955
χ² / ndf 29.81 / 42
p0 10.08 ± 5.10
p1 −0.009206 ± 0.033323
p2 0.2366 ± 0.2315
p3 1.095 ± 0.696
p4 40.35 ± 3.93
mean 0.1341 ± 0.0018
sigma 0.01907 ± 0.00174
invariant mass sorted by South 527 tower (row: 24 , col: 22)
mass_by_Stower_527
Entries 2
Mean 0.05825
RMS 0
invariant mass [GeV]

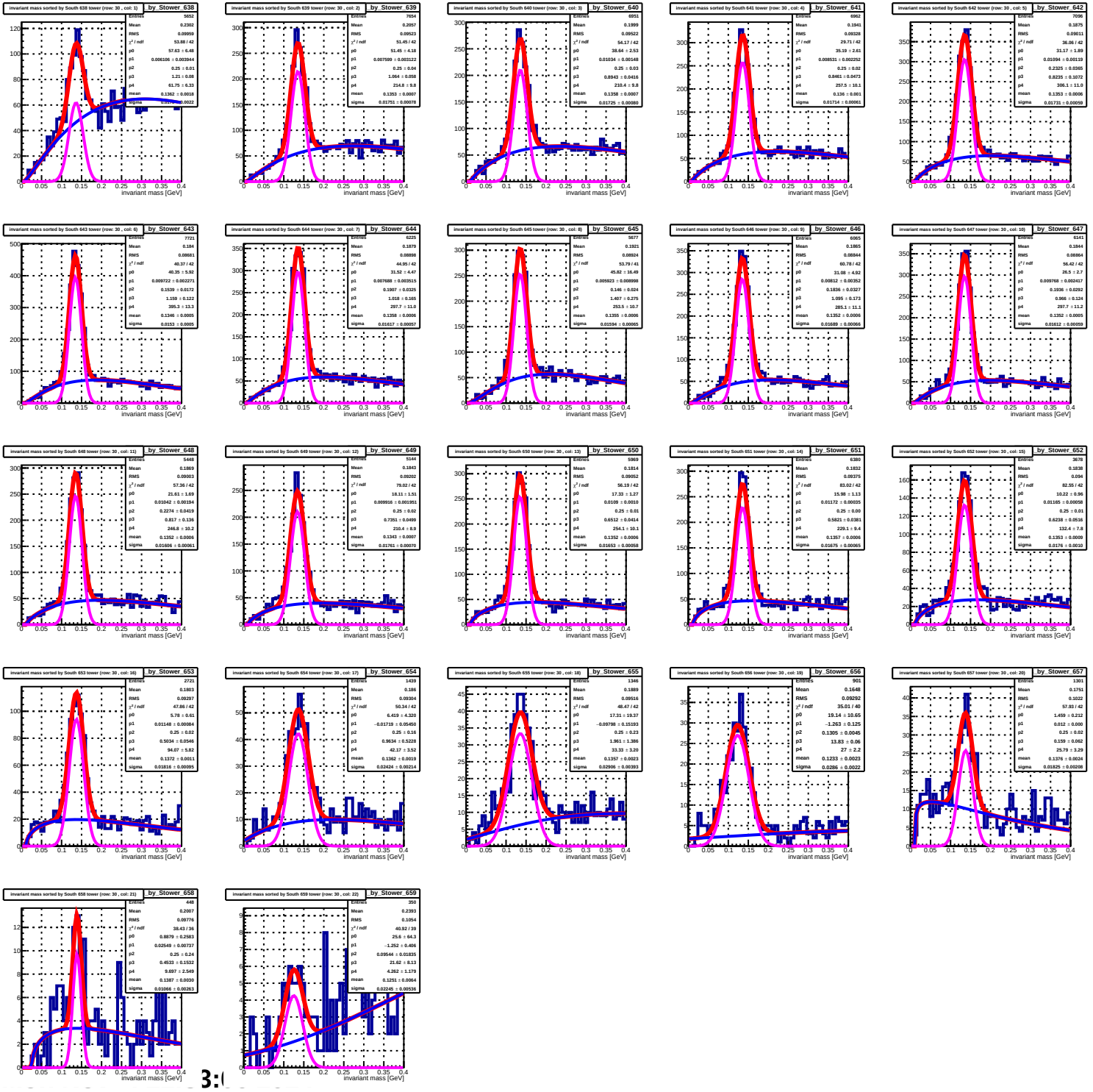

invariant mass sorted by South 528 tower (row: 25 , col: 1)
by_Stower_528
Entries 16397
Mean 0.2126
RMS 0.0965
χ² / ndf 42.35 / 42
p0 135.4 ± 10.0
p1 0.009879 ± 0.001264
p2 0.1733 ± 0.0129
p3 1.158 ± 0.073
p4 220.4 ± 12.3
mean 0.1323 ± 0.0011
sigma 0.01919 ± 0.00129
invariant mass sorted by South 529 tower (row: 25 , col: 2)
by_Stower_529
Entries 20121
Mean 0.2042
RMS 0.09429
χ² / ndf 47.58 / 42
p0 148.9 ± 12.2
p1 0.00853 ± 0.00153
p2 0.1758 ± 0.0138
p3 1.148 ± 0.082
p4 516.7 ± 16.4
mean 0.1353 ± 0.0005
sigma 0.01702 ± 0.00057
invariant mass sorted by South 530 tower (row: 25 , col: 3)
by_Stower_530
Entries 20914
Mean 0.1966
RMS 0.09329
χ² / ndf 52.42 / 42
p0 129.4 ± 6.7
p1 0.01108 ± 0.00066
p2 0.1728 ± 0.0108
p3 1.042 ± 0.053
p4 671.4 ± 18.2
mean 0.1346 ± 0.0004
sigma 0.01709 ± 0.00048
invariant mass sorted by South 531 tower (row: 25 , col: 4)
by_Stower_531
Entries 25728
Mean 0.1887
RMS 0.0883
χ² / ndf 81.97 / 42
p0 179.8 ± 13.9
p1 0.01085 ± 0.00086
p2 0.1408 ± 0.0074
p3 1.235 ± 0.058
p4 1110 ± 22.5
mean 0.1358 ± 0.0003
sigma 0.01764 ± 0.00038
invariant mass sorted by South 532 tower (row: 25 , col: 5)
by_Stower_532
Entries 22804
Mean 0.1868
RMS 0.08719
χ² / ndf 82.72 / 42
p0 196.8 ± 24.0
p1 0.008347 ± 0.001664
p2 0.1237 ± 0.0068
p3 1.387 ± 0.080
p4 1007 ± 21.4
mean 0.1354 ± 0.0003
sigma 0.01757 ± 0.00039
invariant mass sorted by South 533 tower (row: 25 , col: 6)
by_Stower_533
Entries 20199
Mean 0.1864
RMS 0.0868
χ² / ndf 55.75 / 42
p0 149.4 ± 15.6
p1 0.009852 ± 0.001203
p2 0.1359 ± 0.0081
p3 1.288 ± 0.075
p4 1032 ± 21.5
mean 0.1349 ± 0.0003
sigma 0.0162 ± 0.0003
invariant mass sorted by South 534 tower (row: 25 , col: 7)
by_Stower_534
Entries 17294
Mean 0.187
RMS 0.0869
χ² / ndf 60.91 / 42
p0 149.6 ± 20.5
p1 0.009075 ± 0.001567
p2 0.126 ± 0.008
p3 1.377 ± 0.091
p4 827.3 ± 18.9
mean 0.1352 ± 0.0004
sigma 0.01712 ± 0.00040
invariant mass sorted by South 535 tower (row: 25 , col: 8)
by_Stower_535
Entries 17902
Mean 0.1865
RMS 0.08615
χ² / ndf 58.19 / 42
p0 178.5 ± 28.7
p1 0.007755 ± 0.002109
p2 0.1187 ± 0.0075
p3 1.483 ± 0.102
p4 929.4 ± 20.2
mean 0.1351 ± 0.0003
sigma 0.01589 ± 0.00034
invariant mass sorted by South 536 tower (row: 25 , col: 9)
by_Stower_536
Entries 16084
Mean 0.188
RMS 0.08769
χ² / ndf 46.16 / 42
p0 126.5 ± 17.1
p1 0.00826 ± 0.00199
p2 0.14 ± 0.01
p3 1.33 ± 0.10
p4 805.1 ± 18.3
mean 0.1345 ± 0.0003
sigma 0.01659 ± 0.00037
invariant mass sorted by South 537 tower (row: 25 , col: 10)
by_Stower_537
Entries 15565
Mean 0.1847
RMS 0.08718
χ² / ndf 71.96 / 42
p0 94.92 ± 9.92
p1 0.01009 ± 0.00134
p2 0.147 ± 0.011
p3 1.193 ± 0.082
p4 826.4 ± 19.3
mean 0.1346 ± 0.0003
sigma 0.01598 ± 0.00036
invariant mass sorted by South 538 tower (row: 25 , col: 11)
by_Stower_538
Entries 13500
Mean 0.1866
RMS 0.08717
χ² / ndf 51.43 / 42
p0 81.24 ± 9.23
p1 0.008291 ± 0.002260
p2 0.1744 ± 0.0186
p3 1.159 ± 0.112
p4 736.6 ± 17.2
mean 0.1353 ± 0.0003
sigma 0.01656 ± 0.00035
invariant mass sorted by South 539 tower (row: 25 , col: 12)
by_Stower_539
Entries 9031
Mean 0.1862
RMS 0.08903
χ² / ndf 42.05 / 42
p0 45.25 ± 3.72
p1 0.008936 ± 0.002266
p2 0.2047 ± 0.0266
p3 0.9543 ± 0.1095
p4 455.3 ± 13.6
mean 0.1341 ± 0.0004
sigma 0.01662 ± 0.00047
invariant mass sorted by South 540 tower (row: 25 , col: 13)
by_Stower_540
Entries 10639
Mean 0.1861
RMS 0.08879
χ² / ndf 56.6 / 42
p0 52.07 ± 3.58
p1 0.0107 ± 0.0012
p2 0.2006 ± 0.0243
p3 0.9831 ± 0.0948
p4 550.8 ± 15.0
mean 0.1343 ± 0.0004
sigma 0.01624 ± 0.00043
invariant mass sorted by South 541 tower (row: 25 , col: 14)
by_Stower_541
Entries 8041
Mean 0.1904
RMS 0.09106
χ² / ndf 51.33 / 42
p0 42.2 ± 3.1
p1 0.008618 ± 0.002368
p2 0.25 ± 0.03
p3 0.8914 ± 0.0476
p4 406.6 ± 13.7
mean 0.1356 ± 0.0004
sigma 0.01512 ± 0.00046
invariant mass sorted by South 542 tower (row: 25 , col: 15)
by_Stower_542
Entries 5499
Mean 0.1836
RMS 0.08901
χ² / ndf 53.08 / 42
p0 23.86 ± 2.40
p1 0.008083 ± 0.003366
p2 0.2137 ± 0.0388
p3 0.8655 ± 0.1491
p4 248.3 ± 9.8
mean 0.1337 ± 0.0007
sigma 0.0183 ± 0.0007
invariant mass sorted by South 543 tower (row: 25 , col: 16)
mass_by_Stower_543
Entries 0
Mean 0
RMS 0
invariant mass sorted by South 544 tower (row: 25 , col: 17)
by_Stower_544
Entries 4690
Mean 0.183
RMS 0.09196
χ² / ndf 34.49 / 42
p0 17.06 ± 1.62
p1 0.008116 ± 0.003137
p2 0.25 ± 0.02
p3 0.6962 ± 0.0587
p4 189.7 ± 8.4
mean 0.1331 ± 0.0008
sigma 0.01803 ± 0.00077
invariant mass sorted by South 545 tower (row: 25 , col: 18)
by_Stower_545
Entries 4178
Mean 0.182
RMS 0.08987
χ² / ndf 39.61 / 42
p0 12.36 ± 1.09
p1 0.01035 ± 0.00179
p2 0.25 ± 0.03
p3 0.6673 ± 0.0584
p4 175.4 ± 8.5
mean 0.1355 ± 0.0007
sigma 0.01612 ± 0.00067
invariant mass sorted by South 546 tower (row: 25 , col: 19)
by_Stower_546
Entries 3208
Mean 0.1889
RMS 0.09656
χ² / ndf 81.07 / 42
p0 9.292 ± 1.093
p1 0.01122 ± 0.00120
p2 0.25 ± 0.01
p3 0.6677 ± 0.0679
p4 107.4 ± 6.7
mean 0.1351 ± 0.0011
sigma 0.01791 ± 0.00091
invariant mass sorted by South 547 tower (row: 25 , col: 20)
by_Stower_547
Entries 2404
Mean 0.1874
RMS 0.09544
χ² / ndf 40.94 / 42
p0 6.832 ± 0.863
p1 0.009896 ± 0.002843
p2 0.25 ± 0.03
p3 0.632 ± 0.074
p4 60.44 ± 4.85
mean 0.1345 ± 0.0015
sigma 0.01925 ± 0.00144
invariant mass sorted by South 548 tower (row: 25 , col: 21)
by_Stower_548
Entries 1399
Mean 0.1967
RMS 0.1012
χ² / ndf 42.72 / 42
p0 5.398 ± 1.159
p1 0.008537 ± 0.005804
p2 0.25 ± 0.02
p3 0.7246 ± 0.1376
p4 32.9 ± 3.7
mean 0.1334 ± 0.0022
sigma 0.01987 ± 0.00218
invariant mass sorted by South 549 tower (row: 25 , col: 22)
mass_by_Stower_549
Entries 4
Mean 0.3385
RMS 0.03989
invariant mass [GeV]

