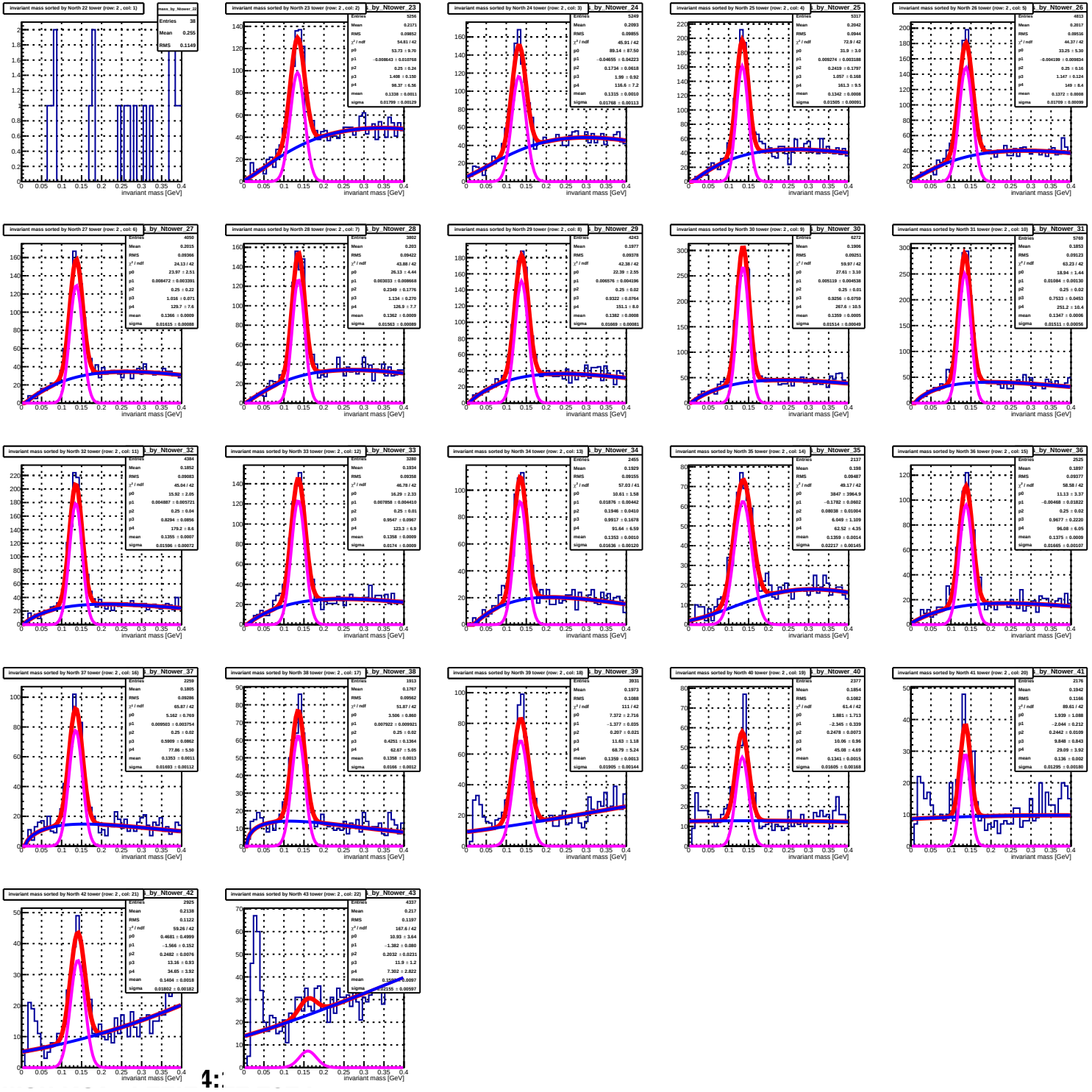
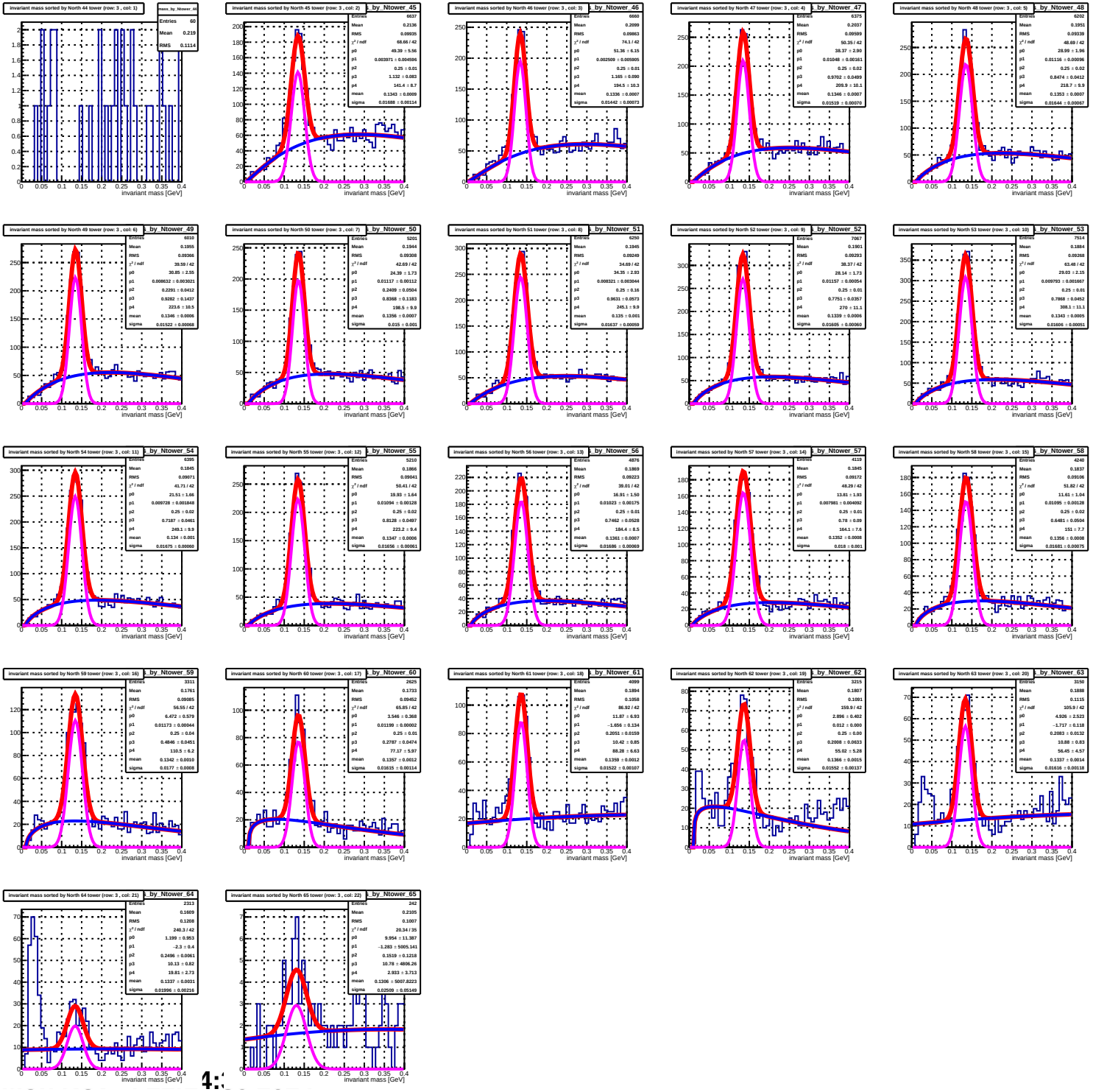
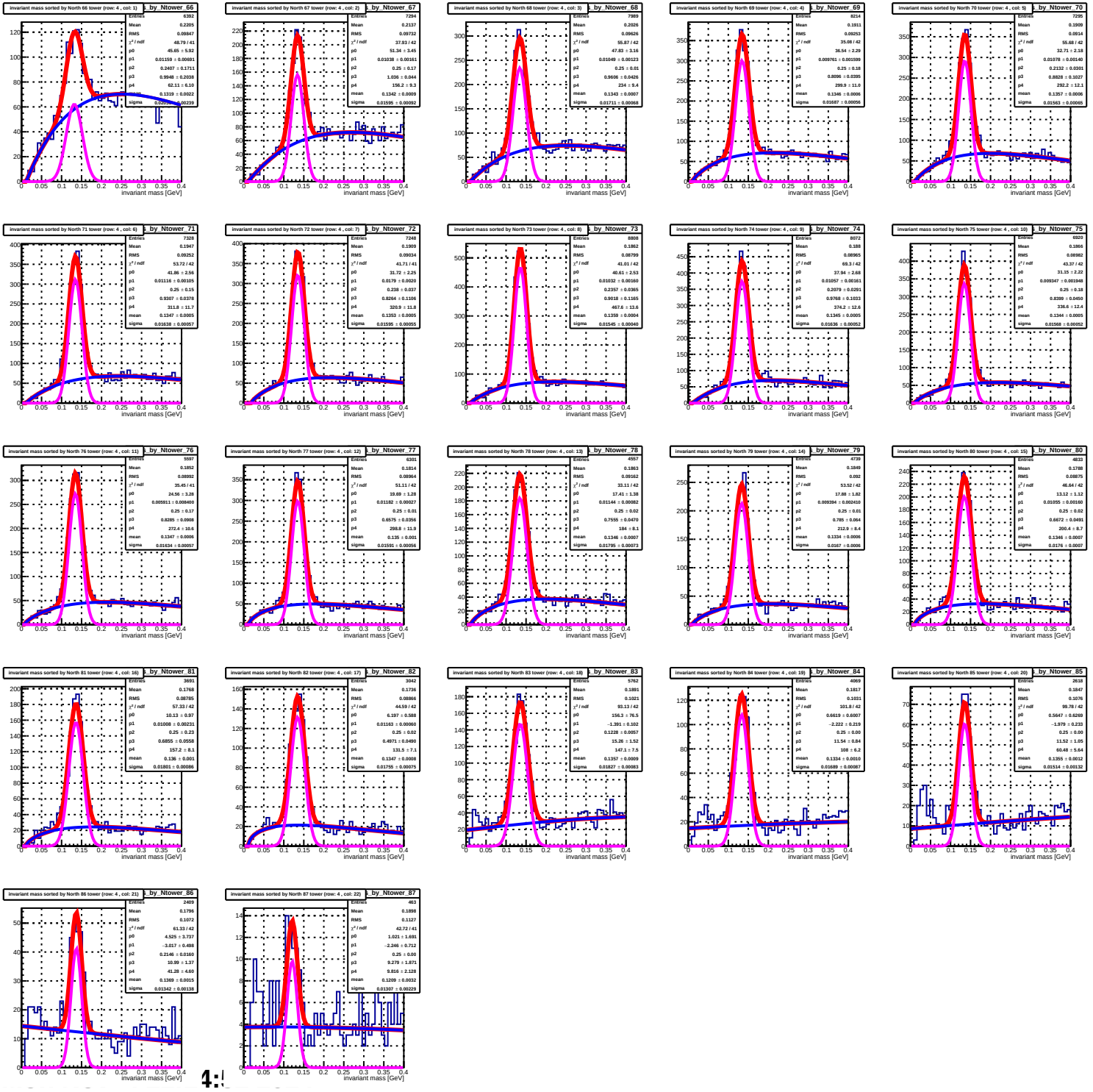
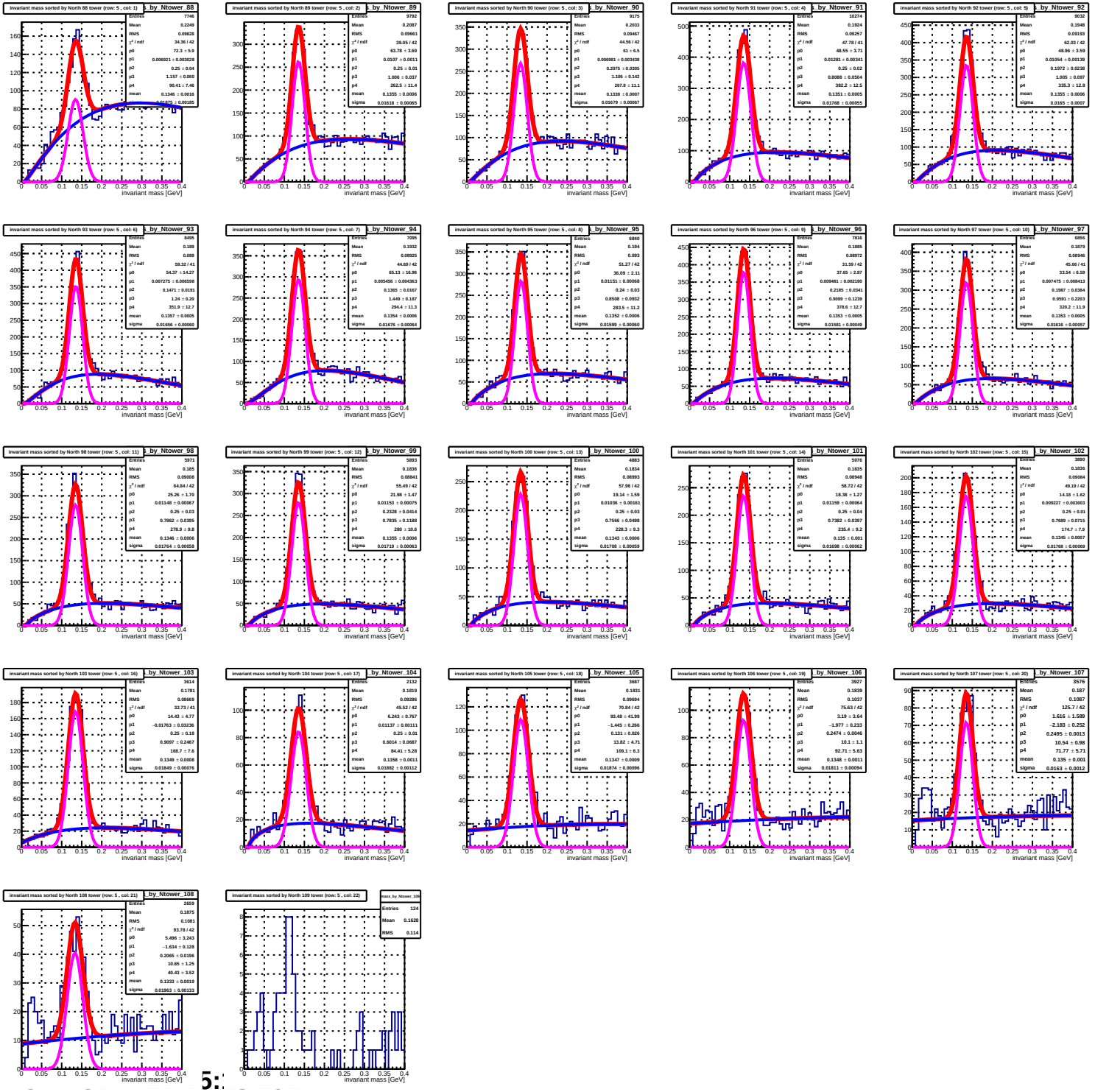
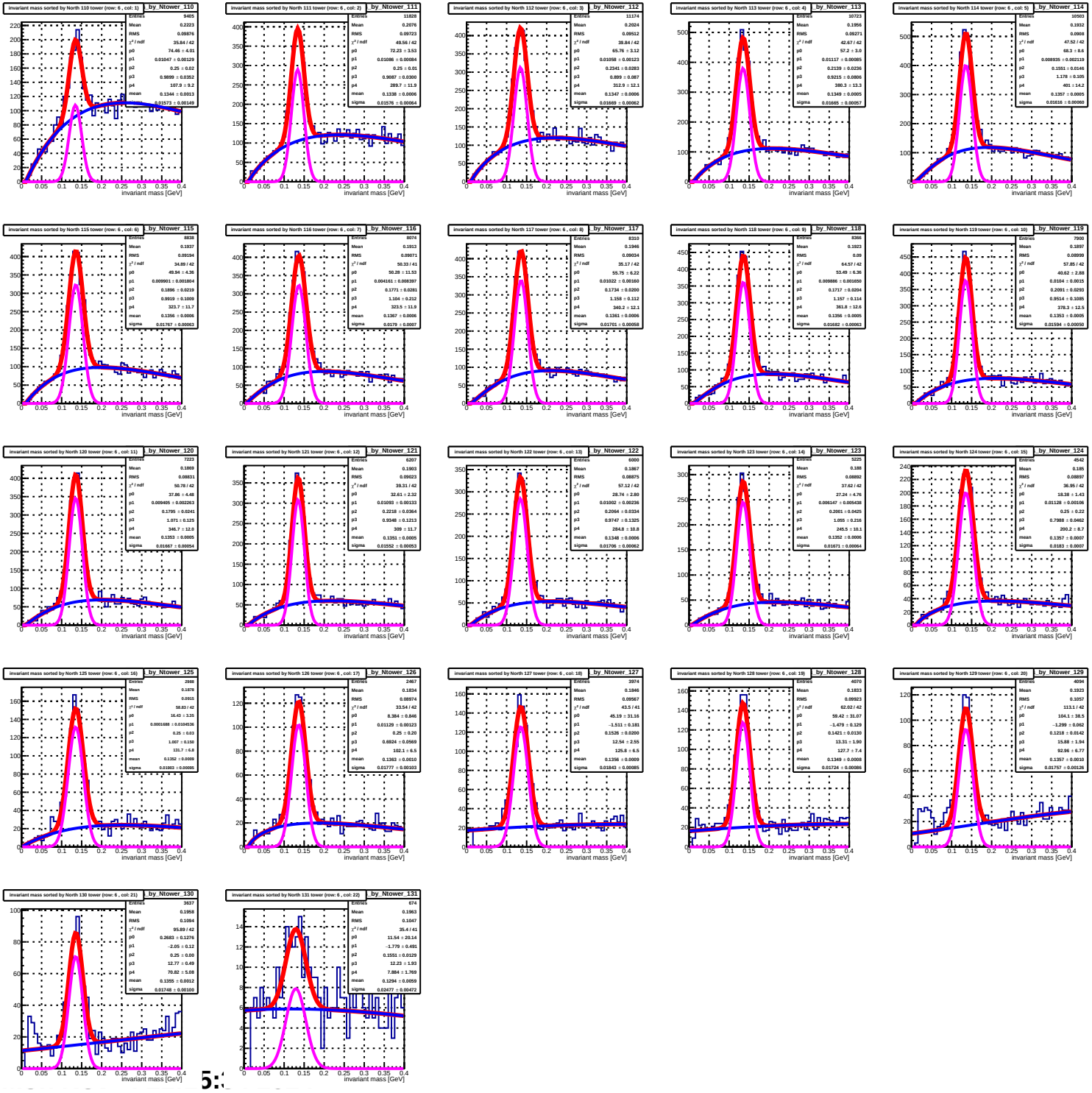
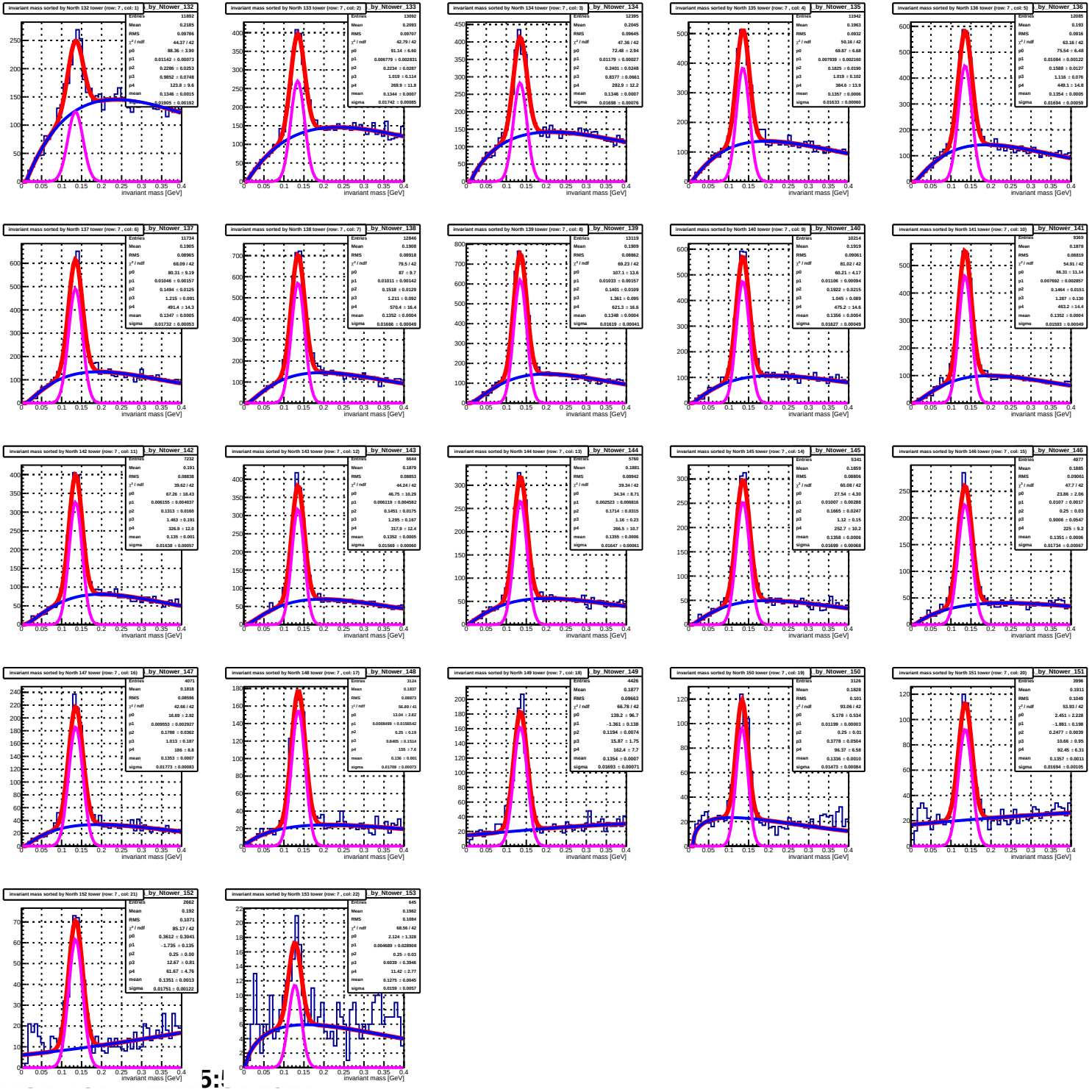

invariant mass sorted by North 22 tower (row: 2 , col: 1)
Entries 38
Mean 0.255
RMS 0.1149
invariant mass sorted by North 23 tower (row: 2 , col: 2)
Entries 5256
Mean 0.2171
RMS 0.09852
χ² / ndf 54.81 / 42
p0 53.72 ± 9.79
p1 −0.008643 ± 0.010768
p2 0.25 ± 0.24
p3 1.408 ± 0.150
p4 98.37 ± 6.56
mean 0.1338 ± 0.0011
sigma 0.01789 ± 0.00129
invariant mass sorted by North 24 tower (row: 2 , col: 3)
Entries 5249
Mean 0.2093
RMS 0.09855
χ² / ndf 45.91 / 42
p0 89.14 ± 87.50
p1 −0.04655 ± 0.04223
p2 0.1734 ± 0.0618
p3 1.99 ± 0.92
p4 116.6 ± 7.2
mean 0.1315 ± 0.0010
sigma 0.01768 ± 0.00113
invariant mass sorted by North 25 tower (row: 2 , col: 4)
Entries 5317
Mean 0.2042
RMS 0.0944
χ² / ndf 72.9 / 42
p0 31.9 ± 3.3
p1 0.009274 ± 0.003188
p2 0.2419 ± 0.1797
p3 1.057 ± 0.168
p4 161.3 ± 9.5
mean 0.1342 ± 0.0008
sigma 0.01505 ± 0.00091
invariant mass sorted by North 26 tower (row: 2 , col: 5)
Entries 4813
Mean 0.2017
RMS 0.09516
χ² / ndf 44.37 / 42
p0 33.25 ± 5.30
p1 −0.004199 ± 0.009834
p2 0.25 ± 0.16
p3 1.147 ± 0.124
p4 149 ± 8.4
mean 0.1372 ± 0.0008
sigma 0.01703 ± 0.00098
invariant mass sorted by North 27 tower (row: 2 , col: 6)
Entries 4050
Mean 0.2015
RMS 0.09366
χ² / ndf 24.13 / 42
p0 23.97 ± 2.51
p1 0.008472 ± 0.003391
p2 0.25 ± 0.22
p3 1.016 ± 0.071
p4 129.7 ± 7.6
mean 0.1366 ± 0.0009
sigma 0.01615 ± 0.00088
invariant mass sorted by North 28 tower (row: 2 , col: 7)
Entries 3802
Mean 0.203
RMS 0.09422
χ² / ndf 43.88 / 42
p0 26.13 ± 4.44
p1 0.003033 ± 0.008668
p2 0.2349 ± 0.1776
p3 1.134 ± 0.270
p4 126.9 ± 7.7
mean 0.1362 ± 0.0009
sigma 0.01563 ± 0.00089
invariant mass sorted by North 29 tower (row: 2 , col: 8)
Entries 4243
Mean 0.1977
RMS 0.09378
χ² / ndf 42.38 / 42
p0 22.39 ± 2.55
p1 0.006576 ± 0.004196
p2 0.25 ± 0.02
p3 0.9322 ± 0.0764
p4 151.1 ± 8.0
mean 0.1382 ± 0.0008
sigma 0.01669 ± 0.00081
invariant mass sorted by North 30 tower (row: 2 , col: 9)
Entries 6272
Mean 0.1906
RMS 0.09251
χ² / ndf 59.97 / 42
p0 27.61 ± 3.10
p1 0.005119 ± 0.004538
p2 0.25 ± 0.01
p3 0.9256 ± 0.0759
p4 267.6 ± 10.5
mean 0.1359 ± 0.0005
sigma 0.01514 ± 0.00049
invariant mass sorted by North 31 tower (row: 2 , col: 10)
Entries 5769
Mean 0.1853
RMS 0.09123
χ² / ndf 63.23 / 42
p0 18.94 ± 1.44
p1 0.01084 ± 0.00130
p2 0.25 ± 0.02
p3 0.7533 ± 0.0453
p4 251.2 ± 10.4
mean 0.1347 ± 0.0006
sigma 0.01511 ± 0.00056
invariant mass sorted by North 32 tower (row: 2 , col: 11)
Entries 4384
Mean 0.1852
RMS 0.09083
χ² / ndf 45.04 / 42
p0 15.92 ± 2.05
p1 0.004887 ± 0.005721
p2 0.25 ± 0.04
p3 0.8294 ± 0.0856
p4 179.2 ± 8.6
mean 0.1355 ± 0.0007
sigma 0.01596 ± 0.00072
invariant mass sorted by North 33 tower (row: 2 , col: 12)
Entries 3280
Mean 0.1934
RMS 0.09358
χ² / ndf 46.78 / 42
p0 16.29 ± 2.33
p1 0.007858 ± 0.004410
p2 0.25 ± 0.01
p3 0.9547 ± 0.0967
p4 123.3 ± 6.9
mean 0.1358 ± 0.0009
sigma 0.0174 ± 0.0009
invariant mass sorted by North 34 tower (row: 2 , col: 13)
Entries 2455
Mean 0.1929
RMS 0.09155
χ² / ndf 57.03 / 41
p0 10.61 ± 1.58
p1 0.01876 ± 0.00442
p2 0.1946 ± 0.0410
p3 0.9917 ± 0.1678
p4 91.64 ± 6.59
mean 0.1353 ± 0.0010
sigma 0.01636 ± 0.00120
invariant mass sorted by North 35 tower (row: 2 , col: 14)
Entries 2137
Mean 0.198
RMS 0.09487
χ² / ndf 49.17 / 42
p0 3847 ± 39643
p1 −0.1782 ± 0.0602
p2 0.08038 ± 0.01004
p3 6.049 ± 1.109
p4 62.52 ± 4.35
mean 0.1359 ± 0.0014
sigma 0.02217 ± 0.00145
invariant mass sorted by North 36 tower (row: 2 , col: 15)
Entries 2525
Mean 0.1897
RMS 0.09377
χ² / ndf 58.58 / 42
p0 11.13 ± 3.37
p1 −0.00468 ± 0.01822
p2 0.25 ± 0.02
p3 0.9677 ± 0.2220
p4 96.08 ± 6.05
mean 0.1375 ± 0.0009
sigma 0.01665 ± 0.00107
invariant mass sorted by North 37 tower (row: 2 , col: 16)
Entries 2259
Mean 0.1805
RMS 0.09286
χ² / ndf 65.87 / 42
p0 5.162 ± 0.769
p1 0.009503 ± 0.003754
p2 0.25 ± 0.02
p3 0.5809 ± 0.0862
p4 77.86 ± 5.50
mean 0.1353 ± 0.0011
sigma 0.01693 ± 0.00112
invariant mass sorted by North 38 tower (row: 2 , col: 17)
Entries 1913
Mean 0.1767
RMS 0.09562
χ² / ndf 51.87 / 42
p0 3.506 ± 0.860
p1 0.007922 ± 0.009921
p2 0.25 ± 0.02
p3 0.4251 ± 0.1364
p4 62.67 ± 5.65
mean 0.1358 ± 0.0013
sigma 0.0166 ± 0.0012
invariant mass sorted by North 39 tower (row: 2 , col: 18)
Entries 3931
Mean 0.1973
RMS 0.1088
χ² / ndf 111 / 42
p0 7.372 ± 2.716
p1 −1.377 ± 0.035
p2 0.207 ± 0.021
p3 11.63 ± 1.18
p4 68.79 ± 5.24
mean 0.1359 ± 0.0013
sigma 0.01905 ± 0.00144
invariant mass sorted by North 40 tower (row: 2 , col: 19)
Entries 2377
Mean 0.1854
RMS 0.1082
χ² / ndf 61.4 / 42
p0 1.881 ± 1.713
p1 −2.345 ± 0.339
p2 0.2478 ± 0.0073
p3 10.06 ± 0.86
p4 45.08 ± 4.69
mean 0.1341 ± 0.0015
sigma 0.01605 ± 0.00168
invariant mass sorted by North 41 tower (row: 2 , col: 20)
Entries 2176
Mean 0.1942
RMS 0.1166
χ² / ndf 89.61 / 42
p0 1.939 ± 1.088
p1 −2.044 ± 0.212
p2 0.2442 ± 0.0109
p3 8.848 ± 0.843
p4 29.09 ± 3.92
mean 0.136 ± 0.002
sigma 0.01295 ± 0.00180
invariant mass sorted by North 42 tower (row: 2 , col: 21)
Entries 2925
Mean 0.2138
RMS 0.1122
χ² / ndf 59.26 / 42
p0 0.4681 ± 0.4999
p1 −1.566 ± 0.152
p2 0.2482 ± 0.0076
p3 13.16 ± 0.93
p4 34.65 ± 3.92
mean 0.1404 ± 0.0018
sigma 0.01802 ± 0.00182
invariant mass sorted by North 43 tower (row: 2 , col: 22)
Entries 4337
Mean 0.217
RMS 0.1197
χ² / ndf 167.6 / 42
p0 10.89 ± 3.64
p1 −1.382 ± 0.080
p2 0.2032 ± 0.0231
p3 11.9 ± 1.2
p4 7.302 ± 2.822
mean 0.15[illegible] ± 0.0097
sigma 0.02155 ± 0.00597
invariant mass [GeV]

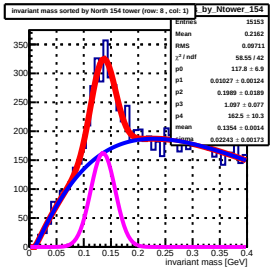

invariant mass sorted by North 44 tower (row: 3 , col: 1)
Entries 60
Mean 0.219
RMS 0.1114
invariant mass sorted by North 45 tower (row: 3 , col: 2)
Entries 6637
Mean 0.2136
RMS 0.09935
χ² / ndf 68.66 / 42
p0 49.39 ± 5.56
p1 0.003971 ± 0.004596
p2 0.25 ± 0.01
p3 1.132 ± 0.083
p4 141.4 ± 8.7
mean 0.1343 ± 0.0009
sigma 0.01688 ± 0.00114
invariant mass sorted by North 46 tower (row: 3 , col: 3)
Entries 6660
Mean 0.2099
RMS 0.09863
χ² / ndf 74.1 / 42
p0 51.36 ± 6.15
p1 0.002509 ± 0.005905
p2 0.25 ± 0.01
p3 1.165 ± 0.090
p4 194.5 ± 10.3
mean 0.1336 ± 0.0007
sigma 0.01442 ± 0.00073
invariant mass sorted by North 47 tower (row: 3 , col: 4)
Entries 6375
Mean 0.2037
RMS 0.09599
χ² / ndf 50.35 / 42
p0 38.37 ± 2.90
p1 0.01048 ± 0.00161
p2 0.25 ± 0.02
p3 0.9702 ± 0.0499
p4 209.9 ± 10.1
mean 0.1346 ± 0.0007
sigma 0.01519 ± 0.00070
invariant mass sorted by North 48 tower (row: 3 , col: 5)
Entries 6202
Mean 0.1951
RMS 0.09339
χ² / ndf 48.69 / 42
p0 28.99 ± 1.96
p1 0.01116 ± 0.00096
p2 0.25 ± 0.02
p3 0.8474 ± 0.0412
p4 218.7 ± 9.9
mean 0.1353 ± 0.0007
sigma 0.01644 ± 0.00067
invariant mass sorted by North 49 tower (row: 3 , col: 6)
Entries 6010
Mean 0.1955
RMS 0.09366
χ² / ndf 39.59 / 42
p0 30.85 ± 2.55
p1 0.008632 ± 0.003021
p2 0.2291 ± 0.0412
p3 0.9282 ± 0.1437
p4 223.6 ± 10.5
mean 0.1346 ± 0.0006
sigma 0.01522 ± 0.00068
invariant mass sorted by North 50 tower (row: 3 , col: 7)
Entries 5201
Mean 0.1944
RMS 0.09308
χ² / ndf 42.69 / 42
p0 24.39 ± 1.73
p1 0.01117 ± 0.00112
p2 0.2409 ± 0.0504
p3 0.8398 ± 0.1183
p4 198.5 ± 9.9
mean 0.1356 ± 0.0007
sigma 0.015 ± 0.001
invariant mass sorted by North 51 tower (row: 3 , col: 8)
Entries 6250
Mean 0.1945
RMS 0.09249
χ² / ndf 34.69 / 42
p0 34.35 ± 2.93
p1 0.008321 ± 0.003044
p2 0.25 ± 0.16
p3 0.9631 ± 0.0573
p4 245.1 ± 9.9
mean 0.135 ± 0.001
sigma 0.01637 ± 0.00059
invariant mass sorted by North 52 tower (row: 3 , col: 9)
Entries 7067
Mean 0.1901
RMS 0.09293
χ² / ndf 38.37 / 42
p0 28.14 ± 1.73
p1 0.01157 ± 0.00054
p2 0.25 ± 0.01
p3 0.7751 ± 0.0357
p4 270 ± 11.1
mean 0.1339 ± 0.0006
sigma 0.01605 ± 0.00060
invariant mass sorted by North 53 tower (row: 3 , col: 10)
Entries 7514
Mean 0.1884
RMS 0.09268
χ² / ndf 63.48 / 42
p0 29.03 ± 2.15
p1 0.009793 ± 0.001667
p2 0.25 ± 0.01
p3 0.7868 ± 0.0452
p4 308.1 ± 11.1
mean 0.1343 ± 0.0005
sigma 0.01606 ± 0.00051
invariant mass sorted by North 54 tower (row: 3 , col: 11)
Entries 6395
Mean 0.1845
RMS 0.09071
χ² / ndf 41.71 / 42
p0 21.51 ± 1.66
p1 0.009728 ± 0.001848
p2 0.25 ± 0.02
p3 0.7187 ± 0.0461
p4 249.1 ± 9.9
mean 0.134 ± 0.001
sigma 0.01675 ± 0.00069
invariant mass sorted by North 55 tower (row: 3 , col: 12)
Entries 5210
Mean 0.1866
RMS 0.09041
χ² / ndf 50.41 / 42
p0 19.93 ± 1.64
p1 0.01094 ± 0.00128
p2 0.25 ± 0.02
p3 0.8128 ± 0.0497
p4 223.2 ± 9.4
mean 0.1347 ± 0.0006
sigma 0.01658 ± 0.00061
invariant mass sorted by North 56 tower (row: 3 , col: 13)
Entries 4876
Mean 0.1869
RMS 0.09223
χ² / ndf 39.01 / 42
p0 16.91 ± 1.50
p1 0.01023 ± 0.00175
p2 0.25 ± 0.01
p3 0.7462 ± 0.0528
p4 184.4 ± 8.5
mean 0.1361 ± 0.0007
sigma 0.01686 ± 0.00069
invariant mass sorted by North 57 tower (row: 3 , col: 14)
Entries 4119
Mean 0.1845
RMS 0.09172
χ² / ndf 48.29 / 42
p0 13.81 ± 1.93
p1 0.007981 ± 0.004092
p2 0.25 ± 0.01
p3 0.78 ± 0.09
p4 164.1 ± 7.6
mean 0.1352 ± 0.0008
sigma 0.018 ± 0.001
invariant mass sorted by North 58 tower (row: 3 , col: 15)
Entries 4240
Mean 0.1837
RMS 0.09106
χ² / ndf 51.82 / 42
p0 11.61 ± 1.04
p1 0.01095 ± 0.00128
p2 0.25 ± 0.02
p3 0.6481 ± 0.0504
p4 151 ± 7.7
mean 0.1356 ± 0.0008
sigma 0.01681 ± 0.00075
invariant mass sorted by North 59 tower (row: 3 , col: 16)
Entries 3311
Mean 0.1761
RMS 0.09085
χ² / ndf 56.55 / 42
p0 6.472 ± 0.579
p1 0.01173 ± 0.00044
p2 0.25 ± 0.04
p3 0.4846 ± 0.0451
p4 110.5 ± 6.2
mean 0.1342 ± 0.0010
sigma 0.0177 ± 0.0008
invariant mass sorted by North 60 tower (row: 3 , col: 17)
Entries 2625
Mean 0.1733
RMS 0.09452
χ² / ndf 65.85 / 42
p0 3.546 ± 0.368
p1 0.01199 ± 0.00002
p2 0.25 ± 0.01
p3 0.2787 ± 0.0474
p4 77.17 ± 5.97
mean 0.1357 ± 0.0012
sigma 0.01615 ± 0.00114
invariant mass sorted by North 61 tower (row: 3 , col: 18)
Entries 4099
Mean 0.1884
RMS 0.1058
χ² / ndf 86.92 / 42
p0 11.87 ± 6.93
p1 -1.656 ± 0.134
p2 0.2051 ± 0.0159
p3 10.42 ± 0.85
p4 88.28 ± 6.63
mean 0.1359 ± 0.0012
sigma 0.01522 ± 0.00107
invariant mass sorted by North 62 tower (row: 3 , col: 19)
Entries 3215
Mean 0.1807
RMS 0.1091
χ² / ndf 159.9 / 42
p0 2.896 ± 0.402
p1 0.012 ± 0.000
p2 0.25 ± 0.00
p3 0.2008 ± 0.0603
p4 55.02 ± 5.28
mean 0.1366 ± 0.0015
sigma 0.01552 ± 0.00137
invariant mass sorted by North 63 tower (row: 3 , col: 20)
Entries 3150
Mean 0.1898
RMS 0.1115
χ² / ndf 105.9 / 42
p0 4.926 ± 2.523
p1 -1.717 ± 0.118
p2 0.2083 ± 0.0132
p3 10.88 ± 0.83
p4 56.45 ± 4.57
mean 0.1337 ± 0.0014
sigma 0.01616 ± 0.00118
invariant mass sorted by North 64 tower (row: 3 , col: 21)
Entries 2313
Mean 0.1609
RMS 0.1208
χ² / ndf 240.3 / 42
p0 1.199 ± 0.953
p1 -2.3 ± 0.4
p2 0.2496 ± 0.0061
p3 10.13 ± 0.82
p4 19.81 ± 2.73
mean 0.1337 ± 0.0031
sigma 0.01996 ± 0.00216
invariant mass sorted by North 65 tower (row: 3 , col: 22)
Entries 242
Mean 0.2105
RMS 0.1007
χ² / ndf 20.34 / 35
p0 9.954 ± 11.387
p1 -1.283 ± 5005.141
p2 0.1519 ± 0.1218
p3 10.78 ± 4806.26
p4 2.933 ± 3.713
mean 0.1306 ± 5007.8223
sigma 0.02509 ± 0.05149
invariant mass [GeV]

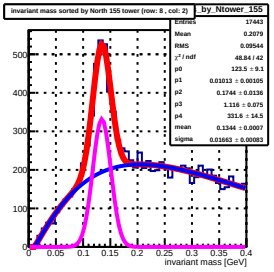

invariant mass sorted by North 66 tower (row: 4 , col: 1) _by_Ntower_66
Entries 6392
Mean 0.2205
RMS 0.09847
χ² / ndf 48.79 / 41
p0 45.65 ± 5.92
p1 0.01159 ± 0.00691
p2 0.2407 ± 0.1711
p3 0.9948 ± 0.2038
p4 62.11 ± 6.10
mean 0.1319 ± 0.0022
sigma 0.02055 ± 0.00239
invariant mass sorted by North 67 tower (row: 4 , col: 2) _by_Ntower_67
Entries 7294
Mean 0.2137
RMS 0.09732
χ² / ndf 37.93 / 42
p0 51.34 ± 3.45
p1 0.01038 ± 0.00161
p2 0.25 ± 0.17
p3 1.036 ± 0.044
p4 156.2 ± 9.3
mean 0.1342 ± 0.0009
sigma 0.01595 ± 0.00092
invariant mass sorted by North 68 tower (row: 4 , col: 3) _by_Ntower_68
Entries 7989
Mean 0.2026
RMS 0.09626
χ² / ndf 55.87 / 42
p0 47.83 ± 3.16
p1 0.01049 ± 0.00123
p2 0.25 ± 0.01
p3 0.9606 ± 0.0426
p4 234 ± 9.4
mean 0.1343 ± 0.0007
sigma 0.01711 ± 0.00068
invariant mass sorted by North 69 tower (row: 4 , col: 4) _by_Ntower_69
Entries 8214
Mean 0.1911
RMS 0.09253
χ² / ndf 35.08 / 42
p0 36.54 ± 2.29
p1 0.009761 ± 0.001599
p2 0.25 ± 0.18
p3 0.8096 ± 0.0395
p4 299.9 ± 11.0
mean 0.1346 ± 0.0006
sigma 0.01687 ± 0.00056
invariant mass sorted by North 70 tower (row: 4 , col: 5) _by_Ntower_70
Entries 7295
Mean 0.1909
RMS 0.0914
χ² / ndf 55.68 / 42
p0 32.71 ± 2.18
p1 0.01078 ± 0.00140
p2 0.2132 ± 0.0301
p3 0.8828 ± 0.1027
p4 292.2 ± 12.1
mean 0.1357 ± 0.0006
sigma 0.01563 ± 0.00065
invariant mass sorted by North 71 tower (row: 4 , col: 6) _by_Ntower_71
Entries 7328
Mean 0.1947
RMS 0.09252
χ² / ndf 53.72 / 42
p0 41.86 ± 2.56
p1 0.01116 ± 0.00105
p2 0.25 ± 0.15
p3 0.9307 ± 0.1378
p4 311.8 ± 11.7
mean 0.1347 ± 0.0005
sigma 0.01638 ± 0.00057
invariant mass sorted by North 72 tower (row: 4 , col: 7) _by_Ntower_72
Entries 7248
Mean 0.1909
RMS 0.09034
χ² / ndf 41.71 / 41
p0 31.72 ± 2.25
p1 0.0179 ± 0.0020
p2 0.238 ± 0.037
p3 0.8264 ± 0.1106
p4 320.9 ± 11.8
mean 0.1353 ± 0.0005
sigma 0.01595 ± 0.00055
invariant mass sorted by North 73 tower (row: 4 , col: 8) _by_Ntower_73
Entries 8808
Mean 0.1862
RMS 0.08799
χ² / ndf 41.01 / 42
p0 40.61 ± 2.53
p1 0.01032 ± 0.00160
p2 0.2357 ± 0.0365
p3 0.9018 ± 0.1165
p4 467.6 ± 13.6
mean 0.1359 ± 0.0004
sigma 0.01545 ± 0.00040
invariant mass sorted by North 74 tower (row: 4 , col: 9) _by_Ntower_74
Entries 8072
Mean 0.188
RMS 0.08965
χ² / ndf 69.3 / 42
p0 37.94 ± 2.68
p1 0.01057 ± 0.00181
p2 0.2079 ± 0.0291
p3 0.9768 ± 0.1203
p4 374.2 ± 12.6
mean 0.1345 ± 0.0005
sigma 0.01636 ± 0.00052
invariant mass sorted by North 75 tower (row: 4 , col: 10) _by_Ntower_75
Entries 6920
Mean 0.1866
RMS 0.08982
χ² / ndf 43.37 / 42
p0 31.15 ± 2.22
p1 0.009347 ± 0.001948
p2 0.25 ± 0.18
p3 0.8399 ± 0.0450
p4 336.6 ± 12.4
mean 0.1344 ± 0.0005
sigma 0.01568 ± 0.00052
invariant mass sorted by North 76 tower (row: 4 , col: 11) _by_Ntower_76
Entries 5597
Mean 0.1852
RMS 0.08992
χ² / ndf 35.45 / 41
p0 24.56 ± 3.28
p1 0.005911 ± 0.008400
p2 0.25 ± 0.17
p3 0.8285 ± 0.0908
p4 272.4 ± 10.6
mean 0.1347 ± 0.0006
sigma 0.01634 ± 0.00057
invariant mass sorted by North 77 tower (row: 4 , col: 12) _by_Ntower_77
Entries 6301
Mean 0.1814
RMS 0.08964
χ² / ndf 51.11 / 42
p0 19.88 ± 1.28
p1 0.01182 ± 0.00027
p2 0.25 ± 0.01
p3 0.6575 ± 0.0356
p4 298.8 ± 11.9
mean 0.135 ± 0.001
sigma 0.01591 ± 0.00056
invariant mass sorted by North 78 tower (row: 4 , col: 13) _by_Ntower_78
Entries 4557
Mean 0.1863
RMS 0.09162
χ² / ndf 33.11 / 42
p0 17.41 ± 1.38
p1 0.01144 ± 0.00082
p2 0.25 ± 0.02
p3 0.7555 ± 0.0470
p4 184 ± 8.1
mean 0.1346 ± 0.0007
sigma 0.01795 ± 0.00073
invariant mass sorted by North 79 tower (row: 4 , col: 14) _by_Ntower_79
Entries 4739
Mean 0.1849
RMS 0.092
χ² / ndf 53.52 / 42
p0 17.88 ± 1.82
p1 0.009394 ± 0.002410
p2 0.25 ± 0.01
p3 0.785 ± 0.064
p4 212.9 ± 8.4
mean 0.1334 ± 0.0006
sigma 0.0167 ± 0.0006
invariant mass sorted by North 80 tower (row: 4 , col: 15) _by_Ntower_80
Entries 4833
Mean 0.1788
RMS 0.08875
χ² / ndf 46.64 / 42
p0 13.12 ± 1.12
p1 0.01055 ± 0.00168
p2 0.25 ± 0.02
p3 0.6672 ± 0.0491
p4 200.4 ± 8.7
mean 0.1346 ± 0.0007
sigma 0.0176 ± 0.0007
invariant mass sorted by North 81 tower (row: 4 , col: 16) _by_Ntower_81
Entries 3691
Mean 0.1768
RMS 0.08785
χ² / ndf 57.33 / 42
p0 10.13 ± 0.97
p1 0.01008 ± 0.00231
p2 0.25 ± 0.23
p3 0.6855 ± 0.0558
p4 157.2 ± 8.1
mean 0.136 ± 0.001
sigma 0.01801 ± 0.00086
invariant mass sorted by North 82 tower (row: 4 , col: 17) _by_Ntower_82
Entries 3042
Mean 0.1726
RMS 0.08866
χ² / ndf 44.59 / 42
p0 6.197 ± 0.588
p1 0.01163 ± 0.00060
p2 0.25 ± 0.02
p3 0.4971 ± 0.0480
p4 131.5 ± 7.1
mean 0.1347 ± 0.0008
sigma 0.01755 ± 0.00075
invariant mass sorted by North 83 tower (row: 4 , col: 18) _by_Ntower_83
Entries 5762
Mean 0.1891
RMS 0.1021
χ² / ndf 93.13 / 42
p0 156.3 ± 76.5
p1 −1.391 ± 0.162
p2 0.1228 ± 0.0057
p3 15.28 ± 1.52
p4 147.1 ± 7.5
mean 0.1357 ± 0.0009
sigma 0.01827 ± 0.00083
invariant mass sorted by North 84 tower (row: 4 , col: 19) _by_Ntower_84
Entries 4069
Mean 0.1817
RMS 0.1031
χ² / ndf 101.8 / 42
p0 0.6619 ± 0.6007
p1 −2.222 ± 0.219
p2 0.25 ± 0.00
p3 11.54 ± 0.84
p4 108 ± 6.2
mean 0.1334 ± 0.0010
sigma 0.01689 ± 0.00097
invariant mass sorted by North 85 tower (row: 4 , col: 20) _by_Ntower_85
Entries 2618
Mean 0.1847
RMS 0.1076
χ² / ndf 99.78 / 42
p0 0.5647 ± 0.6269
p1 −1.979 ± 0.233
p2 0.25 ± 0.00
p3 11.52 ± 1.05
p4 60.48 ± 5.64
mean 0.1355 ± 0.0012
sigma 0.01514 ± 0.00132
invariant mass sorted by North 86 tower (row: 4 , col: 21) _by_Ntower_86
Entries 2409
Mean 0.1796
RMS 0.1072
χ² / ndf 61.33 / 42
p0 4.529 ± 3.737
p1 −3.017 ± 0.498
p2 0.2146 ± 0.0160
p3 10.99 ± 1.37
p4 41.28 ± 4.60
mean 0.1369 ± 0.0015
sigma 0.01342 ± 0.00138
invariant mass sorted by North 87 tower (row: 4 , col: 22) _by_Ntower_87
Entries 463
Mean 0.1898
RMS 0.1127
χ² / ndf 42.72 / 41
p0 1.021 ± 1.691
p1 −2.246 ± 0.712
p2 0.25 ± 0.00
p3 9.279 ± 1.871
p4 9.816 ± 2.128
mean 0.1209 ± 0.0032
sigma 0.01307 ± 0.00229
invariant mass [GeV]

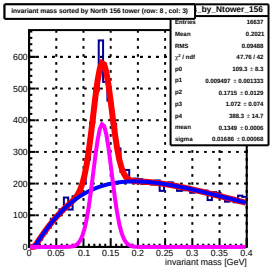

invariant mass sorted by North 88 tower (row: 5 , col: 1)
Entries 7746
Mean 0.2249
RMS 0.09828
χ² / ndf 34.36 / 42
p0 72.3 ± 5.9
p1 0.006021 ± 0.003028
p2 0.25 ± 0.04
p3 1.157 ± 0.060
p4 90.41 ± 7.46
mean 0.1346 ± 0.0016
sigma 0.01825 ± 0.00185
invariant mass sorted by North 89 tower (row: 5 , col: 2)
Entries 9792
Mean 0.2087
RMS 0.09661
χ² / ndf 39.05 / 42
p0 63.78 ± 3.69
p1 0.0107 ± 0.0011
p2 0.25 ± 0.01
p3 1.006 ± 0.037
p4 262.5 ± 11.4
mean 0.1355 ± 0.0006
sigma 0.01618 ± 0.00065
invariant mass sorted by North 90 tower (row: 5 , col: 3)
Entries 9175
Mean 0.2033
RMS 0.09467
χ² / ndf 44.56 / 42
p0 61 ± 6.5
p1 0.000981 ± 0.003438
p2 0.2075 ± 0.0305
p3 1.106 ± 0.142
p4 267.8 ± 11.1
mean 0.1339 ± 0.0007
sigma 0.01679 ± 0.00067
invariant mass sorted by North 91 tower (row: 5 , col: 4)
Entries 10274
Mean 0.1924
RMS 0.09257
χ² / ndf 47.78 / 41
p0 48.55 ± 3.71
p1 0.01281 ± 0.00341
p2 0.25 ± 0.02
p3 0.8088 ± 0.0504
p4 382.2 ± 12.5
mean 0.1351 ± 0.0005
sigma 0.01768 ± 0.00055
invariant mass sorted by North 92 tower (row: 5 , col: 5)
Entries 9032
Mean 0.1948
RMS 0.09193
χ² / ndf 62.03 / 42
p0 48.86 ± 3.59
p1 0.01054 ± 0.00139
p2 0.1972 ± 0.0238
p3 1.005 ± 0.097
p4 335.3 ± 12.8
mean 0.1355 ± 0.0006
sigma 0.0165 ± 0.0007
invariant mass sorted by North 93 tower (row: 5 , col: 6)
Entries 8495
Mean 0.189
RMS 0.089
χ² / ndf 59.32 / 41
p0 54.37 ± 14.27
p1 0.007275 ± 0.006598
p2 0.1471 ± 0.0191
p3 1.24 ± 0.20
p4 351.9 ± 12.7
mean 0.1357 ± 0.0005
sigma 0.01656 ± 0.00060
invariant mass sorted by North 94 tower (row: 5 , col: 7)
Entries 7095
Mean 0.1932
RMS 0.08925
χ² / ndf 44.69 / 42
p0 65.13 ± 16.96
p1 0.005456 ± 0.004363
p2 0.1365 ± 0.0167
p3 1.449 ± 0.187
p4 294.4 ± 11.3
mean 0.1354 ± 0.0006
sigma 0.01676 ± 0.00064
invariant mass sorted by North 95 tower (row: 5 , col: 8)
Entries 6840
Mean 0.194
RMS 0.093
χ² / ndf 51.27 / 42
p0 36.09 ± 2.11
p1 0.01151 ± 0.00068
p2 0.24 ± 0.03
p3 0.8508 ± 0.0932
p4 283.5 ± 11.2
mean 0.1352 ± 0.0006
sigma 0.01599 ± 0.00060
invariant mass sorted by North 96 tower (row: 5 , col: 9)
Entries 7816
Mean 0.1885
RMS 0.08972
χ² / ndf 31.59 / 42
p0 37.65 ± 2.87
p1 0.009481 ± 0.002190
p2 0.2185 ± 0.0341
p3 0.9699 ± 0.1239
p4 378.6 ± 12.7
mean 0.1353 ± 0.0005
sigma 0.01581 ± 0.00049
invariant mass sorted by North 97 tower (row: 5 , col: 10)
Entries 6856
Mean 0.1879
RMS 0.08946
χ² / ndf 45.66 / 41
p0 33.54 ± 6.59
p1 0.007475 ± 0.008413
p2 0.1987 ± 0.0384
p3 0.8981 ± 0.2203
p4 320.2 ± 11.9
mean 0.1353 ± 0.0005
sigma 0.01616 ± 0.00057
invariant mass sorted by North 98 tower (row: 5 , col: 11)
Entries 5971
Mean 0.185
RMS 0.09008
χ² / ndf 64.84 / 42
p0 25.28 ± 1.70
p1 0.01148 ± 0.00067
p2 0.25 ± 0.03
p3 0.7862 ± 0.0395
p4 278.9 ± 9.8
mean 0.1346 ± 0.0006
sigma 0.01764 ± 0.00058
invariant mass sorted by North 99 tower (row: 5 , col: 12)
Entries 5893
Mean 0.1836
RMS 0.08841
χ² / ndf 55.49 / 42
p0 21.88 ± 1.47
p1 0.01153 ± 0.00075
p2 0.2328 ± 0.0414
p3 0.7835 ± 0.1188
p4 280 ± 10.6
mean 0.1355 ± 0.0006
sigma 0.01719 ± 0.00063
invariant mass sorted by North 100 tower (row: 5 , col: 13)
Entries 4883
Mean 0.1834
RMS 0.08993
χ² / ndf 57.96 / 42
p0 19.14 ± 1.59
p1 0.01036 ± 0.00161
p2 0.25 ± 0.03
p3 0.7566 ± 0.0498
p4 228.3 ± 9.3
mean 0.1343 ± 0.0006
sigma 0.01708 ± 0.00059
invariant mass sorted by North 101 tower (row: 5 , col: 14)
Entries 5076
Mean 0.1835
RMS 0.08948
χ² / ndf 58.72 / 42
p0 18.38 ± 1.27
p1 0.01159 ± 0.00064
p2 0.25 ± 0.04
p3 0.7382 ± 0.0397
p4 235.4 ± 9.2
mean 0.135 ± 0.001
sigma 0.01698 ± 0.00062
invariant mass sorted by North 102 tower (row: 5 , col: 15)
Entries 3890
Mean 0.1836
RMS 0.09084
χ² / ndf 49.19 / 42
p0 14.18 ± 1.62
p1 0.009227 ± 0.003003
p2 0.25 ± 0.01
p3 0.7689 ± 0.0715
p4 174.7 ± 7.9
mean 0.1345 ± 0.0007
sigma 0.01768 ± 0.00065
invariant mass sorted by North 103 tower (row: 5 , col: 16)
Entries 3614
Mean 0.1781
RMS 0.08669
χ² / ndf 32.73 / 41
p0 14.43 ± 4.77
p1 −0.01763 ± 0.03236
p2 0.25 ± 0.18
p3 0.9097 ± 0.2467
p4 168.7 ± 7.6
mean 0.1349 ± 0.0008
sigma 0.01849 ± 0.00076
invariant mass sorted by North 104 tower (row: 5 , col: 17)
Entries 2132
Mean 0.1819
RMS 0.09286
χ² / ndf 45.52 / 42
p0 6.243 ± 0.767
p1 0.01137 ± 0.00111
p2 0.25 ± 0.01
p3 0.6014 ± 0.0687
p4 84.41 ± 5.28
mean 0.1358 ± 0.0011
sigma 0.01882 ± 0.00112
invariant mass sorted by North 105 tower (row: 5 , col: 18)
Entries 3687
Mean 0.1831
RMS 0.09694
χ² / ndf 70.84 / 42
p0 93.48 ± 41.99
p1 −1.445 ± 0.266
p2 0.131 ± 0.026
p3 13.82 ± 4.73
p4 109.1 ± 6.3
mean 0.1347 ± 0.0009
sigma 0.01874 ± 0.00096
invariant mass sorted by North 106 tower (row: 5 , col: 19)
Entries 3927
Mean 0.1839
RMS 0.1037
χ² / ndf 75.63 / 42
p0 3.19 ± 3.64
p1 −1.977 ± 0.233
p2 0.2474 ± 0.0046
p3 10.1 ± 1.1
p4 92.71 ± 5.63
mean 0.1348 ± 0.0011
sigma 0.01811 ± 0.00094
invariant mass sorted by North 107 tower (row: 5 , col: 20)
Entries 3576
Mean 0.187
RMS 0.1087
χ² / ndf 125.7 / 42
p0 1.616 ± 1.589
p1 −2.183 ± 0.252
p2 0.2495 ± 0.0013
p3 10.54 ± 0.98
p4 71.77 ± 5.71
mean 0.135 ± 0.001
sigma 0.0163 ± 0.0012
invariant mass sorted by North 108 tower (row: 5 , col: 21)
Entries 2659
Mean 0.1875
RMS 0.1081
χ² / ndf 93.78 / 42
p0 5.496 ± 3.343
p1 −1.634 ± 0.128
p2 0.2065 ± 0.0196
p3 10.65 ± 1.25
p4 40.43 ± 3.52
mean 0.1333 ± 0.0019
sigma 0.01963 ± 0.00133
invariant mass sorted by North 109 tower (row: 5 , col: 22)
Entries 124
Mean 0.1628
RMS 0.114
invariant mass [GeV]

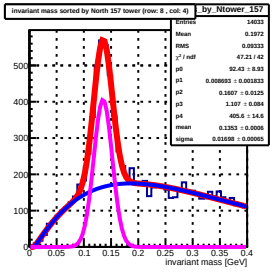

invariant mass sorted by North 110 tower (row: 6 , col: 1) _by_Ntower_110
Entries 9405
Mean 0.2223
RMS 0.09876
χ² / ndf 35.84 / 42
p0 74.46 ± 4.01
p1 0.01047 ± 0.00129
p2 0.25 ± 0.02
p3 0.9899 ± 0.0352
p4 107.9 ± 9.2
mean 0.1344 ± 0.0013
sigma 0.01573 ± 0.00149
invariant mass sorted by North 111 tower (row: 6 , col: 2) _by_Ntower_111
Entries 11828
Mean 0.2076
RMS 0.09723
χ² / ndf 49.56 / 42
p0 72.23 ± 3.53
p1 0.01086 ± 0.00084
p2 0.25 ± 0.01
p3 0.9087 ± 0.0300
p4 289.7 ± 11.9
mean 0.1338 ± 0.0006
sigma 0.01578 ± 0.00084
invariant mass sorted by North 112 tower (row: 6 , col: 3) _by_Ntower_112
Entries 11174
Mean 0.2024
RMS 0.09512
χ² / ndf 39.84 / 42
p0 65.76 ± 3.12
p1 0.01058 ± 0.00123
p2 0.2341 ± 0.0283
p3 0.899 ± 0.087
p4 312.9 ± 12.1
mean 0.1347 ± 0.0006
sigma 0.01669 ± 0.00062
invariant mass sorted by North 113 tower (row: 6 , col: 4) _by_Ntower_113
Entries 10723
Mean 0.1956
RMS 0.09271
χ² / ndf 42.67 / 42
p0 57.2 ± 3.0
p1 0.01117 ± 0.00085
p2 0.2139 ± 0.0236
p3 0.9215 ± 0.0806
p4 380.3 ± 13.3
mean 0.1349 ± 0.0005
sigma 0.01665 ± 0.00057
invariant mass sorted by North 114 tower (row: 6 , col: 5) _by_Ntower_114
Entries 10503
Mean 0.1932
RMS 0.0908
χ² / ndf 47.52 / 42
p0 68.3 ± 8.6
p1 0.008935 ± 0.002119
p2 0.1551 ± 0.0146
p3 1.178 ± 0.105
p4 401 ± 14.2
mean 0.1357 ± 0.0005
sigma 0.01618 ± 0.00066
invariant mass sorted by North 115 tower (row: 6 , col: 6) _by_Ntower_115
Entries 8838
Mean 0.1937
RMS 0.09194
χ² / ndf 34.89 / 42
p0 49.94 ± 4.36
p1 0.009901 ± 0.001804
p2 0.1896 ± 0.0219
p3 0.9919 ± 0.1009
p4 323.7 ± 11.7
mean 0.1356 ± 0.0006
sigma 0.01767 ± 0.00063
invariant mass sorted by North 116 tower (row: 6 , col: 7) _by_Ntower_116
Entries 8074
Mean 0.1913
RMS 0.09071
χ² / ndf 50.33 / 41
p0 50.28 ± 11.53
p1 0.004161 ± 0.008397
p2 0.1771 ± 0.0281
p3 1.104 ± 0.232
p4 323.5 ± 11.9
mean 0.1367 ± 0.0006
sigma 0.0179 ± 0.0007
invariant mass sorted by North 117 tower (row: 6 , col: 8) _by_Ntower_117
Entries 8310
Mean 0.1946
RMS 0.09034
χ² / ndf 35.17 / 42
p0 55.75 ± 6.22
p1 0.01022 ± 0.00160
p2 0.1734 ± 0.0200
p3 1.158 ± 0.112
p4 340.2 ± 12.1
mean 0.1361 ± 0.0006
sigma 0.01701 ± 0.00058
invariant mass sorted by North 118 tower (row: 6 , col: 9) _by_Ntower_118
Entries 8366
Mean 0.1923
RMS 0.09
χ² / ndf 64.57 / 42
p0 53.49 ± 6.36
p1 0.009886 ± 0.001650
p2 0.1717 ± 0.0204
p3 1.157 ± 0.114
p4 361.8 ± 12.6
mean 0.1356 ± 0.0005
sigma 0.01682 ± 0.00063
invariant mass sorted by North 119 tower (row: 6 , col: 10) _by_Ntower_119
Entries 7900
Mean 0.1897
RMS 0.08999
χ² / ndf 57.85 / 42
p0 40.62 ± 2.88
p1 0.0104 ± 0.0015
p2 0.2091 ± 0.0293
p3 0.9514 ± 0.1085
p4 378.3 ± 12.5
mean 0.1353 ± 0.0005
sigma 0.01594 ± 0.00050
invariant mass sorted by North 120 tower (row: 6 , col: 11) _by_Ntower_120
Entries 7223
Mean 0.1869
RMS 0.08831
χ² / ndf 50.78 / 42
p0 37.86 ± 4.48
p1 0.009405 ± 0.002263
p2 0.1795 ± 0.0241
p3 1.071 ± 0.125
p4 346.7 ± 12.0
mean 0.1353 ± 0.0005
sigma 0.01687 ± 0.00054
invariant mass sorted by North 121 tower (row: 6 , col: 12) _by_Ntower_121
Entries 6207
Mean 0.1903
RMS 0.09023
χ² / ndf 39.31 / 42
p0 32.61 ± 2.32
p1 0.01093 ± 0.00133
p2 0.2218 ± 0.0364
p3 0.9348 ± 0.1213
p4 309 ± 11.7
mean 0.1351 ± 0.0005
sigma 0.01552 ± 0.00053
invariant mass sorted by North 122 tower (row: 6 , col: 13) _by_Ntower_122
Entries 6000
Mean 0.1867
RMS 0.08875
χ² / ndf 57.12 / 42
p0 28.74 ± 2.80
p1 0.01002 ± 0.00236
p2 0.2064 ± 0.0334
p3 0.9747 ± 0.1325
p4 284.8 ± 10.8
mean 0.1348 ± 0.0006
sigma 0.01706 ± 0.00062
invariant mass sorted by North 123 tower (row: 6 , col: 14) _by_Ntower_123
Entries 5225
Mean 0.188
RMS 0.08892
χ² / ndf 37.62 / 42
p0 27.24 ± 4.76
p1 0.006147 ± 0.005438
p2 0.2001 ± 0.0425
p3 1.055 ± 0.216
p4 245.5 ± 10.1
mean 0.1352 ± 0.0006
sigma 0.01671 ± 0.00064
invariant mass sorted by North 124 tower (row: 6 , col: 15) _by_Ntower_124
Entries 4542
Mean 0.185
RMS 0.08897
χ² / ndf 36.95 / 42
p0 18.38 ± 1.43
p1 0.01128 ± 0.00106
p2 0.25 ± 0.22
p3 0.7988 ± 0.0462
p4 200.2 ± 8.7
mean 0.1357 ± 0.0007
sigma 0.0183 ± 0.0007
invariant mass sorted by North 125 tower (row: 6 , col: 16) _by_Ntower_125
Entries 2998
Mean 0.1878
RMS 0.0915
χ² / ndf 58.83 / 42
p0 16.43 ± 3.35
p1 0.0001688 ± 0.0104536
p2 0.25 ± 0.03
p3 1.007 ± 0.156
p4 131.7 ± 6.8
mean 0.1352 ± 0.0009
sigma 0.01903 ± 0.00095
invariant mass sorted by North 126 tower (row: 6 , col: 17) _by_Ntower_126
Entries 2467
Mean 0.1834
RMS 0.08974
χ² / ndf 33.54 / 42
p0 8.384 ± 0.846
p1 0.01129 ± 0.00123
p2 0.25 ± 0.20
p3 0.6924 ± 0.0969
p4 102.1 ± 6.5
mean 0.1363 ± 0.0010
sigma 0.01777 ± 0.00103
invariant mass sorted by North 127 tower (row: 6 , col: 18) _by_Ntower_127
Entries 3974
Mean 0.1846
RMS 0.09567
χ² / ndf 43.5 / 41
p0 45.19 ± 31.16
p1 -1.511 ± 0.181
p2 0.1526 ± 0.0200
p3 12.54 ± 2.55
p4 125.8 ± 6.5
mean 0.1356 ± 0.0009
sigma 0.01843 ± 0.00085
invariant mass sorted by North 128 tower (row: 6 , col: 19) _by_Ntower_128
Entries 4070
Mean 0.1823
RMS 0.09923
χ² / ndf 62.02 / 42
p0 59.42 ± 31.07
p1 -1.479 ± 0.129
p2 0.1421 ± 0.0130
p3 13.31 ± 1.80
p4 127.7 ± 7.4
mean 0.1349 ± 0.0008
sigma 0.01724 ± 0.00086
invariant mass sorted by North 129 tower (row: 6 , col: 20) _by_Ntower_129
Entries 4094
Mean 0.1923
RMS 0.1057
χ² / ndf 113.1 / 42
p0 104.1 ± 38.5
p1 -1.299 ± 0.062
p2 0.1218 ± 0.0142
p3 15.88 ± 1.94
p4 92.96 ± 6.77
mean 0.1357 ± 0.0010
sigma 0.01757 ± 0.00126
invariant mass sorted by North 130 tower (row: 6 , col: 21) _by_Ntower_130
Entries 3637
Mean 0.1958
RMS 0.1094
χ² / ndf 95.89 / 42
p0 0.2683 ± 0.1276
p1 -2.05 ± 0.12
p2 0.25 ± 0.00
p3 12.77 ± 0.49
p4 70.82 ± 5.08
mean 0.1355 ± 0.0012
sigma 0.01748 ± 0.00100
invariant mass sorted by North 131 tower (row: 6 , col: 22) _by_Ntower_131
Entries 674
Mean 0.1963
RMS 0.1047
χ² / ndf 35.4 / 41
p0 11.54 ± 20.14
p1 -1.779 ± 0.491
p2 0.1551 ± 0.0129
p3 12.23 ± 1.93
p4 7.884 ± 1.769
mean 0.1294 ± 0.0059
sigma 0.02477 ± 0.00472
invariant mass [GeV]

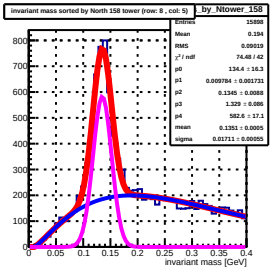

invariant mass sorted by North 132 tower (row: 7 , col: 1)
_by_Ntower_132
Entries 11892
Mean 0.2185
RMS 0.09786
χ² / ndf 44.37 / 42
p0 88.38 ± 3.50
p1 0.01142 ± 0.00073
p2 0.2286 ± 0.0253
p3 0.9852 ± 0.0748
p4 123.8 ± 9.6
mean 0.1346 ± 0.0015
sigma 0.01985 ± 0.00192
invariant mass sorted by North 133 tower (row: 7 , col: 2)
_by_Ntower_133
Entries 13092
Mean 0.2093
RMS 0.09707
χ² / ndf 42.79 / 42
p0 91.14 ± 6.60
p1 0.006779 ± 0.002831
p2 0.2234 ± 0.0287
p3 1.019 ± 0.114
p4 269.9 ± 11.8
mean 0.1344 ± 0.0007
sigma 0.01762 ± 0.00085
invariant mass sorted by North 134 tower (row: 7 , col: 3)
_by_Ntower_134
Entries 12395
Mean 0.2045
RMS 0.09645
χ² / ndf 47.36 / 42
p0 72.48 ± 2.94
p1 0.01179 ± 0.00027
p2 0.2401 ± 0.0248
p3 0.8377 ± 0.0661
p4 282.9 ± 12.2
mean 0.1346 ± 0.0007
sigma 0.01698 ± 0.00076
invariant mass sorted by North 135 tower (row: 7 , col: 4)
_by_Ntower_135
Entries 11942
Mean 0.1963
RMS 0.0932
χ² / ndf 59.16 / 42
p0 69.87 ± 6.68
p1 0.007939 ± 0.002160
p2 0.1825 ± 0.0190
p3 1.019 ± 0.102
p4 384.6 ± 13.9
mean 0.1357 ± 0.0006
sigma 0.01633 ± 0.00060
invariant mass sorted by North 136 tower (row: 7 , col: 5)
_by_Ntower_136
Entries 12085
Mean 0.193
RMS 0.0916
χ² / ndf 63.16 / 42
p0 75.54 ± 6.48
p1 0.01084 ± 0.00122
p2 0.1588 ± 0.0127
p3 1.116 ± 0.076
p4 449.1 ± 14.8
mean 0.1354 ± 0.0005
sigma 0.01694 ± 0.00058
invariant mass sorted by North 137 tower (row: 7 , col: 6)
_by_Ntower_137
Entries 11734
Mean 0.1905
RMS 0.08965
χ² / ndf 68.09 / 42
p0 80.31 ± 9.19
p1 0.01046 ± 0.00157
p2 0.1494 ± 0.0125
p3 1.215 ± 0.091
p4 491.4 ± 14.3
mean 0.1347 ± 0.0005
sigma 0.01732 ± 0.00053
invariant mass sorted by North 138 tower (row: 7 , col: 7)
_by_Ntower_138
Entries 12846
Mean 0.1908
RMS 0.08918
χ² / ndf 79.5 / 42
p0 87 ± 9.7
p1 0.01011 ± 0.00142
p2 0.1518 ± 0.0129
p3 1.211 ± 0.092
p4 570.4 ± 16.4
mean 0.1352 ± 0.0004
sigma 0.01666 ± 0.00049
invariant mass sorted by North 139 tower (row: 7 , col: 8)
_by_Ntower_139
Entries 13119
Mean 0.1909
RMS 0.08862
χ² / ndf 69.23 / 42
p0 107.1 ± 13.6
p1 0.01033 ± 0.00157
p2 0.1401 ± 0.0109
p3 1.361 ± 0.095
p4 621.3 ± 16.6
mean 0.1348 ± 0.0004
sigma 0.01619 ± 0.00041
invariant mass sorted by North 140 tower (row: 7 , col: 9)
_by_Ntower_140
Entries 10214
Mean 0.1919
RMS 0.09061
χ² / ndf 81.02 / 42
p0 60.21 ± 4.17
p1 0.01106 ± 0.00094
p2 0.1922 ± 0.0215
p3 1.045 ± 0.089
p4 475.2 ± 14.6
mean 0.1356 ± 0.0004
sigma 0.01627 ± 0.00049
invariant mass sorted by North 141 tower (row: 7 , col: 10)
_by_Ntower_141
Entries 9369
Mean 0.1878
RMS 0.08819
χ² / ndf 54.91 / 42
p0 66.31 ± 11.14
p1 0.007692 ± 0.002857
p2 0.1464 ± 0.0151
p3 1.287 ± 0.130
p4 463.2 ± 14.4
mean 0.1352 ± 0.0004
sigma 0.01593 ± 0.00049
invariant mass sorted by North 142 tower (row: 7 , col: 11)
_by_Ntower_142
Entries 7232
Mean 0.191
RMS 0.08838
χ² / ndf 39.62 / 42
p0 67.26 ± 18.43
p1 0.006155 ± 0.004037
p2 0.1313 ± 0.0160
p3 1.463 ± 0.191
p4 326.9 ± 12.0
mean 0.135 ± 0.001
sigma 0.01638 ± 0.00057
invariant mass sorted by North 143 tower (row: 7 , col: 12)
_by_Ntower_143
Entries 6644
Mean 0.1879
RMS 0.08853
χ² / ndf 44.24 / 42
p0 48.75 ± 10.29
p1 0.006119 ± 0.004582
p2 0.1451 ± 0.0175
p3 1.295 ± 0.167
p4 317.9 ± 12.4
mean 0.1352 ± 0.0005
sigma 0.01569 ± 0.00060
invariant mass sorted by North 144 tower (row: 7 , col: 13)
_by_Ntower_144
Entries 5760
Mean 0.1881
RMS 0.08942
χ² / ndf 39.34 / 42
p0 34.34 ± 8.71
p1 0.002523 ± 0.006816
p2 0.1714 ± 0.0315
p3 1.16 ± 0.23
p4 266.5 ± 10.7
mean 0.1355 ± 0.0006
sigma 0.01647 ± 0.00061
invariant mass sorted by North 145 tower (row: 7 , col: 14)
_by_Ntower_145
Entries 5341
Mean 0.1859
RMS 0.08806
χ² / ndf 60.08 / 42
p0 27.54 ± 4.30
p1 0.01007 ± 0.00288
p2 0.1665 ± 0.0247
p3 1.12 ± 0.15
p4 252.7 ± 10.2
mean 0.1358 ± 0.0006
sigma 0.01699 ± 0.00068
invariant mass sorted by North 146 tower (row: 7 , col: 15)
_by_Ntower_146
Entries 4977
Mean 0.1885
RMS 0.09061
χ² / ndf 47.7 / 42
p0 23.86 ± 2.66
p1 0.0107 ± 0.0017
p2 0.25 ± 0.03
p3 0.9006 ± 0.0547
p4 225 ± 9.2
mean 0.1351 ± 0.0006
sigma 0.01734 ± 0.00067
invariant mass sorted by North 147 tower (row: 7 , col: 16)
_by_Ntower_147
Entries 4071
Mean 0.1818
RMS 0.08596
χ² / ndf 42.66 / 42
p0 16.69 ± 2.92
p1 0.009553 ± 0.002927
p2 0.1788 ± 0.0362
p3 1.010 ± 0.187
p4 186 ± 8.8
mean 0.1353 ± 0.0007
sigma 0.01773 ± 0.00083
invariant mass sorted by North 148 tower (row: 7 , col: 17)
_by_Ntower_148
Entries 3124
Mean 0.1807
RMS 0.08873
χ² / ndf 56.89 / 41
p0 13.04 ± 2.82
p1 0.0088499 ± 0.0156542
p2 0.25 ± 0.19
p3 0.8405 ± 0.1514
p4 155 ± 7.6
mean 0.136 ± 0.001
sigma 0.01709 ± 0.00073
invariant mass sorted by North 149 tower (row: 7 , col: 18)
_by_Ntower_149
Entries 4426
Mean 0.1877
RMS 0.09663
χ² / ndf 66.78 / 42
p0 139.2 ± 96.7
p1 -1.361 ± 0.138
p2 0.1194 ± 0.0074
p3 15.87 ± 1.75
p4 162.4 ± 7.7
mean 0.1354 ± 0.0007
sigma 0.01693 ± 0.00071
invariant mass sorted by North 150 tower (row: 7 , col: 19)
_by_Ntower_150
Entries 3126
Mean 0.1828
RMS 0.101
χ² / ndf 93.06 / 42
p0 5.178 ± 0.534
p1 0.01199 ± 0.00003
p2 0.25 ± 0.01
p3 0.3778 ± 0.0504
p4 96.37 ± 6.58
mean 0.1336 ± 0.0010
sigma 0.01473 ± 0.00084
invariant mass sorted by North 151 tower (row: 7 , col: 20)
_by_Ntower_151
Entries 3996
Mean 0.1911
RMS 0.1049
χ² / ndf 53.93 / 42
p0 2.451 ± 2.228
p1 -1.881 ± 0.198
p2 0.2477 ± 0.0039
p3 18.66 ± 0.95
p4 92.45 ± 6.31
mean 0.1357 ± 0.0011
sigma 0.01694 ± 0.00105
invariant mass sorted by North 152 tower (row: 7 , col: 21)
_by_Ntower_152
Entries 2662
Mean 0.192
RMS 0.1071
χ² / ndf 85.17 / 42
p0 0.3612 ± 0.3041
p1 -1.735 ± 0.135
p2 0.25 ± 0.00
p3 12.67 ± 0.81
p4 61.67 ± 4.76
mean 0.1351 ± 0.0013
sigma 0.01751 ± 0.00122
invariant mass sorted by North 153 tower (row: 7 , col: 22)
_by_Ntower_153
Entries 645
Mean 0.1982
RMS 0.1084
χ² / ndf 68.56 / 42
p0 2.124 ± 1.328
p1 0.004689 ± 0.028908
p2 0.25 ± 0.03
p3 0.6039 ± 0.3946
p4 11.42 ± 2.77
mean 0.1275 ± 0.0045
sigma 0.0159 ± 0.0057
invariant mass [GeV]