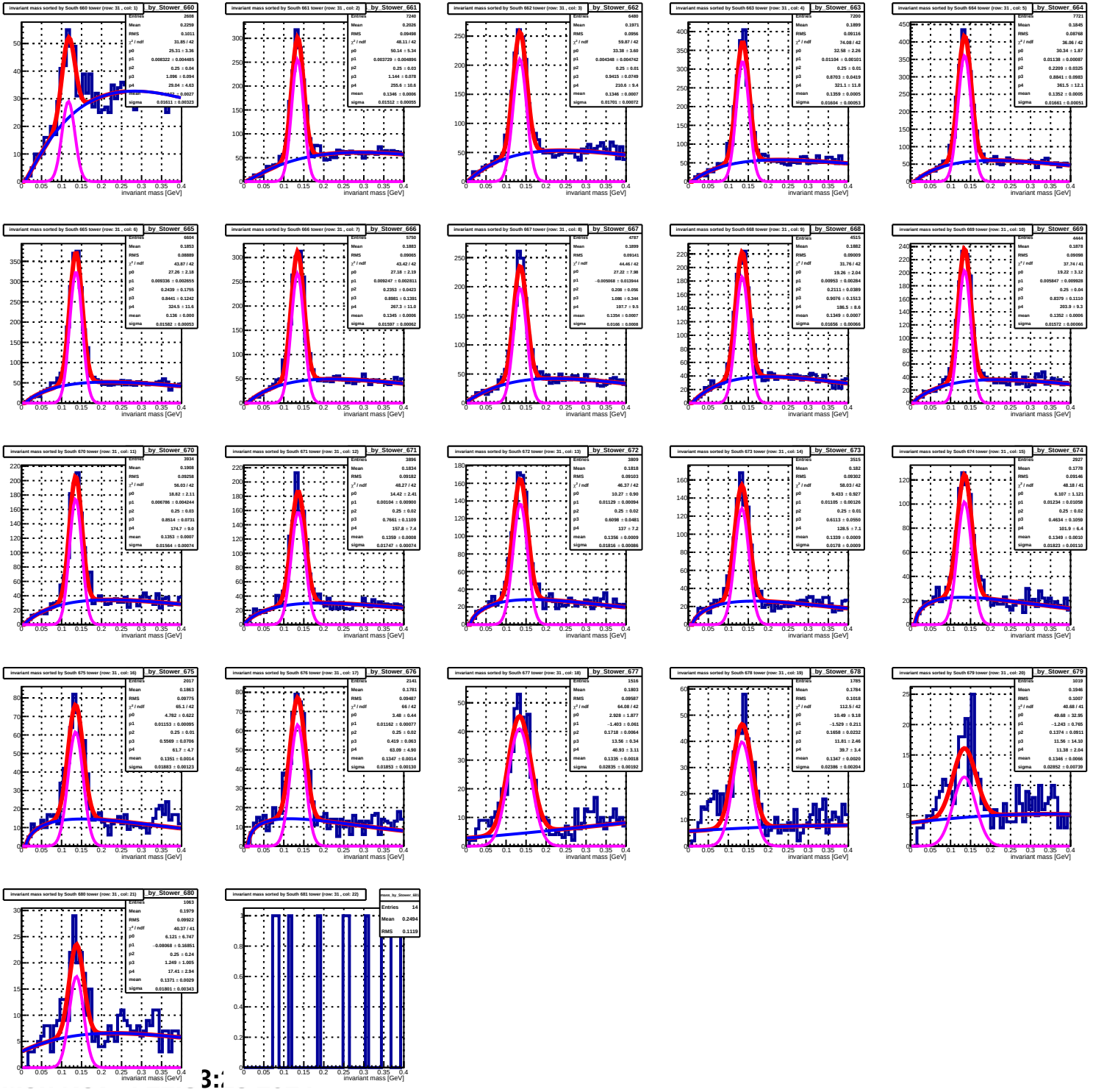

invariant mass sorted by South 550 tower (row: 26 , col: 1)
by_Stower_550
Entries 12919
Mean 0.2163
RMS 0.09734
χ² / ndf 49.18 / 42
p0 104.1 ± 6.9
p1 0.008997 ± 0.001788
p2 0.2056 ± 0.0215
p3 1.073 ± 0.091
p4 164.6 ± 10.6
mean 0.1353 ± 0.0012
sigma 0.01878 ± 0.00144
invariant mass sorted by South 551 tower (row: 26 , col: 2)
by_Stower_551
Entries 17936
Mean 0.204
RMS 0.09334
χ² / ndf 56.55 / 42
p0 144.7 ± 16.4
p1 0.007379 ± 0.002066
p2 0.1631 ± 0.0138
p3 1.261 ± 0.100
p4 518 ± 16.3
mean 0.1353 ± 0.0005
sigma 0.0158 ± 0.0005
invariant mass sorted by South 552 tower (row: 26 , col: 3)
by_Stower_552
Entries 18185
Mean 0.1959
RMS 0.09186
χ² / ndf 67.98 / 42
p0 118.2 ± 8.8
p1 0.01091 ± 0.00086
p2 0.1663 ± 0.0118
p3 1.134 ± 0.069
p4 628.2 ± 15.7
mean 0.134 ± 0.000
sigma 0.017 ± 0.000
invariant mass sorted by South 553 tower (row: 26 , col: 4)
by_Stower_553
Entries 20108
Mean 0.1875
RMS 0.08844
χ² / ndf 59.76 / 42
p0 121.2 ± 10.0
p1 0.009998 ± 0.001151
p2 0.157 ± 0.011
p3 1.157 ± 0.071
p4 912.6 ± 19.8
mean 0.1348 ± 0.0003
sigma 0.01736 ± 0.00037
invariant mass sorted by South 554 tower (row: 26 , col: 5)
by_Stower_554
Entries 19953
Mean 0.1858
RMS 0.08689
χ² / ndf 49.3 / 42
p0 119.7 ± 9.5
p1 0.01134 ± 0.00060
p2 0.1481 ± 0.0093
p3 1.168 ± 0.064
p4 975.4 ± 20.1
mean 0.1354 ± 0.0003
sigma 0.01669 ± 0.00034
invariant mass sorted by South 555 tower (row: 26 , col: 6)
by_Stower_555
Entries 21068
Mean 0.1837
RMS 0.08534
χ² / ndf 74.6 / 42
p0 151.6 ± 17.6
p1 0.009464 ± 0.001680
p2 0.1325 ± 0.0081
p3 1.335 ± 0.081
p4 1114 ± 21.4
mean 0.1356 ± 0.0003
sigma 0.01691 ± 0.00031
invariant mass sorted by South 556 tower (row: 26 , col: 7)
by_Stower_556
Entries 13265
Mean 0.1848
RMS 0.08608
χ² / ndf 49.21 / 42
p0 97.28 ± 15.36
p1 0.0092 ± 0.0016
p2 0.1306 ± 0.0106
p3 1.309 ± 0.108
p4 669.5 ± 17.2
mean 0.1349 ± 0.0004
sigma 0.01634 ± 0.00041
invariant mass sorted by South 557 tower (row: 26 , col: 8)
by_Stower_557
Entries 15931
Mean 0.1855
RMS 0.08639
χ² / ndf 51.75 / 42
p0 123.3 ± 16.8
p1 0.009095 ± 0.001900
p2 0.1336 ± 0.0096
p3 1.382 ± 0.096
p4 821.4 ± 18.3
mean 0.1345 ± 0.0003
sigma 0.01659 ± 0.00037
invariant mass sorted by South 558 tower (row: 26 , col: 9)
by_Stower_558
Entries 14937
Mean 0.1861
RMS 0.08661
χ² / ndf 61.03 / 42
p0 105.2 ± 14.1
p1 0.009229 ± 0.001562
p2 0.1408 ± 0.0112
p3 1.29 ± 0.10
p4 782.4 ± 18.4
mean 0.1349 ± 0.0003
sigma 0.016 ± 0.000
invariant mass sorted by South 559 tower (row: 26 , col: 10)
by_Stower_559
Entries 13608
Mean 0.1823
RMS 0.08712
χ² / ndf 70.87 / 42
p0 60.6 ± 4.0
p1 0.01086 ± 0.00090
p2 0.1804 ± 0.0163
p3 0.9624 ± 0.0746
p4 732.5 ± 17.4
mean 0.1345 ± 0.0003
sigma 0.01615 ± 0.00037
invariant mass sorted by South 560 tower (row: 26 , col: 11)
by_Stower_560
Entries 10311
Mean 0.184
RMS 0.08686
χ² / ndf 61.85 / 42
p0 58.14 ± 7.17
p1 0.009324 ± 0.001974
p2 0.1558 ± 0.0151
p3 1.155 ± 0.104
p4 557.8 ± 15.7
mean 0.1345 ± 0.0004
sigma 0.01591 ± 0.00042
invariant mass sorted by South 561 tower (row: 26 , col: 12)
by_Stower_561
Entries 9079
Mean 0.1866
RMS 0.08968
χ² / ndf 60.21 / 42
p0 43.88 ± 2.55
p1 0.01104 ± 0.00097
p2 0.2484 ± 0.1958
p3 0.8515 ± 0.0788
p4 475.1 ± 14.4
mean 0.1346 ± 0.0004
sigma 0.0163 ± 0.0005
invariant mass sorted by South 562 tower (row: 26 , col: 13)
by_Stower_562
Entries 8893
Mean 0.1838
RMS 0.08838
χ² / ndf 52.05 / 42
p0 38.22 ± 2.45
p1 0.009436 ± 0.002182
p2 0.2319 ± 0.0338
p3 0.8501 ± 0.1063
p4 460.4 ± 13.9
mean 0.1349 ± 0.0004
sigma 0.01631 ± 0.00047
invariant mass sorted by South 563 tower (row: 26 , col: 14)
by_Stower_563
Entries 6861
Mean 0.1873
RMS 0.09014
χ² / ndf 58.03 / 42
p0 30.07 ± 1.96
p1 0.01027 ± 0.00174
p2 0.2348 ± 0.0366
p3 0.8377 ± 0.1092
p4 328.6 ± 12.0
mean 0.1355 ± 0.0005
sigma 0.01589 ± 0.00054
invariant mass sorted by South 564 tower (row: 26 , col: 15)
by_Stower_564
Entries 5119
Mean 0.1862
RMS 0.08816
χ² / ndf 45.95 / 42
p0 23.14 ± 2.71
p1 0.01046 ± 0.00186
p2 0.1874 ± 0.0314
p3 0.9923 ± 0.1400
p4 217.7 ± 9.3
mean 0.136 ± 0.001
sigma 0.01815 ± 0.00076
invariant mass sorted by South 565 tower (row: 26 , col: 16)
by_Stower_565
Entries 3864
Mean 0.1822
RMS 0.09015
χ² / ndf 54.45 / 42
p0 13.06 ± 1.13
p1 0.01026 ± 0.00176
p2 0.25 ± 0.16
p3 0.6546 ± 0.0501
p4 160.2 ± 7.8
mean 0.135 ± 0.001
sigma 0.01923 ± 0.00087
invariant mass sorted by South 566 tower (row: 26 , col: 17)
by_Stower_566
Entries 3667
Mean 0.188
RMS 0.09204
χ² / ndf 40.38 / 42
p0 17.92 ± 3.50
p1 7.787e-05 ± 1.061e-02
p2 0.25 ± 0.02
p3 0.9983 ± 0.1403
p4 150.9 ± 7.4
mean 0.1359 ± 0.0008
sigma 0.0184 ± 0.0009
invariant mass sorted by South 567 tower (row: 26 , col: 18)
by_Stower_567
Entries 2912
Mean 0.1836
RMS 0.09531
χ² / ndf 61.24 / 42
p0 8.072 ± 0.799
p1 0.01119 ± 0.00112
p2 0.25 ± 0.01
p3 0.5687 ± 0.0541
p4 94.25 ± 6.64
mean 0.135 ± 0.001
sigma 0.01748 ± 0.00115
invariant mass sorted by South 568 tower (row: 26 , col: 19)
by_Stower_568
Entries 2738
Mean 0.1793
RMS 0.09269
χ² / ndf 48.92 / 42
p0 6.011 ± 0.657
p1 0.01135 ± 0.00103
p2 0.25 ± 0.01
p3 0.5168 ± 0.0582
p4 91.81 ± 5.94
mean 0.1356 ± 0.0011
sigma 0.01869 ± 0.00110
invariant mass sorted by South 569 tower (row: 26 , col: 20)
by_Stower_569
Entries 2431
Mean 0.1875
RMS 0.09724
χ² / ndf 46.65 / 42
p0 5.92 ± 0.63
p1 0.01177 ± 0.00045
p2 0.25 ± 0.02
p3 0.5355 ± 0.0566
p4 59.63 ± 5.05
mean 0.136 ± 0.001
sigma 0.01743 ± 0.00133
invariant mass sorted by South 570 tower (row: 26 , col: 21)
by_Stower_570
Entries 711
Mean 0.1744
RMS 0.1056
χ² / ndf 78.2 / 41
p0 1.439 ± 1.742
p1 -2.384 ± 0.746
p2 0.2367 ± 0.0236
p3 9.459 ± 1.605
p4 33.88 ± 3.88
mean 0.1133 ± 0.0013
sigma 0.01266 ± 0.00128
invariant mass sorted by South 571 tower (row: 26 , col: 22)
mass_by_Stower_571
Entries 17
Mean 0.1823
RMS 0.09427
invariant mass [GeV]

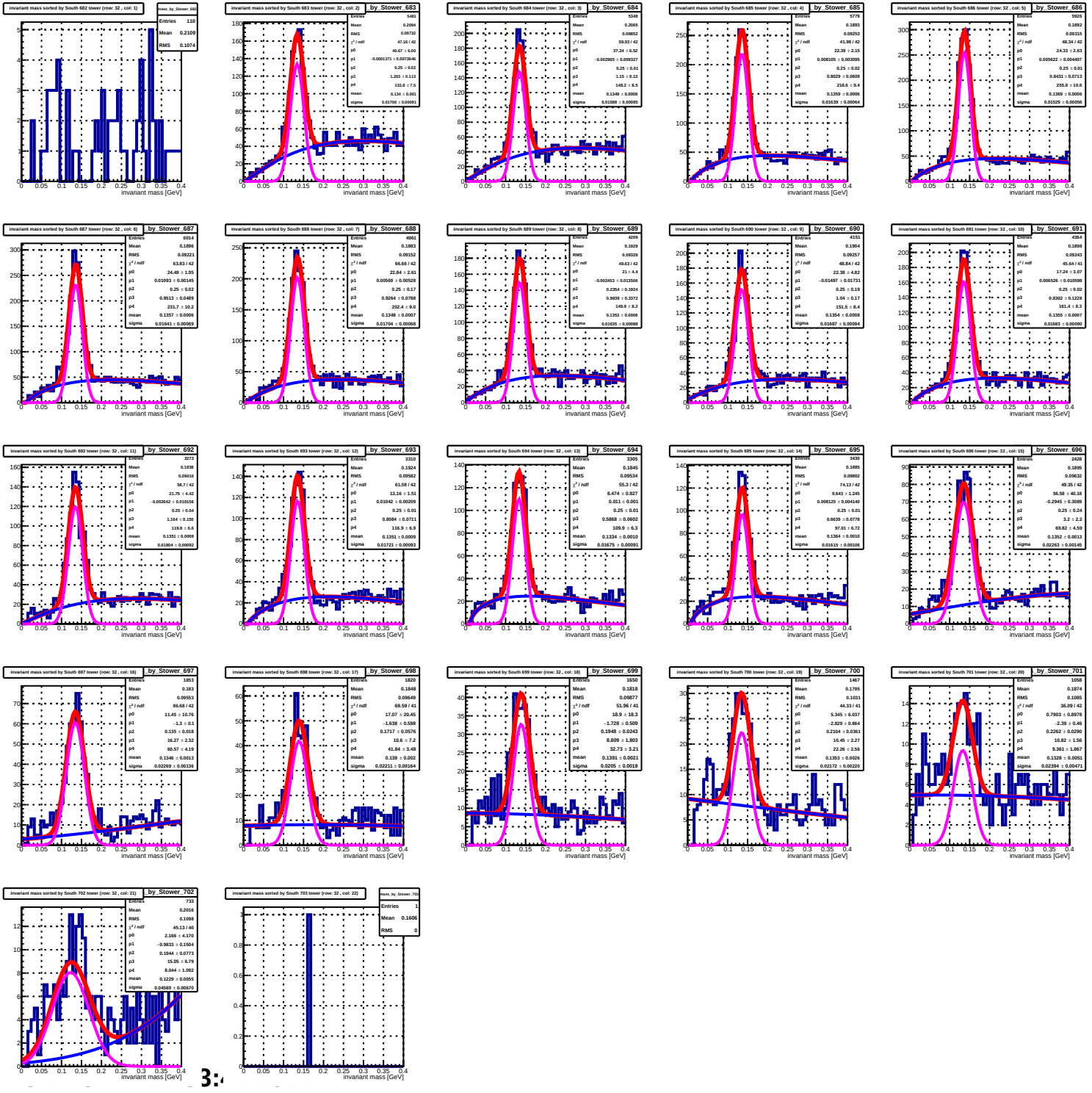

invariant mass sorted by South 572 tower (row: 27 , col: 1) by_Stower_572
Entries 10789
Mean 0.2199
RMS 0.09739
χ² / ndf 39.25 / 42
p0 89.77 ± 5.27
p1 0.01047 ± 0.00140
p2 0.2099 ± 0.0216
p3 1.099 ± 0.084
p4 141.3 ± 10.1
mean 0.1352 ± 0.0011
sigma 0.01818 ± 0.00132
invariant mass sorted by South 573 tower (row: 27 , col: 2) by_Stower_573
Entries 13253
Mean 0.2049
RMS 0.09439
χ² / ndf 60.72 / 42
p0 95.35 ± 9.31
p1 0.008743 ± 0.001897
p2 0.1778 ± 0.0177
p3 1.185 ± 0.100
p4 320.7 ± 12.2
mean 0.1351 ± 0.0007
sigma 0.01803 ± 0.00077
invariant mass sorted by South 574 tower (row: 27 , col: 3) by_Stower_574
Entries 13172
Mean 0.1995
RMS 0.09428
χ² / ndf 46.15 / 42
p0 77.1 ± 3.4
p1 0.0113 ± 0.0007
p2 0.2114 ± 0.0208
p3 0.947 ± 0.068
p4 395.7 ± 13.6
mean 0.1348 ± 0.0006
sigma 0.01759 ± 0.00067
invariant mass sorted by South 575 tower (row: 27 , col: 4) by_Stower_575
Entries 13991
Mean 0.1917
RMS 0.09124
χ² / ndf 84.38 / 42
p0 76 ± 4.7
p1 0.01099 ± 0.00084
p2 0.1892 ± 0.0184
p3 1.003 ± 0.077
p4 533.3 ± 14.4
mean 0.1353 ± 0.0005
sigma 0.01837 ± 0.00052
invariant mass sorted by South 576 tower (row: 27 , col: 5) by_Stower_576
Entries 14218
Mean 0.1891
RMS 0.08884
χ² / ndf 38.64 / 42
p0 89.94 ± 9.54
p1 0.009552 ± 0.001540
p2 0.1537 ± 0.0120
p3 1.166 ± 0.086
p4 643.5 ± 16.9
mean 0.1354 ± 0.0004
sigma 0.01633 ± 0.00043
invariant mass sorted by South 577 tower (row: 27 , col: 6) by_Stower_577
Entries 11488
Mean 0.1886
RMS 0.08811
χ² / ndf 52.18 / 41
p0 134.3 ± 52.0
p1 −0.0003585 ± 0.0082553
p2 0.1213 ± 0.0140
p3 1.495 ± 0.257
p4 498.8 ± 14.8
mean 0.1347 ± 0.0005
sigma 0.01705 ± 0.00049
invariant mass sorted by South 578 tower (row: 27 , col: 7) by_Stower_578
Entries 12217
Mean 0.1854
RMS 0.08682
χ² / ndf 76.77 / 42
p0 86.71 ± 12.73
p1 0.009343 ± 0.002099
p2 0.1353 ± 0.0111
p3 1.397 ± 0.109
p4 603.4 ± 16.1
mean 0.1356 ± 0.0004
sigma 0.01692 ± 0.00045
invariant mass sorted by South 579 tower (row: 27 , col: 8) by_Stower_579
Entries 11785
Mean 0.1874
RMS 0.08764
χ² / ndf 61.88 / 42
p0 75.18 ± 8.56
p1 0.009964 ± 0.001677
p2 0.1593 ± 0.0148
p3 1.2 ± 0.1
p4 584.8 ± 15.4
mean 0.135 ± 0.000
sigma 0.01716 ± 0.00042
invariant mass sorted by South 580 tower (row: 27 , col: 9) by_Stower_580
Entries 11139
Mean 0.1863
RMS 0.0886
χ² / ndf 55.94 / 42
p0 54.9 ± 4.6
p1 0.009862 ± 0.001467
p2 0.1792 ± 0.0183
p3 0.9915 ± 0.0859
p4 560.5 ± 16.1
mean 0.1354 ± 0.0004
sigma 0.01564 ± 0.00043
invariant mass sorted by South 581 tower (row: 27 , col: 10) by_Stower_581
Entries 9940
Mean 0.1837
RMS 0.08596
χ² / ndf 49.69 / 42
p0 64.61 ± 11.53
p1 0.00828 ± 0.00233
p2 0.1405 ± 0.0143
p3 1.274 ± 0.132
p4 541 ± 15.6
mean 0.1345 ± 0.0004
sigma 0.01554 ± 0.00044
invariant mass sorted by South 582 tower (row: 27 , col: 11) by_Stower_582
Entries 9696
Mean 0.1818
RMS 0.0863
χ² / ndf 48.16 / 42
p0 46.44 ± 5.80
p1 0.008191 ± 0.002519
p2 0.1753 ± 0.0222
p3 1.049 ± 0.126
p4 526.6 ± 15.1
mean 0.1344 ± 0.0004
sigma 0.01641 ± 0.00044
invariant mass sorted by South 583 tower (row: 27 , col: 12) by_Stower_583
Entries 7630
Mean 0.1856
RMS 0.08888
χ² / ndf 58.94 / 42
p0 37.98 ± 4.40
p1 0.007375 ± 0.003265
p2 0.1968 ± 0.0306
p3 0.9996 ± 0.1438
p4 409.8 ± 13.9
mean 0.1346 ± 0.0004
sigma 0.01521 ± 0.00048
invariant mass sorted by South 584 tower (row: 27 , col: 13) by_Stower_584
Entries 4883
Mean 0.1844
RMS 0.08941
χ² / ndf 53.82 / 42
p0 20.86 ± 1.82
p1 0.01102 ± 0.00140
p2 0.2064 ± 0.0379
p3 0.8852 ± 0.1364
p4 231.7 ± 9.5
mean 0.1347 ± 0.0007
sigma 0.01754 ± 0.00071
invariant mass sorted by South 585 tower (row: 27 , col: 14) by_Stower_585
Entries 4239
Mean 0.1908
RMS 0.09119
χ² / ndf 64.18 / 42
p0 20.97 ± 2.29
p1 0.01065 ± 0.00179
p2 0.1958 ± 0.0362
p3 0.9504 ± 0.1474
p4 177.6 ± 9.1
mean 0.136 ± 0.001
sigma 0.017 ± 0.001
invariant mass sorted by South 586 tower (row: 27 , col: 15) by_Stower_586
Entries 3149
Mean 0.19
RMS 0.09118
χ² / ndf 38.74 / 42
p0 14.96 ± 1.84
p1 0.005897 ± 0.005605
p2 0.25 ± 0.20
p3 0.8292 ± 0.0850
p4 123.8 ± 7.3
mean 0.1384 ± 0.0009
sigma 0.0184 ± 0.0014
invariant mass sorted by South 587 tower (row: 27 , col: 16) by_Stower_587
Entries 2775
Mean 0.1884
RMS 0.09264
χ² / ndf 61.13 / 42
p0 12.39 ± 1.95
p1 0.003399 ± 0.007785
p2 0.25 ± 0.16
p3 0.8134 ± 0.1068
p4 103.2 ± 6.5
mean 0.1349 ± 0.0010
sigma 0.01896 ± 0.00126
invariant mass sorted by South 588 tower (row: 27 , col: 17) by_Stower_588
Entries 3602
Mean 0.1836
RMS 0.08946
χ² / ndf 42.99 / 42
p0 13.95 ± 2.14
p1 0.01030 ± 0.00237
p2 0.1748 ± 0.0323
p3 0.9814 ± 0.1587
p4 120.7 ± 6.4
mean 0.1356 ± 0.0010
sigma 0.0199 ± 0.0010
invariant mass sorted by South 589 tower (row: 27 , col: 18) by_Stower_589
Entries 2541
Mean 0.1852
RMS 0.09664
χ² / ndf 65.63 / 42
p0 45.81 ± 43.85
p1 −0.2518 ± 0.3008
p2 0.25 ± 0.20
p3 2.568 ± 1.945
p4 82.23 ± 5.16
mean 0.1344 ± 0.0012
sigma 0.02098 ± 0.00128
invariant mass sorted by South 590 tower (row: 27 , col: 19) by_Stower_590
Entries 2532
Mean 0.1791
RMS 0.09478
χ² / ndf 59.06 / 42
p0 4.767 ± 0.501
p1 0.01193 ± 0.00017
p2 0.25 ± 0.02
p3 0.4533 ± 0.0528
p4 69.51 ± 4.87
mean 0.1355 ± 0.0015
sigma 0.02058 ± 0.00129
invariant mass sorted by South 591 tower (row: 27 , col: 20) by_Stower_591
Entries 2343
Mean 0.1871
RMS 0.1014
χ² / ndf 82.27 / 42
p0 4.466 ± 0.557
p1 0.01191 ± 0.00022
p2 0.25 ± 0.01
p3 0.4533 ± 0.0639
p4 57.89 ± 4.73
mean 0.137 ± 0.001
sigma 0.01683 ± 0.00122
invariant mass sorted by South 592 tower (row: 27 , col: 21) by_Stower_592
Entries 769
Mean 0.1858
RMS 0.1013
χ² / ndf 68.17 / 41
p0 5.51 ± 9.36
p1 −1.583 ± 0.465
p2 0.1629 ± 0.0383
p3 12.07 ± 5.60
p4 27.87 ± 3.04
mean 0.1213 ± 0.0018
sigma 0.0159 ± 0.0014
invariant mass sorted by South 593 tower (row: 27 , col: 22) by_Stower_593
Entries 199
Mean 0.2275
RMS 0.1079
χ² / ndf 22.48 / 34
p0 7.12 ± 13.29
p1 −0.1734 ± 0.4941
p2 0.25 ± 0.01
p3 2.536 ± 3.404
p4 4.013 ± 1.370
mean 0.1003 ± 0.0086
sigma 0.01661 ± 0.00602
invariant mass [GeV]