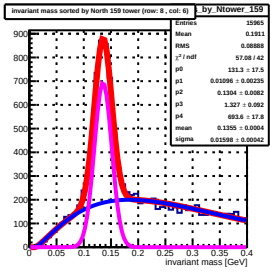

invariant mass sorted by North 154 tower (row: 8 , col: 1)
_by_Ntower_154
Entries 15153
Mean 0.2162
RMS 0.09711
χ² / ndf 58.55 / 42
p0 117.8 ± 6.9
p1 0.01027 ± 0.00124
p2 0.1989 ± 0.0189
p3 1.097 ± 0.077
p4 162.5 ± 10.3
mean 0.1354 ± 0.0014
sigma 0.02243 ± 0.00173
invariant mass [GeV]

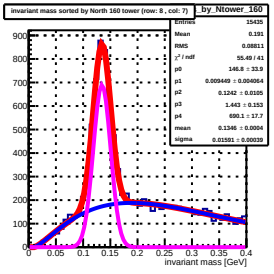

invariant mass sorted by North 155 tower (row: 8 , col: 2)
_by_Ntower_155
Entries 17443
Mean 0.2079
RMS 0.09544
χ² / ndf 48.84 / 42
p0 123.5 ± 8.1
p1 0.01013 ± 0.00105
p2 0.1744 ± 0.0136
p3 1.116 ± 0.075
p4 331.6 ± 14.5
mean 0.1344 ± 0.0007
sigma 0.01663 ± 0.00083
invariant mass [GeV]

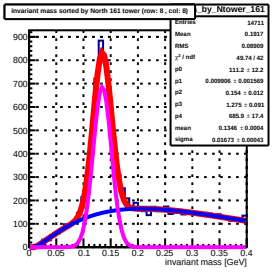

invariant mass sorted by North 156 tower (row: 8 , col: 3)
_by_Ntower_156
Entries 16637
Mean 0.2021
RMS 0.09488
χ² / ndf 47.76 / 42
p0 109.3 ± 8.3
p1 0.009497 ± 0.001333
p2 0.1715 ± 0.0129
p3 1.072 ± 0.074
p4 388.3 ± 14.7
mean 0.1349 ± 0.0006
sigma 0.01686 ± 0.00068
invariant mass [GeV]

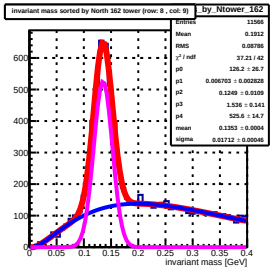

invariant mass sorted by North 157 tower (row: 8 , col: 4)
_by_Ntower_157
Entries 14035
Mean 0.1972
RMS 0.09333
χ² / ndf 47.21 / 42
p0 92.40 ± 8.93
p1 0.008693 ± 0.001833
p2 0.1607 ± 0.0125
p3 1.107 ± 0.084
p4 405.6 ± 14.6
mean 0.1353 ± 0.0006
sigma 0.01698 ± 0.00065
invariant mass [GeV]

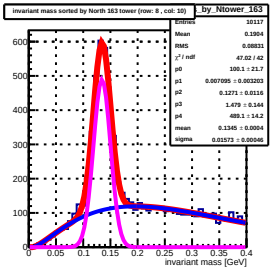

invariant mass sorted by North 158 tower (row: 8 , col: 5)
_by_Ntower_158
Entries 15898
Mean 0.194
RMS 0.09019
χ² / ndf 76.48 / 42
p0 134.4 ± 16.3
p1 0.009784 ± 0.001731
p2 0.1345 ± 0.0088
p3 1.329 ± 0.086
p4 582.6 ± 17.1
mean 0.1351 ± 0.0005
sigma 0.01711 ± 0.00055
invariant mass [GeV]

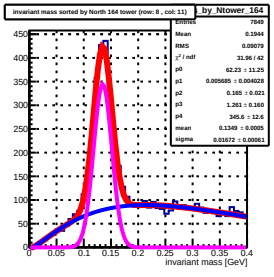

invariant mass sorted by North 159 tower (row: 8 , col: 6)
_by_Ntower_159
Entries 15965
Mean 0.1911
RMS 0.08888
χ² / ndf 57.08 / 42
p0 131.3 ± 17.5
p1 0.01096 ± 0.00235
p2 0.1304 ± 0.0082
p3 1.327 ± 0.092
p4 693.6 ± 17.8
mean 0.1355 ± 0.0004
sigma 0.01598 ± 0.00042
invariant mass [GeV]

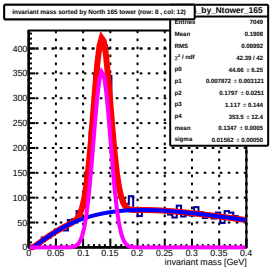

invariant mass sorted by North 160 tower (row: 8 , col: 7)
_by_Ntower_160
Entries 15435
Mean 0.191
RMS 0.08811
χ² / ndf 55.49 / 41
p0 146.8 ± 33.9
p1 0.009449 ± 0.004064
p2 0.1242 ± 0.0105
p3 1.443 ± 0.153
p4 690.1 ± 17.7
mean 0.1346 ± 0.0004
sigma 0.01591 ± 0.00039
invariant mass [GeV]

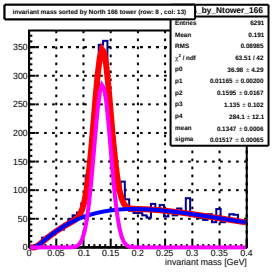

invariant mass sorted by North 161 tower (row: 8 , col: 8)
_by_Ntower_161
Entries 14711
Mean 0.1917
RMS 0.08909
χ² / ndf 49.74 / 42
p0 111.2 ± 12.2
p1 0.009906 ± 0.001569
p2 0.154 ± 0.012
p3 1.275 ± 0.091
p4 685.9 ± 17.4
mean 0.1346 ± 0.0004
sigma 0.01673 ± 0.00043
invariant mass [GeV]

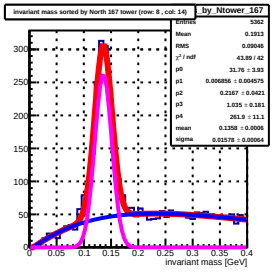

invariant mass sorted by North 162 tower (row: 8 , col: 9)
_by_Ntower_162
Entries 11566
Mean 0.1912
RMS 0.08786
χ² / ndf 37.21 / 42
p0 126.2 ± 26.7
p1 0.006703 ± 0.002828
p2 0.1249 ± 0.0109
p3 1.536 ± 0.141
p4 525.6 ± 14.7
mean 0.1353 ± 0.0004
sigma 0.01712 ± 0.00046
invariant mass [GeV]

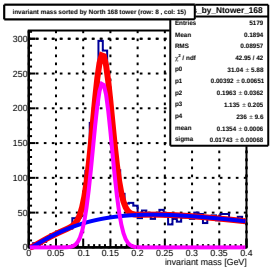

invariant mass sorted by North 163 tower (row: 8 , col: 10)
_by_Ntower_163
Entries 10117
Mean 0.1904
RMS 0.08831
χ² / ndf 47.62 / 42
p0 100.1 ± 21.7
p1 0.007095 ± 0.003203
p2 0.1271 ± 0.0116
p3 1.479 ± 0.164
p4 489.1 ± 14.2
mean 0.1345 ± 0.0004
sigma 0.01573 ± 0.00046
invariant mass [GeV]

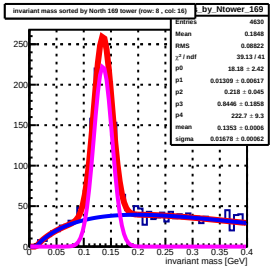

invariant mass sorted by North 164 tower (row: 8 , col: 11)
_by_Ntower_164
Entries 7849
Mean 0.1944
RMS 0.09079
χ² / ndf 31.96 / 42
p0 62.23 ± 13.25
p1 0.005685 ± 0.004028
p2 0.165 ± 0.021
p3 1.261 ± 0.160
p4 345.6 ± 12.6
mean 0.1349 ± 0.0005
sigma 0.01672 ± 0.00061
invariant mass [GeV]

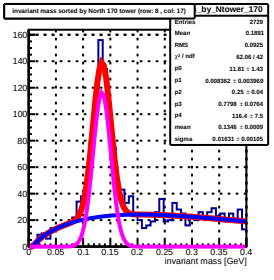

invariant mass sorted by North 165 tower (row: 8 , col: 12)
_by_Ntower_165
Entries 7049
Mean 0.1908
RMS 0.08992
χ² / ndf 42.39 / 42
p0 44.68 ± 6.25
p1 0.007872 ± 0.003121
p2 0.1797 ± 0.0251
p3 1.117 ± 0.144
p4 353.5 ± 12.4
mean 0.1347 ± 0.0005
sigma 0.01562 ± 0.00050
invariant mass [GeV]

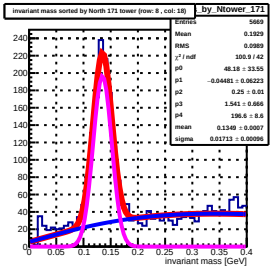

invariant mass sorted by North 166 tower (row: 8 , col: 13)
_by_Ntower_166
Entries 6291
Mean 0.191
RMS 0.08985
χ² / ndf 83.51 / 42
p0 36.98 ± 4.29
p1 0.01165 ± 0.00200
p2 0.1595 ± 0.0167
p3 1.135 ± 0.102
p4 284.1 ± 12.1
mean 0.1347 ± 0.0006
sigma 0.01517 ± 0.00065
invariant mass [GeV]

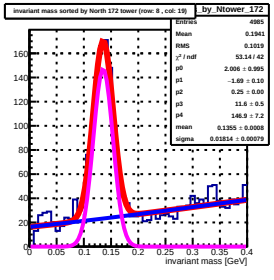

invariant mass sorted by North 167 tower (row: 8 , col: 14)
_by_Ntower_167
Entries 5362
Mean 0.1913
RMS 0.09046
χ² / ndf 43.89 / 42
p0 31.76 ± 3.93
p1 0.006856 ± 0.004575
p2 0.2167 ± 0.0421
p3 1.035 ± 0.181
p4 261.9 ± 11.1
mean 0.1358 ± 0.0006
sigma 0.01578 ± 0.00064
invariant mass [GeV]

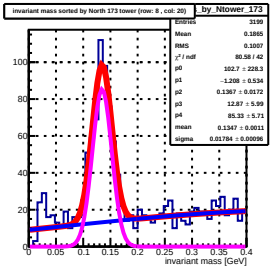

invariant mass sorted by North 168 tower (row: 8 , col: 15)
_by_Ntower_168
Entries 5179
Mean 0.1894
RMS 0.08957
χ² / ndf 42.95 / 42
p0 31.04 ± 5.88
p1 0.00392 ± 0.00651
p2 0.1963 ± 0.0362
p3 1.135 ± 0.205
p4 236 ± 9.6
mean 0.1354 ± 0.0006
sigma 0.01743 ± 0.00068
invariant mass [GeV]

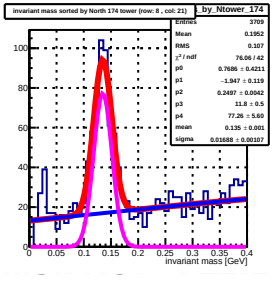

invariant mass sorted by North 169 tower (row: 8 , col: 16)
_by_Ntower_169
Entries 4630
Mean 0.1948
RMS 0.08822
χ² / ndf 39.13 / 41
p0 18.18 ± 2.42
p1 0.01309 ± 0.00617
p2 0.218 ± 0.045
p3 0.9446 ± 0.1858
p4 222.7 ± 9.3
mean 0.1353 ± 0.0006
sigma 0.01678 ± 0.00062
invariant mass [GeV]

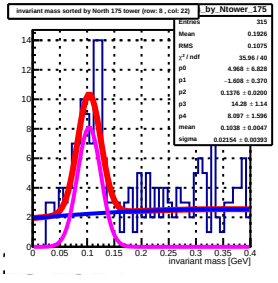

invariant mass sorted by North 170 tower (row: 8 , col: 17)
_by_Ntower_170
Entries 2729
Mean 0.1891
RMS 0.0925
χ² / ndf 62.06 / 42
p0 11.81 ± 1.43
p1 0.008362 ± 0.003969
p2 0.25 ± 0.04
p3 0.7798 ± 0.0764
p4 116.4 ± 7.5
mean 0.1346 ± 0.0009
sigma 0.01631 ± 0.00105
invariant mass [GeV]

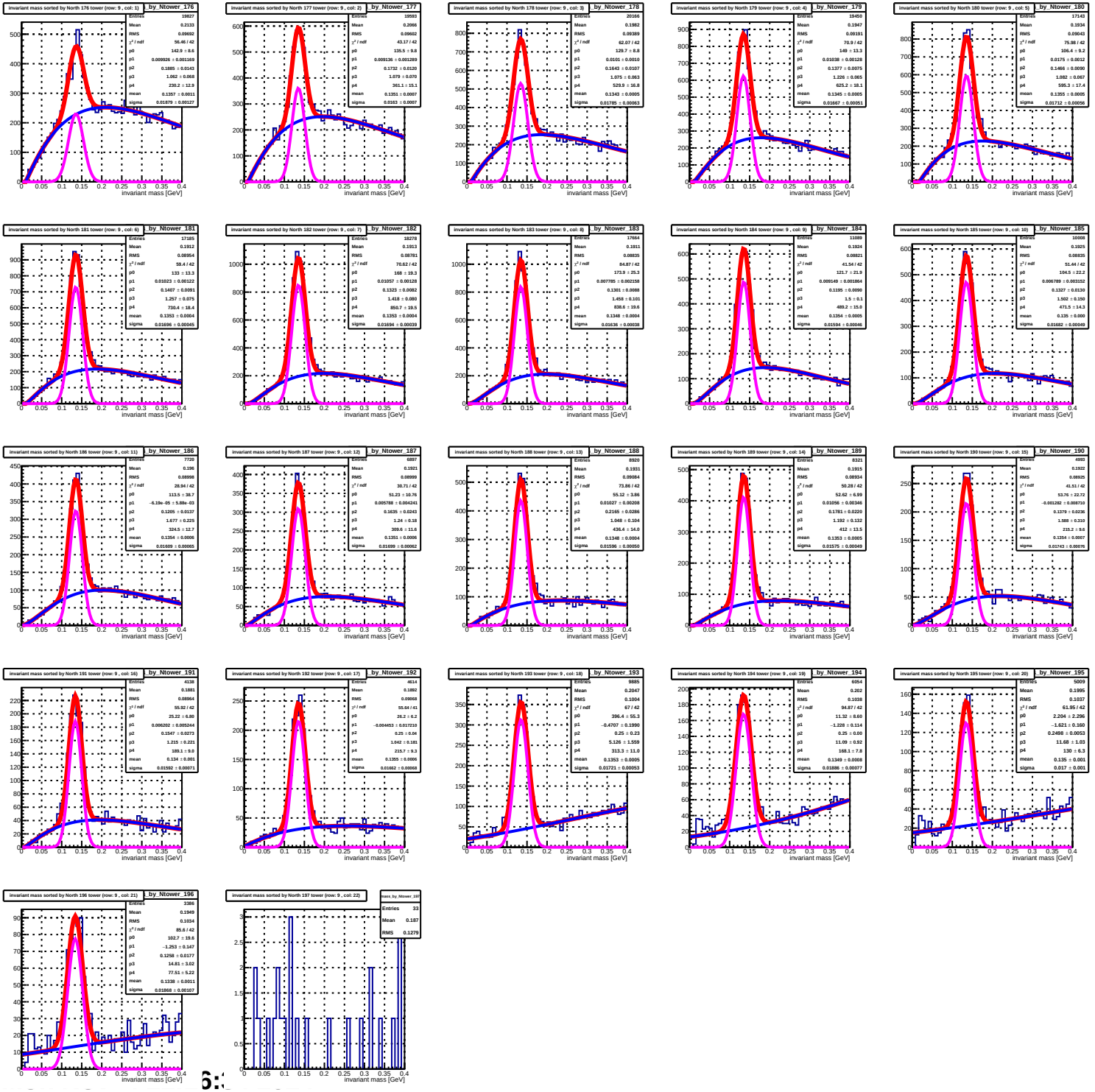

invariant mass sorted by North 171 tower (row: 8 , col: 18)
_by_Ntower_171
Entries 5669
Mean 0.1929
RMS 0.0989
χ² / ndf 100.9 / 42
p0 48.18 ± 33.55
p1 -0.04481 ± 0.06223
p2 0.25 ± 0.01
p3 1.941 ± 0.866
p4 196.6 ± 8.6
mean 0.1349 ± 0.0007
sigma 0.01713 ± 0.00096
invariant mass [GeV]

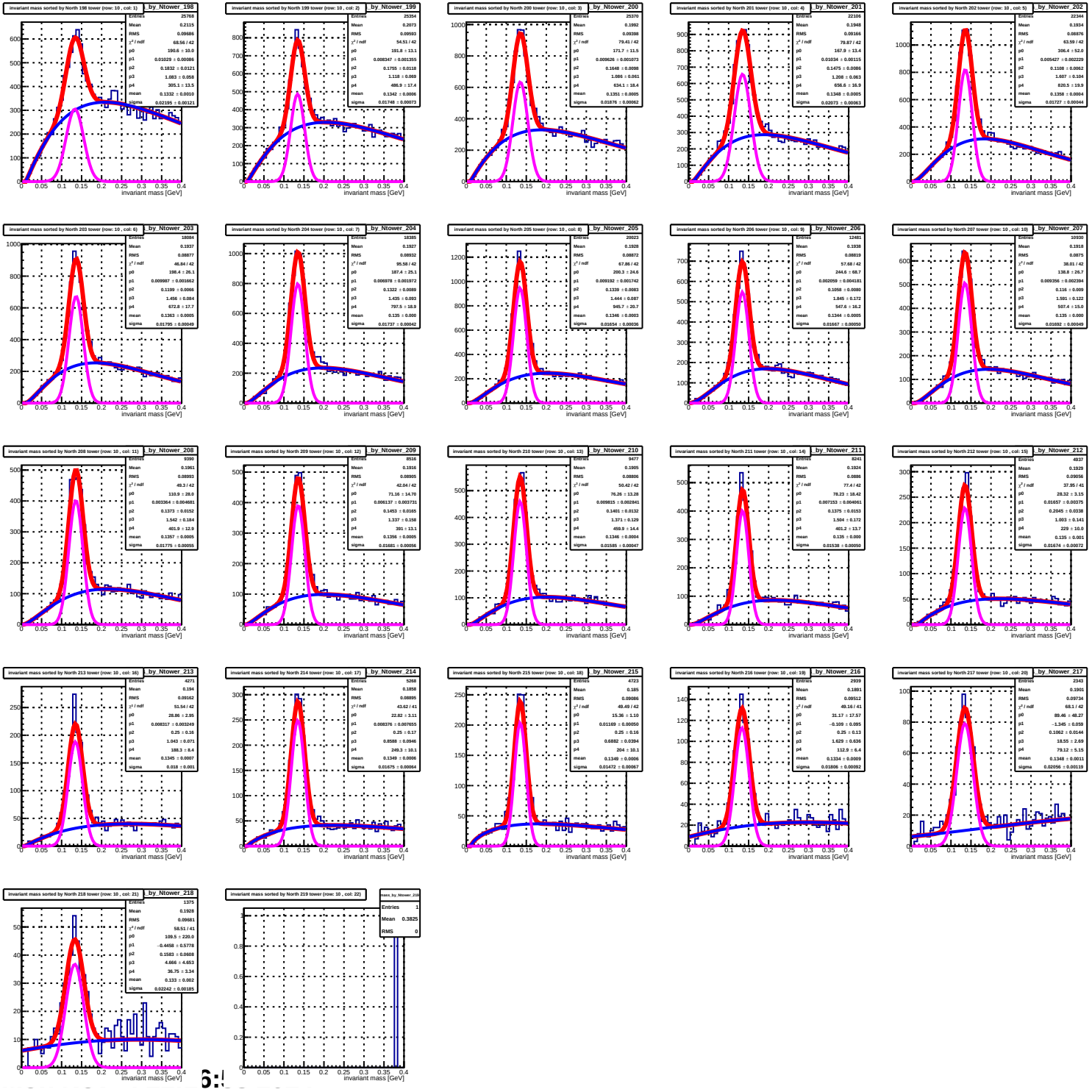

invariant mass sorted by North 172 tower (row: 8 , col: 19)
_by_Ntower_172
Entries 4985
Mean 0.1941
RMS 0.1019
χ² / ndf 53.14 / 42
p0 2.006 ± 0.995
p1 -1.69 ± 0.10
p2 0.25 ± 0.00
p3 11.6 ± 0.5
p4 146.9 ± 7.2
mean 0.1355 ± 0.0008
sigma 0.01814 ± 0.00079
invariant mass [GeV]

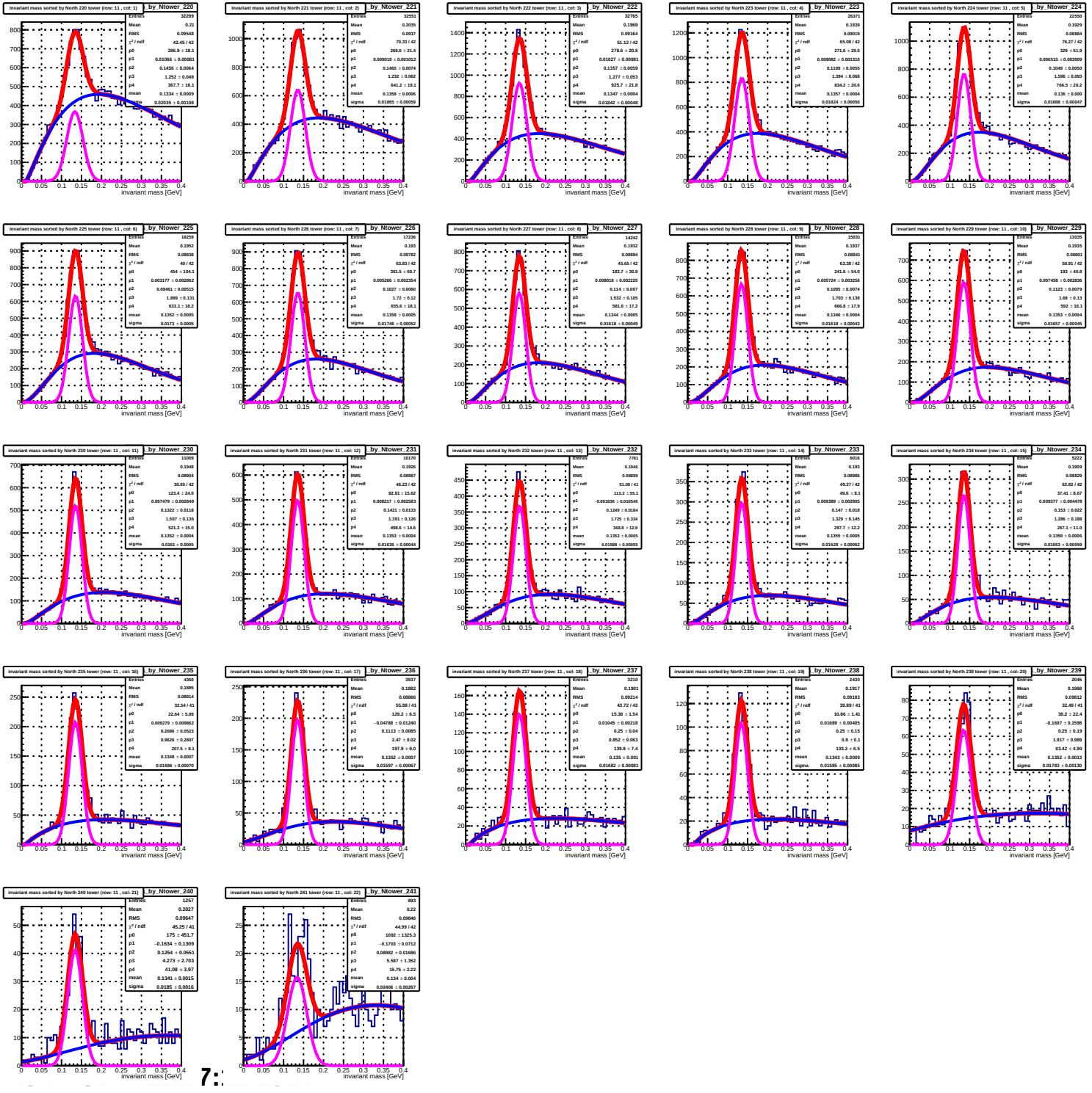

invariant mass sorted by North 173 tower (row: 8 , col: 20)
_by_Ntower_173
Entries 3199
Mean 0.1865
RMS 0.1007
χ² / ndf 80.58 / 42
p0 102.7 ± 228.3
p1 -1.208 ± 0.534
p2 0.1367 ± 0.0172
p3 12.87 ± 5.99
p4 85.33 ± 5.71
mean 0.1347 ± 0.0011
sigma 0.01784 ± 0.00096
invariant mass [GeV]


invariant mass sorted by North 174 tower (row: 8 , col: 21)
_by_Ntower_174
Entries 3709
Mean 0.1952
RMS 0.107
χ² / ndf 76.06 / 42
p0 0.7686 ± 0.4211
p1 -1.947 ± 0.119
p2 0.2497 ± 0.0042
p3 11.8 ± 0.5
p4 77.26 ± 5.60
mean 0.135 ± 0.001
sigma 0.01688 ± 0.00187
invariant mass [GeV]

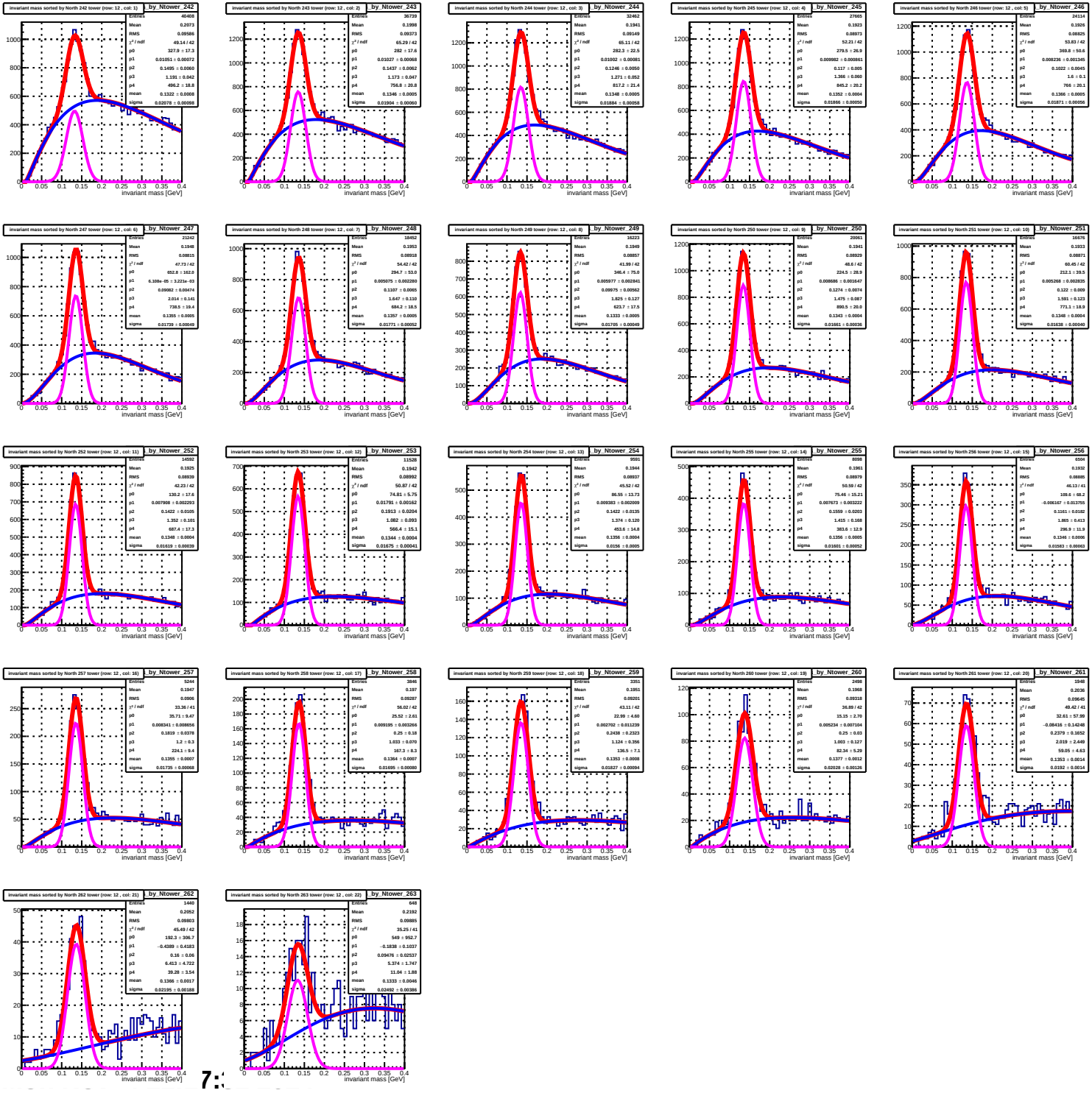

invariant mass sorted by North 175 tower (row: 8 , col: 22)
_by_Ntower_175
Entries 315
Mean 0.1928
RMS 0.1075
χ² / ndf 35.96 / 40
p0 4.968 ± 6.828
p1 -1.608 ± 0.370
p2 0.1376 ± 0.0200
p3 14.28 ± 1.14
p4 8.097 ± 1.596
mean 0.1038 ± 0.0047
sigma 0.02154 ± 0.00393
invariant mass [GeV]