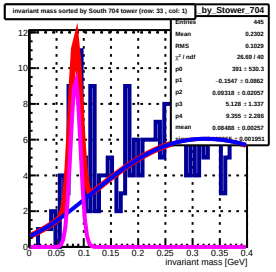

invariant mass sorted by South 594 tower (row: 28 , col: 1)
by_Stower_594
Entries 8293
Mean 0.2201
RMS 0.09714
χ² / ndf 60.93 / 42
p0 66.04 ± 5.03
p1 0.009604 ± 0.002103
p2 0.214 ± 0.028
p3 1.102 ± 0.111
p4 96.32 ± 8.10
mean 0.1348 ± 0.0016
sigma 0.01849 ± 0.00186
invariant mass sorted by South 595 tower (row: 28 , col: 2)
by_Stower_595
Entries 10572
Mean 0.2082
RMS 0.09612
χ² / ndf 36.61 / 42
p0 75.78 ± 4.70
p1 0.007293 ± 0.002323
p2 0.25 ± 0.22
p3 1.005 ± 0.042
p4 282.3 ± 11.5
mean 0.1358 ± 0.0006
sigma 0.01647 ± 0.00063
invariant mass sorted by South 596 tower (row: 28 , col: 3)
by_Stower_596
Entries 10265
Mean 0.2006
RMS 0.09477
χ² / ndf 46.65 / 42
p0 58.62 ± 2.81
p1 0.01122 ± 0.00077
p2 0.242 ± 0.029
p3 0.8652 ± 0.0803
p4 294.2 ± 11.2
mean 0.1353 ± 0.0006
sigma 0.01754 ± 0.00073
invariant mass sorted by South 597 tower (row: 28 , col: 4)
by_Stower_597
Entries 10421
Mean 0.1943
RMS 0.09159
χ² / ndf 49.46 / 42
p0 60.35 ± 3.93
p1 0.01149 ± 0.00082
p2 0.1818 ± 0.0172
p3 1.053 ± 0.075
p4 397.7 ± 13.5
mean 0.1358 ± 0.0005
sigma 0.0168 ± 0.0006
invariant mass sorted by South 598 tower (row: 28 , col: 5)
by_Stower_598
Entries 11075
Mean 0.1892
RMS 0.0891
χ² / ndf 73.81 / 42
p0 58.2 ± 4.5
p1 0.01123 ± 0.00076
p2 0.1787 ± 0.0181
p3 1.027 ± 0.085
p4 497.4 ± 15.1
mean 0.1362 ± 0.0004
sigma 0.01654 ± 0.00050
invariant mass sorted by South 599 tower (row: 28 , col: 6)
by_Stower_599
Entries 10210
Mean 0.1877
RMS 0.08802
χ² / ndf 50.45 / 42
p0 68.6 ± 10.4
p1 0.00868 ± 0.00246
p2 0.1432 ± 0.0134
p3 1.251 ± 0.115
p4 471 ± 14.8
mean 0.1358 ± 0.0005
sigma 0.01658 ± 0.00053
invariant mass sorted by South 600 tower (row: 28 , col: 7)
by_Stower_600
Entries 8974
Mean 0.1854
RMS 0.08787
χ² / ndf 47.22 / 42
p0 45.87 ± 4.66
p1 0.0111 ± 0.0010
p2 0.1616 ± 0.0166
p3 1.061 ± 0.094
p4 434 ± 14.1
mean 0.1348 ± 0.0005
sigma 0.01625 ± 0.00052
invariant mass sorted by South 601 tower (row: 28 , col: 8)
by_Stower_601
Entries 9258
Mean 0.187
RMS 0.08728
χ² / ndf 34.45 / 42
p0 72.36 ± 18.67
p1 0.002567 ± 0.005317
p2 0.1423 ± 0.0175
p3 1.391 ± 0.192
p4 457.5 ± 14.3
mean 0.1356 ± 0.0004
sigma 0.01657 ± 0.00049
invariant mass sorted by South 602 tower (row: 28 , col: 9)
by_Stower_602
Entries 8927
Mean 0.185
RMS 0.08724
χ² / ndf 39.77 / 42
p0 52.04 ± 7.75
p1 0.009092 ± 0.002460
p2 0.1545 ± 0.0166
p3 1.184 ± 0.122
p4 439.5 ± 13.3
mean 0.1348 ± 0.0005
sigma 0.01691 ± 0.00048
invariant mass sorted by South 603 tower (row: 28 , col: 10)
by_Stower_603
Entries 8950
Mean 0.1836
RMS 0.08666
χ² / ndf 55.75 / 42
p0 47.44 ± 7.41
p1 0.008241 ± 0.002811
p2 0.1607 ± 0.0192
p3 1.138 ± 0.135
p4 473.9 ± 14.2
mean 0.1347 ± 0.0004
sigma 0.01591 ± 0.00045
invariant mass sorted by South 604 tower (row: 28 , col: 11)
by_Stower_604
Entries 8162
Mean 0.1845
RMS 0.08713
χ² / ndf 37.54 / 42
p0 50.11 ± 12.01
p1 0.003692 ± 0.004826
p2 0.1518 ± 0.0212
p3 1.254 ± 0.191
p4 420.3 ± 13.5
mean 0.1349 ± 0.0004
sigma 0.01541 ± 0.00046
invariant mass sorted by South 605 tower (row: 28 , col: 12)
by_Stower_605
Entries 7022
Mean 0.1821
RMS 0.08727
χ² / ndf 53.49 / 42
p0 27.74 ± 2.37
p1 0.01135 ± 0.00082
p2 0.1916 ± 0.0267
p3 0.8957 ± 0.1077
p4 373.4 ± 13.4
mean 0.1351 ± 0.0005
sigma 0.01519 ± 0.00054
invariant mass sorted by South 606 tower (row: 28 , col: 13)
by_Stower_606
Entries 4364
Mean 0.1891
RMS 0.09142
χ² / ndf 48.73 / 41
p0 30.97 ± 7.91
p1 −0.01145 ± 0.02010
p2 0.25 ± 0.05
p3 1.126 ± 0.266
p4 193.4 ± 8.3
mean 0.1346 ± 0.0007
sigma 0.01958 ± 0.00084
invariant mass sorted by South 607 tower (row: 28 , col: 14)
by_Stower_607
Entries 3799
Mean 0.187
RMS 0.08848
χ² / ndf 45.94 / 42
p0 18.37 ± 1.37
p1 0.009158 ± 0.003328
p2 0.1788 ± 0.0337
p3 1.053 ± 0.189
p4 168.1 ± 8.3
mean 0.1352 ± 0.0008
sigma 0.01655 ± 0.00074
invariant mass sorted by South 608 tower (row: 28 , col: 15)
by_Stower_608
Entries 3065
Mean 0.187
RMS 0.09212
χ² / ndf 32.62 / 42
p0 13.18 ± 1.70
p1 0.006805 ± 0.004963
p2 0.25 ± 0.03
p3 0.792 ± 0.084
p4 129.7 ± 7.0
mean 0.1355 ± 0.0009
sigma 0.01791 ± 0.00087
invariant mass sorted by South 609 tower (row: 28 , col: 16)
by_Stower_609
Entries 2525
Mean 0.1859
RMS 0.09023
χ² / ndf 44.71 / 42
p0 9.797 ± 1.174
p1 0.01018 ± 0.00279
p2 0.2158 ± 0.0544
p3 0.8247 ± 0.1969
p4 91.69 ± 5.80
mean 0.1353 ± 0.0012
sigma 0.01981 ± 0.00123
invariant mass sorted by South 610 tower (row: 28 , col: 17)
by_Stower_610
Entries 2513
Mean 0.1813
RMS 0.09216
χ² / ndf 47.47 / 41
p0 56.9 ± 16.9
p1 −0.5424 ± 0.3587
p2 0.25 ± 0.21
p3 3.84 ± 1.45
p4 86.9 ± 5.1
mean 0.1354 ± 0.0012
sigma 0.02326 ± 0.00131
invariant mass sorted by South 611 tower (row: 28 , col: 18)
by_Stower_611
Entries 2260
Mean 0.186
RMS 0.0923
χ² / ndf 49.61 / 42
p0 6.835 ± 1.149
p1 0.007394 ± 0.006008
p2 0.25 ± 0.03
p3 0.7044 ± 0.1074
p4 64.61 ± 4.60
mean 0.1369 ± 0.0015
sigma 0.022 ± 0.001
invariant mass sorted by South 612 tower (row: 28 , col: 19)
by_Stower_612
Entries 2525
Mean 0.1819
RMS 0.09527
χ² / ndf 51.21 / 42
p0 4.542 ± 1.692
p1 0.01353 ± 0.01937
p2 0.25 ± 0.01
p3 0.4078 ± 0.2256
p4 59.01 ± 4.48
mean 0.1372 ± 0.0017
sigma 0.02264 ± 0.00203
invariant mass sorted by South 613 tower (row: 28 , col: 20)
by_Stower_613
Entries 1873
Mean 0.1832
RMS 0.1011
χ² / ndf 56.18 / 42
p0 3.155 ± 0.447
p1 0.01182 ± 0.00045
p2 0.25 ± 0.01
p3 0.3694 ± 0.0702
p4 42.58 ± 4.35
mean 0.1353 ± 0.0017
sigma 0.01657 ± 0.00150
invariant mass sorted by South 614 tower (row: 28 , col: 21)
by_Stower_614
Entries 548
Mean 0.1883
RMS 0.0958
χ² / ndf 37.63 / 41
p0 475.6 ± 1211.6
p1 −0.2115 ± 0.1541
p2 0.08134 ± 0.02478
p3 5.611 ± 2.552
p4 16.35 ± 2.10
mean 0.1242 ± 0.0027
sigma 0.02052 ± 0.00236
invariant mass sorted by South 615 tower (row: 28 , col: 22)
mass_by_Stower_615
Entries 92
Mean 0.1952
RMS 0.1063
invariant mass [GeV]