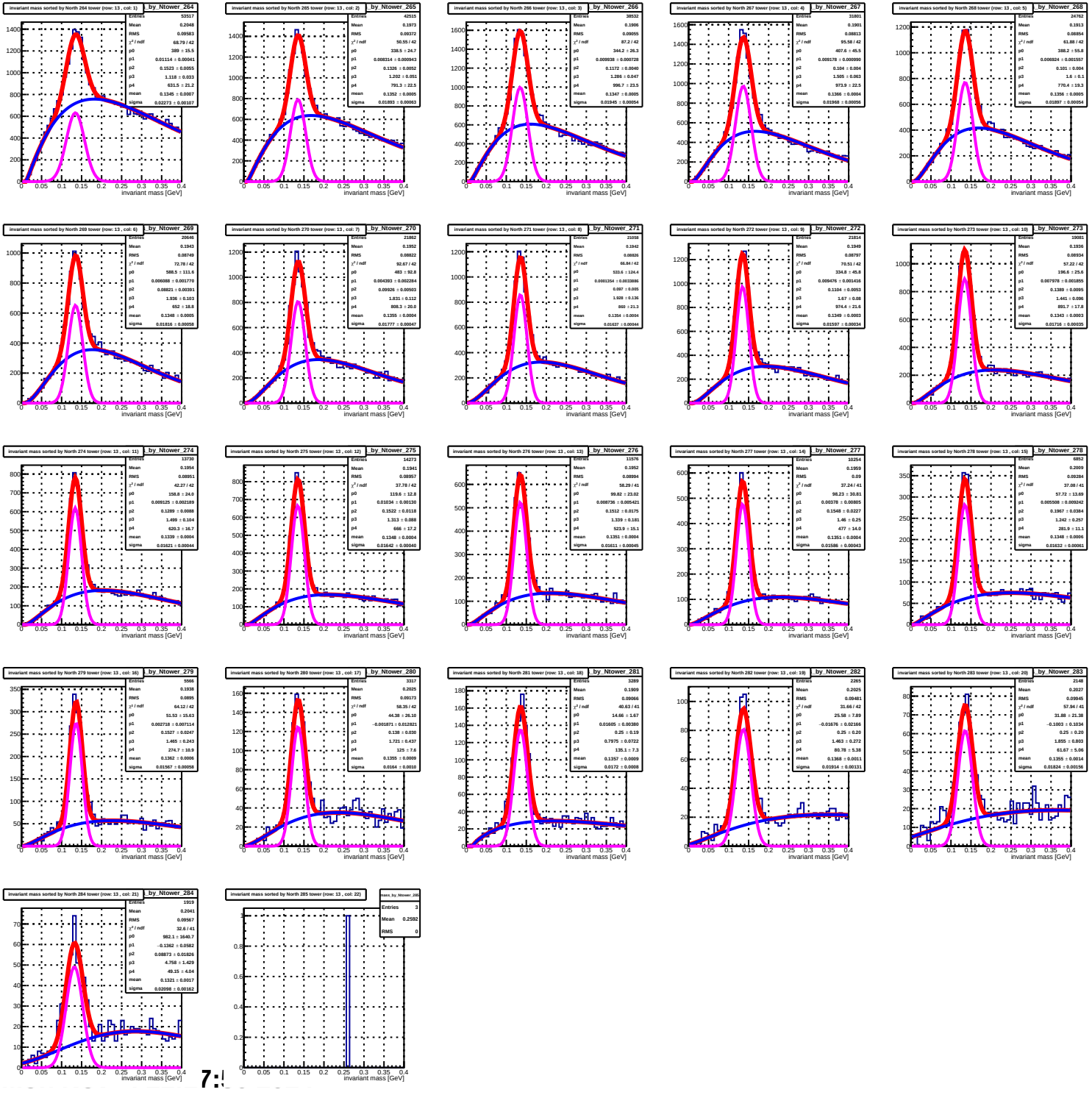

invariant mass sorted by North 176 tower (row: 9 , col: 1)
_by_Ntower_176
Entries 19827
Mean 0.2133
RMS 0.09692
χ² / ndf 56.46 / 42
p0 142.9 ± 8.6
p1 0.009926 ± 0.001169
p2 0.1885 ± 0.0143
p3 1.062 ± 0.068
p4 230.2 ± 12.9
mean 0.1357 ± 0.0011
sigma 0.01879 ± 0.00127
invariant mass sorted by North 177 tower (row: 9 , col: 2)
_by_Ntower_177
Entries 19593
Mean 0.2066
RMS 0.09602
χ² / ndf 43.17 / 42
p0 135.5 ± 9.4
p1 0.009136 ± 0.001289
p2 0.1732 ± 0.0128
p3 1.079 ± 0.070
p4 361.1 ± 15.1
mean 0.1351 ± 0.0007
sigma 0.0163 ± 0.0007
invariant mass sorted by North 178 tower (row: 9 , col: 3)
_by_Ntower_178
Entries 20166
Mean 0.1982
RMS 0.09389
χ² / ndf 82.07 / 42
p0 129.7 ± 8.8
p1 0.0101 ± 0.0010
p2 0.1643 ± 0.0107
p3 1.075 ± 0.063
p4 529.9 ± 16.8
mean 0.1343 ± 0.0005
sigma 0.01785 ± 0.00063
invariant mass sorted by North 179 tower (row: 9 , col: 4)
_by_Ntower_179
Entries 19450
Mean 0.1947
RMS 0.09191
χ² / ndf 70.9 / 42
p0 149 ± 13.3
p1 0.01038 ± 0.00128
p2 0.1377 ± 0.0075
p3 1.226 ± 0.065
p4 625.2 ± 18.1
mean 0.1345 ± 0.0005
sigma 0.01667 ± 0.00051
invariant mass sorted by North 180 tower (row: 9 , col: 5)
_by_Ntower_180
Entries 17143
Mean 0.1934
RMS 0.09043
χ² / ndf 75.98 / 42
p0 106.4 ± 9.2
p1 0.0175 ± 0.0012
p2 0.1466 ± 0.0090
p3 1.082 ± 0.067
p4 595.3 ± 17.4
mean 0.1355 ± 0.0005
sigma 0.01712 ± 0.00056
invariant mass sorted by North 181 tower (row: 9 , col: 6)
_by_Ntower_181
Entries 17185
Mean 0.1912
RMS 0.08954
χ² / ndf 59.4 / 42
p0 133 ± 13.3
p1 0.01023 ± 0.00122
p2 0.1407 ± 0.0091
p3 1.257 ± 0.075
p4 730.4 ± 18.4
mean 0.1353 ± 0.0004
sigma 0.01696 ± 0.00045
invariant mass sorted by North 182 tower (row: 9 , col: 7)
_by_Ntower_182
Entries 18278
Mean 0.1913
RMS 0.08781
χ² / ndf 70.62 / 42
p0 168 ± 19.3
p1 0.01057 ± 0.00128
p2 0.1323 ± 0.0082
p3 1.418 ± 0.080
p4 850.7 ± 19.5
mean 0.1353 ± 0.0004
sigma 0.01694 ± 0.00039
invariant mass sorted by North 183 tower (row: 9 , col: 8)
_by_Ntower_183
Entries 17664
Mean 0.1911
RMS 0.08835
χ² / ndf 84.87 / 42
p0 173.9 ± 25.3
p1 0.007785 ± 0.002158
p2 0.1301 ± 0.0088
p3 1.458 ± 0.101
p4 838.6 ± 19.6
mean 0.1348 ± 0.0004
sigma 0.01636 ± 0.00038
invariant mass sorted by North 184 tower (row: 9 , col: 9)
_by_Ntower_184
Entries 11089
Mean 0.1924
RMS 0.08821
χ² / ndf 41.54 / 42
p0 121.7 ± 21.9
p1 0.009149 ± 0.001864
p2 0.1195 ± 0.0090
p3 1.5 ± 0.1
p4 489.2 ± 15.0
mean 0.1354 ± 0.0005
sigma 0.01594 ± 0.00046
invariant mass sorted by North 185 tower (row: 9 , col: 10)
_by_Ntower_185
Entries 10008
Mean 0.1925
RMS 0.08835
χ² / ndf 51.44 / 42
p0 104.5 ± 22.2
p1 0.006789 ± 0.003152
p2 0.1327 ± 0.0130
p3 1.502 ± 0.150
p4 471.5 ± 14.3
mean 0.135 ± 0.000
sigma 0.01682 ± 0.00049
invariant mass sorted by North 186 tower (row: 9 , col: 11)
_by_Ntower_186
Entries 7720
Mean 0.196
RMS 0.08998
χ² / ndf 28.94 / 42
p0 113.5 ± 38.7
p1 -6.19e-05 ± 5.88e-03
p2 0.1205 ± 0.0137
p3 1.677 ± 0.225
p4 324.5 ± 12.7
mean 0.1354 ± 0.0006
sigma 0.01609 ± 0.00065
invariant mass sorted by North 187 tower (row: 9 , col: 12)
_by_Ntower_187
Entries 6897
Mean 0.1921
RMS 0.08999
χ² / ndf 30.71 / 42
p0 53.23 ± 18.76
p1 0.005788 ± 0.004241
p2 0.1635 ± 0.0243
p3 1.24 ± 0.18
p4 309.6 ± 11.6
mean 0.1351 ± 0.0006
sigma 0.01699 ± 0.00062
invariant mass sorted by North 188 tower (row: 9 , col: 13)
_by_Ntower_188
Entries 8920
Mean 0.1931
RMS 0.09084
χ² / ndf 73.86 / 42
p0 55.12 ± 3.86
p1 0.01027 ± 0.00208
p2 0.2165 ± 0.0286
p3 1.048 ± 0.104
p4 436.4 ± 14.0
mean 0.1348 ± 0.0004
sigma 0.01596 ± 0.00050
invariant mass sorted by North 189 tower (row: 9 , col: 14)
_by_Ntower_189
Entries 8321
Mean 0.1915
RMS 0.08934
χ² / ndf 50.28 / 42
p0 52.62 ± 6.59
p1 0.01056 ± 0.00346
p2 0.1781 ± 0.0220
p3 1.192 ± 0.132
p4 412 ± 13.5
mean 0.1353 ± 0.0005
sigma 0.01575 ± 0.00049
invariant mass sorted by North 190 tower (row: 9 , col: 15)
_by_Ntower_190
Entries 4993
Mean 0.1922
RMS 0.08925
χ² / ndf 41.51 / 42
p0 53.76 ± 22.72
p1 -0.001282 ± 0.008710
p2 0.1379 ± 0.0236
p3 1.588 ± 0.310
p4 215.2 ± 9.6
mean 0.1354 ± 0.0007
sigma 0.01743 ± 0.00074
invariant mass sorted by North 191 tower (row: 9 , col: 16)
_by_Ntower_191
Entries 4138
Mean 0.1881
RMS 0.08964
χ² / ndf 55.92 / 42
p0 25.22 ± 6.80
p1 0.006202 ± 0.005244
p2 0.1547 ± 0.0273
p3 1.233 ± 0.221
p4 189.1 ± 9.0
mean 0.134 ± 0.001
sigma 0.01592 ± 0.00071
invariant mass sorted by North 192 tower (row: 9 , col: 17)
_by_Ntower_192
Entries 4614
Mean 0.1892
RMS 0.09068
χ² / ndf 55.64 / 41
p0 26.2 ± 6.2
p1 -0.004453 ± 0.017210
p2 0.25 ± 0.04
p3 1.042 ± 0.181
p4 215.7 ± 9.3
mean 0.1355 ± 0.0006
sigma 0.01682 ± 0.00068
invariant mass sorted by North 193 tower (row: 9 , col: 18)
_by_Ntower_193
Entries 9885
Mean 0.2047
RMS 0.1004
χ² / ndf 67 / 42
p0 396.4 ± 55.3
p1 -0.4707 ± 0.1990
p2 0.25 ± 0.23
p3 5.126 ± 1.559
p4 313.3 ± 11.0
mean 0.1353 ± 0.0005
sigma 0.01721 ± 0.00053
invariant mass sorted by North 194 tower (row: 9 , col: 19)
_by_Ntower_194
Entries 6054
Mean 0.202
RMS 0.1038
χ² / ndf 94.87 / 42
p0 11.32 ± 8.69
p1 -1.228 ± 0.114
p2 0.25 ± 0.00
p3 11.09 ± 0.82
p4 168.1 ± 7.8
mean 0.1349 ± 0.0008
sigma 0.01886 ± 0.00077
invariant mass sorted by North 195 tower (row: 9 , col: 20)
_by_Ntower_195
Entries 5009
Mean 0.1995
RMS 0.1037
χ² / ndf 61.95 / 42
p0 2.204 ± 2.296
p1 -1.621 ± 0.160
p2 0.2498 ± 0.0053
p3 11.68 ± 1.03
p4 130 ± 6.3
mean 0.135 ± 0.001
sigma 0.017 ± 0.001
invariant mass sorted by North 196 tower (row: 9 , col: 21)
_by_Ntower_196
Entries 3386
Mean 0.1949
RMS 0.1034
χ² / ndf 85.6 / 42
p0 102.7 ± 19.6
p1 -1.253 ± 0.147
p2 0.1258 ± 0.0177
p3 14.81 ± 3.02
p4 77.51 ± 5.22
mean 0.1338 ± 0.0011
sigma 0.01868 ± 0.00187
invariant mass sorted by North 197 tower (row: 9 , col: 22)
mass_by_Ntower_197
Entries 33
Mean 0.187
RMS 0.1279
invariant mass [GeV]

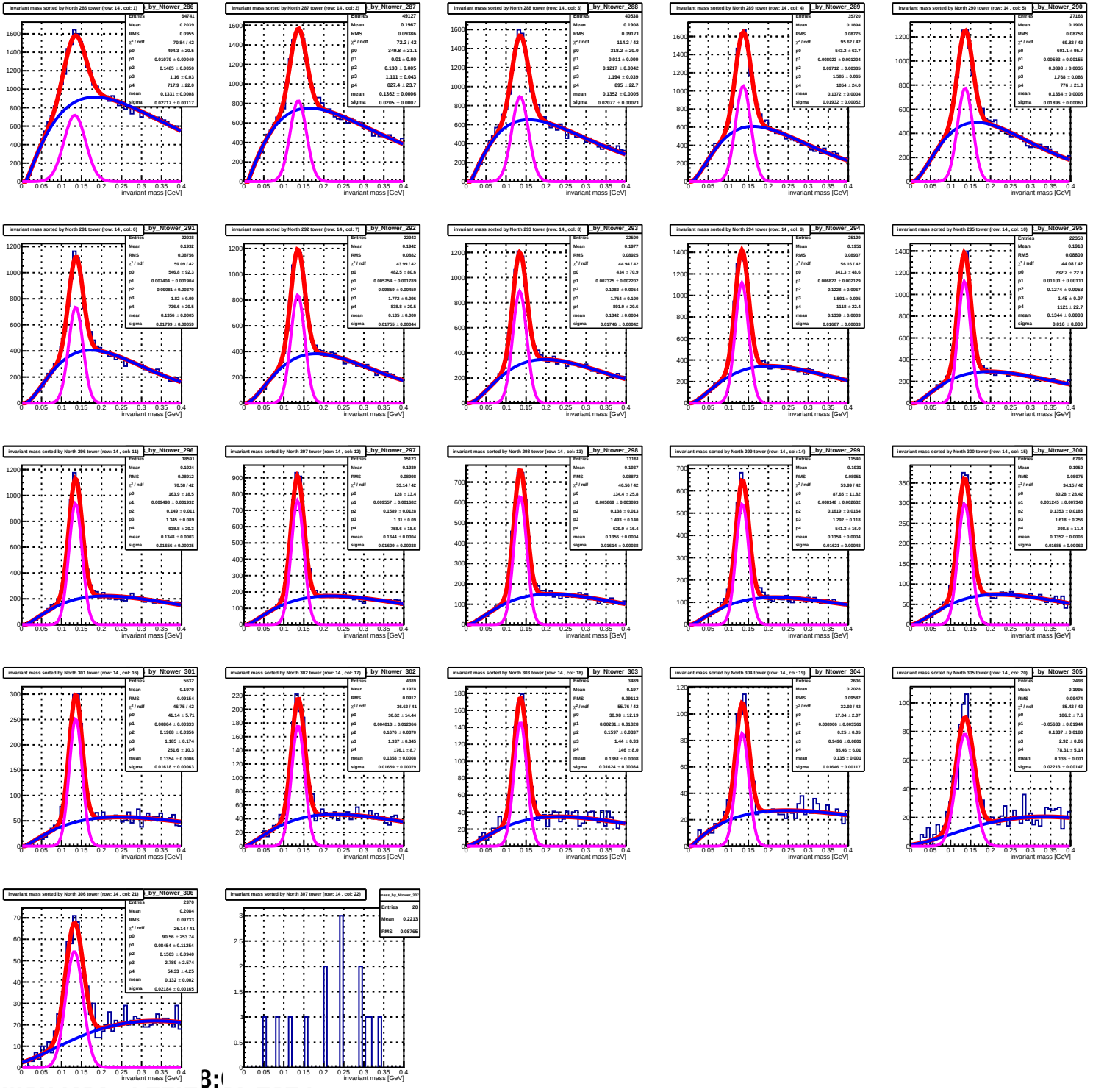

invariant mass sorted by North 198 tower (row: 10 , col: 1)
_by_Ntower_198
Entries 25768
Mean 0.2115
RMS 0.09686
χ² / ndf 68.56 / 42
p0 190.6 ± 10.0
p1 0.01029 ± 0.00086
p2 0.1832 ± 0.0121
p3 1.083 ± 0.058
p4 305.1 ± 13.5
mean 0.1332 ± 0.0010
sigma 0.02195 ± 0.00121
invariant mass sorted by North 199 tower (row: 10 , col: 2)
_by_Ntower_199
Entries 25354
Mean 0.2073
RMS 0.09593
χ² / ndf 54.51 / 42
p0 191.8 ± 13.1
p1 0.008347 ± 0.001355
p2 0.1755 ± 0.0118
p3 1.118 ± 0.069
p4 486.9 ± 17.4
mean 0.1342 ± 0.0006
sigma 0.01748 ± 0.00073
invariant mass sorted by North 200 tower (row: 10 , col: 3)
_by_Ntower_200
Entries 25370
Mean 0.1992
RMS 0.09398
χ² / ndf 79.41 / 42
p0 171.7 ± 11.5
p1 0.009626 ± 0.001073
p2 0.1648 ± 0.0098
p3 1.086 ± 0.061
p4 634.1 ± 18.4
mean 0.1351 ± 0.0005
sigma 0.01876 ± 0.00062
invariant mass sorted by North 201 tower (row: 10 , col: 4)
_by_Ntower_201
Entries 22108
Mean 0.1948
RMS 0.09166
χ² / ndf 79.87 / 42
p0 167.9 ± 13.4
p1 0.01034 ± 0.00115
p2 0.1475 ± 0.0086
p3 1.208 ± 0.063
p4 656.6 ± 16.9
mean 0.1348 ± 0.0005
sigma 0.02073 ± 0.00063
invariant mass sorted by North 202 tower (row: 10 , col: 5)
_by_Ntower_202
Entries 22344
Mean 0.1934
RMS 0.08876
χ² / ndf 63.59 / 42
p0 366.4 ± 52.0
p1 0.005427 ± 0.002229
p2 0.1108 ± 0.0062
p3 1.607 ± 0.104
p4 820.5 ± 19.9
mean 0.1358 ± 0.0004
sigma 0.01727 ± 0.00044
invariant mass sorted by North 203 tower (row: 10 , col: 6)
_by_Ntower_203
Entries 18094
Mean 0.1937
RMS 0.08877
χ² / ndf 46.84 / 42
p0 198.4 ± 26.1
p1 0.009087 ± 0.001662
p2 0.1199 ± 0.0066
p3 1.458 ± 0.084
p4 672.8 ± 17.7
mean 0.1363 ± 0.0005
sigma 0.01795 ± 0.00049
invariant mass sorted by North 204 tower (row: 10 , col: 7)
_by_Ntower_204
Entries 18385
Mean 0.1927
RMS 0.08932
χ² / ndf 95.58 / 42
p0 187.4 ± 25.1
p1 0.006978 ± 0.001972
p2 0.1322 ± 0.0069
p3 1.435 ± 0.083
p4 797.5 ± 18.9
mean 0.135 ± 0.000
sigma 0.01737 ± 0.00042
invariant mass sorted by North 205 tower (row: 10 , col: 8)
_by_Ntower_205
Entries 20023
Mean 0.1928
RMS 0.08872
χ² / ndf 67.86 / 42
p0 200.3 ± 24.6
p1 0.009192 ± 0.001742
p2 0.1339 ± 0.0083
p3 1.444 ± 0.087
p4 945.7 ± 20.7
mean 0.1346 ± 0.0003
sigma 0.01654 ± 0.00036
invariant mass sorted by North 206 tower (row: 10 , col: 9)
_by_Ntower_206
Entries 12481
Mean 0.1938
RMS 0.08819
χ² / ndf 57.68 / 42
p0 244.6 ± 68.7
p1 0.002059 ± 0.004181
p2 0.1058 ± 0.0080
p3 1.845 ± 0.172
p4 547.6 ± 16.2
mean 0.1344 ± 0.0005
sigma 0.01607 ± 0.00050
invariant mass sorted by North 207 tower (row: 10 , col: 10)
_by_Ntower_207
Entries 10939
Mean 0.1916
RMS 0.0875
χ² / ndf 38.01 / 42
p0 138.8 ± 26.7
p1 0.009356 ± 0.002394
p2 0.116 ± 0.009
p3 1.591 ± 0.122
p4 507.4 ± 15.0
mean 0.135 ± 0.000
sigma 0.01692 ± 0.00049
invariant mass sorted by North 208 tower (row: 10 , col: 11)
_by_Ntower_208
Entries 9390
Mean 0.1961
RMS 0.08993
χ² / ndf 49.3 / 42
p0 110.9 ± 28.0
p1 0.003364 ± 0.004681
p2 0.1373 ± 0.0152
p3 1.542 ± 0.184
p4 401.9 ± 12.9
mean 0.1357 ± 0.0005
sigma 0.01775 ± 0.00055
invariant mass sorted by North 209 tower (row: 10 , col: 12)
_by_Ntower_209
Entries 8516
Mean 0.1916
RMS 0.08905
χ² / ndf 42.04 / 42
p0 71.16 ± 14.70
p1 0.006137 ± 0.003731
p2 0.1453 ± 0.0165
p3 1.337 ± 0.158
p4 391 ± 13.1
mean 0.1356 ± 0.0005
sigma 0.01681 ± 0.00056
invariant mass sorted by North 210 tower (row: 10 , col: 13)
_by_Ntower_210
Entries 9477
Mean 0.1905
RMS 0.08806
χ² / ndf 50.42 / 42
p0 76.26 ± 13.28
p1 0.009815 ± 0.002841
p2 0.1401 ± 0.0132
p3 1.371 ± 0.129
p4 459.9 ± 14.4
mean 0.1346 ± 0.0004
sigma 0.01585 ± 0.00047
invariant mass sorted by North 211 tower (row: 10 , col: 14)
_by_Ntower_211
Entries 8241
Mean 0.1924
RMS 0.0886
χ² / ndf 77.41 / 42
p0 78.23 ± 18.42
p1 0.007153 ± 0.004061
p2 0.1375 ± 0.0153
p3 1.504 ± 0.172
p4 401.2 ± 13.7
mean 0.135 ± 0.000
sigma 0.01538 ± 0.00050
invariant mass sorted by North 212 tower (row: 10 , col: 15)
_by_Ntower_212
Entries 4937
Mean 0.1929
RMS 0.09056
χ² / ndf 37.95 / 41
p0 28.32 ± 3.15
p1 0.01657 ± 0.00375
p2 0.2045 ± 0.0338
p3 1.003 ± 0.141
p4 229 ± 10.0
mean 0.135 ± 0.001
sigma 0.01674 ± 0.00072
invariant mass sorted by North 213 tower (row: 10 , col: 16)
_by_Ntower_213
Entries 4271
Mean 0.154
RMS 0.09162
χ² / ndf 51.54 / 42
p0 28.86 ± 2.95
p1 0.008317 ± 0.003249
p2 0.25 ± 0.16
p3 1.040 ± 0.071
p4 188.3 ± 8.4
mean 0.1345 ± 0.0007
sigma 0.018 ± 0.001
invariant mass sorted by North 214 tower (row: 10 , col: 17)
_by_Ntower_214
Entries 5268
Mean 0.1858
RMS 0.08895
χ² / ndf 43.62 / 41
p0 22.82 ± 3.11
p1 0.008376 ± 0.007655
p2 0.25 ± 0.17
p3 0.8588 ± 0.0946
p4 249.3 ± 10.1
mean 0.1349 ± 0.0006
sigma 0.01675 ± 0.00064
invariant mass sorted by North 215 tower (row: 10 , col: 18)
_by_Ntower_215
Entries 4723
Mean 0.185
RMS 0.09086
χ² / ndf 49.49 / 42
p0 15.36 ± 1.10
p1 0.01169 ± 0.00050
p2 0.25 ± 0.16
p3 0.6882 ± 0.0394
p4 204 ± 10.1
mean 0.1349 ± 0.0006
sigma 0.01472 ± 0.00067
invariant mass sorted by North 216 tower (row: 10 , col: 19)
_by_Ntower_216
Entries 2939
Mean 0.1891
RMS 0.09512
χ² / ndf 49.16 / 41
p0 31.17 ± 17.57
p1 -0.109 ± 0.095
p2 0.25 ± 0.13
p3 1.629 ± 0.636
p4 112.9 ± 6.4
mean 0.1334 ± 0.0009
sigma 0.01806 ± 0.00092
invariant mass sorted by North 217 tower (row: 10 , col: 20)
_by_Ntower_217
Entries 2343
Mean 0.1901
RMS 0.09734
χ² / ndf 68.1 / 42
p0 89.46 ± 48.27
p1 -1.345 ± 0.059
p2 0.1062 ± 0.0144
p3 18.55 ± 2.69
p4 79.12 ± 5.15
mean 0.1348 ± 0.0011
sigma 0.02056 ± 0.00119
invariant mass sorted by North 218 tower (row: 10 , col: 21)
_by_Ntower_218
Entries 1375
Mean 0.1928
RMS 0.09681
χ² / ndf 58.51 / 41
p0 109.5 ± 220.0
p1 -0.4458 ± 0.5778
p2 0.1583 ± 0.0608
p3 4.666 ± 4.653
p4 36.75 ± 3.34
mean 0.133 ± 0.002
sigma 0.02242 ± 0.00185
invariant mass sorted by North 219 tower (row: 10 , col: 22)
mass_by_Ntower_219
Entries 1
Mean 0.3825
RMS 0
invariant mass [GeV]

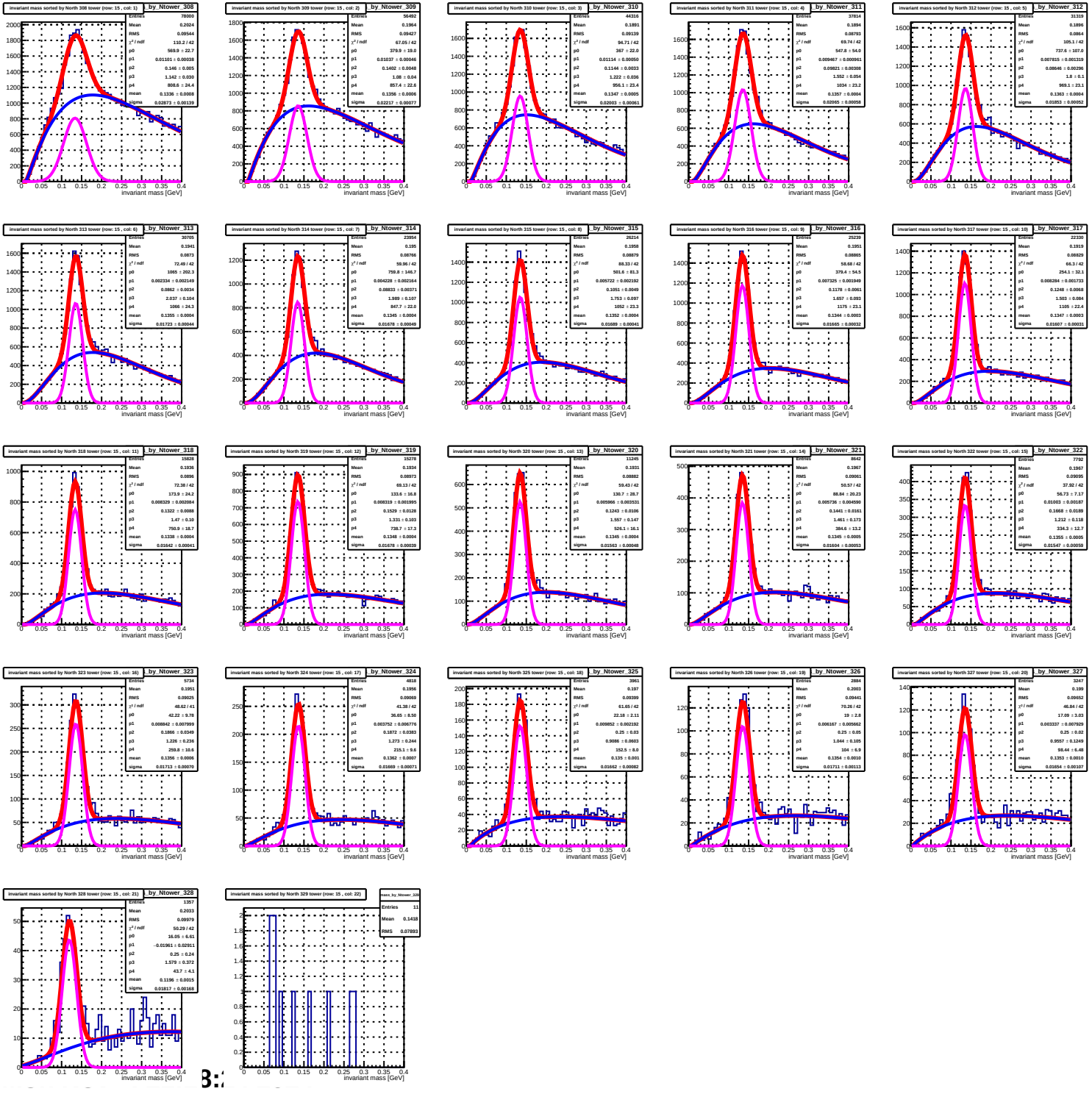

invariant mass sorted by North 220 tower (row: 11 , col: 1) _by_Ntower_220
Entries 32299
Mean 0.21
RMS 0.09548
χ² / ndf 42.45 / 42
p0 286.9 ± 18.1
p1 0.01066 ± 0.00081
p2 0.1456 ± 0.0064
p3 1.252 ± 0.049
p4 367.7 ± 16.1
mean 0.1334 ± 0.0009
sigma 0.02035 ± 0.00108
invariant mass sorted by North 221 tower (row: 11 , col: 2) _by_Ntower_221
Entries 32551
Mean 0.2035
RMS 0.0937
χ² / ndf 70.33 / 42
p0 268.6 ± 21.4
p1 0.009019 ± 0.001012
p2 0.1465 ± 0.0074
p3 1.232 ± 0.062
p4 641.2 ± 19.1
mean 0.1359 ± 0.0006
sigma 0.01893 ± 0.00059
invariant mass sorted by North 222 tower (row: 11 , col: 3) _by_Ntower_222
Entries 32765
Mean 0.1969
RMS 0.09164
χ² / ndf 51.12 / 42
p0 278.6 ± 20.6
p1 0.01027 ± 0.00081
p2 0.1357 ± 0.0059
p3 1.277 ± 0.053
p4 925.7 ± 21.8
mean 0.1347 ± 0.0004
sigma 0.01842 ± 0.00048
invariant mass sorted by North 223 tower (row: 11 , col: 4) _by_Ntower_223
Entries 26371
Mean 0.1939
RMS 0.09019
χ² / ndf 65.08 / 42
p0 271.0 ± 29.0
p1 0.009082 ± 0.001310
p2 0.1199 ± 0.0055
p3 1.394 ± 0.068
p4 834.2 ± 20.6
mean 0.1357 ± 0.0004
sigma 0.01824 ± 0.00050
invariant mass sorted by North 224 tower (row: 11 , col: 5) _by_Ntower_224
Entries 22550
Mean 0.1929
RMS 0.08884
χ² / ndf 76.27 / 42
p0 329 ± 51.9
p1 0.006515 ± 0.002009
p2 0.1049 ± 0.0050
p3 1.596 ± 0.093
p4 766.5 ± 20.2
mean 0.136 ± 0.000
sigma 0.01688 ± 0.00047
invariant mass sorted by North 225 tower (row: 11 , col: 6) _by_Ntower_225
Entries 18259
Mean 0.1352
RMS 0.08838
χ² / ndf 49 / 42
p0 454 ± 104.1
p1 0.003177 ± 0.002862
p2 0.09461 ± 0.00515
p3 1.899 ± 0.131
p4 633.1 ± 18.2
mean 0.1352 ± 0.0005
sigma 0.0172 ± 0.0005
invariant mass sorted by North 226 tower (row: 11 , col: 7) _by_Ntower_226
Entries 17236
Mean 0.133
RMS 0.08782
χ² / ndf 63.83 / 42
p0 301.5 ± 60.7
p1 0.005266 ± 0.002354
p2 0.1027 ± 0.0060
p3 1.72 ± 0.12
p4 655.6 ± 18.1
mean 0.1359 ± 0.0005
sigma 0.01746 ± 0.00052
invariant mass sorted by North 227 tower (row: 11 , col: 8) _by_Ntower_227
Entries 14242
Mean 0.1322
RMS 0.08894
χ² / ndf 45.65 / 42
p0 183.7 ± 30.9
p1 0.008018 ± 0.002220
p2 0.114 ± 0.007
p3 1.532 ± 0.105
p4 581.6 ± 17.2
mean 0.1344 ± 0.0005
sigma 0.01618 ± 0.00049
invariant mass sorted by North 228 tower (row: 11 , col: 9) _by_Ntower_228
Entries 15031
Mean 0.1327
RMS 0.08841
χ² / ndf 63.38 / 42
p0 241.6 ± 54.0
p1 0.005724 ± 0.003256
p2 0.1095 ± 0.0074
p3 1.703 ± 0.138
p4 666.8 ± 17.9
mean 0.1346 ± 0.0004
sigma 0.01618 ± 0.00043
invariant mass sorted by North 229 tower (row: 11 , col: 10) _by_Ntower_229
Entries 13035
Mean 0.1315
RMS 0.08801
χ² / ndf 50.91 / 42
p0 193 ± 40.8
p1 0.007458 ± 0.002836
p2 0.1123 ± 0.0079
p3 1.68 ± 0.13
p4 592 ± 16.1
mean 0.1353 ± 0.0004
sigma 0.01657 ± 0.00045
invariant mass sorted by North 230 tower (row: 11 , col: 11) _by_Ntower_230
Entries 11009
Mean 0.1948
RMS 0.08904
χ² / ndf 30.65 / 42
p0 123.4 ± 24.0
p1 0.007479 ± 0.002848
p2 0.1322 ± 0.0118
p3 1.507 ± 0.136
p4 521.3 ± 15.0
mean 0.1352 ± 0.0004
sigma 0.0161 ± 0.0005
invariant mass sorted by North 231 tower (row: 11 , col: 12) _by_Ntower_231
Entries 10170
Mean 0.1926
RMS 0.08887
χ² / ndf 46.23 / 42
p0 92.91 ± 15.62
p1 0.008217 ± 0.002583
p2 0.1421 ± 0.0133
p3 1.391 ± 0.128
p4 498.6 ± 14.6
mean 0.1353 ± 0.0004
sigma 0.01636 ± 0.00044
invariant mass sorted by North 232 tower (row: 11 , col: 13) _by_Ntower_232
Entries 7781
Mean 0.1946
RMS 0.08899
χ² / ndf 51.09 / 41
p0 113.2 ± 55.1
p1 −0.001836 ± 0.010546
p2 0.1249 ± 0.0184
p3 1.725 ± 0.334
p4 368.8 ± 12.9
mean 0.1353 ± 0.0005
sigma 0.01598 ± 0.00055
invariant mass sorted by North 233 tower (row: 11 , col: 14) _by_Ntower_233
Entries 6016
Mean 0.193
RMS 0.08986
χ² / ndf 49.27 / 42
p0 49.6 ± 9.1
p1 0.009389 ± 0.002805
p2 0.147 ± 0.018
p3 1.329 ± 0.145
p4 297.7 ± 12.2
mean 0.1355 ± 0.0005
sigma 0.01528 ± 0.00062
invariant mass sorted by North 234 tower (row: 11 , col: 15) _by_Ntower_234
Entries 5222
Mean 0.1909
RMS 0.08829
χ² / ndf 62.82 / 42
p0 37.41 ± 8.67
p1 0.009377 ± 0.004478
p2 0.153 ± 0.022
p3 1.286 ± 0.188
p4 267.1 ± 11.0
mean 0.1359 ± 0.0006
sigma 0.01553 ± 0.00050
invariant mass sorted by North 235 tower (row: 11 , col: 16) _by_Ntower_235
Entries 4360
Mean 0.1885
RMS 0.08914
χ² / ndf 32.54 / 41
p0 22.64 ± 5.09
p1 0.009279 ± 0.009862
p2 0.2086 ± 0.0523
p3 0.9626 ± 0.2897
p4 207.5 ± 9.1
mean 0.1348 ± 0.0007
sigma 0.01696 ± 0.00070
invariant mass sorted by North 236 tower (row: 11 , col: 17) _by_Ntower_236
Entries 3937
Mean 0.1882
RMS 0.08866
χ² / ndf 55.98 / 41
p0 129.2 ± 6.5
p1 −0.04788 ± 0.01240
p2 0.1113 ± 0.0085
p3 2.47 ± 0.02
p4 197.9 ± 9.0
mean 0.1352 ± 0.0007
sigma 0.01597 ± 0.00067
invariant mass sorted by North 237 tower (row: 11 , col: 18) _by_Ntower_237
Entries 3210
Mean 0.1951
RMS 0.09214
χ² / ndf 43.72 / 42
p0 15.38 ± 1.54
p1 0.01045 ± 0.00218
p2 0.25 ± 0.04
p3 0.852 ± 0.063
p4 139.8 ± 7.4
mean 0.135 ± 0.001
sigma 0.01682 ± 0.00081
invariant mass sorted by North 238 tower (row: 11 , col: 19) _by_Ntower_238
Entries 2430
Mean 0.1917
RMS 0.09193
χ² / ndf 39.89 / 41
p0 10.86 ± 1.41
p1 0.01689 ± 0.00405
p2 0.25 ± 0.15
p3 0.8 ± 0.1
p4 103.2 ± 6.5
mean 0.1343 ± 0.0009
sigma 0.01595 ± 0.00085
invariant mass sorted by North 239 tower (row: 11 , col: 20) _by_Ntower_239
Entries 2045
Mean 0.1966
RMS 0.09812
χ² / ndf 32.49 / 41
p0 30.2 ± 22.4
p1 −0.1607 ± 0.1598
p2 0.25 ± 0.19
p3 1.917 ± 0.989
p4 63.42 ± 4.90
mean 0.1352 ± 0.0013
sigma 0.01783 ± 0.00130
invariant mass sorted by North 240 tower (row: 11 , col: 21) _by_Ntower_240
Entries 1257
Mean 0.2027
RMS 0.09647
χ² / ndf 45.25 / 41
p0 175 ± 451.7
p1 −0.1634 ± 0.1309
p2 0.1254 ± 0.0551
p3 4.273 ± 2.703
p4 41.08 ± 3.97
mean 0.1341 ± 0.0015
sigma 0.0185 ± 0.0016
invariant mass sorted by North 241 tower (row: 11 , col: 22) _by_Ntower_241
Entries 893
Mean 0.22
RMS 0.09846
χ² / ndf 44.99 / 42
p0 1092 ± 1325.3
p1 −0.1703 ± 0.0712
p2 0.08982 ± 0.01686
p3 5.587 ± 1.352
p4 15.75 ± 2.22
mean 0.134 ± 0.004
sigma 0.02400 ± 0.00267
invariant mass [GeV]

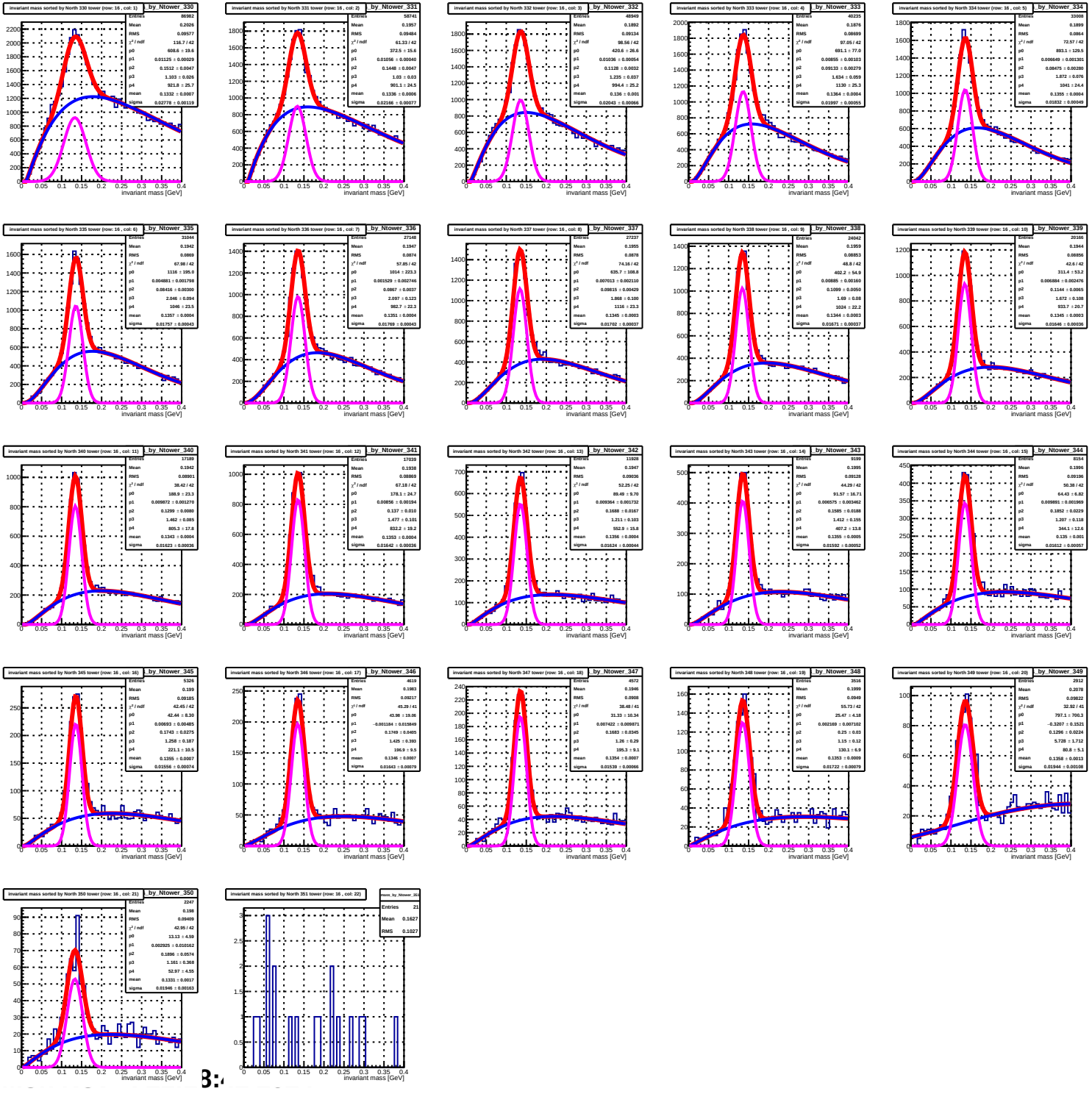
7:

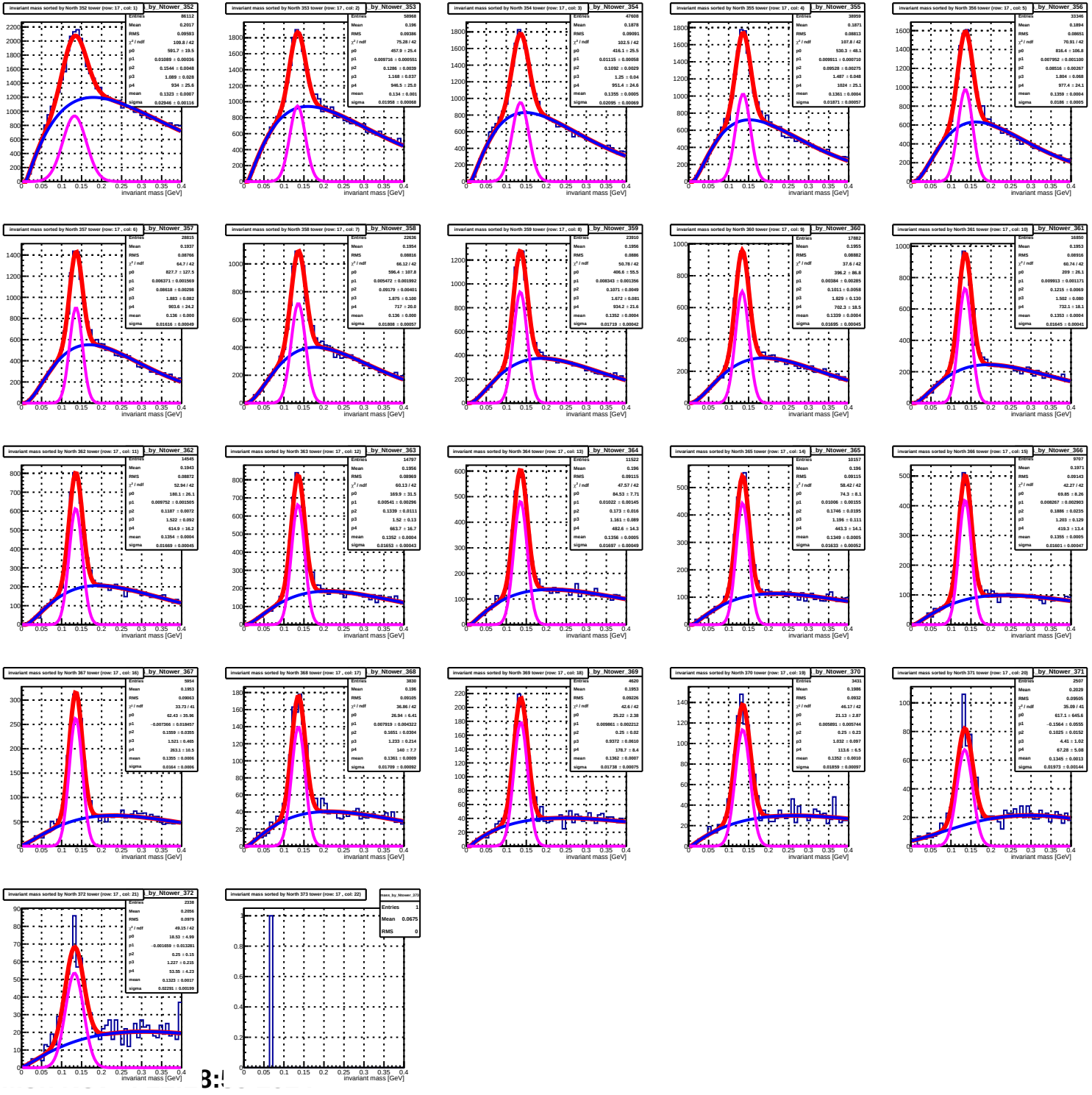

invariant mass sorted by North 242 tower (row: 12 , col: 1) _by_Ntower_242
Entries 40408
Mean 0.2073
RMS 0.09586
χ² / ndf 49.14 / 42
p0 327.9 ± 17.3
p1 0.01051 ± 0.00072
p2 0.1495 ± 0.0060
p3 1.191 ± 0.042
p4 496.2 ± 18.8
mean 0.1322 ± 0.0008
sigma 0.02078 ± 0.00098
invariant mass sorted by North 243 tower (row: 12 , col: 2) _by_Ntower_243
Entries 36739
Mean 0.1998
RMS 0.09373
χ² / ndf 65.29 / 42
p0 282 ± 17.4
p1 0.01027 ± 0.00068
p2 0.1437 ± 0.0062
p3 1.173 ± 0.047
p4 756.8 ± 20.8
mean 0.1346 ± 0.0005
sigma 0.01994 ± 0.00080
invariant mass sorted by North 244 tower (row: 12 , col: 3) _by_Ntower_244
Entries 32462
Mean 0.1941
RMS 0.09149
χ² / ndf 85.11 / 42
p0 282.3 ± 22.5
p1 0.01002 ± 0.00081
p2 0.1246 ± 0.0050
p3 1.271 ± 0.052
p4 817.2 ± 21.4
mean 0.1348 ± 0.0005
sigma 0.01884 ± 0.00058
invariant mass sorted by North 245 tower (row: 12 , col: 4) _by_Ntower_245
Entries 27665
Mean 0.1923
RMS 0.08973
χ² / ndf 52.21 / 42
p0 279.5 ± 26.9
p1 0.009982 ± 0.000861
p2 0.117 ± 0.005
p3 1.366 ± 0.060
p4 845.2 ± 20.2
mean 0.1352 ± 0.0004
sigma 0.01866 ± 0.00050
invariant mass sorted by North 246 tower (row: 12 , col: 5) _by_Ntower_246
Entries 24114
Mean 0.1926
RMS 0.08825
χ² / ndf 53.83 / 42
p0 368.8 ± 50.6
p1 0.008236 ± 0.001345
p2 0.1022 ± 0.0045
p3 1.6 ± 0.1
p4 766 ± 20.1
mean 0.1366 ± 0.0005
sigma 0.01871 ± 0.00056
invariant mass sorted by North 247 tower (row: 12 , col: 6) _by_Ntower_247
Entries 22242
Mean 0.1948
RMS 0.08815
χ² / ndf 47.73 / 42
p0 652.8 ± 162.0
p1 6.108e-05 ± 3.221e-03
p2 0.09082 ± 0.00474
p3 2.014 ± 0.141
p4 738.5 ± 19.4
mean 0.1355 ± 0.0005
sigma 0.01739 ± 0.00049
invariant mass sorted by North 248 tower (row: 12 , col: 7) _by_Ntower_248
Entries 18452
Mean 0.1953
RMS 0.08918
χ² / ndf 54.42 / 42
p0 294.7 ± 53.0
p1 0.005075 ± 0.002280
p2 0.1107 ± 0.0065
p3 1.647 ± 0.110
p4 684.2 ± 18.5
mean 0.1357 ± 0.0005
sigma 0.01771 ± 0.00052
invariant mass sorted by North 249 tower (row: 12 , col: 8) _by_Ntower_249
Entries 16223
Mean 0.1949
RMS 0.08857
χ² / ndf 41.99 / 42
p0 346.4 ± 75.0
p1 0.005977 ± 0.002841
p2 0.09975 ± 0.00562
p3 1.825 ± 0.127
p4 623.7 ± 17.5
mean 0.1333 ± 0.0005
sigma 0.01705 ± 0.00049
invariant mass sorted by North 250 tower (row: 12 , col: 9) _by_Ntower_250
Entries 20061
Mean 0.1941
RMS 0.08829
χ² / ndf 48.6 / 42
p0 224.5 ± 28.9
p1 0.008686 ± 0.001647
p2 0.1274 ± 0.0074
p3 1.475 ± 0.087
p4 890.5 ± 20.0
mean 0.1343 ± 0.0004
sigma 0.01661 ± 0.00036
invariant mass sorted by North 251 tower (row: 12 , col: 10) _by_Ntower_251
Entries 16676
Mean 0.1931
RMS 0.08871
χ² / ndf 60.45 / 42
p0 212.1 ± 39.5
p1 0.005268 ± 0.002835
p2 0.122 ± 0.009
p3 1.591 ± 0.123
p4 771.1 ± 18.9
mean 0.1348 ± 0.0004
sigma 0.01638 ± 0.00040
invariant mass sorted by North 252 tower (row: 12 , col: 11) _by_Ntower_252
Entries 14592
Mean 0.1925
RMS 0.08939
χ² / ndf 42.23 / 42
p0 130.2 ± 17.6
p1 0.007908 ± 0.002293
p2 0.1422 ± 0.0105
p3 1.352 ± 0.101
p4 687.4 ± 17.3
mean 0.1348 ± 0.0004
sigma 0.01619 ± 0.00039
invariant mass sorted by North 253 tower (row: 12 , col: 12) _by_Ntower_253
Entries 11528
Mean 0.1942
RMS 0.08992
χ² / ndf 50.87 / 42
p0 74.81 ± 5.75
p1 0.01791 ± 0.00162
p2 0.1913 ± 0.0204
p3 1.082 ± 0.093
p4 566.4 ± 15.1
mean 0.1344 ± 0.0004
sigma 0.01675 ± 0.00041
invariant mass sorted by North 254 tower (row: 12 , col: 13) _by_Ntower_254
Entries 9591
Mean 0.1944
RMS 0.08937
χ² / ndf 45.52 / 42
p0 86.55 ± 13.73
p1 0.009383 ± 0.002009
p2 0.1422 ± 0.0135
p3 1.374 ± 0.120
p4 453.6 ± 14.8
mean 0.1356 ± 0.0004
sigma 0.0156 ± 0.0005
invariant mass sorted by North 255 tower (row: 12 , col: 14) _by_Ntower_255
Entries 8098
Mean 0.1961
RMS 0.08979
χ² / ndf 50.59 / 42
p0 75.46 ± 15.21
p1 0.007673 ± 0.003222
p2 0.1559 ± 0.0203
p3 1.415 ± 0.168
p4 383.6 ± 12.9
mean 0.1356 ± 0.0005
sigma 0.01601 ± 0.00052
invariant mass sorted by North 256 tower (row: 12 , col: 15) _by_Ntower_256
Entries 6504
Mean 0.1932
RMS 0.08885
χ² / ndf 46.13 / 41
p0 109.6 ± 68.2
p1 -0.006167 ± 0.013755
p2 0.1161 ± 0.0182
p3 1.865 ± 0.413
p4 296.9 ± 11.9
mean 0.1346 ± 0.0006
sigma 0.01583 ± 0.00062
invariant mass sorted by North 257 tower (row: 12 , col: 16) _by_Ntower_257
Entries 5244
Mean 0.1947
RMS 0.0906
χ² / ndf 33.36 / 41
p0 35.71 ± 9.47
p1 0.008341 ± 0.008656
p2 0.1819 ± 0.0378
p3 1.2 ± 0.3
p4 224.1 ± 9.4
mean 0.1355 ± 0.0007
sigma 0.01735 ± 0.00068
invariant mass sorted by North 258 tower (row: 12 , col: 17) _by_Ntower_258
Entries 3846
Mean 0.197
RMS 0.09287
χ² / ndf 56.02 / 42
p0 25.52 ± 2.61
p1 0.009195 ± 0.003266
p2 0.25 ± 0.18
p3 1.033 ± 0.070
p4 167.3 ± 8.3
mean 0.1364 ± 0.0007
sigma 0.01695 ± 0.00080
invariant mass sorted by North 259 tower (row: 12 , col: 18) _by_Ntower_259
Entries 3351
Mean 0.1951
RMS 0.09201
χ² / ndf 43.11 / 42
p0 22.99 ± 4.60
p1 0.002702 ± 0.011239
p2 0.2438 ± 0.2323
p3 1.124 ± 0.356
p4 136.5 ± 7.1
mean 0.1353 ± 0.0008
sigma 0.01827 ± 0.00094
invariant mass sorted by North 260 tower (row: 12 , col: 19) _by_Ntower_260
Entries 2498
Mean 0.1968
RMS 0.09318
χ² / ndf 36.89 / 42
p0 15.15 ± 2.70
p1 0.005234 ± 0.007104
p2 0.25 ± 0.03
p3 1.003 ± 0.127
p4 82.34 ± 5.29
mean 0.1377 ± 0.0012
sigma 0.02028 ± 0.00126
invariant mass sorted by North 261 tower (row: 12 , col: 20) _by_Ntower_261
Entries 1948
Mean 0.2036
RMS 0.09645
χ² / ndf 49.42 / 41
p0 32.61 ± 57.99
p1 -0.08416 ± 0.14248
p2 0.2379 ± 0.1652
p3 2.019 ± 2.449
p4 59.05 ± 4.63
mean 0.1353 ± 0.0014
sigma 0.0192 ± 0.0014
invariant mass sorted by North 262 tower (row: 12 , col: 21) _by_Ntower_262
Entries 1440
Mean 0.2052
RMS 0.09803
χ² / ndf 45.49 / 42
p0 192.3 ± 306.7
p1 -0.4389 ± 0.4183
p2 0.16 ± 0.06
p3 6.413 ± 4.722
p4 39.28 ± 3.54
mean 0.1366 ± 0.0017
sigma 0.02195 ± 0.00188
invariant mass sorted by North 263 tower (row: 12 , col: 22) _by_Ntower_263
Entries 648
Mean 0.2192
RMS 0.09885
χ² / ndf 35.25 / 41
p0 549 ± 952.7
p1 -0.1838 ± 0.1037
p2 0.09476 ± 0.02537
p3 5.374 ± 1.747
p4 11.04 ± 1.88
mean 0.1333 ± 0.0046
sigma 0.02492 ± 0.00386
invariant mass [GeV]

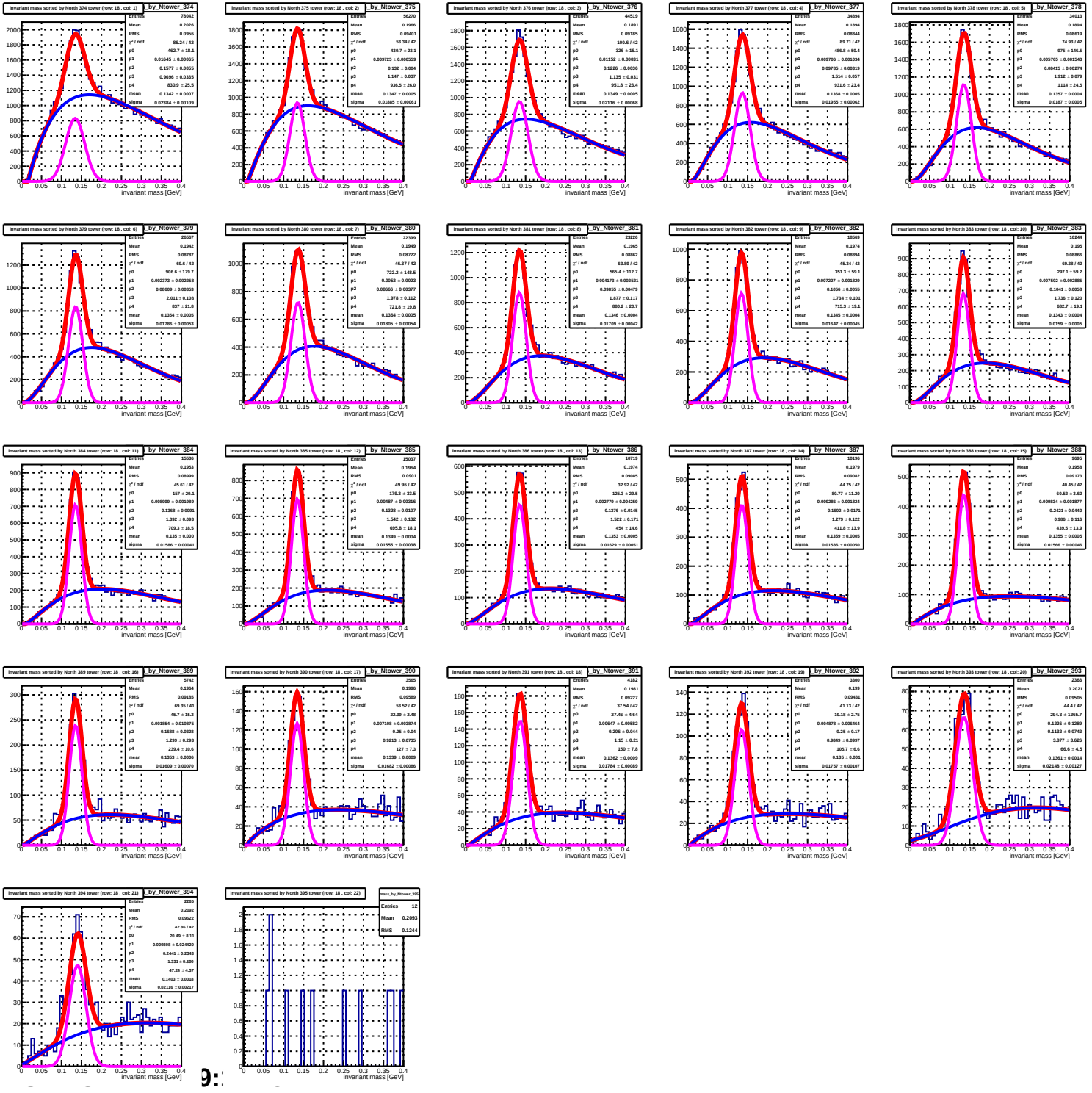

invariant mass sorted by North 264 tower (row: 13 , col: 1)
_by_Ntower_264
Entries 53517
Mean 0.2048
RMS 0.09583
χ² / ndf 68.79 / 42
p0 389 ± 15.5
p1 0.01114 ± 0.00041
p2 0.1523 ± 0.0055
p3 1.118 ± 0.033
p4 631.5 ± 21.2
mean 0.1345 ± 0.0007
sigma 0.02273 ± 0.00107
invariant mass sorted by North 265 tower (row: 13 , col: 2)
_by_Ntower_265
Entries 42515
Mean 0.1973
RMS 0.09372
χ² / ndf 50.55 / 42
p0 338.5 ± 24.7
p1 0.008314 ± 0.000943
p2 0.1326 ± 0.0052
p3 1.202 ± 0.051
p4 791.3 ± 22.5
mean 0.1352 ± 0.0005
sigma 0.01893 ± 0.00063
invariant mass sorted by North 266 tower (row: 13 , col: 3)
_by_Ntower_266
Entries 38532
Mean 0.1906
RMS 0.09055
χ² / ndf 87.2 / 42
p0 344.2 ± 26.3
p1 0.009938 ± 0.000728
p2 0.1172 ± 0.0040
p3 1.286 ± 0.047
p4 996.7 ± 23.5
mean 0.1347 ± 0.0005
sigma 0.01845 ± 0.00054
invariant mass sorted by North 267 tower (row: 13 , col: 4)
_by_Ntower_267
Entries 31801
Mean 0.1901
RMS 0.08813
χ² / ndf 93.58 / 42
p0 407.6 ± 45.5
p1 0.009178 ± 0.000990
p2 0.104 ± 0.004
p3 1.505 ± 0.063
p4 973.9 ± 22.5
mean 0.1366 ± 0.0004
sigma 0.01968 ± 0.00056
invariant mass sorted by North 268 tower (row: 13 , col: 5)
_by_Ntower_268
Entries 24762
Mean 0.1913
RMS 0.08854
χ² / ndf 61.88 / 42
p0 388.2 ± 55.8
p1 0.006924 ± 0.001557
p2 0.101 ± 0.004
p3 1.6 ± 0.1
p4 770.4 ± 19.3
mean 0.1356 ± 0.0005
sigma 0.01897 ± 0.00054
invariant mass sorted by North 269 tower (row: 13 , col: 6)
_by_Ntower_269
Entries 20646
Mean 0.1943
RMS 0.08749
χ² / ndf 72.78 / 42
p0 588.5 ± 111.6
p1 0.006088 ± 0.001770
p2 0.08821 ± 0.00391
p3 1.939 ± 0.103
p4 652 ± 18.8
mean 0.1348 ± 0.0005
sigma 0.01816 ± 0.00058
invariant mass sorted by North 270 tower (row: 13 , col: 7)
_by_Ntower_270
Entries 21862
Mean 0.1952
RMS 0.08822
χ² / ndf 92.67 / 42
p0 483 ± 92.8
p1 0.004393 ± 0.002284
p2 0.09926 ± 0.00563
p3 1.831 ± 0.112
p4 808.3 ± 20.0
mean 0.1355 ± 0.0004
sigma 0.01777 ± 0.00047
invariant mass sorted by North 271 tower (row: 13 , col: 8)
_by_Ntower_271
Entries 21058
Mean 0.1942
RMS 0.08826
χ² / ndf 66.84 / 42
p0 533.6 ± 124.4
p1 0.0001354 ± 0.0033886
p2 0.097 ± 0.005
p3 1.928 ± 0.136
p4 860 ± 21.3
mean 0.1354 ± 0.0004
sigma 0.01637 ± 0.00044
invariant mass sorted by North 272 tower (row: 13 , col: 9)
_by_Ntower_272
Entries 21814
Mean 0.1949
RMS 0.08797
χ² / ndf 70.51 / 42
p0 334.8 ± 45.8
p1 0.009476 ± 0.001416
p2 0.1104 ± 0.0053
p3 1.67 ± 0.08
p4 974.4 ± 21.6
mean 0.1349 ± 0.0003
sigma 0.01597 ± 0.00034
invariant mass sorted by North 273 tower (row: 13 , col: 10)
_by_Ntower_273
Entries 19081
Mean 0.1936
RMS 0.08934
χ² / ndf 57.22 / 42
p0 196.6 ± 25.6
p1 0.007978 ± 0.001855
p2 0.1389 ± 0.0095
p3 1.441 ± 0.096
p4 891.7 ± 17.8
mean 0.1343 ± 0.0003
sigma 0.01716 ± 0.00035
invariant mass sorted by North 274 tower (row: 13 , col: 11)
_by_Ntower_274
Entries 13730
Mean 0.1954
RMS 0.08951
χ² / ndf 42.27 / 42
p0 158.8 ± 24.9
p1 0.009125 ± 0.002189
p2 0.1289 ± 0.0088
p3 1.499 ± 0.104
p4 620.3 ± 16.7
mean 0.1339 ± 0.0004
sigma 0.01621 ± 0.00044
invariant mass sorted by North 275 tower (row: 13 , col: 12)
_by_Ntower_275
Entries 14273
Mean 0.1941
RMS 0.08957
χ² / ndf 37.78 / 42
p0 119.6 ± 12.8
p1 0.01034 ± 0.00130
p2 0.1522 ± 0.0118
p3 1.313 ± 0.088
p4 666 ± 17.2
mean 0.1348 ± 0.0004
sigma 0.01642 ± 0.00040
invariant mass sorted by North 276 tower (row: 13 , col: 13)
_by_Ntower_276
Entries 11576
Mean 0.1952
RMS 0.08994
χ² / ndf 58.29 / 41
p0 99.82 ± 23.02
p1 0.008736 ± 0.005421
p2 0.1512 ± 0.0175
p3 1.339 ± 0.181
p4 523.9 ± 15.1
mean 0.1351 ± 0.0004
sigma 0.01611 ± 0.00045
invariant mass sorted by North 277 tower (row: 13 , col: 14)
_by_Ntower_277
Entries 10254
Mean 0.1959
RMS 0.09
χ² / ndf 37.24 / 41
p0 98.23 ± 39.81
p1 0.00378 ± 0.00805
p2 0.1548 ± 0.0227
p3 1.46 ± 0.25
p4 477 ± 14.0
mean 0.1351 ± 0.0004
sigma 0.01588 ± 0.00043
invariant mass sorted by North 278 tower (row: 13 , col: 15)
_by_Ntower_278
Entries 6852
Mean 0.2009
RMS 0.09284
χ² / ndf 37.08 / 41
p0 57.72 ± 13.69
p1 0.005508 ± 0.009242
p2 0.1967 ± 0.0384
p3 1.242 ± 0.257
p4 281.9 ± 11.1
mean 0.1348 ± 0.0006
sigma 0.01632 ± 0.00061
invariant mass sorted by North 279 tower (row: 13 , col: 16)
_by_Ntower_279
Entries 5566
Mean 0.1938
RMS 0.0895
χ² / ndf 64.12 / 42
p0 51.53 ± 15.63
p1 0.002718 ± 0.007114
p2 0.1527 ± 0.0247
p3 1.468 ± 0.243
p4 274.7 ± 10.9
mean 0.1362 ± 0.0006
sigma 0.01567 ± 0.00058
invariant mass sorted by North 280 tower (row: 13 , col: 17)
_by_Ntower_280
Entries 3317
Mean 0.2025
RMS 0.09173
χ² / ndf 58.35 / 42
p0 44.38 ± 26.10
p1 −0.001871 ± 0.012821
p2 0.138 ± 0.030
p3 1.721 ± 0.437
p4 125 ± 7.6
mean 0.1355 ± 0.0009
sigma 0.0164 ± 0.0010
invariant mass sorted by North 281 tower (row: 13 , col: 18)
_by_Ntower_281
Entries 3289
Mean 0.1909
RMS 0.09066
χ² / ndf 40.63 / 41
p0 14.66 ± 1.67
p1 0.01605 ± 0.00380
p2 0.25 ± 0.19
p3 0.7975 ± 0.0722
p4 135.1 ± 7.3
mean 0.1357 ± 0.0009
sigma 0.0172 ± 0.0008
invariant mass sorted by North 282 tower (row: 13 , col: 19)
_by_Ntower_282
Entries 2265
Mean 0.2025
RMS 0.09481
χ² / ndf 31.66 / 42
p0 25.58 ± 7.89
p1 −0.01676 ± 0.02166
p2 0.25 ± 0.20
p3 1.463 ± 0.272
p4 80.78 ± 5.38
mean 0.1368 ± 0.0011
sigma 0.01914 ± 0.00131
invariant mass sorted by North 283 tower (row: 13 , col: 20)
_by_Ntower_283
Entries 2148
Mean 0.2022
RMS 0.09945
χ² / ndf 57.94 / 41
p0 31.88 ± 21.38
p1 −0.1003 ± 0.1034
p2 0.25 ± 0.20
p3 1.855 ± 0.803
p4 61.67 ± 5.06
mean 0.1355 ± 0.0014
sigma 0.01824 ± 0.00156
invariant mass sorted by North 284 tower (row: 13 , col: 21)
_by_Ntower_284
Entries 1919
Mean 0.2041
RMS 0.09567
χ² / ndf 32.6 / 41
p0 982.1 ± 1646.7
p1 −0.1362 ± 0.0582
p2 0.08873 ± 0.01826
p3 4.758 ± 1.429
p4 49.15 ± 4.04
mean 0.1321 ± 0.0017
sigma 0.02098 ± 0.00162
invariant mass sorted by North 285 tower (row: 13 , col: 22)
mass_by_Ntower_285
Entries 3
Mean 0.2592
RMS 0
invariant mass [GeV]

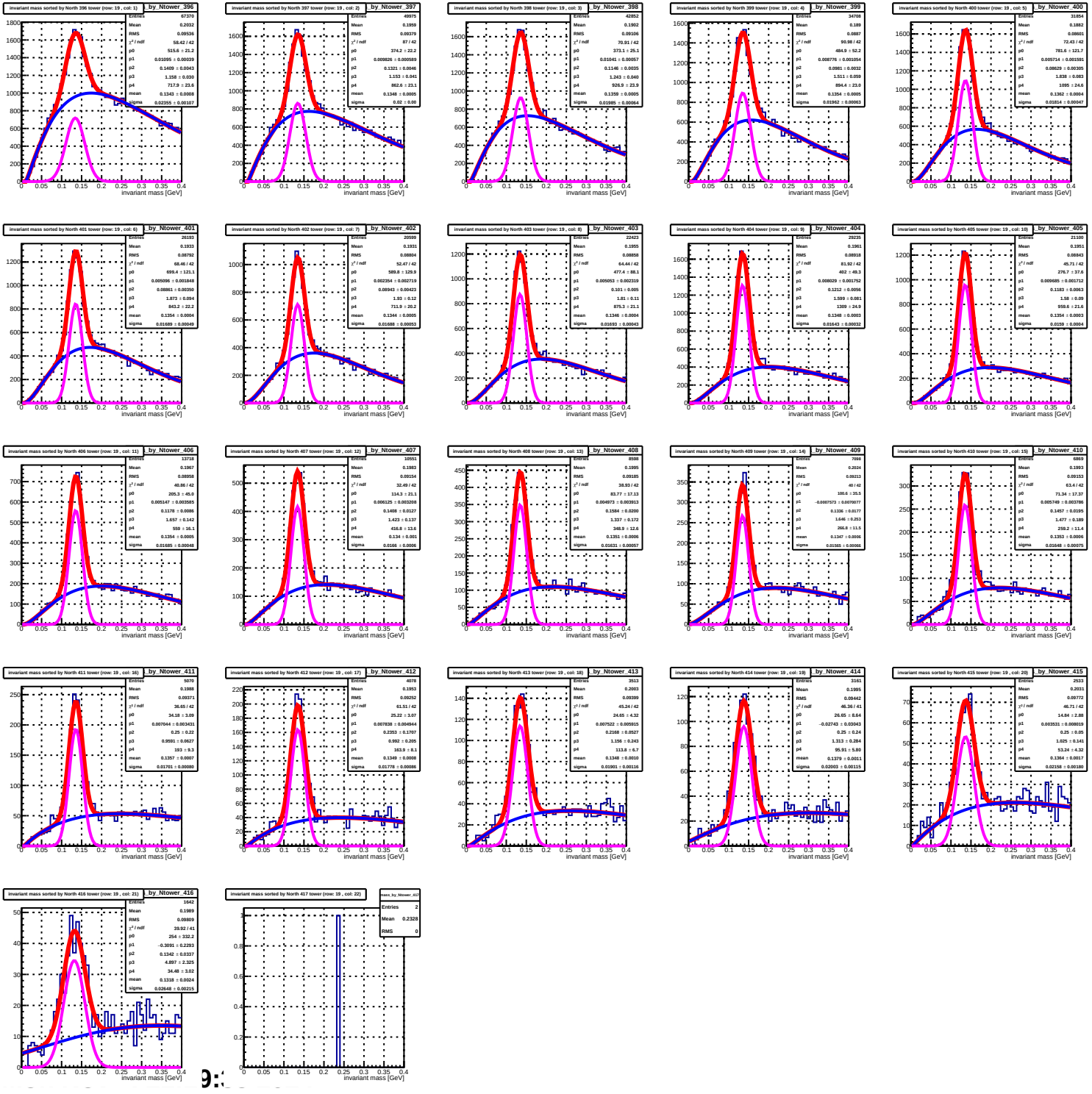

invariant mass sorted by North 286 tower (row: 14 , col: 1)
_by_Ntower_286
Entries 64741
Mean 0.2039
RMS 0.0955
χ² / ndf 70.84 / 42
p0 4943 ± 20.5
p1 0.01079 ± 0.00049
p2 0.1485 ± 0.0050
p3 1.16 ± 0.03
p4 717.9 ± 22.0
mean 0.1331 ± 0.0008
sigma 0.02717 ± 0.00117
invariant mass sorted by North 287 tower (row: 14 , col: 2)
_by_Ntower_287
Entries 49127
Mean 0.1967
RMS 0.09386
χ² / ndf 72.2 / 42
p0 349.8 ± 21.1
p1 0.01 ± 0.00
p2 0.138 ± 0.005
p3 1.111 ± 0.043
p4 827.4 ± 23.7
mean 0.1362 ± 0.0006
sigma 0.0205 ± 0.0007
invariant mass sorted by North 288 tower (row: 14 , col: 3)
_by_Ntower_288
Entries 40538
Mean 0.1908
RMS 0.09171
χ² / ndf 114.2 / 42
p0 318.2 ± 20.0
p1 0.011 ± 0.000
p2 0.1217 ± 0.0042
p3 1.194 ± 0.039
p4 895 ± 22.7
mean 0.1352 ± 0.0005
sigma 0.02077 ± 0.00071
invariant mass sorted by North 289 tower (row: 14 , col: 4)
_by_Ntower_289
Entries 35720
Mean 0.1894
RMS 0.08775
χ² / ndf 93.62 / 42
p0 543.2 ± 43.7
p1 0.008023 ± 0.001204
p2 0.09712 ± 0.00335
p3 1.585 ± 0.065
p4 1054 ± 24.0
mean 0.1372 ± 0.0004
sigma 0.01932 ± 0.00052
invariant mass sorted by North 290 tower (row: 14 , col: 5)
_by_Ntower_290
Entries 27163
Mean 0.1908
RMS 0.08753
χ² / ndf 69.82 / 42
p0 601.1 ± 95.7
p1 0.00583 ± 0.00155
p2 0.0898 ± 0.0035
p3 1.768 ± 0.086
p4 776 ± 21.0
mean 0.1364 ± 0.0005
sigma 0.01896 ± 0.00060
invariant mass sorted by North 291 tower (row: 14 , col: 6)
_by_Ntower_291
Entries 22938
Mean 0.1932
RMS 0.08756
χ² / ndf 59.09 / 42
p0 546.8 ± 92.3
p1 0.007404 ± 0.001904
p2 0.09081 ± 0.00370
p3 1.82 ± 0.09
p4 736.6 ± 20.5
mean 0.1356 ± 0.0005
sigma 0.01799 ± 0.00059
invariant mass sorted by North 292 tower (row: 14 , col: 7)
_by_Ntower_292
Entries 22943
Mean 0.1942
RMS 0.0882
χ² / ndf 43.99 / 42
p0 482.5 ± 80.6
p1 0.005754 ± 0.001789
p2 0.09859 ± 0.00450
p3 1.772 ± 0.096
p4 838.8 ± 20.5
mean 0.135 ± 0.000
sigma 0.01755 ± 0.00044
invariant mass sorted by North 293 tower (row: 14 , col: 8)
_by_Ntower_293
Entries 22580
Mean 0.1977
RMS 0.08925
χ² / ndf 44.94 / 42
p0 434 ± 70.9
p1 0.007325 ± 0.002202
p2 0.1082 ± 0.0054
p3 1.754 ± 0.100
p4 891.9 ± 20.6
mean 0.1342 ± 0.0004
sigma 0.01746 ± 0.00042
invariant mass sorted by North 294 tower (row: 14 , col: 9)
_by_Ntower_294
Entries 25129
Mean 0.1951
RMS 0.08937
χ² / ndf 56.16 / 42
p0 341.3 ± 48.6
p1 0.006827 ± 0.002129
p2 0.1228 ± 0.0067
p3 1.591 ± 0.095
p4 1118 ± 22.4
mean 0.1339 ± 0.0003
sigma 0.01687 ± 0.00033
invariant mass sorted by North 295 tower (row: 14 , col: 10)
_by_Ntower_295
Entries 22358
Mean 0.1918
RMS 0.08809
χ² / ndf 44.08 / 42
p0 232.2 ± 22.9
p1 0.01101 ± 0.00111
p2 0.1274 ± 0.0063
p3 1.45 ± 0.07
p4 1121 ± 22.7
mean 0.1344 ± 0.0003
sigma 0.016 ± 0.000
invariant mass sorted by North 296 tower (row: 14 , col: 11)
_by_Ntower_296
Entries 18591
Mean 0.1924
RMS 0.08912
χ² / ndf 70.58 / 42
p0 163.9 ± 18.5
p1 0.009498 ± 0.001932
p2 0.149 ± 0.011
p3 1.345 ± 0.089
p4 938.8 ± 20.3
mean 0.1348 ± 0.0003
sigma 0.01656 ± 0.00035
invariant mass sorted by North 297 tower (row: 14 , col: 12)
_by_Ntower_297
Entries 15123
Mean 0.1939
RMS 0.08998
χ² / ndf 53.14 / 42
p0 128 ± 13.4
p1 0.009557 ± 0.001682
p2 0.1589 ± 0.0128
p3 1.31 ± 0.09
p4 758.6 ± 18.4
mean 0.1344 ± 0.0004
sigma 0.01609 ± 0.00038
invariant mass sorted by North 298 tower (row: 14 , col: 13)
_by_Ntower_298
Entries 13161
Mean 0.1937
RMS 0.08872
χ² / ndf 46.56 / 42
p0 134.4 ± 25.8
p1 0.005869 ± 0.003093
p2 0.138 ± 0.013
p3 1.493 ± 0.140
p4 629.9 ± 16.4
mean 0.1356 ± 0.0004
sigma 0.01614 ± 0.00038
invariant mass sorted by North 299 tower (row: 14 , col: 14)
_by_Ntower_299
Entries 11540
Mean 0.1931
RMS 0.08951
χ² / ndf 59.99 / 42
p0 87.65 ± 11.82
p1 0.008148 ± 0.002632
p2 0.1619 ± 0.0164
p3 1.292 ± 0.118
p4 541.3 ± 16.0
mean 0.1354 ± 0.0004
sigma 0.01621 ± 0.00048
invariant mass sorted by North 300 tower (row: 14 , col: 15)
_by_Ntower_300
Entries 6796
Mean 0.1952
RMS 0.08975
χ² / ndf 34.15 / 42
p0 80.28 ± 28.42
p1 0.001245 ± 0.007346
p2 0.1353 ± 0.0185
p3 1.618 ± 0.256
p4 298.5 ± 11.4
mean 0.1352 ± 0.0006
sigma 0.01685 ± 0.00063
invariant mass sorted by North 301 tower (row: 14 , col: 16)
_by_Ntower_301
Entries 5632
Mean 0.1979
RMS 0.09154
χ² / ndf 46.75 / 42
p0 41.14 ± 5.71
p1 0.00864 ± 0.00333
p2 0.1988 ± 0.0356
p3 1.189 ± 0.174
p4 251.6 ± 10.3
mean 0.1354 ± 0.0006
sigma 0.01618 ± 0.00063
invariant mass sorted by North 302 tower (row: 14 , col: 17)
_by_Ntower_302
Entries 4389
Mean 0.1978
RMS 0.0912
χ² / ndf 36.62 / 41
p0 36.62 ± 14.44
p1 0.004013 ± 0.012066
p2 0.1676 ± 0.0370
p3 1.337 ± 0.348
p4 176.1 ± 8.7
mean 0.1358 ± 0.0008
sigma 0.01659 ± 0.00079
invariant mass sorted by North 303 tower (row: 14 , col: 18)
_by_Ntower_303
Entries 3489
Mean 0.197
RMS 0.09112
χ² / ndf 55.76 / 42
p0 30.98 ± 12.19
p1 0.00231 ± 0.01028
p2 0.1597 ± 0.0337
p3 1.44 ± 0.33
p4 146 ± 8.0
mean 0.1361 ± 0.0008
sigma 0.01624 ± 0.00084
invariant mass sorted by North 304 tower (row: 14 , col: 19)
_by_Ntower_304
Entries 2606
Mean 0.2028
RMS 0.09582
χ² / ndf 32.92 / 42
p0 17.04 ± 2.07
p1 0.008906 ± 0.003561
p2 0.25 ± 0.05
p3 0.9496 ± 0.0801
p4 85.46 ± 6.01
mean 0.135 ± 0.001
sigma 0.01646 ± 0.00117
invariant mass sorted by North 305 tower (row: 14 , col: 20)
_by_Ntower_305
Entries 2493
Mean 0.1995
RMS 0.09474
χ² / ndf 85.42 / 42
p0 106.2 ± 7.6
p1 -0.05633 ± 0.01944
p2 0.1337 ± 0.0188
p3 2.92 ± 0.06
p4 78.31 ± 5.14
mean 0.136 ± 0.001
sigma 0.02213 ± 0.00147
invariant mass sorted by North 306 tower (row: 14 , col: 21)
_by_Ntower_306
Entries 2370
Mean 0.2084
RMS 0.09733
χ² / ndf 26.14 / 41
p0 90.56 ± 253.74
p1 -0.08454 ± 0.11254
p2 0.1503 ± 0.0940
p3 2.789 ± 2.574
p4 54.33 ± 4.25
mean 0.132 ± 0.002
sigma 0.02184 ± 0.00165
invariant mass sorted by North 307 tower (row: 14 , col: 22)
mass_by_Ntower_307
Entries 20
Mean 0.2213
RMS 0.08765
invariant mass [GeV]