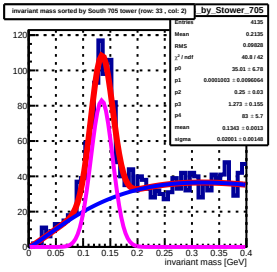

invariant mass sorted by South 616 tower (row: 29 , col: 1)
by_Stower_616
Entries 6627
Mean 0.2256
RMS 0.09735
χ² / ndf 69.74 / 42
p0 85.42 ± 25.67
p1 −0.002107 ± 0.010075
p2 0.1861 ± 0.0353
p3 1.527 ± 0.299
p4 72.91 ± 6.38
mean 0.1354 ± 0.0019
sigma 0.0276 ± 0.0025
invariant mass sorted by South 617 tower (row: 29 , col: 2)
by_Stower_617
Entries 8626
Mean 0.208
RMS 0.09619
χ² / ndf 45.16 / 42
p0 59.56 ± 3.66
p1 0.009731 ± 0.001699
p2 0.2499 ± 0.1463
p3 1.003 ± 0.075
p4 244.3 ± 11.4
mean 0.1345 ± 0.0006
sigma 0.01533 ± 0.00079
invariant mass sorted by South 618 tower (row: 29 , col: 3)
by_Stower_618
Entries 8124
Mean 0.2014
RMS 0.09526
χ² / ndf 32.46 / 42
p0 45.11 ± 2.68
p1 0.01094 ± 0.00107
p2 0.2464 ± 0.1768
p3 0.8612 ± 0.0963
p4 241.1 ± 10.8
mean 0.1345 ± 0.0007
sigma 0.01582 ± 0.00073
invariant mass sorted by South 619 tower (row: 29 , col: 4)
by_Stower_619
Entries 8616
Mean 0.1921
RMS 0.09137
χ² / ndf 50.36 / 42
p0 41.94 ± 3.23
p1 0.01129 ± 0.00078
p2 0.1869 ± 0.0219
p3 0.9588 ± 0.0938
p4 310.8 ± 11.8
mean 0.1351 ± 0.0006
sigma 0.01673 ± 0.00062
invariant mass sorted by South 620 tower (row: 29 , col: 5)
by_Stower_620
Entries 9394
Mean 0.1902
RMS 0.08879
χ² / ndf 37.21 / 42
p0 62.43 ± 10.38
p1 0.008293 ± 0.002807
p2 0.1485 ± 0.0154
p3 1.266 ± 0.131
p4 398.8 ± 13.2
mean 0.1352 ± 0.0005
sigma 0.01642 ± 0.00052
invariant mass sorted by South 621 tower (row: 29 , col: 6)
by_Stower_621
Entries 8504
Mean 0.1863
RMS 0.08827
χ² / ndf 76.67 / 42
p0 157 ± 1.0
p1 −0.01696 ± 59.70769
p2 0.1095 ± 0.1416
p3 1.998 ± 59.797
p4 408.2 ± 406.8
mean 0.1347 ± 59.7077
sigma 0.01663 ± 0.08367
invariant mass sorted by South 622 tower (row: 29 , col: 7)
by_Stower_622
Entries 8426
Mean 0.1858
RMS 0.08624
χ² / ndf 35.95 / 42
p0 64.22 ± 15.23
p1 0.006787 ± 0.003571
p2 0.1288 ± 0.0135
p3 1.391 ± 0.161
p4 425.1 ± 13.8
mean 0.1354 ± 0.0004
sigma 0.01538 ± 0.00047
invariant mass sorted by South 623 tower (row: 29 , col: 8)
by_Stower_623
Entries 6875
Mean 0.1929
RMS 0.09184
χ² / ndf 55.78 / 42
p0 43.87 ± 3.65
p1 0.007077 ± 0.003261
p2 0.25 ± 0.15
p3 0.9835 ± 0.0572
p4 320.3 ± 10.9
mean 0.1352 ± 0.0005
sigma 0.01713 ± 0.00054
invariant mass sorted by South 624 tower (row: 29 , col: 9)
by_Stower_624
Entries 7331
Mean 0.187
RMS 0.08839
χ² / ndf 57.56 / 42
p0 42.13 ± 8.21
p1 0.006314 ± 0.003840
p2 0.1587 ± 0.0216
p3 1.163 ± 0.165
p4 339.7 ± 12.5
mean 0.1353 ± 0.0005
sigma 0.01619 ± 0.00058
invariant mass sorted by South 625 tower (row: 29 , col: 10)
by_Stower_625
Entries 6643
Mean 0.1868
RMS 0.08862
χ² / ndf 38.08 / 42
p0 34.98 ± 5.91
p1 0.006056 ± 0.004593
p2 0.1925 ± 0.0360
p3 1.061 ± 0.185
p4 324.2 ± 11.3
mean 0.1351 ± 0.0005
sigma 0.01632 ± 0.00051
invariant mass sorted by South 626 tower (row: 29 , col: 11)
by_Stower_626
Entries 5961
Mean 0.1872
RMS 0.09018
χ² / ndf 43.96 / 42
p0 28.01 ± 2.25
p1 0.01079 ± 0.00174
p2 0.2058 ± 0.0312
p3 0.9491 ± 0.1110
p4 260.6 ± 10.3
mean 0.1344 ± 0.0006
sigma 0.01764 ± 0.00068
invariant mass sorted by South 627 tower (row: 29 , col: 12)
by_Stower_627
Entries 6242
Mean 0.1861
RMS 0.08956
χ² / ndf 46.44 / 41
p0 25.15 ± 2.38
p1 0.01324 ± 0.00415
p2 0.25 ± 0.05
p3 0.7616 ± 0.0608
p4 296.1 ± 11.5
mean 0.1348 ± 0.0005
sigma 0.01594 ± 0.00058
invariant mass sorted by South 628 tower (row: 29 , col: 13)
by_Stower_628
Entries 6694
Mean 0.1842
RMS 0.09071
χ² / ndf 88.29 / 42
p0 23.44 ± 1.64
p1 0.0116 ± 0.0005
p2 0.25 ± 0.01
p3 0.7388 ± 0.0394
p4 293.4 ± 11.6
mean 0.1345 ± 0.0006
sigma 0.01696 ± 0.00065
invariant mass sorted by South 629 tower (row: 29 , col: 14)
by_Stower_629
Entries 6112
Mean 0.1838
RMS 0.09072
χ² / ndf 55.36 / 41
p0 25.09 ± 7.01
p1 −0.01581 ± 0.02661
p2 0.25 ± 0.03
p3 0.8931 ± 0.2061
p4 245.1 ± 9.7
mean 0.1357 ± 0.0006
sigma 0.01734 ± 0.00071
invariant mass sorted by South 630 tower (row: 29 , col: 15)
by_Stower_630
Entries 4281
Mean 0.1814
RMS 0.09189
χ² / ndf 60 / 42
p0 11.72 ± 0.89
p1 0.01179 ± 0.00037
p2 0.25 ± 0.01
p3 0.6166 ± 0.0406
p4 173.1 ± 7.8
mean 0.135 ± 0.001
sigma 0.01653 ± 0.00067
invariant mass sorted by South 631 tower (row: 29 , col: 16)
by_Stower_631
Entries 2938
Mean 0.1852
RMS 0.09144
χ² / ndf 40.67 / 42
p0 9.549 ± 1.077
p1 0.01092 ± 0.00154
p2 0.25 ± 0.02
p3 0.7017 ± 0.0662
p4 103.8 ± 5.4
mean 0.1365 ± 0.0011
sigma 0.01932 ± 0.00090
invariant mass sorted by South 632 tower (row: 29 , col: 17)
by_Stower_632
Entries 1429
Mean 0.1878
RMS 0.09139
χ² / ndf 31.63 / 41
p0 25.03 ± 1.89
p1 −0.08688 ± 0.04116
p2 0.1402 ± 0.0277
p3 2.118 ± 0.045
p4 45.62 ± 3.95
mean 0.1384 ± 0.0017
sigma 0.02148 ± 0.00188
invariant mass sorted by South 633 tower (row: 29 , col: 18)
by_Stower_633
Entries 1331
Mean 0.1827
RMS 0.09139
χ² / ndf 35.2 / 41
p0 3.926 ± 1.541
p1 −0.00509 ± 0.03781
p2 0.25 ± 0.13
p3 0.6345 ± 0.2540
p4 37.97 ± 3.61
mean 0.1373 ± 0.0019
sigma 0.02081 ± 0.00187
invariant mass sorted by South 634 tower (row: 29 , col: 19)
by_Stower_634
Entries 1914
Mean 0.1791
RMS 0.09803
χ² / ndf 60.76 / 42
p0 3.314 ± 0.401
p1 0.0119 ± 0.0002
p2 0.25 ± 0.01
p3 0.3548 ± 0.0580
p4 45.5 ± 3.9
mean 0.1376 ± 0.0018
sigma 0.01979 ± 0.00151
invariant mass sorted by South 635 tower (row: 29 , col: 20)
by_Stower_635
Entries 1077
Mean 0.1851
RMS 0.09638
χ² / ndf 53.02 / 41
p0 64.99 ± 259.87
p1 −0.4469 ± 0.8041
p2 0.1692 ± 0.1935
p3 5.363 ± 9.753
p4 25.59 ± 2.70
mean 0.13 ± 0.00
sigma 0.02485 ± 0.00253
invariant mass sorted by South 636 tower (row: 29 , col: 21)
by_Stower_636
Entries 1292
Mean 0.1984
RMS 0.1033
χ² / ndf 89.56 / 42
p0 247.6 ± 282.9
p1 −0.4878 ± 0.3059
p2 0.1375 ± 0.0386
p3 6.497 ± 2.334
p4 22.6 ± 2.5
mean 0.1378 ± 0.0033
sigma 0.02339 ± 0.00227
invariant mass sorted by South 637 tower (row: 29 , col: 22)
mass_by_Stower_637
Entries 1
Mean 0.2287
RMS 0
invariant mass [GeV]