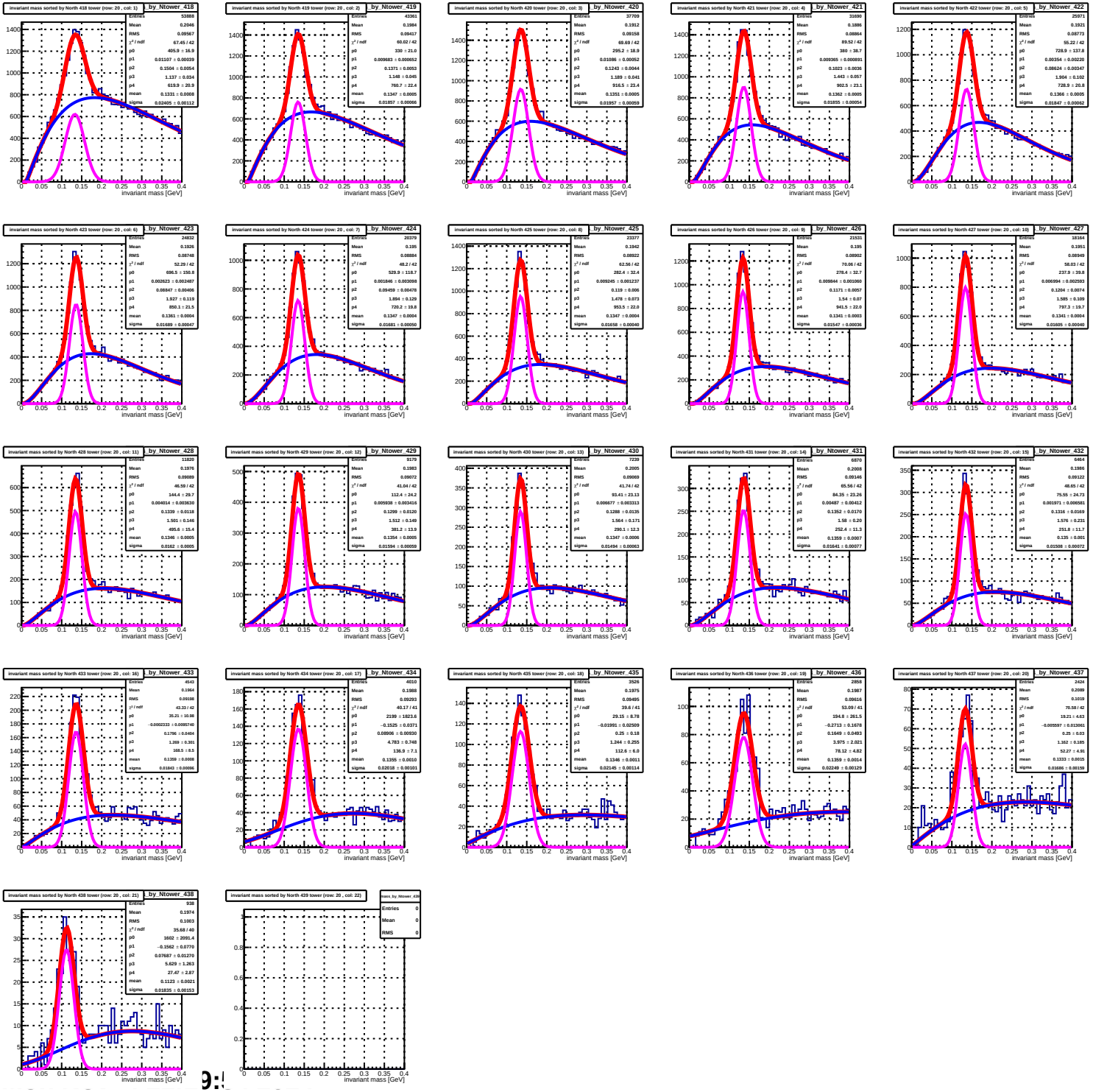

invariant mass sorted by North 308 tower (row: 15 , col: 1)
_by_Ntower_308
Entries 78000
Mean 0.2024
RMS 0.09544
χ² / ndf 110.2 / 42
p0 5619.9 ± 22.7
p1 0.01101 ± 0.00038
p2 0.146 ± 0.005
p3 1.142 ± 0.030
p4 808.6 ± 24.4
mean 0.1336 ± 0.0008
sigma 0.02873 ± 0.00139
invariant mass sorted by North 309 tower (row: 15 , col: 2)
_by_Ntower_309
Entries 56492
Mean 0.1964
RMS 0.09427
χ² / ndf 67.05 / 42
p0 379.9 ± 19.0
p1 0.01037 ± 0.00046
p2 0.1402 ± 0.0048
p3 1.08 ± 0.04
p4 857.4 ± 22.6
mean 0.1356 ± 0.0006
sigma 0.02217 ± 0.00077
invariant mass sorted by North 310 tower (row: 15 , col: 3)
_by_Ntower_310
Entries 44316
Mean 0.1891
RMS 0.09139
χ² / ndf 94.71 / 42
p0 367 ± 22.0
p1 0.01114 ± 0.00050
p2 0.1144 ± 0.0033
p3 1.222 ± 0.036
p4 956.1 ± 23.4
mean 0.1347 ± 0.0005
sigma 0.02003 ± 0.00061
invariant mass sorted by North 311 tower (row: 15 , col: 4)
_by_Ntower_311
Entries 37814
Mean 0.1894
RMS 0.08793
χ² / ndf 69.74 / 42
p0 547.8 ± 54.9
p1 0.009467 ± 0.000961
p2 0.09821 ± 0.00308
p3 1.552 ± 0.054
p4 1034 ± 23.2
mean 0.1357 ± 0.0004
sigma 0.02065 ± 0.00058
invariant mass sorted by North 312 tower (row: 15 , col: 5)
_by_Ntower_312
Entries 31319
Mean 0.1896
RMS 0.0864
χ² / ndf 105.1 / 42
p0 737.6 ± 107.0
p1 0.007815 ± 0.001319
p2 0.08646 ± 0.00296
p3 1.8 ± 0.1
p4 969.1 ± 23.1
mean 0.1363 ± 0.0004
sigma 0.01853 ± 0.00052
invariant mass sorted by North 313 tower (row: 15 , col: 6)
_by_Ntower_313
Entries 36705
Mean 0.1941
RMS 0.0873
χ² / ndf 72.49 / 42
p0 1065 ± 202.3
p1 0.002334 ± 0.002149
p2 0.0862 ± 0.0034
p3 2.037 ± 0.104
p4 1066 ± 24.3
mean 0.1355 ± 0.0004
sigma 0.01723 ± 0.00044
invariant mass sorted by North 314 tower (row: 15 , col: 7)
_by_Ntower_314
Entries 23954
Mean 0.195
RMS 0.08766
χ² / ndf 59.96 / 42
p0 759.8 ± 146.7
p1 0.004228 ± 0.002164
p2 0.08833 ± 0.00371
p3 1.989 ± 0.107
p4 847.7 ± 22.0
mean 0.1345 ± 0.0004
sigma 0.01678 ± 0.00049
invariant mass sorted by North 315 tower (row: 15 , col: 8)
_by_Ntower_315
Entries 26214
Mean 0.1958
RMS 0.08879
χ² / ndf 88.33 / 42
p0 501.6 ± 81.3
p1 0.005722 ± 0.002192
p2 0.1051 ± 0.0049
p3 1.753 ± 0.097
p4 1052 ± 23.3
mean 0.1352 ± 0.0004
sigma 0.01689 ± 0.00041
invariant mass sorted by North 316 tower (row: 15 , col: 9)
_by_Ntower_316
Entries 25239
Mean 0.1951
RMS 0.08865
χ² / ndf 58.68 / 42
p0 379.4 ± 54.5
p1 0.007325 ± 0.001949
p2 0.1178 ± 0.0061
p3 1.657 ± 0.093
p4 1175 ± 23.1
mean 0.1344 ± 0.0003
sigma 0.01665 ± 0.00032
invariant mass sorted by North 317 tower (row: 15 , col: 10)
_by_Ntower_317
Entries 22339
Mean 0.1919
RMS 0.08829
χ² / ndf 66.3 / 42
p0 254.1 ± 32.1
p1 0.008284 ± 0.001733
p2 0.1248 ± 0.0068
p3 1.503 ± 0.084
p4 1105 ± 22.4
mean 0.1347 ± 0.0003
sigma 0.01607 ± 0.00031
invariant mass sorted by North 318 tower (row: 15 , col: 11)
_by_Ntower_318
Entries 15828
Mean 0.1936
RMS 0.0896
χ² / ndf 72.38 / 42
p0 171.9 ± 24.2
p1 0.008329 ± 0.002084
p2 0.1322 ± 0.0088
p3 1.47 ± 0.10
p4 750.9 ± 18.7
mean 0.1338 ± 0.0004
sigma 0.01642 ± 0.00041
invariant mass sorted by North 319 tower (row: 15 , col: 12)
_by_Ntower_319
Entries 15278
Mean 0.1934
RMS 0.08973
χ² / ndf 69.13 / 42
p0 133.6 ± 18.8
p1 0.008319 ± 0.001995
p2 0.1529 ± 0.0128
p3 1.331 ± 0.103
p4 738.7 ± 17.3
mean 0.1348 ± 0.0004
sigma 0.01678 ± 0.00039
invariant mass sorted by North 320 tower (row: 15 , col: 13)
_by_Ntower_320
Entries 11245
Mean 0.1931
RMS 0.08882
χ² / ndf 59.43 / 42
p0 130.7 ± 28.7
p1 0.005966 ± 0.003531
p2 0.1243 ± 0.0106
p3 1.557 ± 0.147
p4 526.1 ± 16.1
mean 0.1345 ± 0.0004
sigma 0.01563 ± 0.00048
invariant mass sorted by North 321 tower (row: 15 , col: 14)
_by_Ntower_321
Entries 8642
Mean 0.1967
RMS 0.09061
χ² / ndf 50.57 / 42
p0 88.84 ± 20.23
p1 0.005736 ± 0.004590
p2 0.1441 ± 0.0161
p3 1.461 ± 0.173
p4 384.6 ± 13.2
mean 0.1345 ± 0.0005
sigma 0.01604 ± 0.00053
invariant mass sorted by North 322 tower (row: 15 , col: 15)
_by_Ntower_322
Entries 7792
Mean 0.1967
RMS 0.09095
χ² / ndf 37.82 / 42
p0 56.73 ± 7.17
p1 0.01003 ± 0.00187
p2 0.1668 ± 0.0189
p3 1.212 ± 0.118
p4 334.3 ± 12.7
mean 0.1355 ± 0.0005
sigma 0.01547 ± 0.00058
invariant mass sorted by North 323 tower (row: 15 , col: 16)
_by_Ntower_323
Entries 5734
Mean 0.1951
RMS 0.09025
χ² / ndf 48.62 / 41
p0 42.22 ± 9.78
p1 0.008842 ± 0.007999
p2 0.1866 ± 0.0549
p3 1.228 ± 0.236
p4 259.8 ± 10.6
mean 0.1356 ± 0.0006
sigma 0.01713 ± 0.00070
invariant mass sorted by North 324 tower (row: 15 , col: 17)
_by_Ntower_324
Entries 4818
Mean 0.1956
RMS 0.09069
χ² / ndf 41.38 / 42
p0 36.65 ± 8.50
p1 0.003752 ± 0.006776
p2 0.1872 ± 0.0383
p3 1.273 ± 0.244
p4 215.1 ± 9.6
mean 0.1362 ± 0.0007
sigma 0.01669 ± 0.00071
invariant mass sorted by North 325 tower (row: 15 , col: 18)
_by_Ntower_325
Entries 3961
Mean 0.197
RMS 0.09399
χ² / ndf 61.65 / 42
p0 22.18 ± 2.11
p1 0.009852 ± 0.002192
p2 0.25 ± 0.03
p3 0.9098 ± 0.0603
p4 152.5 ± 8.0
mean 0.135 ± 0.001
sigma 0.01662 ± 0.00082
invariant mass sorted by North 326 tower (row: 15 , col: 19)
_by_Ntower_326
Entries 2884
Mean 0.2003
RMS 0.09441
χ² / ndf 70.26 / 42
p0 19 ± 2.8
p1 0.006167 ± 0.005662
p2 0.25 ± 0.05
p3 1.044 ± 0.105
p4 104 ± 6.9
mean 0.1354 ± 0.0010
sigma 0.01711 ± 0.00113
invariant mass sorted by North 327 tower (row: 15 , col: 20)
_by_Ntower_327
Entries 3247
Mean 0.199
RMS 0.09652
χ² / ndf 46.84 / 42
p0 17.09 ± 3.03
p1 0.003337 ± 0.007929
p2 0.25 ± 0.02
p3 0.9557 ± 0.1249
p4 98.44 ± 6.48
mean 0.1353 ± 0.0010
sigma 0.01654 ± 0.00107
invariant mass sorted by North 328 tower (row: 15 , col: 21)
_by_Ntower_328
Entries 1357
Mean 0.2033
RMS 0.09979
χ² / ndf 50.29 / 42
p0 16.05 ± 6.61
p1 -0.01961 ± 0.02911
p2 0.25 ± 0.24
p3 1.579 ± 0.372
p4 43.7 ± 4.1
mean 0.1196 ± 0.0015
sigma 0.01817 ± 0.00168
invariant mass sorted by North 329 tower (row: 15 , col: 22)
mass_by_Ntower_329
Entries 11
Mean 0.1418
RMS 0.07893
invariant mass [GeV]

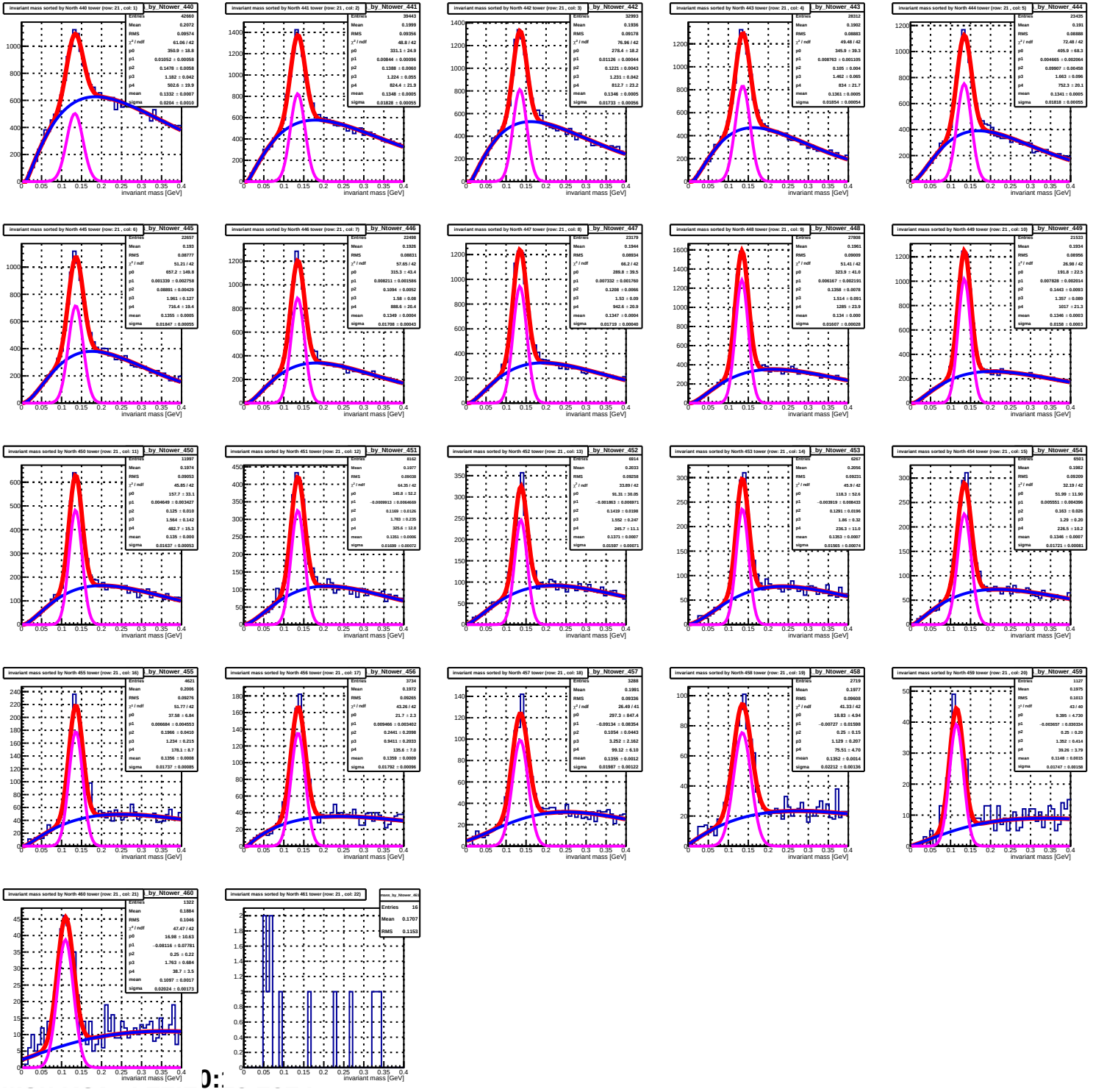

invariant mass sorted by North 330 tower (row: 16 , col: 1)
_by_Ntower_330
Entries 86982
Mean 0.2026
RMS 0.09577
χ² / ndf 116.7 / 42
p0 608.6 ± 19.6
p1 0.01125 ± 0.00029
p2 0.1512 ± 0.0047
p3 1.103 ± 0.026
p4 921.8 ± 25.7
mean 0.1332 ± 0.0007
sigma 0.02778 ± 0.00119
invariant mass sorted by North 331 tower (row: 16 , col: 2)
_by_Ntower_331
Entries 58741
Mean 0.1957
RMS 0.09484
χ² / ndf 61.33 / 42
p0 372.5 ± 15.6
p1 0.01056 ± 0.00040
p2 0.1448 ± 0.0047
p3 1.03 ± 0.03
p4 901.1 ± 24.5
mean 0.1336 ± 0.0006
sigma 0.02168 ± 0.00077
invariant mass sorted by North 332 tower (row: 16 , col: 3)
_by_Ntower_332
Entries 48949
Mean 0.1892
RMS 0.09134
χ² / ndf 98.56 / 42
p0 420.6 ± 26.6
p1 0.01036 ± 0.00054
p2 0.1128 ± 0.0032
p3 1.235 ± 0.037
p4 994.4 ± 25.2
mean 0.136 ± 0.001
sigma 0.02043 ± 0.00066
invariant mass sorted by North 333 tower (row: 16 , col: 4)
_by_Ntower_333
Entries 40235
Mean 0.1876
RMS 0.08699
χ² / ndf 97.05 / 42
p0 691.1 ± 77.6
p1 0.00855 ± 0.00103
p2 0.09133 ± 0.00279
p3 1.634 ± 0.059
p4 1130 ± 25.3
mean 0.1364 ± 0.0004
sigma 0.01997 ± 0.00055
invariant mass sorted by North 334 tower (row: 16 , col: 5)
_by_Ntower_334
Entries 33008
Mean 0.1899
RMS 0.0864
χ² / ndf 72.57 / 42
p0 893.1 ± 129.5
p1 0.006649 ± 0.001301
p2 0.08475 ± 0.00280
p3 1.872 ± 0.076
p4 1041 ± 24.4
mean 0.1355 ± 0.0004
sigma 0.01832 ± 0.00046
invariant mass sorted by North 335 tower (row: 16 , col: 6)
_by_Ntower_335
Entries 31044
Mean 0.1942
RMS 0.0869
χ² / ndf 67.98 / 42
p0 1116 ± 195.0
p1 0.004881 ± 0.001798
p2 0.08416 ± 0.00300
p3 2.046 ± 0.094
p4 1046 ± 23.5
mean 0.1357 ± 0.0004
sigma 0.01757 ± 0.00043
invariant mass sorted by North 336 tower (row: 16 , col: 7)
_by_Ntower_336
Entries 27148
Mean 0.1947
RMS 0.0874
χ² / ndf 57.85 / 42
p0 1014 ± 223.3
p1 0.001529 ± 0.002746
p2 0.0867 ± 0.0037
p3 2.097 ± 0.123
p4 962.7 ± 22.3
mean 0.1351 ± 0.0004
sigma 0.01769 ± 0.00043
invariant mass sorted by North 337 tower (row: 16 , col: 8)
_by_Ntower_337
Entries 27237
Mean 0.1955
RMS 0.0878
χ² / ndf 74.16 / 42
p0 635.7 ± 108.8
p1 0.007013 ± 0.002110
p2 0.09615 ± 0.00429
p3 1.868 ± 0.100
p4 1116 ± 23.3
mean 0.1345 ± 0.0003
sigma 0.01702 ± 0.00037
invariant mass sorted by North 338 tower (row: 16 , col: 9)
_by_Ntower_338
Entries 24042
Mean 0.1959
RMS 0.08853
χ² / ndf 48.8 / 42
p0 402.2 ± 54.9
p1 0.00885 ± 0.00160
p2 0.1099 ± 0.0050
p3 1.69 ± 0.08
p4 1024 ± 22.2
mean 0.1344 ± 0.0003
sigma 0.01671 ± 0.00037
invariant mass sorted by North 339 tower (row: 16 , col: 10)
_by_Ntower_339
Entries 20166
Mean 0.1944
RMS 0.08856
χ² / ndf 42.6 / 42
p0 311.4 ± 53.2
p1 0.006884 ± 0.002476
p2 0.1144 ± 0.0065
p3 1.672 ± 0.108
p4 933.7 ± 20.7
mean 0.1345 ± 0.0003
sigma 0.01646 ± 0.00036
invariant mass sorted by North 340 tower (row: 16 , col: 11)
_by_Ntower_340
Entries 17189
Mean 0.1942
RMS 0.08901
χ² / ndf 38.42 / 42
p0 188.9 ± 23.3
p1 0.009872 ± 0.001270
p2 0.1299 ± 0.0080
p3 1.462 ± 0.085
p4 805.3 ± 17.8
mean 0.1343 ± 0.0004
sigma 0.01623 ± 0.00036
invariant mass sorted by North 341 tower (row: 16 , col: 12)
_by_Ntower_341
Entries 17039
Mean 0.1938
RMS 0.08869
χ² / ndf 67.18 / 42
p0 178.1 ± 24.7
p1 0.00856 ± 0.00194
p2 0.137 ± 0.010
p3 1.477 ± 0.101
p4 832.2 ± 19.2
mean 0.1353 ± 0.0004
sigma 0.01642 ± 0.00038
invariant mass sorted by North 342 tower (row: 16 , col: 13)
_by_Ntower_342
Entries 11928
Mean 0.1947
RMS 0.09036
χ² / ndf 52.25 / 42
p0 89.49 ± 8.70
p1 0.009364 ± 0.001732
p2 0.1688 ± 0.0167
p3 1.211 ± 0.103
p4 552.9 ± 15.8
mean 0.1356 ± 0.0004
sigma 0.01624 ± 0.00044
invariant mass sorted by North 343 tower (row: 16 , col: 14)
_by_Ntower_343
Entries 9199
Mean 0.1995
RMS 0.09128
χ² / ndf 44.29 / 42
p0 91.57 ± 16.71
p1 0.006575 ± 0.003462
p2 0.1585 ± 0.0188
p3 1.412 ± 0.135
p4 407.2 ± 13.8
mean 0.1355 ± 0.0005
sigma 0.01592 ± 0.00052
invariant mass sorted by North 344 tower (row: 16 , col: 15)
_by_Ntower_344
Entries 8154
Mean 0.1996
RMS 0.09196
χ² / ndf 50.38 / 42
p0 64.43 ± 6.82
p1 0.009891 ± 0.001969
p2 0.1852 ± 0.0229
p3 1.207 ± 0.118
p4 344.1 ± 12.6
mean 0.135 ± 0.001
sigma 0.01612 ± 0.00057
invariant mass sorted by North 345 tower (row: 16 , col: 16)
_by_Ntower_345
Entries 5326
Mean 0.199
RMS 0.09185
χ² / ndf 42.45 / 42
p0 42.44 ± 8.30
p1 0.006693 ± 0.00485
p2 0.1743 ± 0.0275
p3 1.258 ± 0.187
p4 221.1 ± 10.5
mean 0.1355 ± 0.0007
sigma 0.01556 ± 0.00074
invariant mass sorted by North 346 tower (row: 16 , col: 17)
_by_Ntower_346
Entries 4619
Mean 0.1983
RMS 0.09217
χ² / ndf 45.29 / 41
p0 43.98 ± 19.06
p1 -0.001184 ± 0.015849
p2 0.1769 ± 0.0465
p3 1.425 ± 0.388
p4 196.9 ± 9.5
mean 0.1346 ± 0.0007
sigma 0.01643 ± 0.00079
invariant mass sorted by North 347 tower (row: 16 , col: 18)
_by_Ntower_347
Entries 4572
Mean 0.1946
RMS 0.0908
χ² / ndf 38.48 / 41
p0 31.33 ± 10.34
p1 0.007422 ± 0.009871
p2 0.1683 ± 0.0345
p3 1.28 ± 0.29
p4 195.3 ± 9.1
mean 0.1354 ± 0.0007
sigma 0.01539 ± 0.00066
invariant mass sorted by North 348 tower (row: 16 , col: 19)
_by_Ntower_348
Entries 3516
Mean 0.1999
RMS 0.0949
χ² / ndf 55.73 / 42
p0 25.47 ± 4.18
p1 0.002169 ± 0.007102
p2 0.25 ± 0.03
p3 1.15 ± 0.12
p4 130.1 ± 6.9
mean 0.1353 ± 0.0009
sigma 0.01722 ± 0.00079
invariant mass sorted by North 349 tower (row: 16 , col: 20)
_by_Ntower_349
Entries 2912
Mean 0.2076
RMS 0.09822
χ² / ndf 32.92 / 41
p0 797.1 ± 700.3
p1 -0.3207 ± 0.1521
p2 0.1296 ± 0.0224
p3 5.728 ± 1.712
p4 80.8 ± 5.1
mean 0.1358 ± 0.0013
sigma 0.01944 ± 0.00108
invariant mass sorted by North 350 tower (row: 16 , col: 21)
_by_Ntower_350
Entries 2247
Mean 0.198
RMS 0.09409
χ² / ndf 42.95 / 42
p0 13.13 ± 4.59
p1 0.002925 ± 0.010162
p2 0.1896 ± 0.0574
p3 1.161 ± 0.368
p4 52.97 ± 4.55
mean 0.1331 ± 0.0017
sigma 0.01946 ± 0.00163
invariant mass sorted by North 351 tower (row: 16 , col: 22)
mass_by_Ntower_35
Entries 21
Mean 0.1627
RMS 0.1027
invariant mass [GeV]

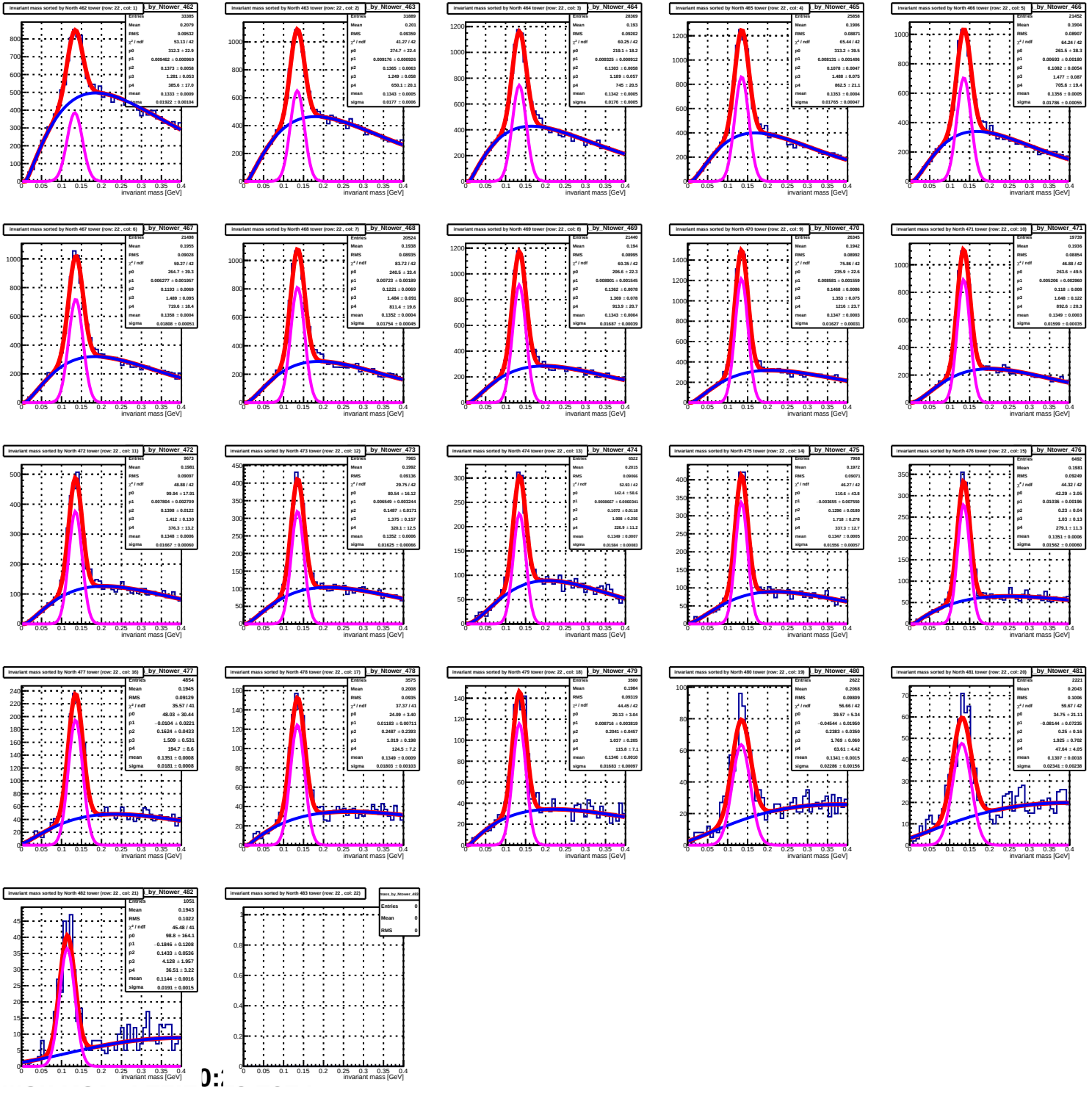

invariant mass sorted by North 352 tower (row: 17 , col: 1)
_by_Ntower_352
Entries 86112
Mean 0.2017
RMS 0.09593
χ² / ndf 109.8 / 42
p0 59.17 ± 19.5
p1 0.01089 ± 0.00036
p2 0.1544 ± 0.0048
p3 1.089 ± 0.028
p4 934 ± 25.6
mean 0.1323 ± 0.0007
sigma 0.02846 ± 0.00116
invariant mass sorted by North 353 tower (row: 17 , col: 2)
_by_Ntower_353
Entries 58968
Mean 0.196
RMS 0.09386
χ² / ndf 75.28 / 42
p0 457.9 ± 25.4
p1 0.009716 ± 0.000551
p2 0.1286 ± 0.0039
p3 1.168 ± 0.037
p4 946.5 ± 25.0
mean 0.134 ± 0.001
sigma 0.01958 ± 0.00068
invariant mass sorted by North 354 tower (row: 17 , col: 3)
_by_Ntower_354
Entries 47608
Mean 0.1878
RMS 0.09091
χ² / ndf 102.5 / 42
p0 416.1 ± 25.5
p1 0.01115 ± 0.00058
p2 0.1092 ± 0.0029
p3 1.25 ± 0.04
p4 951.4 ± 24.6
mean 0.1355 ± 0.0005
sigma 0.02095 ± 0.00069
invariant mass sorted by North 355 tower (row: 17 , col: 4)
_by_Ntower_355
Entries 38959
Mean 0.1871
RMS 0.08813
χ² / ndf 107.8 / 42
p0 530.3 ± 48.1
p1 0.009911 ± 0.000710
p2 0.09528 ± 0.00275
p3 1.487 ± 0.048
p4 1024 ± 25.1
mean 0.1361 ± 0.0004
sigma 0.01871 ± 0.00057
invariant mass sorted by North 356 tower (row: 17 , col: 5)
_by_Ntower_356
Entries 33346
Mean 0.1894
RMS 0.08651
χ² / ndf 70.91 / 42
p0 816.4 ± 106.8
p1 0.007952 ± 0.001100
p2 0.08516 ± 0.00267
p3 1.804 ± 0.068
p4 977.4 ± 24.1
mean 0.1359 ± 0.0004
sigma 0.0188 ± 0.0005
invariant mass sorted by North 357 tower (row: 17 , col: 6)
_by_Ntower_357
Entries 28815
Mean 0.1937
RMS 0.08766
χ² / ndf 64.7 / 42
p0 827.7 ± 127.5
p1 0.006371 ± 0.001569
p2 0.08618 ± 0.00298
p3 1.883 ± 0.082
p4 903.6 ± 24.2
mean 0.136 ± 0.000
sigma 0.01616 ± 0.00049
invariant mass sorted by North 358 tower (row: 17 , col: 7)
_by_Ntower_358
Entries 22636
Mean 0.1954
RMS 0.08816
χ² / ndf 66.12 / 42
p0 596.4 ± 107.8
p1 0.005472 ± 0.001992
p2 0.09179 ± 0.00401
p3 1.875 ± 0.100
p4 717 ± 20.0
mean 0.136 ± 0.000
sigma 0.01808 ± 0.00057
invariant mass sorted by North 359 tower (row: 17 , col: 8)
_by_Ntower_359
Entries 23910
Mean 0.1956
RMS 0.0886
χ² / ndf 50.78 / 42
p0 406.6 ± 55.5
p1 0.008343 ± 0.001356
p2 0.1071 ± 0.0049
p3 1.672 ± 0.081
p4 934.2 ± 21.6
mean 0.1352 ± 0.0004
sigma 0.01719 ± 0.00042
invariant mass sorted by North 360 tower (row: 17 , col: 9)
_by_Ntower_360
Entries 17882
Mean 0.1955
RMS 0.08882
χ² / ndf 37.6 / 42
p0 396.2 ± 86.8
p1 0.00384 ± 0.00285
p2 0.1011 ± 0.0058
p3 1.829 ± 0.139
p4 702.3 ± 18.5
mean 0.1339 ± 0.0004
sigma 0.01695 ± 0.00045
invariant mass sorted by North 361 tower (row: 17 , col: 10)
_by_Ntower_361
Entries 16850
Mean 0.1953
RMS 0.08916
χ² / ndf 60.74 / 42
p0 209 ± 26.1
p1 0.009913 ± 0.001171
p2 0.1215 ± 0.0069
p3 1.502 ± 0.080
p4 732.1 ± 18.1
mean 0.1353 ± 0.0004
sigma 0.01645 ± 0.00041
invariant mass sorted by North 362 tower (row: 17 , col: 11)
_by_Ntower_362
Entries 14545
Mean 0.1943
RMS 0.08872
χ² / ndf 52.94 / 42
p0 180.1 ± 26.1
p1 0.009752 ± 0.001505
p2 0.1187 ± 0.0072
p3 1.522 ± 0.092
p4 614.9 ± 16.2
mean 0.1354 ± 0.0004
sigma 0.01669 ± 0.00045
invariant mass sorted by North 363 tower (row: 17 , col: 12)
_by_Ntower_363
Entries 14797
Mean 0.1956
RMS 0.08969
χ² / ndf 60.13 / 42
p0 169.9 ± 31.5
p1 0.00541 ± 0.00296
p2 0.1339 ± 0.0111
p3 1.52 ± 0.13
p4 663.7 ± 16.7
mean 0.1352 ± 0.0004
sigma 0.01653 ± 0.00043
invariant mass sorted by North 364 tower (row: 17 , col: 13)
_by_Ntower_364
Entries 11522
Mean 0.196
RMS 0.09115
χ² / ndf 47.57 / 42
p0 84.53 ± 7.71
p1 0.01022 ± 0.00145
p2 0.173 ± 0.016
p3 1.161 ± 0.089
p4 482.6 ± 14.3
mean 0.1356 ± 0.0005
sigma 0.01697 ± 0.00049
invariant mass sorted by North 365 tower (row: 17 , col: 14)
_by_Ntower_365
Entries 10157
Mean 0.196
RMS 0.09115
χ² / ndf 58.42 / 42
p0 74.3 ± 8.1
p1 0.01006 ± 0.00155
p2 0.1746 ± 0.0195
p3 1.196 ± 0.111
p4 443.3 ± 14.1
mean 0.1349 ± 0.0005
sigma 0.01633 ± 0.00052
invariant mass sorted by North 366 tower (row: 17 , col: 15)
_by_Ntower_366
Entries 9707
Mean 0.1971
RMS 0.09143
χ² / ndf 42.27 / 42
p0 69.85 ± 8.26
p1 0.008267 ± 0.002903
p2 0.1886 ± 0.0235
p3 1.203 ± 0.129
p4 419.3 ± 13.4
mean 0.1355 ± 0.0005
sigma 0.01661 ± 0.00047
invariant mass sorted by North 367 tower (row: 17 , col: 16)
_by_Ntower_367
Entries 5954
Mean 0.1953
RMS 0.09063
χ² / ndf 33.73 / 41
p0 62.43 ± 35.96
p1 -0.007366 ± 0.018457
p2 0.1559 ± 0.0355
p3 1.523 ± 0.485
p4 263.1 ± 10.5
mean 0.1355 ± 0.0006
sigma 0.0164 ± 0.0006
invariant mass sorted by North 368 tower (row: 17 , col: 17)
_by_Ntower_368
Entries 3830
Mean 0.196
RMS 0.09105
χ² / ndf 36.86 / 42
p0 26.94 ± 6.41
p1 0.007919 ± 0.004322
p2 0.1651 ± 0.0304
p3 1.233 ± 0.214
p4 140 ± 7.7
mean 0.1361 ± 0.0009
sigma 0.01709 ± 0.00092
invariant mass sorted by North 369 tower (row: 17 , col: 18)
_by_Ntower_369
Entries 4620
Mean 0.1953
RMS 0.09226
χ² / ndf 42.6 / 42
p0 25.22 ± 2.38
p1 0.009861 ± 0.002212
p2 0.25 ± 0.02
p3 0.9372 ± 0.0610
p4 178.7 ± 8.4
mean 0.1362 ± 0.0007
sigma 0.01738 ± 0.00075
invariant mass sorted by North 370 tower (row: 17 , col: 19)
_by_Ntower_370
Entries 3431
Mean 0.1986
RMS 0.0932
χ² / ndf 46.17 / 42
p0 21.13 ± 2.87
p1 0.005891 ± 0.005744
p2 0.25 ± 0.23
p3 1.032 ± 0.087
p4 113.6 ± 6.5
mean 0.1352 ± 0.0010
sigma 0.01859 ± 0.00097
invariant mass sorted by North 371 tower (row: 17 , col: 20)
_by_Ntower_371
Entries 2507
Mean 0.2028
RMS 0.09505
χ² / ndf 35.09 / 41
p0 617.1 ± 645.6
p1 -0.1564 ± 0.0555
p2 0.1025 ± 0.0152
p3 4.41 ± 1.02
p4 67.28 ± 5.08
mean 0.1345 ± 0.0013
sigma 0.01973 ± 0.00144
invariant mass sorted by North 372 tower (row: 17 , col: 21)
_by_Ntower_372
Entries 2338
Mean 0.2056
RMS 0.0979
χ² / ndf 49.15 / 42
p0 18.53 ± 4.99
p1 -0.001659 ± 0.013281
p2 0.25 ± 0.15
p3 1.227 ± 0.215
p4 53.55 ± 4.23
mean 0.1323 ± 0.0017
sigma 0.02291 ± 0.00199
invariant mass sorted by North 373 tower (row: 17 , col: 22)
mass_by_Ntower_373
Entries 1
Mean 0.0675
RMS 0
invariant mass [GeV]