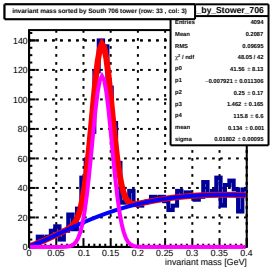

invariant mass sorted by South 638 tower (row: 30 , col: 1) by_Stower_638
Entries 5652
Mean 0.2302
RMS 0.09959
χ² / ndf 53.88 / 42
p0 57.63 ± 6.48
p1 0.006106 ± 0.003944
p2 0.25 ± 0.01
p3 1.21 ± 0.08
p4 61.75 ± 6.33
mean 0.1362 ± 0.0018
sigma 0.02022 ± 0.0022
invariant mass sorted by South 639 tower (row: 30 , col: 2) by_Stower_639
Entries 7654
Mean 0.2057
RMS 0.09523
χ² / ndf 51.45 / 42
p0 51.45 ± 4.18
p1 0.007599 ± 0.003122
p2 0.25 ± 0.04
p3 1.064 ± 0.058
p4 214.8 ± 9.8
mean 0.1353 ± 0.0007
sigma 0.01751 ± 0.00078
invariant mass sorted by South 640 tower (row: 30 , col: 3) by_Stower_640
Entries 6951
Mean 0.1999
RMS 0.09522
χ² / ndf 54.17 / 42
p0 38.64 ± 2.53
p1 0.01034 ± 0.00148
p2 0.25 ± 0.03
p3 0.8943 ± 0.0416
p4 210.4 ± 9.8
mean 0.1358 ± 0.0007
sigma 0.01725 ± 0.00080
invariant mass sorted by South 641 tower (row: 30 , col: 4) by_Stower_641
Entries 6962
Mean 0.1941
RMS 0.09328
χ² / ndf 29.71 / 42
p0 35.19 ± 2.61
p1 0.008531 ± 0.002252
p2 0.25 ± 0.02
p3 0.8461 ± 0.0473
p4 257.5 ± 10.1
mean 0.136 ± 0.001
sigma 0.01714 ± 0.00061
invariant mass sorted by South 642 tower (row: 30 , col: 5) by_Stower_642
Entries 7096
Mean 0.1875
RMS 0.09011
χ² / ndf 36.06 / 42
p0 31.17 ± 1.89
p1 0.01094 ± 0.00119
p2 0.2325 ± 0.0365
p3 0.8235 ± 0.1072
p4 306.1 ± 11.0
mean 0.1353 ± 0.0006
sigma 0.01731 ± 0.00058
invariant mass sorted by South 643 tower (row: 30 , col: 6) by_Stower_643
Entries 7721
Mean 0.184
RMS 0.08681
χ² / ndf 40.37 / 42
p0 40.35 ± 5.92
p1 0.009722 ± 0.002271
p2 0.1539 ± 0.0172
p3 1.159 ± 0.122
p4 395.3 ± 13.3
mean 0.1346 ± 0.0005
sigma 0.0153 ± 0.0005
invariant mass sorted by South 644 tower (row: 30 , col: 7) by_Stower_644
Entries 6225
Mean 0.1879
RMS 0.08898
χ² / ndf 44.95 / 42
p0 31.52 ± 4.47
p1 0.007688 ± 0.003515
p2 0.1907 ± 0.0325
p3 1.018 ± 0.165
p4 297.7 ± 11.0
mean 0.1358 ± 0.0006
sigma 0.01617 ± 0.00057
invariant mass sorted by South 645 tower (row: 30 , col: 8) by_Stower_645
Entries 5677
Mean 0.1921
RMS 0.08924
χ² / ndf 53.79 / 41
p0 45.82 ± 16.49
p1 0.005923 ± 0.008998
p2 0.146 ± 0.024
p3 1.407 ± 0.275
p4 253.5 ± 10.7
mean 0.1355 ± 0.0006
sigma 0.01594 ± 0.00065
invariant mass sorted by South 646 tower (row: 30 , col: 9) by_Stower_646
Entries 6065
Mean 0.1865
RMS 0.08844
χ² / ndf 60.78 / 42
p0 31.08 ± 4.92
p1 0.00812 ± 0.00352
p2 0.1836 ± 0.0327
p3 1.095 ± 0.173
p4 285.1 ± 11.1
mean 0.1352 ± 0.0006
sigma 0.01689 ± 0.00066
invariant mass sorted by South 647 tower (row: 30 , col: 10) by_Stower_647
Entries 6141
Mean 0.1844
RMS 0.08864
χ² / ndf 56.42 / 42
p0 26.5 ± 2.7
p1 0.009768 ± 0.002417
p2 0.1936 ± 0.0292
p3 0.866 ± 0.124
p4 297.7 ± 11.2
mean 0.1352 ± 0.0005
sigma 0.01612 ± 0.00059
invariant mass sorted by South 648 tower (row: 30 , col: 11) by_Stower_648
Entries 5448
Mean 0.1869
RMS 0.09003
χ² / ndf 57.36 / 42
p0 21.61 ± 1.69
p1 0.01042 ± 0.00194
p2 0.2274 ± 0.0419
p3 0.817 ± 0.136
p4 246.8 ± 10.2
mean 0.1352 ± 0.0006
sigma 0.01606 ± 0.00061
invariant mass sorted by South 649 tower (row: 30 , col: 12) by_Stower_649
Entries 5144
Mean 0.1843
RMS 0.09202
χ² / ndf 79.02 / 42
p0 18.11 ± 1.51
p1 0.009916 ± 0.001951
p2 0.25 ± 0.02
p3 0.7351 ± 0.0499
p4 210.4 ± 8.9
mean 0.1343 ± 0.0007
sigma 0.01761 ± 0.00070
invariant mass sorted by South 650 tower (row: 30 , col: 13) by_Stower_650
Entries 5969
Mean 0.1814
RMS 0.09052
χ² / ndf 56.19 / 42
p0 17.33 ± 1.27
p1 0.0109 ± 0.0010
p2 0.25 ± 0.01
p3 0.6512 ± 0.0414
p4 254.1 ± 10.1
mean 0.1352 ± 0.0006
sigma 0.01653 ± 0.00058
invariant mass sorted by South 651 tower (row: 30 , col: 14) by_Stower_651
Entries 6389
Mean 0.1832
RMS 0.09375
χ² / ndf 83.02 / 42
p0 15.98 ± 1.13
p1 0.01172 ± 0.00035
p2 0.25 ± 0.00
p3 0.5821 ± 0.0381
p4 229.1 ± 9.4
mean 0.1357 ± 0.0006
sigma 0.01675 ± 0.00065
invariant mass sorted by South 652 tower (row: 30 , col: 15) by_Stower_652
Entries 3678
Mean 0.1838
RMS 0.094
χ² / ndf 92.55 / 42
p0 10.22 ± 0.96
p1 0.01165 ± 0.00058
p2 0.25 ± 0.01
p3 0.6238 ± 0.0516
p4 132.4 ± 7.8
mean 0.1353 ± 0.0009
sigma 0.0176 ± 0.0010
invariant mass sorted by South 653 tower (row: 30 , col: 16) by_Stower_653
Entries 2721
Mean 0.1803
RMS 0.09297
χ² / ndf 47.86 / 42
p0 5.78 ± 0.61
p1 0.01148 ± 0.00084
p2 0.25 ± 0.02
p3 0.5034 ± 0.0546
p4 94.07 ± 5.82
mean 0.1372 ± 0.0011
sigma 0.01816 ± 0.00095
invariant mass sorted by South 654 tower (row: 30 , col: 17) by_Stower_654
Entries 1439
Mean 0.186
RMS 0.09304
χ² / ndf 50.34 / 42
p0 6.419 ± 4.320
p1 −0.01719 ± 0.05450
p2 0.25 ± 0.16
p3 0.9634 ± 0.5228
p4 42.17 ± 3.52
mean 0.1362 ± 0.0019
sigma 0.02424 ± 0.00214
invariant mass sorted by South 655 tower (row: 30 , col: 18) by_Stower_655
Entries 1346
Mean 0.1889
RMS 0.09516
χ² / ndf 48.47 / 42
p0 17.31 ± 19.37
p1 −0.09798 ± 0.15193
p2 0.25 ± 0.23
p3 1.861 ± 1.386
p4 33.33 ± 3.20
mean 0.1357 ± 0.0023
sigma 0.02906 ± 0.00393
invariant mass sorted by South 656 tower (row: 30 , col: 19) by_Stower_656
Entries 901
Mean 0.1648
RMS 0.09292
χ² / ndf 35.01 / 40
p0 19.14 ± 10.65
p1 −1.263 ± 0.125
p2 0.1305 ± 0.0045
p3 13.83 ± 0.06
p4 27 ± 2.2
mean 0.1233 ± 0.0023
sigma 0.0286 ± 0.0022
invariant mass sorted by South 657 tower (row: 30 , col: 20) by_Stower_657
Entries 1301
Mean 0.1751
RMS 0.1022
χ² / ndf 57.93 / 42
p0 1.459 ± 0.212
p1 0.012 ± 0.000
p2 0.25 ± 0.02
p3 0.159 ± 0.062
p4 25.79 ± 3.29
mean 0.1376 ± 0.0024
sigma 0.01825 ± 0.00208
invariant mass sorted by South 658 tower (row: 30 , col: 21) by_Stower_658
Entries 448
Mean 0.2007
RMS 0.09776
χ² / ndf 38.43 / 36
p0 0.8879 ± 0.2583
p1 0.02549 ± 0.00737
p2 0.25 ± 0.24
p3 0.4533 ± 0.1532
p4 9.697 ± 2.549
mean 0.1387 ± 0.0030
sigma 0.01066 ± 0.00263
invariant mass sorted by South 659 tower (row: 30 , col: 22) by_Stower_659
Entries 350
Mean 0.2393
RMS 0.1054
χ² / ndf 40.92 / 39
p0 25.6 ± 64.3
p1 −1.252 ± 0.406
p2 0.09544 ± 0.01835
p3 21.62 ± 8.13
p4 4.262 ± 1.179
mean 0.1251 ± 0.0064
sigma 0.02245 ± 0.00536
invariant mass [GeV]

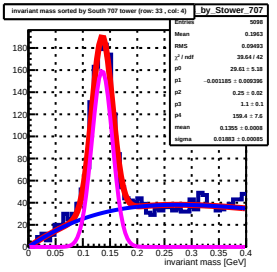

invariant mass sorted by South 660 tower (row: 31 , col: 1)
by_Stower_660
Entries 2608
Mean 0.2259
RMS 0.1011
χ² / ndf 31.85 / 42
p0 25.31 ± 3.36
p1 0.008322 ± 0.004485
p2 0.25 ± 0.04
p3 1.096 ± 0.094
p4 29.04 ± 4.63
mean 0.1346 ± 0.0027
sigma 0.01661 ± 0.00523
invariant mass sorted by South 661 tower (row: 31 , col: 2)
by_Stower_661
Entries 7240
Mean 0.2026
RMS 0.09498
χ² / ndf 48.11 / 42
p0 50.14 ± 5.34
p1 0.003729 ± 0.004896
p2 0.25 ± 0.03
p3 1.144 ± 0.078
p4 255.6 ± 10.6
mean 0.1346 ± 0.0006
sigma 0.01512 ± 0.00059
invariant mass sorted by South 662 tower (row: 31 , col: 3)
by_Stower_662
Entries 6480
Mean 0.1971
RMS 0.0956
χ² / ndf 59.87 / 42
p0 33.38 ± 3.60
p1 0.004348 ± 0.004742
p2 0.25 ± 0.01
p3 0.9415 ± 0.0749
p4 210.6 ± 9.4
mean 0.1346 ± 0.0007
sigma 0.01701 ± 0.00072
invariant mass sorted by South 663 tower (row: 31 , col: 4)
by_Stower_663
Entries 7205
Mean 0.1899
RMS 0.09116
χ² / ndf 74.08 / 42
p0 32.58 ± 2.26
p1 0.01104 ± 0.00101
p2 0.25 ± 0.01
p3 0.8703 ± 0.0419
p4 321.1 ± 11.8
mean 0.1359 ± 0.0005
sigma 0.01604 ± 0.00053
invariant mass sorted by South 664 tower (row: 31 , col: 5)
by_Stower_664
Entries 7721
Mean 0.1845
RMS 0.08768
χ² / ndf 36.06 / 42
p0 30.34 ± 1.87
p1 0.01138 ± 0.00087
p2 0.2209 ± 0.0325
p3 0.8841 ± 0.0983
p4 361.5 ± 12.1
mean 0.1352 ± 0.0005
sigma 0.01661 ± 0.00051
invariant mass sorted by South 665 tower (row: 31 , col: 6)
by_Stower_665
Entries 6694
Mean 0.1853
RMS 0.08889
χ² / ndf 43.87 / 42
p0 27.26 ± 2.18
p1 0.009336 ± 0.002655
p2 0.2439 ± 0.1755
p3 0.8441 ± 0.1242
p4 324.5 ± 11.6
mean 0.136 ± 0.000
sigma 0.01582 ± 0.00053
invariant mass sorted by South 666 tower (row: 31 , col: 7)
by_Stower_666
Entries 5750
Mean 0.1883
RMS 0.09065
χ² / ndf 43.42 / 42
p0 27.18 ± 2.19
p1 0.009247 ± 0.002811
p2 0.2353 ± 0.0423
p3 0.8881 ± 0.1391
p4 267.3 ± 11.0
mean 0.1345 ± 0.0006
sigma 0.01597 ± 0.00062
invariant mass sorted by South 667 tower (row: 31 , col: 8)
by_Stower_667
Entries 4787
Mean 0.1899
RMS 0.09141
χ² / ndf 44.46 / 42
p0 27.22 ± 7.98
p1 −0.005068 ± 0.013944
p2 0.208 ± 0.056
p3 1.088 ± 0.344
p4 197.7 ± 9.5
mean 0.1354 ± 0.0007
sigma 0.0166 ± 0.0008
invariant mass sorted by South 668 tower (row: 31 , col: 9)
by_Stower_668
Entries 4515
Mean 0.1882
RMS 0.09009
χ² / ndf 31.76 / 42
p0 19.26 ± 2.04
p1 0.00953 ± 0.00284
p2 0.2111 ± 0.0369
p3 0.9076 ± 0.1513
p4 186.5 ± 8.6
mean 0.1349 ± 0.0007
sigma 0.01656 ± 0.00066
invariant mass sorted by South 669 tower (row: 31 , col: 10)
by_Stower_669
Entries 4444
Mean 0.1878
RMS 0.09098
χ² / ndf 37.74 / 41
p0 19.22 ± 3.12
p1 0.005847 ± 0.009928
p2 0.25 ± 0.04
p3 0.8379 ± 0.1110
p4 203.9 ± 9.3
mean 0.1352 ± 0.0006
sigma 0.01572 ± 0.00066
invariant mass sorted by South 670 tower (row: 31 , col: 11)
by_Stower_670
Entries 3934
Mean 0.1908
RMS 0.09258
χ² / ndf 56.03 / 42
p0 18.82 ± 2.11
p1 0.006786 ± 0.004244
p2 0.25 ± 0.03
p3 0.8514 ± 0.0731
p4 174.7 ± 9.0
mean 0.1353 ± 0.0007
sigma 0.01564 ± 0.00074
invariant mass sorted by South 671 tower (row: 31 , col: 12)
by_Stower_671
Entries 3896
Mean 0.1834
RMS 0.09182
χ² / ndf 48.27 / 42
p0 14.42 ± 2.41
p1 0.00104 ± 0.00900
p2 0.25 ± 0.02
p3 0.7661 ± 0.1109
p4 157.8 ± 7.4
mean 0.1359 ± 0.0008
sigma 0.01747 ± 0.00074
invariant mass sorted by South 672 tower (row: 31 , col: 13)
by_Stower_672
Entries 3809
Mean 0.1818
RMS 0.09103
χ² / ndf 46.37 / 42
p0 10.27 ± 0.90
p1 0.01129 ± 0.00094
p2 0.25 ± 0.02
p3 0.6098 ± 0.0481
p4 137 ± 7.2
mean 0.1356 ± 0.0009
sigma 0.01816 ± 0.00086
invariant mass sorted by South 673 tower (row: 31 , col: 14)
by_Stower_673
Entries 3515
Mean 0.182
RMS 0.09302
χ² / ndf 58.03 / 42
p0 9.433 ± 0.927
p1 0.01105 ± 0.00126
p2 0.25 ± 0.01
p3 0.6113 ± 0.0550
p4 128.5 ± 7.1
mean 0.1339 ± 0.0009
sigma 0.0178 ± 0.0009
invariant mass sorted by South 674 tower (row: 31 , col: 15)
by_Stower_674
Entries 2927
Mean 0.1778
RMS 0.09146
χ² / ndf 48.18 / 41
p0 6.107 ± 1.121
p1 0.01234 ± 0.01058
p2 0.25 ± 0.02
p3 0.4634 ± 0.1059
p4 101.9 ± 6.4
mean 0.1349 ± 0.0010
sigma 0.01823 ± 0.00118
invariant mass sorted by South 675 tower (row: 31 , col: 16)
by_Stower_675
Entries 2017
Mean 0.1863
RMS 0.09775
χ² / ndf 65.1 / 42
p0 4.782 ± 0.622
p1 0.01153 ± 0.00095
p2 0.25 ± 0.01
p3 0.5509 ± 0.0706
p4 61.7 ± 4.7
mean 0.1351 ± 0.0014
sigma 0.01883 ± 0.00123
invariant mass sorted by South 676 tower (row: 31 , col: 17)
by_Stower_676
Entries 2141
Mean 0.1781
RMS 0.09487
χ² / ndf 66 / 42
p0 3.48 ± 0.44
p1 0.01162 ± 0.00077
p2 0.25 ± 0.02
p3 0.419 ± 0.063
p4 63.09 ± 4.90
mean 0.1347 ± 0.0014
sigma 0.01853 ± 0.00130
invariant mass sorted by South 677 tower (row: 31 , col: 18)
by_Stower_677
Entries 1516
Mean 0.1803
RMS 0.09587
χ² / ndf 64.08 / 42
p0 2.928 ± 1.877
p1 −1.403 ± 0.061
p2 0.1718 ± 0.0064
p3 13.56 ± 0.34
p4 40.93 ± 3.11
mean 0.1335 ± 0.0018
sigma 0.02835 ± 0.00192
invariant mass sorted by South 678 tower (row: 31 , col: 19)
by_Stower_678
Entries 1785
Mean 0.1764
RMS 0.1018
χ² / ndf 112.5 / 42
p0 10.49 ± 9.18
p1 −1.529 ± 0.211
p2 0.1658 ± 0.0232
p3 11.81 ± 2.46
p4 39.7 ± 3.4
mean 0.1347 ± 0.0020
sigma 0.02386 ± 0.00204
invariant mass sorted by South 679 tower (row: 31 , col: 20)
by_Stower_679
Entries 1019
Mean 0.1946
RMS 0.1007
χ² / ndf 40.68 / 41
p0 49.68 ± 32.95
p1 −1.243 ± 0.765
p2 0.1374 ± 0.0911
p3 11.56 ± 14.19
p4 11.38 ± 2.04
mean 0.1346 ± 0.0066
sigma 0.02852 ± 0.00739
invariant mass sorted by South 680 tower (row: 31 , col: 21)
by_Stower_680
Entries 1063
Mean 0.1979
RMS 0.09922
χ² / ndf 40.37 / 41
p0 6.121 ± 6.747
p1 −0.08068 ± 0.16851
p2 0.25 ± 0.24
p3 1.249 ± 1.005
p4 17.41 ± 2.94
mean 0.1371 ± 0.0029
sigma 0.01801 ± 0.00343
invariant mass sorted by South 681 tower (row: 31 , col: 22)
mass_by_Stower_681
Entries 14
Mean 0.2494
RMS 0.1119
invariant mass [GeV]

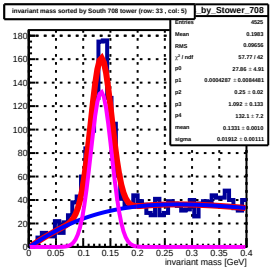

invariant mass sorted by South 682 tower (row: 32 , col: 1)
mass_by_Stower_682
Entries 110
Mean 0.2109
RMS 0.1074
invariant mass sorted by South 683 tower (row: 32 , col: 2)
by_Stower_683
Entries 5481
Mean 0.2094
RMS 0.09732
χ² / ndf 47.16 / 42
p0 48.67 ± 4.09
p1 −0.0001371 ± 0.0073646
p2 0.25 ± 0.02
p3 1.203 ± 0.113
p4 133.8 ± 7.5
mean 0.134 ± 0.001
sigma 0.01706 ± 0.00081
invariant mass sorted by South 684 tower (row: 32 , col: 3)
by_Stower_684
Entries 5348
Mean 0.2065
RMS 0.09852
χ² / ndf 59.93 / 42
p0 37.24 ± 6.52
p1 −0.002965 ± 0.009327
p2 0.25 ± 0.01
p3 1.15 ± 0.13
p4 148.2 ± 8.5
mean 0.1349 ± 0.0008
sigma 0.01598 ± 0.00095
invariant mass sorted by South 685 tower (row: 32 , col: 4)
by_Stower_685
Entries 5779
Mean 0.1893
RMS 0.09253
χ² / ndf 41.98 / 42
p0 22.39 ± 2.15
p1 0.008105 ± 0.003095
p2 0.25 ± 0.02
p3 0.8029 ± 0.0609
p4 218.6 ± 9.4
mean 0.1359 ± 0.0006
sigma 0.01639 ± 0.00054
invariant mass sorted by South 686 tower (row: 32 , col: 5)
by_Stower_686
Entries 5926
Mean 0.1892
RMS 0.09315
χ² / ndf 48.34 / 42
p0 24.33 ± 2.63
p1 0.005622 ± 0.004407
p2 0.25 ± 0.01
p3 0.8431 ± 0.0713
p4 255.8 ± 10.6
mean 0.1369 ± 0.0006
sigma 0.01529 ± 0.00056
invariant mass sorted by South 687 tower (row: 32 , col: 6)
by_Stower_687
Entries 6014
Mean 0.1896
RMS 0.09221
χ² / ndf 63.83 / 42
p0 24.49 ± 1.95
p1 0.010193 ± 0.00145
p2 0.25 ± 0.02
p3 0.8513 ± 0.0489
p4 231.7 ± 10.2
mean 0.1357 ± 0.0006
sigma 0.01641 ± 0.00069
invariant mass sorted by South 688 tower (row: 32 , col: 7)
by_Stower_688
Entries 4961
Mean 0.1883
RMS 0.09152
χ² / ndf 66.66 / 42
p0 22.84 ± 2.61
p1 0.00569 ± 0.00528
p2 0.25 ± 0.17
p3 0.9264 ± 0.0788
p4 202.4 ± 9.0
mean 0.1348 ± 0.0007
sigma 0.01704 ± 0.00068
invariant mass sorted by South 689 tower (row: 32 , col: 8)
by_Stower_689
Entries 4209
Mean 0.1929
RMS 0.09328
χ² / ndf 49.63 / 42
p0 21 ± 4.4
p1 −0.002453 ± 0.013506
p2 0.2354 ± 0.1924
p3 0.9830 ± 0.3372
p4 149.9 ± 8.2
mean 0.1353 ± 0.0008
sigma 0.01635 ± 0.00088
invariant mass sorted by South 690 tower (row: 32 , col: 9)
by_Stower_690
Entries 4151
Mean 0.1904
RMS 0.09257
χ² / ndf 48.84 / 42
p0 22.38 ± 4.82
p1 −0.01497 ± 0.01731
p2 0.25 ± 0.19
p3 1.04 ± 0.17
p4 151.5 ± 8.4
mean 0.1354 ± 0.0008
sigma 0.01687 ± 0.00094
invariant mass sorted by South 691 tower (row: 32 , col: 10)
by_Stower_691
Entries 4364
Mean 0.1898
RMS 0.09243
χ² / ndf 45.64 / 41
p0 17.24 ± 3.07
p1 0.006526 ± 0.010598
p2 0.25 ± 0.02
p3 0.8302 ± 0.1226
p4 161.4 ± 8.3
mean 0.1355 ± 0.0007
sigma 0.01683 ± 0.00090
invariant mass sorted by South 692 tower (row: 32 , col: 11)
by_Stower_692
Entries 3273
Mean 0.1938
RMS 0.09416
χ² / ndf 58.7 / 42
p0 21.75 ± 4.42
p1 −0.002642 ± 0.010156
p2 0.25 ± 0.04
p3 1.164 ± 0.155
p4 119.8 ± 6.6
mean 0.1351 ± 0.0009
sigma 0.01804 ± 0.00092
invariant mass sorted by South 693 tower (row: 32 , col: 12)
by_Stower_693
Entries 3310
Mean 0.1924
RMS 0.09582
χ² / ndf 61.58 / 42
p0 13.16 ± 1.51
p1 0.01042 ± 0.00209
p2 0.25 ± 0.01
p3 0.8084 ± 0.0711
p4 116.9 ± 6.9
mean 0.1351 ± 0.0009
sigma 0.01721 ± 0.00093
invariant mass sorted by South 694 tower (row: 32 , col: 13)
by_Stower_694
Entries 3305
Mean 0.1845
RMS 0.09534
χ² / ndf 55.3 / 42
p0 8.474 ± 0.927
p1 0.011 ± 0.001
p2 0.25 ± 0.01
p3 0.5868 ± 0.0602
p4 109.9 ± 6.3
mean 0.1334 ± 0.0010
sigma 0.01675 ± 0.00091
invariant mass sorted by South 695 tower (row: 32 , col: 14)
by_Stower_695
Entries 3430
Mean 0.1885
RMS 0.09802
χ² / ndf 74.13 / 42
p0 9.643 ± 1.245
p1 0.008125 ± 0.004140
p2 0.25 ± 0.01
p3 0.6639 ± 0.0778
p4 97.01 ± 6.72
mean 0.1364 ± 0.0010
sigma 0.01615 ± 0.00106
invariant mass sorted by South 696 tower (row: 32 , col: 15)
by_Stower_696
Entries 2428
Mean 0.1895
RMS 0.09632
χ² / ndf 49.35 / 42
p0 56.58 ± 40.18
p1 −0.2945 ± 0.3089
p2 0.25 ± 0.24
p3 3.2 ± 2.2
p4 69.82 ± 4.59
mean 0.1352 ± 0.0013
sigma 0.02263 ± 0.00148
invariant mass sorted by South 697 tower (row: 32 , col: 16)
by_Stower_697
Entries 1853
Mean 0.183
RMS 0.09553
χ² / ndf 86.68 / 42
p0 11.45 ± 10.76
p1 −1.3 ± 0.1
p2 0.135 ± 0.018
p3 16.27 ± 2.32
p4 60.57 ± 4.19
mean 0.1346 ± 0.0013
sigma 0.02269 ± 0.00136
invariant mass sorted by South 698 tower (row: 32 , col: 17)
by_Stower_698
Entries 1820
Mean 0.1848
RMS 0.09649
χ² / ndf 69.59 / 41
p0 17.07 ± 20.45
p1 −1.638 ± 0.598
p2 0.1717 ± 0.0576
p3 10.6 ± 7.2
p4 41.84 ± 3.48
mean 0.139 ± 0.002
sigma 0.02211 ± 0.00164
invariant mass sorted by South 699 tower (row: 32 , col: 18)
by_Stower_699
Entries 1650
Mean 0.1818
RMS 0.09877
χ² / ndf 51.96 / 41
p0 18.9 ± 18.3
p1 −1.728 ± 0.509
p2 0.1948 ± 0.0243
p3 8.809 ± 1.803
p4 32.73 ± 3.21
mean 0.1391 ± 0.0021
sigma 0.0205 ± 0.0018
invariant mass sorted by South 700 tower (row: 32 , col: 19)
by_Stower_700
Entries 1467
Mean 0.1795
RMS 0.1031
χ² / ndf 44.33 / 41
p0 5.345 ± 6.037
p1 −2.829 ± 0.864
p2 0.2104 ± 0.0361
p3 10.45 ± 2.27
p4 22.26 ± 2.56
mean 0.1353 ± 0.0026
sigma 0.02172 ± 0.00220
invariant mass sorted by South 701 tower (row: 32 , col: 20)
by_Stower_701
Entries 1058
Mean 0.1874
RMS 0.1085
χ² / ndf 36.09 / 42
p0 0.7903 ± 0.8978
p1 −2.39 ± 0.46
p2 0.2262 ± 0.0290
p3 10.82 ± 1.56
p4 9.361 ± 1.867
mean 0.1328 ± 0.0051
sigma 0.02394 ± 0.00471
invariant mass sorted by South 702 tower (row: 32 , col: 21)
by_Stower_702
Entries 733
Mean 0.2016
RMS 0.1098
χ² / ndf 45.13 / 40
p0 2.168 ± 4.170
p1 −0.9833 ± 0.1504
p2 0.1944 ± 0.0773
p3 15.05 ± 6.79
p4 8.044 ± 1.092
mean 0.1229 ± 0.0055
sigma 0.04589 ± 0.00670
invariant mass sorted by South 703 tower (row: 32 , col: 22)
mass_by_Stower_703
Entries 1
Mean 0.1606
RMS 0
invariant mass [GeV]

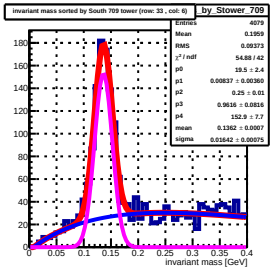

invariant mass sorted by South 704 tower (row: 33 , col: 1)
by_Stower_704
Entries 445
Mean 0.2302
RMS 0.1029
χ² / ndf 26.69 / 40
p0 391 ± 530.3
p1 −0.1547 ± 0.0862
p2 0.09318 ± 0.02057
p3 5.128 ± 1.337
p4 9.355 ± 2.286
mean 0.08488 ± 0.00257
sigma 0.01951 ± 0.001951
invariant mass [GeV]

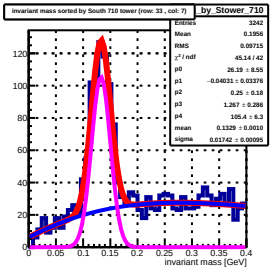

invariant mass sorted by South 705 tower (row: 33 , col: 2)
by_Stower_705
Entries 4135
Mean 0.2135
RMS 0.09838
χ² / ndf 40.8 / 42
p0 20.01 ± 4.79
p1 0.0001003 ± 0.0096664
p2 0.25 ± 0.03
p3 1.273 ± 0.155
p4 83 ± 5.7
mean 0.1343 ± 0.0013
sigma 0.02061 ± 0.00148
invariant mass [GeV]