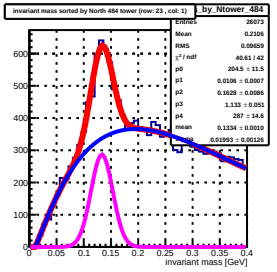

invariant mass sorted by North 374 tower (row: 18 , col: 1)
_by_Ntower_374
Entries 78042
Mean 0.2026
RMS 0.0956
χ² / ndf 86.24 / 42
p0 462.7 ± 18.1
p1 0.01645 ± 0.00065
p2 0.1577 ± 0.0055
p3 0.9696 ± 0.0335
p4 830.9 ± 25.5
mean 0.1342 ± 0.0007
sigma 0.02384 ± 0.00189
invariant mass sorted by North 375 tower (row: 18 , col: 2)
_by_Ntower_375
Entries 56270
Mean 0.1966
RMS 0.09401
χ² / ndf 53.34 / 42
p0 430.7 ± 23.1
p1 0.009725 ± 0.000559
p2 0.132 ± 0.004
p3 1.147 ± 0.037
p4 936.5 ± 26.0
mean 0.1347 ± 0.0005
sigma 0.01885 ± 0.00061
invariant mass sorted by North 376 tower (row: 18 , col: 3)
_by_Ntower_376
Entries 44519
Mean 0.1891
RMS 0.09185
χ² / ndf 100.6 / 42
p0 326 ± 16.1
p1 0.01152 ± 0.00031
p2 0.1226 ± 0.0036
p3 1.135 ± 0.031
p4 951.8 ± 23.4
mean 0.1349 ± 0.0005
sigma 0.02116 ± 0.00068
invariant mass sorted by North 377 tower (row: 18 , col: 4)
_by_Ntower_377
Entries 34894
Mean 0.1894
RMS 0.08844
χ² / ndf 89.71 / 42
p0 486.8 ± 55.4
p1 0.009706 ± 0.001034
p2 0.09785 ± 0.00319
p3 1.514 ± 0.057
p4 931.6 ± 23.4
mean 0.1368 ± 0.0005
sigma 0.01955 ± 0.00062
invariant mass sorted by North 378 tower (row: 18 , col: 5)
_by_Ntower_378
Entries 34013
Mean 0.1894
RMS 0.08619
χ² / ndf 74.93 / 42
p0 975 ± 146.5
p1 0.005765 ± 0.001543
p2 0.08415 ± 0.00274
p3 1.912 ± 0.079
p4 1114 ± 24.5
mean 0.1357 ± 0.0004
sigma 0.0187 ± 0.0005
invariant mass sorted by North 379 tower (row: 18 , col: 6)
_by_Ntower_379
Entries 26567
Mean 0.1942
RMS 0.08787
χ² / ndf 69.6 / 42
p0 906.6 ± 179.7
p1 0.002373 ± 0.002258
p2 0.08609 ± 0.00353
p3 2.011 ± 0.108
p4 837 ± 21.8
mean 0.1354 ± 0.0005
sigma 0.01786 ± 0.00053
invariant mass sorted by North 380 tower (row: 18 , col: 7)
_by_Ntower_380
Entries 22399
Mean 0.1949
RMS 0.08722
χ² / ndf 46.37 / 42
p0 722.2 ± 148.5
p1 0.0052 ± 0.0023
p2 0.08666 ± 0.00377
p3 1.978 ± 0.112
p4 721.8 ± 19.8
mean 0.1364 ± 0.0005
sigma 0.01805 ± 0.00054
invariant mass sorted by North 381 tower (row: 18 , col: 8)
_by_Ntower_381
Entries 23226
Mean 0.1965
RMS 0.08862
χ² / ndf 63.89 / 42
p0 565.4 ± 112.7
p1 0.004173 ± 0.002521
p2 0.09855 ± 0.00479
p3 1.877 ± 0.117
p4 880.2 ± 20.7
mean 0.1346 ± 0.0004
sigma 0.01709 ± 0.00042
invariant mass sorted by North 382 tower (row: 18 , col: 9)
_by_Ntower_382
Entries 18569
Mean 0.1974
RMS 0.08894
χ² / ndf 45.34 / 42
p0 351.3 ± 59.1
p1 0.007227 ± 0.001829
p2 0.1056 ± 0.0055
p3 1.734 ± 0.101
p4 715.3 ± 19.1
mean 0.1345 ± 0.0004
sigma 0.01647 ± 0.00045
invariant mass sorted by North 383 tower (row: 18 , col: 10)
_by_Ntower_383
Entries 16244
Mean 0.195
RMS 0.08866
χ² / ndf 69.38 / 42
p0 297.1 ± 59.2
p1 0.007502 ± 0.002885
p2 0.1041 ± 0.0058
p3 1.736 ± 0.120
p4 682.7 ± 19.1
mean 0.1343 ± 0.0004
sigma 0.0159 ± 0.0005
invariant mass sorted by North 384 tower (row: 18 , col: 11)
_by_Ntower_384
Entries 15536
Mean 0.1953
RMS 0.08999
χ² / ndf 45.61 / 42
p0 157 ± 29.1
p1 0.008999 ± 0.001989
p2 0.1368 ± 0.0091
p3 1.392 ± 0.093
p4 709.3 ± 18.5
mean 0.135 ± 0.000
sigma 0.01586 ± 0.00041
invariant mass sorted by North 385 tower (row: 18 , col: 12)
_by_Ntower_385
Entries 15037
Mean 0.1964
RMS 0.0901
χ² / ndf 49.96 / 42
p0 179.2 ± 33.5
p1 0.00487 ± 0.00316
p2 0.1328 ± 0.0107
p3 1.542 ± 0.132
p4 695.8 ± 18.1
mean 0.1349 ± 0.0004
sigma 0.01555 ± 0.00038
invariant mass sorted by North 386 tower (row: 18 , col: 13)
_by_Ntower_386
Entries 10719
Mean 0.1974
RMS 0.09085
χ² / ndf 32.92 / 42
p0 125.3 ± 29.5
p1 0.002779 ± 0.004259
p2 0.1376 ± 0.0145
p3 1.522 ± 0.171
p4 454 ± 14.6
mean 0.1353 ± 0.0005
sigma 0.01629 ± 0.00051
invariant mass sorted by North 387 tower (row: 18 , col: 14)
_by_Ntower_387
Entries 10136
Mean 0.1979
RMS 0.09082
χ² / ndf 44.75 / 42
p0 80.77 ± 11.29
p1 0.009286 ± 0.001824
p2 0.1602 ± 0.0171
p3 1.279 ± 0.122
p4 411.8 ± 13.9
mean 0.1359 ± 0.0005
sigma 0.01586 ± 0.00059
invariant mass sorted by North 388 tower (row: 18 , col: 15)
_by_Ntower_388
Entries 9695
Mean 0.1958
RMS 0.09173
χ² / ndf 40.45 / 42
p0 60.52 ± 3.62
p1 0.009834 ± 0.001877
p2 0.2421 ± 0.0440
p3 0.986 ± 0.116
p4 439.5 ± 13.9
mean 0.1355 ± 0.0005
sigma 0.01566 ± 0.00048
invariant mass sorted by North 389 tower (row: 18 , col: 16)
_by_Ntower_389
Entries 5742
Mean 0.1964
RMS 0.09185
χ² / ndf 69.35 / 41
p0 45.7 ± 15.2
p1 0.001854 ± 0.010875
p2 0.1688 ± 0.0328
p3 1.299 ± 0.293
p4 235.4 ± 10.6
mean 0.1353 ± 0.0006
sigma 0.01609 ± 0.00070
invariant mass sorted by North 390 tower (row: 18 , col: 17)
_by_Ntower_390
Entries 3565
Mean 0.1996
RMS 0.09589
χ² / ndf 53.52 / 42
p0 22.39 ± 2.48
p1 0.007108 ± 0.003874
p2 0.25 ± 0.04
p3 0.9213 ± 0.0735
p4 127 ± 7.3
mean 0.1339 ± 0.0009
sigma 0.01682 ± 0.00086
invariant mass sorted by North 391 tower (row: 18 , col: 18)
_by_Ntower_391
Entries 4182
Mean 0.1981
RMS 0.09227
χ² / ndf 37.54 / 42
p0 27.46 ± 4.64
p1 0.00647 ± 0.00582
p2 0.205 ± 0.044
p3 1.15 ± 0.21
p4 150 ± 7.8
mean 0.1362 ± 0.0009
sigma 0.01784 ± 0.00089
invariant mass sorted by North 392 tower (row: 18 , col: 19)
_by_Ntower_392
Entries 3300
Mean 0.199
RMS 0.09431
χ² / ndf 41.13 / 42
p0 19.18 ± 2.75
p1 0.004878 ± 0.006464
p2 0.25 ± 0.17
p3 0.9849 ± 0.0997
p4 105.7 ± 6.6
mean 0.135 ± 0.001
sigma 0.01757 ± 0.00107
invariant mass sorted by North 393 tower (row: 18 , col: 20)
_by_Ntower_393
Entries 2363
Mean 0.2021
RMS 0.09505
χ² / ndf 44.4 / 42
p0 294.3 ± 1265.7
p1 -0.1226 ± 0.1289
p2 0.1132 ± 0.0742
p3 3.877 ± 3.626
p4 66.6 ± 4.5
mean 0.1361 ± 0.0014
sigma 0.02148 ± 0.00127
invariant mass sorted by North 394 tower (row: 18 , col: 21)
_by_Ntower_394
Entries 2265
Mean 0.2092
RMS 0.09622
χ² / ndf 42.86 / 42
p0 20.49 ± 8.11
p1 -0.009808 ± 0.024420
p2 0.2441 ± 0.2343
p3 1.331 ± 0.590
p4 47.24 ± 4.37
mean 0.1403 ± 0.0018
sigma 0.02116 ± 0.00217
invariant mass sorted by North 395 tower (row: 18 , col: 22)
mass_by_Ntower_395
Entries 12
Mean 0.2093
RMS 0.1244
invariant mass [GeV]

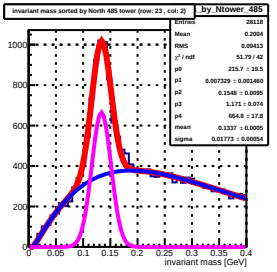

invariant mass sorted by North 396 tower (row: 19 , col: 1)
_by_Ntower_396
Entries 67370
Mean 0.2032
RMS 0.09536
χ² / ndf 58.42 / 42
p0 5158 ± 21.2
p1 0.01095 ± 0.00039
p2 0.1409 ± 0.0043
p3 1.158 ± 0.030
p4 717.9 ± 23.6
mean 0.1343 ± 0.0008
sigma 0.02555 ± 0.00107
invariant mass sorted by North 397 tower (row: 19 , col: 2)
_by_Ntower_397
Entries 49975
Mean 0.1959
RMS 0.09379
χ² / ndf 87 / 42
p0 374.2 ± 22.2
p1 0.009826 ± 0.000589
p2 0.1321 ± 0.0046
p3 1.153 ± 0.041
p4 862.6 ± 23.1
mean 0.1348 ± 0.0005
sigma 0.02 ± 0.00
invariant mass sorted by North 398 tower (row: 19 , col: 3)
_by_Ntower_398
Entries 42852
Mean 0.1902
RMS 0.09106
χ² / ndf 70.91 / 42
p0 373.1 ± 25.1
p1 0.01041 ± 0.00057
p2 0.1146 ± 0.0035
p3 1.243 ± 0.040
p4 926.9 ± 23.9
mean 0.1359 ± 0.0005
sigma 0.01985 ± 0.00064
invariant mass sorted by North 399 tower (row: 19 , col: 4)
_by_Ntower_399
Entries 34708
Mean 0.189
RMS 0.0887
χ² / ndf 55.98 / 42
p0 484.0 ± 52.2
p1 0.008776 ± 0.001054
p2 0.0981 ± 0.0032
p3 1.511 ± 0.059
p4 894.4 ± 23.0
mean 0.1354 ± 0.0005
sigma 0.01962 ± 0.00063
invariant mass sorted by North 400 tower (row: 19 , col: 5)
_by_Ntower_400
Entries 31854
Mean 0.1882
RMS 0.08601
χ² / ndf 72.43 / 42
p0 781.6 ± 121.7
p1 0.005714 ± 0.001591
p2 0.08629 ± 0.00305
p3 1.838 ± 0.083
p4 1095 ± 24.6
mean 0.1362 ± 0.0004
sigma 0.01814 ± 0.00047
invariant mass sorted by North 401 tower (row: 19 , col: 6)
_by_Ntower_401
Entries 26193
Mean 0.1933
RMS 0.08792
χ² / ndf 68.46 / 42
p0 699.4 ± 121.1
p1 0.005096 ± 0.001848
p2 0.08861 ± 0.00350
p3 1.873 ± 0.094
p4 843.2 ± 22.2
mean 0.1354 ± 0.0004
sigma 0.01689 ± 0.00049
invariant mass sorted by North 402 tower (row: 19 , col: 7)
_by_Ntower_402
Entries 20599
Mean 0.1921
RMS 0.08804
χ² / ndf 52.47 / 42
p0 589.8 ± 129.9
p1 0.002354 ± 0.002719
p2 0.08943 ± 0.00423
p3 1.93 ± 0.12
p4 711.9 ± 20.2
mean 0.1344 ± 0.0005
sigma 0.01688 ± 0.00053
invariant mass sorted by North 403 tower (row: 19 , col: 8)
_by_Ntower_403
Entries 22423
Mean 0.1955
RMS 0.08858
χ² / ndf 64.44 / 42
p0 477.4 ± 88.1
p1 0.005053 ± 0.002319
p2 0.101 ± 0.005
p3 1.81 ± 0.11
p4 875.3 ± 21.1
mean 0.1346 ± 0.0004
sigma 0.01693 ± 0.00043
invariant mass sorted by North 404 tower (row: 19 , col: 9)
_by_Ntower_404
Entries 29235
Mean 0.1961
RMS 0.08918
χ² / ndf 81.92 / 42
p0 402 ± 49.3
p1 0.008029 ± 0.001752
p2 0.1212 ± 0.0056
p3 1.599 ± 0.081
p4 1309 ± 24.9
mean 0.1348 ± 0.0003
sigma 0.01643 ± 0.00032
invariant mass sorted by North 405 tower (row: 19 , col: 10)
_by_Ntower_405
Entries 21100
Mean 0.1951
RMS 0.08843
χ² / ndf 45.71 / 42
p0 276.7 ± 37.6
p1 0.009685 ± 0.001712
p2 0.1183 ± 0.0063
p3 1.58 ± 0.09
p4 959.6 ± 21.6
mean 0.1354 ± 0.0003
sigma 0.0159 ± 0.0004
invariant mass sorted by North 406 tower (row: 19 , col: 11)
_by_Ntower_406
Entries 13718
Mean 0.1967
RMS 0.08958
χ² / ndf 90.86 / 42
p0 265.3 ± 45.9
p1 0.005147 ± 0.003585
p2 0.1178 ± 0.0086
p3 1.657 ± 0.142
p4 559 ± 16.1
mean 0.1354 ± 0.0005
sigma 0.01685 ± 0.00048
invariant mass sorted by North 407 tower (row: 19 , col: 12)
_by_Ntower_407
Entries 10551
Mean 0.1983
RMS 0.09154
χ² / ndf 32.49 / 42
p0 114.3 ± 21.1
p1 0.006125 ± 0.003208
p2 0.1408 ± 0.0127
p3 1.423 ± 0.137
p4 416.8 ± 13.6
mean 0.134 ± 0.001
sigma 0.0166 ± 0.0008
invariant mass sorted by North 408 tower (row: 19 , col: 13)
_by_Ntower_408
Entries 8598
Mean 0.1995
RMS 0.09185
χ² / ndf 38.93 / 42
p0 83.77 ± 17.13
p1 0.004973 ± 0.003913
p2 0.1584 ± 0.0200
p3 1.337 ± 0.172
p4 348.9 ± 12.6
mean 0.1351 ± 0.0006
sigma 0.01631 ± 0.00057
invariant mass sorted by North 409 tower (row: 19 , col: 14)
_by_Ntower_409
Entries 7098
Mean 0.2024
RMS 0.09213
χ² / ndf 40 / 42
p0 100.6 ± 35.5
p1 -0.0007573 ± 0.0070077
p2 0.1336 ± 0.0177
p3 1.646 ± 0.253
p4 266.8 ± 11.5
mean 0.1347 ± 0.0006
sigma 0.01565 ± 0.00066
invariant mass sorted by North 410 tower (row: 19 , col: 15)
_by_Ntower_410
Entries 6869
Mean 0.1993
RMS 0.09153
χ² / ndf 63.4 / 42
p0 71.34 ± 17.37
p1 0.005749 ± 0.003786
p2 0.1457 ± 0.0195
p3 1.477 ± 0.189
p4 259.2 ± 11.4
mean 0.1353 ± 0.0006
sigma 0.01648 ± 0.00075
invariant mass sorted by North 411 tower (row: 19 , col: 16)
_by_Ntower_411
Entries 5070
Mean 0.1988
RMS 0.09371
χ² / ndf 36.65 / 42
p0 34.18 ± 3.09
p1 0.007044 ± 0.003431
p2 0.25 ± 0.22
p3 0.9591 ± 0.0627
p4 193 ± 9.3
mean 0.1357 ± 0.0007
sigma 0.01701 ± 0.00080
invariant mass sorted by North 412 tower (row: 19 , col: 17)
_by_Ntower_412
Entries 4078
Mean 0.1953
RMS 0.09252
χ² / ndf 61.51 / 42
p0 25.22 ± 3.07
p1 0.007838 ± 0.004944
p2 0.2353 ± 0.1707
p3 0.992 ± 0.205
p4 163.9 ± 8.1
mean 0.1349 ± 0.0008
sigma 0.01778 ± 0.00086
invariant mass sorted by North 413 tower (row: 19 , col: 18)
_by_Ntower_413
Entries 3513
Mean 0.2003
RMS 0.09399
χ² / ndf 45.24 / 42
p0 24.65 ± 4.32
p1 0.007522 ± 0.005915
p2 0.2168 ± 0.0527
p3 1.198 ± 0.243
p4 113.8 ± 6.7
mean 0.1348 ± 0.0010
sigma 0.01901 ± 0.00116
invariant mass sorted by North 414 tower (row: 19 , col: 19)
_by_Ntower_414
Entries 3161
Mean 0.1995
RMS 0.09442
χ² / ndf 46.36 / 41
p0 26.65 ± 8.64
p1 -0.02743 ± 0.03043
p2 0.25 ± 0.24
p3 1.313 ± 0.284
p4 95.91 ± 5.80
mean 0.1379 ± 0.0011
sigma 0.02003 ± 0.00115
invariant mass sorted by North 415 tower (row: 19 , col: 20)
_by_Ntower_415
Entries 2533
Mean 0.2031
RMS 0.09772
χ² / ndf 46.71 / 42
p0 14.84 ± 2.88
p1 0.003531 ± 0.008019
p2 0.25 ± 0.05
p3 1.025 ± 0.141
p4 53.24 ± 4.32
mean 0.1364 ± 0.0017
sigma 0.02158 ± 0.00180
invariant mass sorted by North 416 tower (row: 19 , col: 21)
_by_Ntower_416
Entries 1642
Mean 0.1989
RMS 0.09809
χ² / ndf 39.92 / 41
p0 254 ± 132.2
p1 -0.3091 ± 0.2293
p2 0.1342 ± 0.0337
p3 4.897 ± 2.325
p4 34.48 ± 3.02
mean 0.1318 ± 0.0024
sigma 0.02648 ± 0.00215
invariant mass sorted by North 417 tower (row: 19 , col: 22)
mass_by_Ntower_417
Entries 2
Mean 0.2328
RMS 0
invariant mass [GeV]

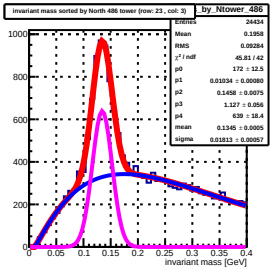

invariant mass sorted by North 418 tower (row: 20 , col: 1)
_by_Ntower_418
Entries 53888
Mean 0.2046
RMS 0.09567
χ² / ndf 67.45 / 42
p0 465.9 ± 16.9
p1 0.01107 ± 0.00039
p2 0.1504 ± 0.0054
p3 1.137 ± 0.034
p4 619.9 ± 20.9
mean 0.1331 ± 0.0008
sigma 0.02405 ± 0.00112
invariant mass sorted by North 419 tower (row: 20 , col: 2)
_by_Ntower_419
Entries 43361
Mean 0.1984
RMS 0.09417
χ² / ndf 60.02 / 42
p0 330 ± 21.0
p1 0.009683 ± 0.000652
p2 0.1371 ± 0.0053
p3 1.148 ± 0.041
p4 760.7 ± 22.4
mean 0.1347 ± 0.0005
sigma 0.01957 ± 0.00098
invariant mass sorted by North 420 tower (row: 20 , col: 3)
_by_Ntower_420
Entries 37709
Mean 0.1912
RMS 0.09158
χ² / ndf 69.69 / 42
p0 295.2 ± 18.9
p1 0.01086 ± 0.00052
p2 0.1243 ± 0.0044
p3 1.189 ± 0.041
p4 916.5 ± 23.4
mean 0.1351 ± 0.0005
sigma 0.01957 ± 0.00059
invariant mass sorted by North 421 tower (row: 20 , col: 4)
_by_Ntower_421
Entries 31695
Mean 0.1886
RMS 0.08864
χ² / ndf 89.52 / 42
p0 380 ± 38.7
p1 0.009365 ± 0.000891
p2 0.1023 ± 0.0036
p3 1.443 ± 0.057
p4 902.5 ± 23.1
mean 0.1362 ± 0.0005
sigma 0.01855 ± 0.00054
invariant mass sorted by North 422 tower (row: 20 , col: 5)
_by_Ntower_422
Entries 25971
Mean 0.1921
RMS 0.08773
χ² / ndf 55.22 / 42
p0 728.9 ± 137.8
p1 0.00354 ± 0.00220
p2 0.08624 ± 0.00347
p3 1.904 ± 0.102
p4 728.9 ± 20.8
mean 0.1366 ± 0.0005
sigma 0.01847 ± 0.00062
invariant mass sorted by North 423 tower (row: 20 , col: 6)
_by_Ntower_423
Entries 24832
Mean 0.1926
RMS 0.08748
χ² / ndf 52.29 / 42
p0 696.5 ± 150.8
p1 0.002623 ± 0.002487
p2 0.08847 ± 0.00406
p3 1.927 ± 0.119
p4 850.1 ± 21.5
mean 0.1361 ± 0.0004
sigma 0.01689 ± 0.00047
invariant mass sorted by North 424 tower (row: 20 , col: 7)
_by_Ntower_424
Entries 20379
Mean 0.195
RMS 0.08884
χ² / ndf 48.2 / 42
p0 529.9 ± 118.7
p1 0.001846 ± 0.003098
p2 0.09459 ± 0.00478
p3 1.894 ± 0.129
p4 720.2 ± 19.8
mean 0.1347 ± 0.0004
sigma 0.01681 ± 0.00050
invariant mass sorted by North 425 tower (row: 20 , col: 8)
_by_Ntower_425
Entries 23377
Mean 0.1942
RMS 0.08922
χ² / ndf 62.56 / 42
p0 282.4 ± 32.4
p1 0.009245 ± 0.001237
p2 0.119 ± 0.006
p3 1.478 ± 0.073
p4 953.5 ± 22.0
mean 0.1347 ± 0.0004
sigma 0.01658 ± 0.00040
invariant mass sorted by North 426 tower (row: 20 , col: 9)
_by_Ntower_426
Entries 21531
Mean 0.195
RMS 0.08802
χ² / ndf 70.06 / 42
p0 278.4 ± 32.7
p1 0.009844 ± 0.001060
p2 0.1171 ± 0.0057
p3 1.54 ± 0.07
p4 941.5 ± 22.0
mean 0.1341 ± 0.0003
sigma 0.01547 ± 0.00036
invariant mass sorted by North 427 tower (row: 20 , col: 10)
_by_Ntower_427
Entries 18164
Mean 0.1951
RMS 0.08949
χ² / ndf 58.03 / 42
p0 237.9 ± 39.8
p1 0.006994 ± 0.002593
p2 0.1204 ± 0.0074
p3 1.585 ± 0.109
p4 797.3 ± 19.7
mean 0.1341 ± 0.0004
sigma 0.01605 ± 0.00040
invariant mass sorted by North 428 tower (row: 20 , col: 11)
_by_Ntower_428
Entries 11820
Mean 0.1976
RMS 0.09089
χ² / ndf 46.59 / 42
p0 144.4 ± 29.7
p1 0.004014 ± 0.003630
p2 0.1339 ± 0.0118
p3 1.501 ± 0.146
p4 495.6 ± 15.4
mean 0.1346 ± 0.0005
sigma 0.0162 ± 0.0005
invariant mass sorted by North 429 tower (row: 20 , col: 12)
_by_Ntower_429
Entries 9179
Mean 0.1983
RMS 0.09072
χ² / ndf 41.04 / 42
p0 112.4 ± 24.2
p1 0.005938 ± 0.003416
p2 0.1299 ± 0.0120
p3 1.512 ± 0.149
p4 381.2 ± 13.9
mean 0.1354 ± 0.0005
sigma 0.01594 ± 0.00059
invariant mass sorted by North 430 tower (row: 20 , col: 13)
_by_Ntower_430
Entries 7239
Mean 0.2005
RMS 0.09069
χ² / ndf 41.74 / 42
p0 93.41 ± 23.13
p1 0.006677 ± 0.003313
p2 0.1288 ± 0.0135
p3 1.564 ± 0.171
p4 290.1 ± 12.3
mean 0.1347 ± 0.0006
sigma 0.01494 ± 0.00063
invariant mass sorted by North 431 tower (row: 20 , col: 14)
_by_Ntower_431
Entries 6870
Mean 0.2008
RMS 0.09146
χ² / ndf 65.56 / 42
p0 84.35 ± 23.29
p1 0.00487 ± 0.00412
p2 0.1352 ± 0.0170
p3 1.58 ± 0.20
p4 252.4 ± 11.3
mean 0.1359 ± 0.0007
sigma 0.01641 ± 0.00077
invariant mass sorted by North 432 tower (row: 20 , col: 15)
_by_Ntower_432
Entries 6464
Mean 0.1986
RMS 0.09122
χ² / ndf 48.65 / 42
p0 75.55 ± 24.73
p1 0.001971 ± 0.006581
p2 0.1316 ± 0.0169
p3 1.576 ± 0.231
p4 251.8 ± 11.7
mean 0.135 ± 0.001
sigma 0.01508 ± 0.00072
invariant mass sorted by North 433 tower (row: 20 , col: 16)
_by_Ntower_433
Entries 4543
Mean 0.1964
RMS 0.09198
χ² / ndf 43.33 / 42
p0 35.21 ± 10.98
p1 −0.0002333 ± 0.0095740
p2 0.1756 ± 0.0404
p3 1.269 ± 0.301
p4 168.5 ± 8.5
mean 0.1359 ± 0.0008
sigma 0.01843 ± 0.00096
invariant mass sorted by North 434 tower (row: 20 , col: 17)
_by_Ntower_434
Entries 4010
Mean 0.1988
RMS 0.09293
χ² / ndf 40.17 / 41
p0 2199 ± 1823.6
p1 −0.1525 ± 0.0371
p2 0.08906 ± 0.00930
p3 4.783 ± 0.748
p4 136.9 ± 7.1
mean 0.1355 ± 0.0010
sigma 0.02018 ± 0.00101
invariant mass sorted by North 435 tower (row: 20 , col: 18)
_by_Ntower_435
Entries 3526
Mean 0.1975
RMS 0.09405
χ² / ndf 39.6 / 41
p0 29.15 ± 8.78
p1 −0.01991 ± 0.02569
p2 0.25 ± 0.18
p3 1.244 ± 0.255
p4 112.6 ± 6.0
mean 0.1346 ± 0.0011
sigma 0.02145 ± 0.00114
invariant mass sorted by North 436 tower (row: 20 , col: 19)
_by_Ntower_436
Entries 2858
Mean 0.1987
RMS 0.09616
χ² / ndf 53.09 / 41
p0 194.8 ± 261.5
p1 −0.2713 ± 0.1678
p2 0.1649 ± 0.0493
p3 3.975 ± 2.621
p4 78.12 ± 4.82
mean 0.1359 ± 0.0014
sigma 0.02249 ± 0.00129
invariant mass sorted by North 437 tower (row: 20 , col: 20)
_by_Ntower_437
Entries 2424
Mean 0.2089
RMS 0.1019
χ² / ndf 70.58 / 42
p0 19.21 ± 4.63
p1 −0.005597 ± 0.013061
p2 0.25 ± 0.03
p3 1.162 ± 0.185
p4 52.27 ± 4.91
mean 0.1333 ± 0.0015
sigma 0.01688 ± 0.00159
invariant mass sorted by North 438 tower (row: 20 , col: 21)
_by_Ntower_438
Entries 938
Mean 0.1974
RMS 0.1003
χ² / ndf 35.68 / 40
p0 1602 ± 2691.4
p1 −0.1562 ± 0.0770
p2 0.07687 ± 0.01270
p3 5.629 ± 1.263
p4 27.47 ± 2.87
mean 0.1123 ± 0.0021
sigma 0.01835 ± 0.00153
invariant mass sorted by North 439 tower (row: 20 , col: 22)
mass_by_Ntower_439
Entries 0
Mean 0
RMS 0
invariant mass [GeV]

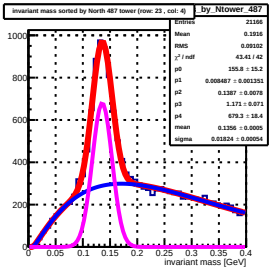

invariant mass sorted by North 440 tower (row: 21 , col: 1)
_by_Ntower_440
Entries 42660
Mean 0.2072
RMS 0.09574
χ² / ndf 61.06 / 42
p0 350.9 ± 18.8
p1 0.01052 ± 0.00058
p2 0.1478 ± 0.0058
p3 1.182 ± 0.042
p4 502.6 ± 19.9
mean 0.1132 ± 0.0007
sigma 0.0204 ± 0.0010
invariant mass sorted by North 441 tower (row: 21 , col: 2)
_by_Ntower_441
Entries 39443
Mean 0.1999
RMS 0.09356
χ² / ndf 48.8 / 42
p0 331.1 ± 24.9
p1 0.00844 ± 0.00096
p2 0.1388 ± 0.0060
p3 1.224 ± 0.055
p4 824.4 ± 21.9
mean 0.1348 ± 0.0005
sigma 0.01828 ± 0.00055
invariant mass sorted by North 442 tower (row: 21 , col: 3)
_by_Ntower_442
Entries 32993
Mean 0.1936
RMS 0.09178
χ² / ndf 76.96 / 42
p0 278.4 ± 18.2
p1 0.01126 ± 0.00044
p2 0.1221 ± 0.0043
p3 1.231 ± 0.042
p4 812.7 ± 23.2
mean 0.1346 ± 0.0005
sigma 0.01733 ± 0.00056
invariant mass sorted by North 443 tower (row: 21 , col: 4)
_by_Ntower_443
Entries 28312
Mean 0.1902
RMS 0.08883
χ² / ndf 49.48 / 42
p0 345.3 ± 19.3
p1 0.00763 ± 0.001105
p2 0.105 ± 0.004
p3 1.462 ± 0.065
p4 834 ± 21.7
mean 0.1361 ± 0.0005
sigma 0.01854 ± 0.00054
invariant mass sorted by North 444 tower (row: 21 , col: 5)
_by_Ntower_444
Entries 23435
Mean 0.191
RMS 0.08888
χ² / ndf 72.48 / 42
p0 405.9 ± 68.3
p1 0.004665 ± 0.002064
p2 0.09907 ± 0.00458
p3 1.663 ± 0.096
p4 752.3 ± 20.1
mean 0.1341 ± 0.0005
sigma 0.01818 ± 0.00055
invariant mass sorted by North 445 tower (row: 21 , col: 6)
_by_Ntower_445
Entries 22657
Mean 0.193
RMS 0.08777
χ² / ndf 51.21 / 42
p0 657.2 ± 149.8
p1 0.001339 ± 0.002758
p2 0.08891 ± 0.00429
p3 1.961 ± 0.127
p4 716.4 ± 19.4
mean 0.1355 ± 0.0005
sigma 0.01847 ± 0.00055
invariant mass sorted by North 446 tower (row: 21 , col: 7)
_by_Ntower_446
Entries 22486
Mean 0.1926
RMS 0.08831
χ² / ndf 57.65 / 42
p0 315.3 ± 43.4
p1 0.008211 ± 0.001586
p2 0.1094 ± 0.0052
p3 1.58 ± 0.08
p4 888.6 ± 20.4
mean 0.1349 ± 0.0004
sigma 0.01708 ± 0.00043
invariant mass sorted by North 447 tower (row: 21 , col: 8)
_by_Ntower_447
Entries 23179
Mean 0.1944
RMS 0.08934
χ² / ndf 66.2 / 42
p0 289.8 ± 39.5
p1 0.007232 ± 0.001760
p2 0.1208 ± 0.0066
p3 1.53 ± 0.09
p4 942.6 ± 20.9
mean 0.1347 ± 0.0004
sigma 0.01719 ± 0.00040
invariant mass sorted by North 448 tower (row: 21 , col: 9)
_by_Ntower_448
Entries 27808
Mean 0.1961
RMS 0.09009
χ² / ndf 51.41 / 42
p0 323.9 ± 41.0
p1 0.006167 ± 0.002191
p2 0.1358 ± 0.0078
p3 1.514 ± 0.091
p4 1285 ± 23.9
mean 0.134 ± 0.000
sigma 0.01607 ± 0.00028
invariant mass sorted by North 449 tower (row: 21 , col: 10)
_by_Ntower_449
Entries 21533
Mean 0.1934
RMS 0.08956
χ² / ndf 26.98 / 42
p0 191.8 ± 22.5
p1 0.007828 ± 0.002014
p2 0.1443 ± 0.0093
p3 1.357 ± 0.089
p4 1017 ± 21.3
mean 0.1346 ± 0.0003
sigma 0.0158 ± 0.0003
invariant mass sorted by North 450 tower (row: 21 , col: 11)
_by_Ntower_450
Entries 11997
Mean 0.1974
RMS 0.09053
χ² / ndf 45.85 / 42
p0 157.7 ± 33.1
p1 0.004649 ± 0.003427
p2 0.125 ± 0.010
p3 1.564 ± 0.142
p4 482.7 ± 15.3
mean 0.135 ± 0.000
sigma 0.01637 ± 0.00053
invariant mass sorted by North 451 tower (row: 21 , col: 12)
_by_Ntower_451
Entries 8162
Mean 0.1977
RMS 0.09038
χ² / ndf 64.35 / 42
p0 145.4 ± 52.2
p1 −0.0009913 ± 0.0064469
p2 0.1169 ± 0.0126
p3 1.783 ± 0.235
p4 325.6 ± 12.8
mean 0.1351 ± 0.0006
sigma 0.01699 ± 0.00072
invariant mass sorted by North 452 tower (row: 21 , col: 13)
_by_Ntower_452
Entries 6914
Mean 0.2033
RMS 0.09258
χ² / ndf 33.89 / 42
p0 91.31 ± 30.05
p1 −0.001863 ± 0.009371
p2 0.1419 ± 0.0198
p3 1.552 ± 0.247
p4 245.7 ± 11.1
mean 0.1371 ± 0.0007
sigma 0.01597 ± 0.00071
invariant mass sorted by North 453 tower (row: 21 , col: 14)
_by_Ntower_453
Entries 6267
Mean 0.2056
RMS 0.09231
χ² / ndf 45.9 / 42
p0 118.3 ± 52.6
p1 −0.003919 ± 0.008433
p2 0.1291 ± 0.0196
p3 1.86 ± 0.32
p4 236.3 ± 11.0
mean 0.1353 ± 0.0007
sigma 0.01565 ± 0.00074
invariant mass sorted by North 454 tower (row: 21 , col: 15)
_by_Ntower_454
Entries 6501
Mean 0.1982
RMS 0.09209
χ² / ndf 32.19 / 42
p0 51.89 ± 11.98
p1 0.005551 ± 0.004396
p2 0.163 ± 0.026
p3 1.29 ± 0.20
p4 226.5 ± 10.2
mean 0.1346 ± 0.0007
sigma 0.01721 ± 0.00081
invariant mass sorted by North 455 tower (row: 21 , col: 16)
_by_Ntower_455
Entries 4621
Mean 0.2006
RMS 0.09276
χ² / ndf 51.77 / 42
p0 37.58 ± 6.84
p1 0.006684 ± 0.004553
p2 0.1966 ± 0.0410
p3 1.234 ± 0.215
p4 178.1 ± 8.7
mean 0.1356 ± 0.0008
sigma 0.01737 ± 0.00085
invariant mass sorted by North 456 tower (row: 21 , col: 17)
_by_Ntower_456
Entries 3734
Mean 0.1972
RMS 0.09265
χ² / ndf 43.26 / 42
p0 21.7 ± 2.3
p1 0.009466 ± 0.003402
p2 0.2441 ± 0.0298
p3 0.9411 ± 0.2033
p4 135.6 ± 7.0
mean 0.1359 ± 0.0009
sigma 0.01792 ± 0.00096
invariant mass sorted by North 457 tower (row: 21 , col: 18)
_by_Ntower_457
Entries 3288
Mean 0.1991
RMS 0.09336
χ² / ndf 26.49 / 41
p0 297.3 ± 847.4
p1 −0.09134 ± 0.08354
p2 0.1054 ± 0.0443
p3 3.252 ± 2.162
p4 99.12 ± 6.10
mean 0.1355 ± 0.0012
sigma 0.01987 ± 0.00122
invariant mass sorted by North 458 tower (row: 21 , col: 19)
_by_Ntower_458
Entries 2719
Mean 0.1977
RMS 0.09608
χ² / ndf 41.33 / 42
p0 18.83 ± 4.94
p1 −0.00727 ± 0.01598
p2 0.25 ± 0.15
p3 1.129 ± 0.287
p4 75.51 ± 4.70
mean 0.1352 ± 0.0014
sigma 0.02212 ± 0.00136
invariant mass sorted by North 459 tower (row: 21 , col: 20)
_by_Ntower_459
Entries 1127
Mean 0.1976
RMS 0.1013
χ² / ndf 43 / 40
p0 9.395 ± 4.730
p1 −0.003657 ± 0.039334
p2 0.25 ± 0.20
p3 1.352 ± 0.414
p4 39.26 ± 3.79
mean 0.1148 ± 0.0015
sigma 0.01747 ± 0.00158
invariant mass sorted by North 460 tower (row: 21 , col: 21)
_by_Ntower_460
Entries 1322
Mean 0.1884
RMS 0.1046
χ² / ndf 47.47 / 42
p0 16.98 ± 10.63
p1 −0.08116 ± 0.07781
p2 0.25 ± 0.22
p3 1.763 ± 0.684
p4 38.7 ± 3.5
mean 0.1097 ± 0.0017
sigma 0.02024 ± 0.00173
invariant mass sorted by North 461 tower (row: 21 , col: 22)
mass_by_Ntower_461
Entries 16
Mean 0.1707
RMS 0.1153
invariant mass [GeV]

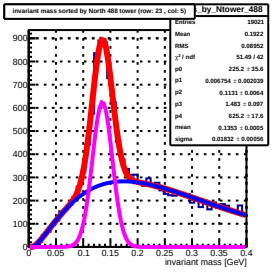

invariant mass sorted by North 462 tower (row: 22 , col: 1)
_by_Ntower_462
Entries 33385
Mean 0.2079
RMS 0.09532
χ² / ndf 33.13 / 42
p0 312.3 ± 22.9
p1 0.009462 ± 0.000969
p2 0.1373 ± 0.0058
p3 1.281 ± 0.053
p4 385.6 ± 17.0
mean 0.1333 ± 0.0009
sigma 0.01322 ± 0.00104
invariant mass sorted by North 463 tower (row: 22 , col: 2)
_by_Ntower_463
Entries 31880
Mean 0.201
RMS 0.09359
χ² / ndf 41.27 / 42
p0 274.7 ± 22.4
p1 0.009176 ± 0.000926
p2 0.1365 ± 0.0063
p3 1.249 ± 0.058
p4 650.1 ± 20.1
mean 0.1343 ± 0.0005
sigma 0.0177 ± 0.0006
invariant mass sorted by North 464 tower (row: 22 , col: 3)
_by_Ntower_464
Entries 28369
Mean 0.193
RMS 0.09202
χ² / ndf 60.25 / 42
p0 218.1 ± 18.2
p1 0.009325 ± 0.000912
p2 0.1303 ± 0.0058
p3 1.189 ± 0.057
p4 745 ± 20.5
mean 0.1342 ± 0.0005
sigma 0.0176 ± 0.0005
invariant mass sorted by North 465 tower (row: 22 , col: 4)
_by_Ntower_465
Entries 25858
Mean 0.1906
RMS 0.08871
χ² / ndf 65.44 / 42
p0 313.2 ± 39.5
p1 0.008131 ± 0.001406
p2 0.1078 ± 0.0047
p3 1.488 ± 0.075
p4 862.5 ± 21.1
mean 0.1353 ± 0.0004
sigma 0.01765 ± 0.00047
invariant mass sorted by North 466 tower (row: 22 , col: 5)
_by_Ntower_466
Entries 21452
Mean 0.1904
RMS 0.08907
χ² / ndf 64.24 / 42
p0 261.5 ± 38.3
p1 0.00693 ± 0.00180
p2 0.1082 ± 0.0054
p3 1.477 ± 0.087
p4 705.6 ± 19.4
mean 0.1356 ± 0.0005
sigma 0.01786 ± 0.00055
invariant mass sorted by North 467 tower (row: 22 , col: 6)
_by_Ntower_467
Entries 21498
Mean 0.1955
RMS 0.09028
χ² / ndf 59.27 / 42
p0 264.7 ± 39.3
p1 0.006277 ± 0.001957
p2 0.1193 ± 0.0069
p3 1.488 ± 0.095
p4 719.6 ± 18.4
mean 0.1358 ± 0.0004
sigma 0.01808 ± 0.00051
invariant mass sorted by North 468 tower (row: 22 , col: 7)
_by_Ntower_468
Entries 20524
Mean 0.1938
RMS 0.08935
χ² / ndf 83.72 / 42
p0 240.5 ± 33.4
p1 0.00723 ± 0.00189
p2 0.1221 ± 0.0069
p3 1.484 ± 0.091
p4 811.4 ± 19.6
mean 0.1352 ± 0.0004
sigma 0.01754 ± 0.00045
invariant mass sorted by North 469 tower (row: 22 , col: 8)
_by_Ntower_469
Entries 21440
Mean 0.194
RMS 0.08995
χ² / ndf 60.35 / 42
p0 206.6 ± 22.3
p1 0.008901 ± 0.001545
p2 0.1362 ± 0.0078
p3 1.389 ± 0.078
p4 913.9 ± 20.7
mean 0.1343 ± 0.0004
sigma 0.01687 ± 0.00039
invariant mass sorted by North 470 tower (row: 22 , col: 9)
_by_Ntower_470
Entries 26345
Mean 0.1942
RMS 0.08892
χ² / ndf 75.86 / 42
p0 235.9 ± 22.6
p1 0.008581 ± 0.001559
p2 0.1458 ± 0.0086
p3 1.353 ± 0.075
p4 1216 ± 23.7
mean 0.1347 ± 0.0003
sigma 0.01627 ± 0.00031
invariant mass sorted by North 471 tower (row: 22 , col: 10)
_by_Ntower_471
Entries 19739
Mean 0.1936
RMS 0.08854
χ² / ndf 46.88 / 42
p0 263.6 ± 49.5
p1 0.005206 ± 0.002969
p2 0.118 ± 0.008
p3 1.648 ± 0.122
p4 892.6 ± 20.3
mean 0.1349 ± 0.0003
sigma 0.01599 ± 0.00035
invariant mass sorted by North 472 tower (row: 22 , col: 11)
_by_Ntower_472
Entries 9673
Mean 0.1981
RMS 0.09097
χ² / ndf 48.88 / 42
p0 99.94 ± 17.91
p1 0.007804 ± 0.002709
p2 0.1398 ± 0.0122
p3 1.412 ± 0.130
p4 376.3 ± 13.2
mean 0.1348 ± 0.0006
sigma 0.01667 ± 0.00060
invariant mass sorted by North 473 tower (row: 22 , col: 12)
_by_Ntower_473
Entries 7965
Mean 0.1992
RMS 0.09136
χ² / ndf 29.75 / 42
p0 80.54 ± 16.12
p1 0.006540 ± 0.003244
p2 0.1487 ± 0.0171
p3 1.375 ± 0.157
p4 320.1 ± 12.5
mean 0.1352 ± 0.0006
sigma 0.01625 ± 0.00068
invariant mass sorted by North 474 tower (row: 22 , col: 13)
_by_Ntower_474
Entries 6522
Mean 0.2015
RMS 0.09066
χ² / ndf 52.93 / 42
p0 142.4 ± 58.6
p1 0.0008667 ± 0.0060341
p2 0.1072 ± 0.0118
p3 1.908 ± 0.256
p4 226.9 ± 11.2
mean 0.1349 ± 0.0007
sigma 0.01584 ± 0.00083
invariant mass sorted by North 475 tower (row: 22 , col: 14)
_by_Ntower_475
Entries 7968
Mean 0.1972
RMS 0.09071
χ² / ndf 46.27 / 42
p0 115.6 ± 43.8
p1 −0.003655 ± 0.007558
p2 0.1296 ± 0.0180
p3 1.718 ± 0.278
p4 337.3 ± 12.7
mean 0.1347 ± 0.0005
sigma 0.01556 ± 0.00057
invariant mass sorted by North 476 tower (row: 22 , col: 15)
_by_Ntower_476
Entries 6492
Mean 0.1981
RMS 0.09249
χ² / ndf 44.32 / 42
p0 42.29 ± 3.05
p1 0.01036 ± 0.00196
p2 0.23 ± 0.04
p3 1.03 ± 0.13
p4 279.1 ± 11.3
mean 0.1351 ± 0.0006
sigma 0.01562 ± 0.00060
invariant mass sorted by North 477 tower (row: 22 , col: 16)
_by_Ntower_477
Entries 4854
Mean 0.1945
RMS 0.09129
χ² / ndf 35.57 / 41
p0 48.03 ± 30.44
p1 −0.0104 ± 0.0221
p2 0.1624 ± 0.0433
p3 1.509 ± 0.531
p4 194.7 ± 8.6
mean 0.1351 ± 0.0008
sigma 0.0181 ± 0.0008
invariant mass sorted by North 478 tower (row: 22 , col: 17)
_by_Ntower_478
Entries 3575
Mean 0.2008
RMS 0.0935
χ² / ndf 37.37 / 41
p0 24.09 ± 3.40
p1 0.01183 ± 0.00711
p2 0.2487 ± 0.2393
p3 1.819 ± 0.198
p4 124.5 ± 7.2
mean 0.1349 ± 0.0009
sigma 0.01803 ± 0.00103
invariant mass sorted by North 479 tower (row: 22 , col: 18)
_by_Ntower_479
Entries 3500
Mean 0.1984
RMS 0.09319
χ² / ndf 44.45 / 42
p0 20.13 ± 3.04
p1 0.008716 ± 0.003819
p2 0.2041 ± 0.0457
p3 1.037 ± 0.265
p4 115.8 ± 7.1
mean 0.1346 ± 0.0010
sigma 0.01683 ± 0.00097
invariant mass sorted by North 480 tower (row: 22 , col: 19)
_by_Ntower_480
Entries 2622
Mean 0.2068
RMS 0.09809
χ² / ndf 56.66 / 42
p0 39.57 ± 5.34
p1 −0.04544 ± 0.01950
p2 0.2383 ± 0.0350
p3 1.769 ± 0.560
p4 63.61 ± 4.42
mean 0.1341 ± 0.0015
sigma 0.02286 ± 0.00156
invariant mass sorted by North 481 tower (row: 22 , col: 20)
_by_Ntower_481
Entries 2221
Mean 0.2045
RMS 0.1006
χ² / ndf 59.67 / 42
p0 34.75 ± 21.11
p1 −0.08144 ± 0.07235
p2 0.25 ± 0.16
p3 1.925 ± 0.702
p4 47.64 ± 4.05
mean 0.1307 ± 0.0018
sigma 0.02341 ± 0.00238
invariant mass sorted by North 482 tower (row: 22 , col: 21)
_by_Ntower_482
Entries 1051
Mean 0.1943
RMS 0.1022
χ² / ndf 45.48 / 41
p0 98.8 ± 164.1
p1 −0.1846 ± 0.1208
p2 0.1433 ± 0.0536
p3 4.128 ± 1.957
p4 36.51 ± 3.22
mean 0.1144 ± 0.0016
sigma 0.0191 ± 0.0015
invariant mass sorted by North 483 tower (row: 22 , col: 22)
mass_by_Ntower_483
Entries 0
Mean 0
RMS 0
invariant mass [GeV]

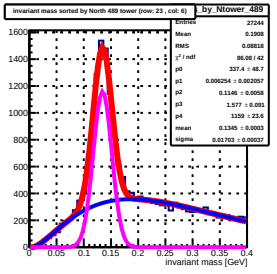

invariant mass sorted by North 484 tower (row: 23 , col: 1)
_by_Ntower_484
Entries 26073
Mean 0.2106
RMS 0.09659
χ² / ndf 46.61 / 42
p0 2645 ± 11.5
p1 0.0106 ± 0.0007
p2 0.1628 ± 0.0086
p3 1.133 ± 0.051
p4 287 ± 14.6
mean 0.1334 ± 0.0010
sigma 0.01993 ± 0.00126
invariant mass [GeV]

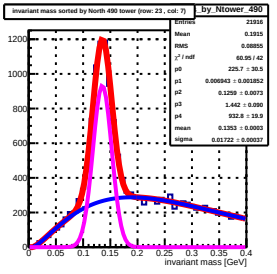

invariant mass sorted by North 485 tower (row: 23 , col: 2)
_by_Ntower_485
Entries 28118
Mean 0.2004
RMS 0.09413
χ² / ndf 51.79 / 42
p0 215.7 ± 18.5
p1 0.007329 ± 0.001460
p2 0.1548 ± 0.0095
p3 1.171 ± 0.074
p4 664.8 ± 17.8
mean 0.1337 ± 0.0005
sigma 0.01773 ± 0.00054
invariant mass [GeV]

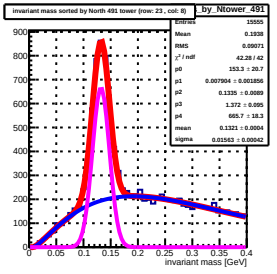

invariant mass sorted by North 486 tower (row: 23 , col: 3)
_by_Ntower_486
Entries 24434
Mean 0.1958
RMS 0.09284
χ² / ndf 45.81 / 42
p0 172 ± 12.5
p1 0.01034 ± 0.00080
p2 0.1458 ± 0.0075
p3 1.127 ± 0.056
p4 639 ± 18.4
mean 0.1345 ± 0.0005
sigma 0.01813 ± 0.00057
invariant mass [GeV]

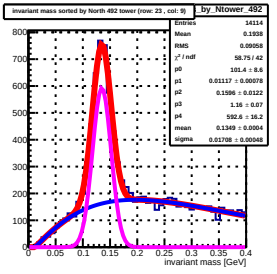

invariant mass sorted by North 487 tower (row: 23 , col: 4)
_by_Ntower_487
Entries 21166
Mean 0.1916
RMS 0.09102
χ² / ndf 43.41 / 42
p0 155.8 ± 15.2
p1 0.008487 ± 0.001151
p2 0.1387 ± 0.0078
p3 1.171 ± 0.071
p4 679.3 ± 18.4
mean 0.1356 ± 0.0005
sigma 0.01824 ± 0.00054
invariant mass [GeV]

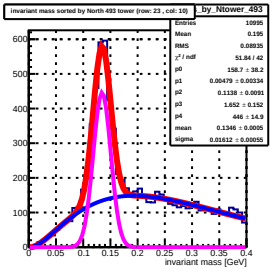

invariant mass sorted by North 488 tower (row: 23 , col: 5)
_by_Ntower_488
Entries 19021
Mean 0.1922
RMS 0.08952
χ² / ndf 51.49 / 42
p0 225.2 ± 35.6
p1 0.006754 ± 0.002039
p2 0.1131 ± 0.0064
p3 1.483 ± 0.097
p4 625.2 ± 17.6
mean 0.1353 ± 0.0005
sigma 0.01832 ± 0.00056
invariant mass [GeV]

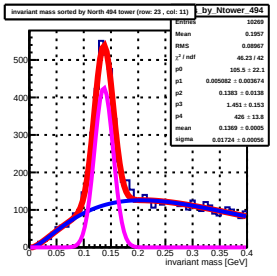

invariant mass sorted by North 489 tower (row: 23 , col: 6)
_by_Ntower_489
Entries 27244
Mean 0.1908
RMS 0.08818
χ² / ndf 86.08 / 42
p0 337.4 ± 48.7
p1 0.006254 ± 0.002057
p2 0.1146 ± 0.0058
p3 1.577 ± 0.091
p4 1159 ± 23.6
mean 0.1345 ± 0.0003
sigma 0.01703 ± 0.00037
invariant mass [GeV]

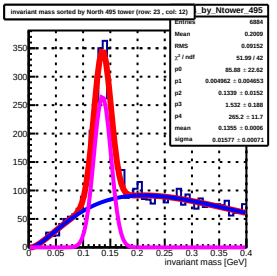

invariant mass sorted by North 490 tower (row: 23 , col: 7)
_by_Ntower_490
Entries 21916
Mean 0.1915
RMS 0.08855
χ² / ndf 60.95 / 42
p0 225.7 ± 30.5
p1 0.006943 ± 0.001852
p2 0.1259 ± 0.0073
p3 1.442 ± 0.089
p4 932.8 ± 19.9
mean 0.1353 ± 0.0003
sigma 0.01722 ± 0.00037
invariant mass [GeV]

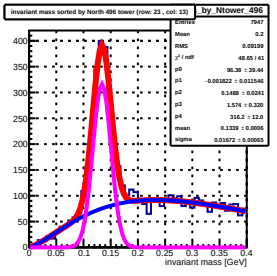

invariant mass sorted by North 491 tower (row: 23 , col: 8)
_by_Ntower_491
Entries 15555
Mean 0.1938
RMS 0.09071
χ² / ndf 42.28 / 42
p0 153.3 ± 20.7
p1 0.007904 ± 0.001856
p2 0.1335 ± 0.0089
p3 1.372 ± 0.095
p4 665.7 ± 18.3
mean 0.1321 ± 0.0004
sigma 0.01563 ± 0.00042
invariant mass [GeV]

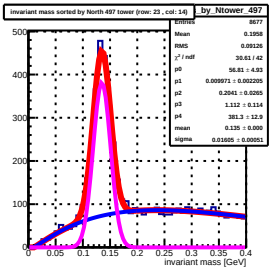

invariant mass sorted by North 492 tower (row: 23 , col: 9)
_by_Ntower_492
Entries 14114
Mean 0.1938
RMS 0.09058
χ² / ndf 58.75 / 42
p0 101.4 ± 8.6
p1 0.01117 ± 0.00078
p2 0.1596 ± 0.0122
p3 1.16 ± 0.07
p4 592.6 ± 16.2
mean 0.1349 ± 0.0004
sigma 0.01708 ± 0.00048
invariant mass [GeV]

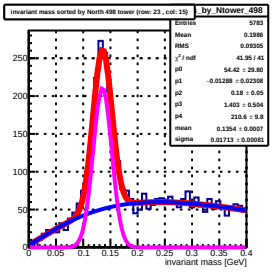

invariant mass sorted by North 493 tower (row: 23 , col: 10)
_by_Ntower_493
Entries 10995
Mean 0.195
RMS 0.08935
χ² / ndf 51.84 / 42
p0 158.7 ± 38.2
p1 0.00479 ± 0.00334
p2 0.1138 ± 0.0091
p3 1.652 ± 0.152
p4 446 ± 14.9
mean 0.1346 ± 0.0005
sigma 0.01612 ± 0.00055
invariant mass [GeV]

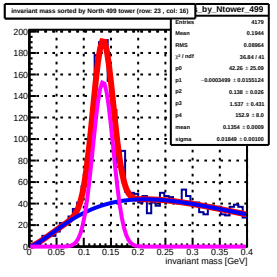

invariant mass sorted by North 494 tower (row: 23 , col: 11)
_by_Ntower_494
Entries 10269
Mean 0.1957
RMS 0.08967
χ² / ndf 46.23 / 42
p0 185.5 ± 22.1
p1 0.005082 ± 0.003674
p2 0.1383 ± 0.0138
p3 1.451 ± 0.153
p4 426 ± 13.8
mean 0.1369 ± 0.0005
sigma 0.01724 ± 0.00056
invariant mass [GeV]

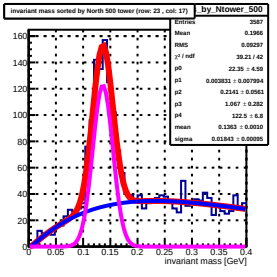

invariant mass sorted by North 495 tower (row: 23 , col: 12)
_by_Ntower_495
Entries 6884
Mean 0.2009
RMS 0.09152
χ² / ndf 51.99 / 42
p0 85.88 ± 22.62
p1 0.004962 ± 0.004653
p2 0.1339 ± 0.0152
p3 1.532 ± 0.188
p4 265.2 ± 11.7
mean 0.1355 ± 0.0006
sigma 0.01577 ± 0.00071
invariant mass [GeV]

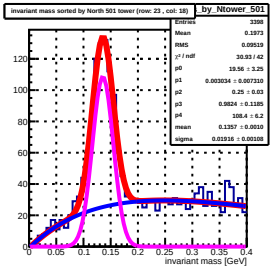

invariant mass sorted by North 496 tower (row: 23 , col: 13)
_by_Ntower_496
Entries 7947
Mean 0.2
RMS 0.09199
χ² / ndf 48.65 / 42
p0 96.38 ± 39.44
p1 −0.001822 ± 0.011546
p2 0.1488 ± 0.0241
p3 1.574 ± 0.320
p4 316.2 ± 12.0
mean 0.1339 ± 0.0006
sigma 0.01672 ± 0.00065
invariant mass [GeV]

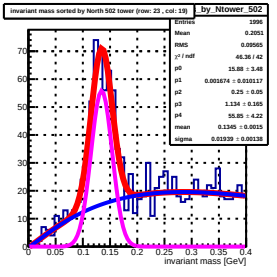

invariant mass sorted by North 497 tower (row: 23 , col: 14)
_by_Ntower_497
Entries 8677
Mean 0.1958
RMS 0.09126
χ² / ndf 30.61 / 42
p0 56.81 ± 4.83
p1 0.009971 ± 0.002205
p2 0.2041 ± 0.0265
p3 1.112 ± 0.114
p4 381.3 ± 12.9
mean 0.135 ± 0.000
sigma 0.01605 ± 0.00051
invariant mass [GeV]

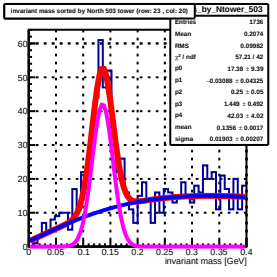

invariant mass sorted by North 498 tower (row: 23 , col: 15)
_by_Ntower_498
Entries 5743
Mean 0.1986
RMS 0.09305
χ² / ndf 41.95 / 41
p0 54.42 ± 29.86
p1 −0.01288 ± 0.02308
p2 0.18 ± 0.05
p3 1.403 ± 0.504
p4 210.6 ± 9.8
mean 0.1354 ± 0.0007
sigma 0.01713 ± 0.00081
invariant mass [GeV]

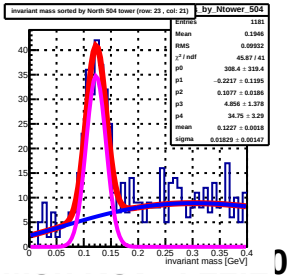

invariant mass sorted by North 499 tower (row: 23 , col: 16)
_by_Ntower_499
Entries 4179
Mean 0.1944
RMS 0.08964
χ² / ndf 36.84 / 41
p0 42.26 ± 25.09
p1 −0.0003499 ± 0.0155124
p2 0.138 ± 0.026
p3 1.537 ± 0.431
p4 152.9 ± 8.0
mean 0.1354 ± 0.0009
sigma 0.01849 ± 0.00100
invariant mass [GeV]

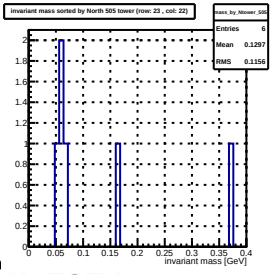

invariant mass sorted by North 500 tower (row: 23 , col: 17)
_by_Ntower_500
Entries 3587
Mean 0.1966
RMS 0.09297
χ² / ndf 39.21 / 42
p0 22.35 ± 4.59
p1 0.003831 ± 0.007994
p2 0.2141 ± 0.0561
p3 1.997 ± 0.282
p4 122.5 ± 6.8
mean 0.1363 ± 0.0010
sigma 0.01843 ± 0.00095
invariant mass [GeV]

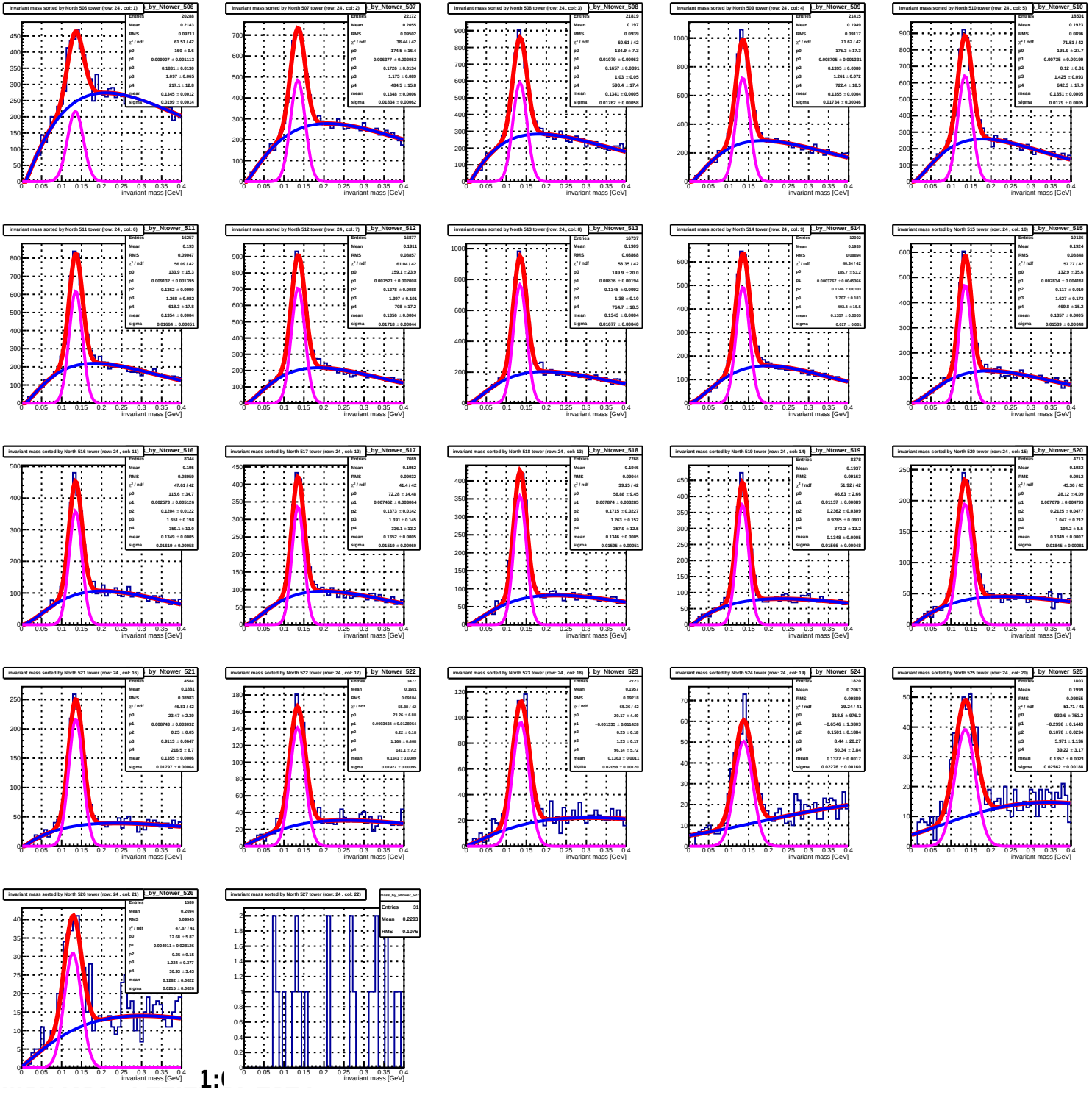

invariant mass sorted by North 501 tower (row: 23 , col: 18)
_by_Ntower_501
Entries 3398
Mean 0.1973
RMS 0.09519
χ² / ndf 30.93 / 42
p0 19.56 ± 3.25
p1 0.003034 ± 0.007310
p2 0.25 ± 0.03
p3 0.9824 ± 0.1185
p4 108.4 ± 6.2
mean 0.1357 ± 0.0010
sigma 0.01916 ± 0.00108
invariant mass [GeV]

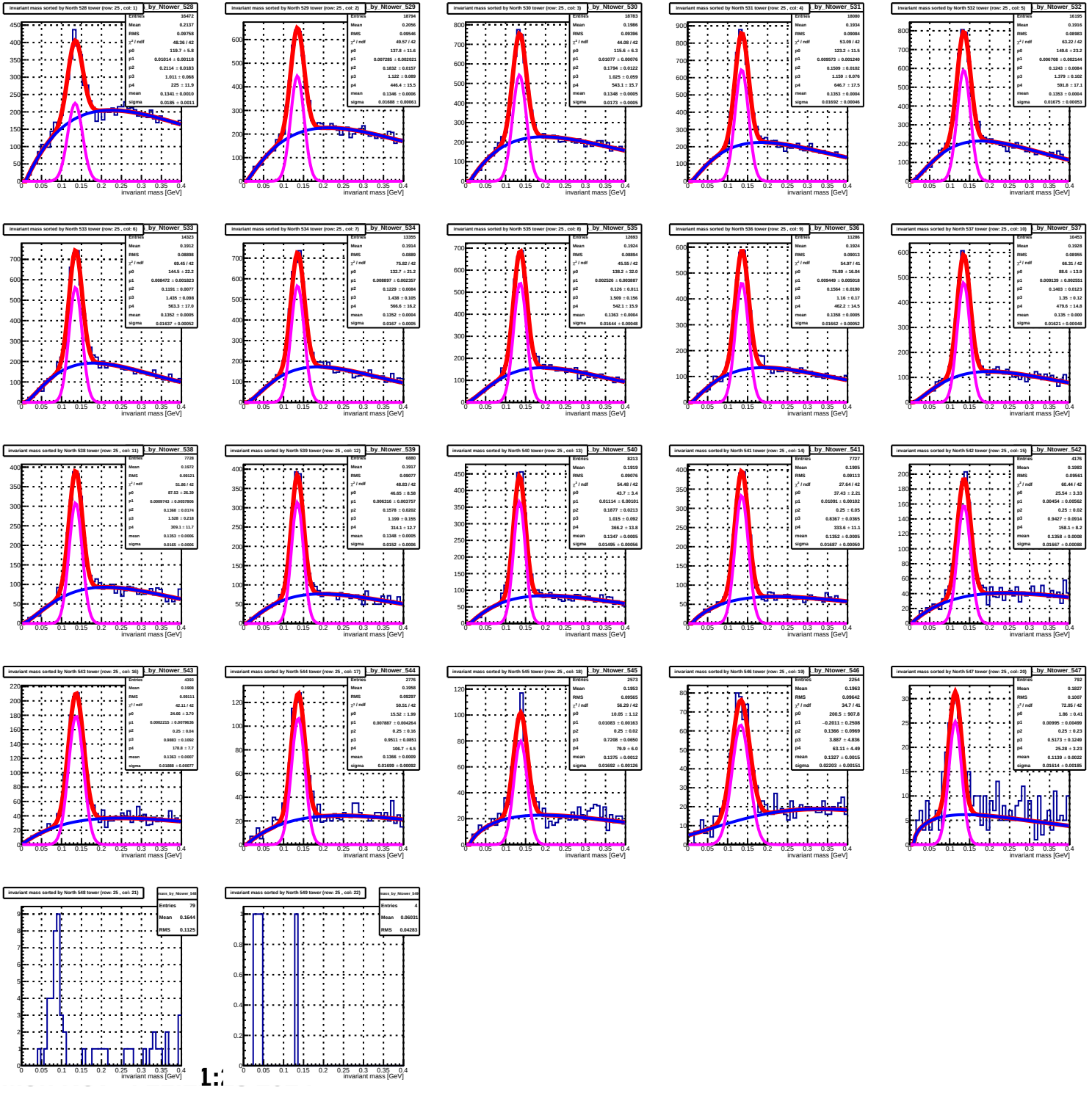

invariant mass sorted by North 502 tower (row: 23 , col: 19)
_by_Ntower_502
Entries 1996
Mean 0.2051
RMS 0.09565
χ² / ndf 46.36 / 42
p0 15.88 ± 3.48
p1 0.001674 ± 0.010117
p2 0.25 ± 0.05
p3 1.134 ± 0.165
p4 55.85 ± 4.22
mean 0.1345 ± 0.0015
sigma 0.01939 ± 0.00138
invariant mass [GeV]

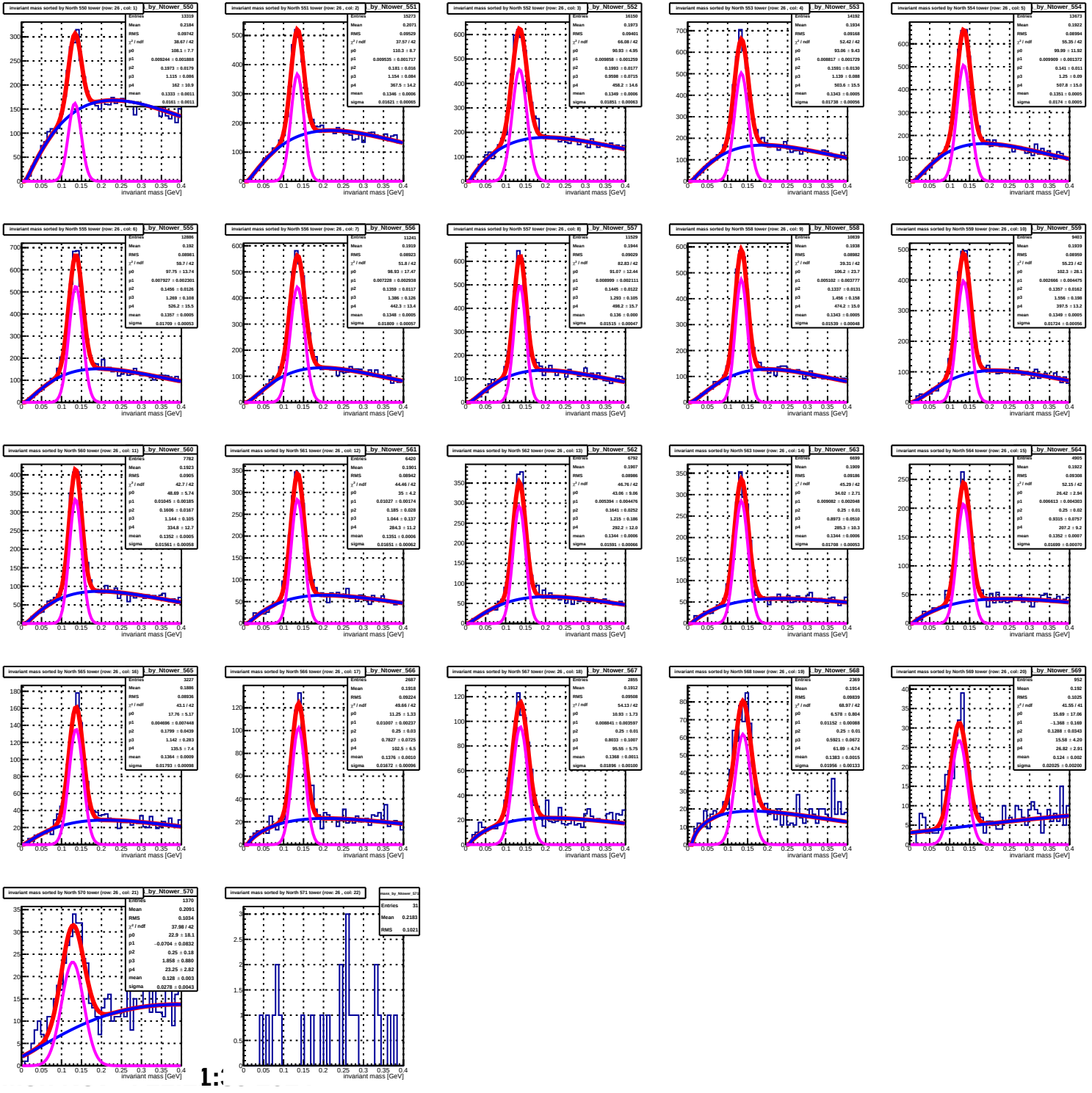

invariant mass sorted by North 503 tower (row: 23 , col: 20)
_by_Ntower_503
Entries 1736
Mean 0.2074
RMS 0.09982
χ² / ndf 57.21 / 42
p0 17.38 ± 9.39
p1 −0.03088 ± 0.04325
p2 0.25 ± 0.05
p3 1.449 ± 0.492
p4 42.03 ± 4.02
mean 0.1356 ± 0.0017
sigma 0.01903 ± 0.00207
invariant mass [GeV]

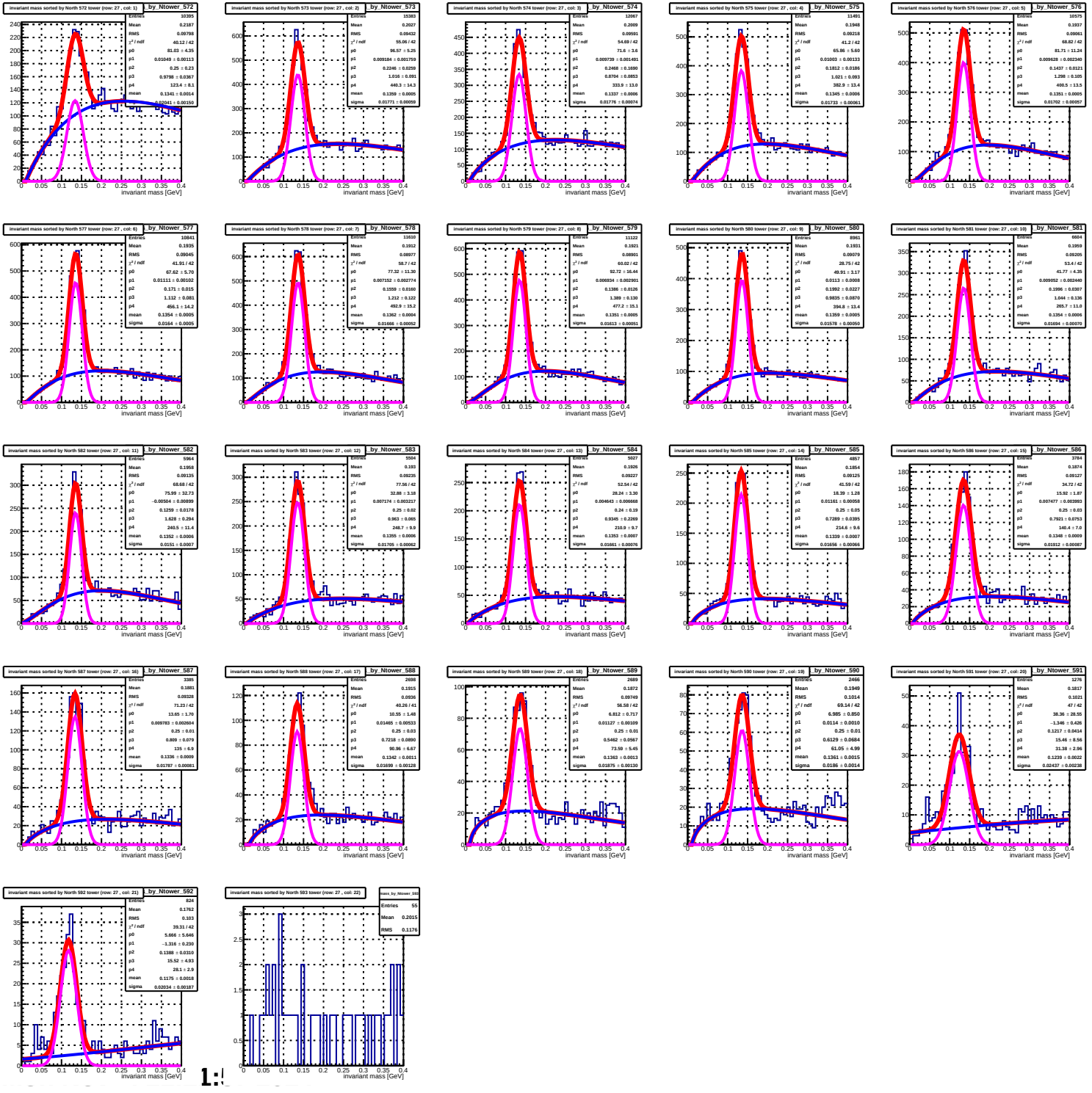

invariant mass sorted by North 504 tower (row: 23 , col: 21)
_by_Ntower_504
Entries 1181
Mean 0.1946
RMS 0.09932
χ² / ndf 45.87 / 41
p0 308.4 ± 319.4
p1 −0.2217 ± 0.1195
p2 0.1077 ± 0.0186
p3 4.856 ± 1.378
p4 34.75 ± 3.29
mean 0.1227 ± 0.0018
sigma 0.01829 ± 0.00147
invariant mass [GeV]