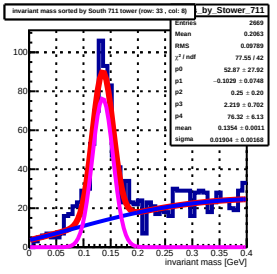

invariant mass sorted by South 706 tower (row: 33 , col: 3)
by_Stower_706
Entries 4094
Mean 0.2087
RMS 0.09695
χ² / ndf 48.05 / 42
p0 41.36 ± 8.13
p1 −0.007921 ± 0.011306
p2 0.25 ± 0.17
p3 1.462 ± 0.165
p4 115.8 ± 6.6
mean 0.134 ± 0.001
sigma 0.01862 ± 0.00095
invariant mass [GeV]

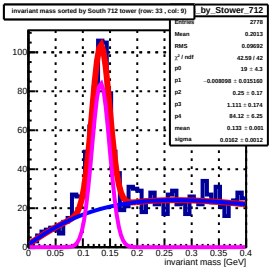

invariant mass sorted by South 707 tower (row: 33 , col: 4)
by_Stower_707
Entries 5098
Mean 0.1963
RMS 0.09493
χ² / ndf 39.64 / 42
p0 29.01 ± 5.18
p1 −0.001185 ± 0.009396
p2 0.25 ± 0.02
p3 1.1 ± 0.1
p4 159.4 ± 7.6
mean 0.1355 ± 0.0008
sigma 0.01883 ± 0.00085
invariant mass [GeV]

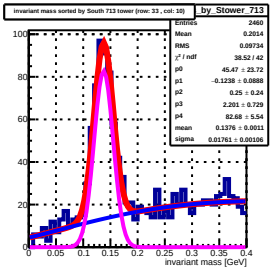

invariant mass sorted by South 708 tower (row: 33 , col: 5)
by_Stower_708
Entries 4525
Mean 0.1983
RMS 0.09656
χ² / ndf 57.77 / 42
p0 27.66 ± 4.91
p1 0.0004287 ± 0.0084481
p2 0.25 ± 0.02
p3 1.092 ± 0.133
p4 132.1 ± 7.2
mean 0.1331 ± 0.0010
sigma 0.01912 ± 0.00111
invariant mass [GeV]

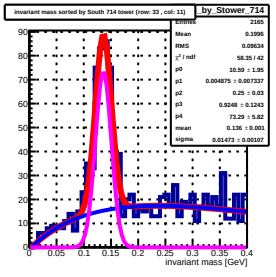

invariant mass sorted by South 709 tower (row: 33 , col: 6)
by_Stower_709
Entries 4079
Mean 0.1959
RMS 0.09373
χ² / ndf 54.88 / 42
p0 19.5 ± 2.4
p1 0.008837 ± 0.00360
p2 0.25 ± 0.01
p3 0.9616 ± 0.0816
p4 152.9 ± 7.7
mean 0.1362 ± 0.0007
sigma 0.01642 ± 0.00075
invariant mass [GeV]

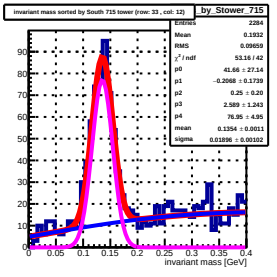

invariant mass sorted by South 710 tower (row: 33 , col: 7)
by_Stower_710
Entries 3242
Mean 0.1956
RMS 0.09715
χ² / ndf 45.14 / 42
p0 26.19 ± 8.55
p1 −0.04031 ± 0.03376
p2 0.25 ± 0.18
p3 1.267 ± 0.286
p4 105.4 ± 6.3
mean 0.1329 ± 0.0010
sigma 0.01742 ± 0.00095
invariant mass [GeV]

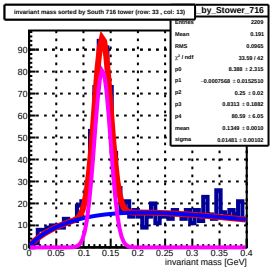

invariant mass sorted by South 711 tower (row: 33 , col: 8)
by_Stower_711
Entries 2669
Mean 0.2063
RMS 0.09789
χ² / ndf 77.55 / 42
p0 52.87 ± 27.92
p1 −0.1029 ± 0.0748
p2 0.25 ± 0.20
p3 2.219 ± 0.702
p4 76.32 ± 6.13
mean 0.1354 ± 0.0011
sigma 0.01904 ± 0.00168
invariant mass [GeV]

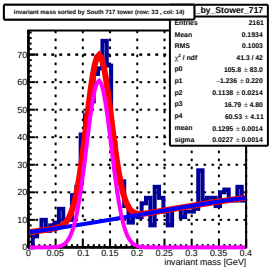

invariant mass sorted by South 712 tower (row: 33 , col: 9)
by_Stower_712
Entries 2776
Mean 0.2013
RMS 0.09692
χ² / ndf 42.59 / 42
p0 19 ± 4.3
p1 −0.008698 ± 0.015169
p2 0.25 ± 0.17
p3 1.111 ± 0.174
p4 84.12 ± 6.25
mean 0.133 ± 0.001
sigma 0.0162 ± 0.0012
invariant mass [GeV]

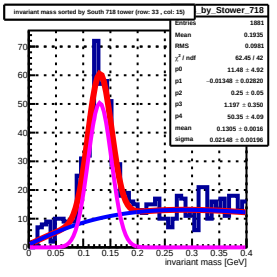

invariant mass sorted by South 713 tower (row: 33 , col: 10)
by_Stower_713
Entries 2460
Mean 0.2014
RMS 0.09734
χ² / ndf 38.52 / 42
p0 45.47 ± 23.72
p1 −0.1238 ± 0.0888
p2 0.25 ± 0.24
p3 2.201 ± 0.729
p4 82.68 ± 5.54
mean 0.1376 ± 0.0011
sigma 0.01761 ± 0.00106
invariant mass [GeV]

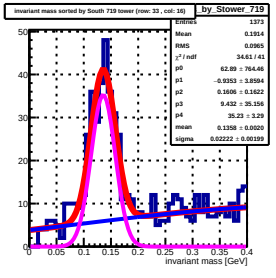

invariant mass sorted by South 714 tower (row: 33 , col: 11)
by_Stower_714
Entries 2165
Mean 0.1996
RMS 0.09634
χ² / ndf 58.35 / 42
p0 10.59 ± 1.95
p1 0.004875 ± 0.007337
p2 0.25 ± 0.03
p3 0.9248 ± 0.1243
p4 73.29 ± 5.82
mean 0.136 ± 0.001
sigma 0.01473 ± 0.00107
invariant mass [GeV]

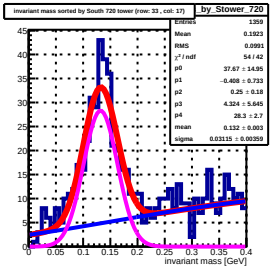

invariant mass sorted by South 715 tower (row: 33 , col: 12)
by_Stower_715
Entries 2284
Mean 0.1932
RMS 0.09659
χ² / ndf 53.16 / 42
p0 41.66 ± 27.14
p1 −0.2068 ± 0.1739
p2 0.25 ± 0.20
p3 2.589 ± 1.243
p4 76.95 ± 4.95
mean 0.1354 ± 0.0011
sigma 0.01898 ± 0.00102
invariant mass [GeV]

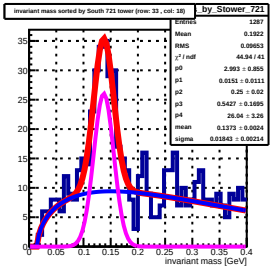

invariant mass sorted by South 716 tower (row: 33 , col: 13)
by_Stower_716
Entries 2209
Mean 0.191
RMS 0.0965
χ² / ndf 33.59 / 42
p0 0.388 ± 1.315
p1 −0.0007568 ± 0.0152510
p2 0.25 ± 0.02
p3 0.8313 ± 0.1882
p4 80.59 ± 6.05
mean 0.1349 ± 0.0010
sigma 0.01481 ± 0.00102
invariant mass [GeV]

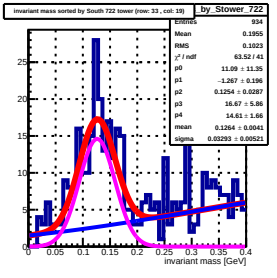

invariant mass sorted by South 717 tower (row: 33 , col: 14)
by_Stower_717
Entries 2161
Mean 0.1934
RMS 0.1003
χ² / ndf 41.3 / 42
p0 105.8 ± 83.0
p1 −1.236 ± 0.220
p2 0.1138 ± 0.0214
p3 16.79 ± 4.80
p4 60.53 ± 4.11
mean 0.1295 ± 0.0014
sigma 0.0227 ± 0.0014
invariant mass [GeV]

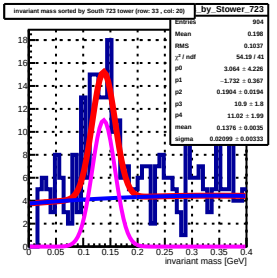

invariant mass sorted by South 718 tower (row: 33 , col: 15)
by_Stower_718
Entries 1881
Mean 0.1935
RMS 0.0981
χ² / ndf 62.45 / 42
p0 11.48 ± 4.92
p1 −0.01348 ± 0.02820
p2 0.25 ± 0.05
p3 1.197 ± 0.350
p4 50.35 ± 4.09
mean 0.1305 ± 0.0016
sigma 0.02148 ± 0.00158
invariant mass [GeV]

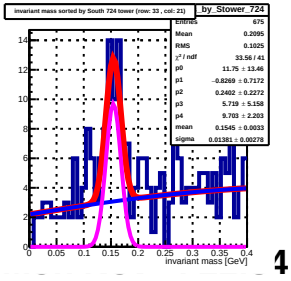

invariant mass sorted by South 719 tower (row: 33 , col: 16)
by_Stower_719
Entries 1373
Mean 0.1914
RMS 0.0965
χ² / ndf 34.61 / 41
p0 62.89 ± 764.46
p1 −0.9353 ± 3.8594
p2 0.1606 ± 0.1622
p3 9.432 ± 35.156
p4 35.23 ± 3.29
mean 0.1358 ± 0.0020
sigma 0.02222 ± 0.00199
invariant mass [GeV]

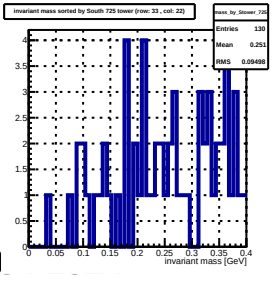

invariant mass sorted by South 720 tower (row: 33 , col: 17)
by_Stower_720
Entries 1359
Mean 0.1923
RMS 0.0991
χ² / ndf 54 / 42
p0 37.67 ± 14.95
p1 −0.408 ± 0.733
p2 0.25 ± 0.18
p3 4.324 ± 5.645
p4 28.3 ± 2.7
mean 0.132 ± 0.003
sigma 0.03115 ± 0.00359
invariant mass [GeV]


invariant mass sorted by South 721 tower (row: 33 , col: 18)
by_Stower_721
Entries 1287
Mean 0.1922
RMS 0.09653
χ² / ndf 44.94 / 41
p0 2.993 ± 0.855
p1 0.0151 ± 0.0111
p2 0.25 ± 0.02
p3 0.5427 ± 0.1695
p4 26.04 ± 3.26
mean 0.1373 ± 0.0024
sigma 0.01843 ± 0.00214
invariant mass [GeV]


invariant mass sorted by South 722 tower (row: 33 , col: 19)
by_Stower_722
Entries 934
Mean 0.1955
RMS 0.1023
χ² / ndf 63.52 / 41
p0 11.09 ± 11.35
p1 −1.267 ± 0.196
p2 0.1254 ± 0.0287
p3 16.67 ± 5.86
p4 14.61 ± 1.66
mean 0.1264 ± 0.0041
sigma 0.03293 ± 0.00521
invariant mass [GeV]


invariant mass sorted by South 723 tower (row: 33 , col: 20)
by_Stower_723
Entries 904
Mean 0.198
RMS 0.1037
χ² / ndf 54.19 / 41
p0 3.064 ± 4.226
p1 −1.732 ± 0.367
p2 0.1904 ± 0.0194
p3 10.9 ± 1.8
p4 11.02 ± 1.99
mean 0.1376 ± 0.0035
sigma 0.02099 ± 0.00333
invariant mass [GeV]


invariant mass sorted by South 724 tower (row: 33 , col: 21)
by_Stower_724
Entries 675
Mean 0.2095
RMS 0.1025
χ² / ndf 33.56 / 41
p0 11.75 ± 13.46
p1 −0.8269 ± 0.7172
p2 0.2402 ± 0.2272
p3 5.719 ± 5.158
p4 9.703 ± 2.203
mean 0.1545 ± 0.0033
sigma 0.01381 ± 0.00278
invariant mass [GeV]


invariant mass sorted by South 725 tower (row: 33 , col: 22)
mass_by_Stower_725
Entries 139
Mean 0.253
RMS 0.09498
invariant mass [GeV]

4: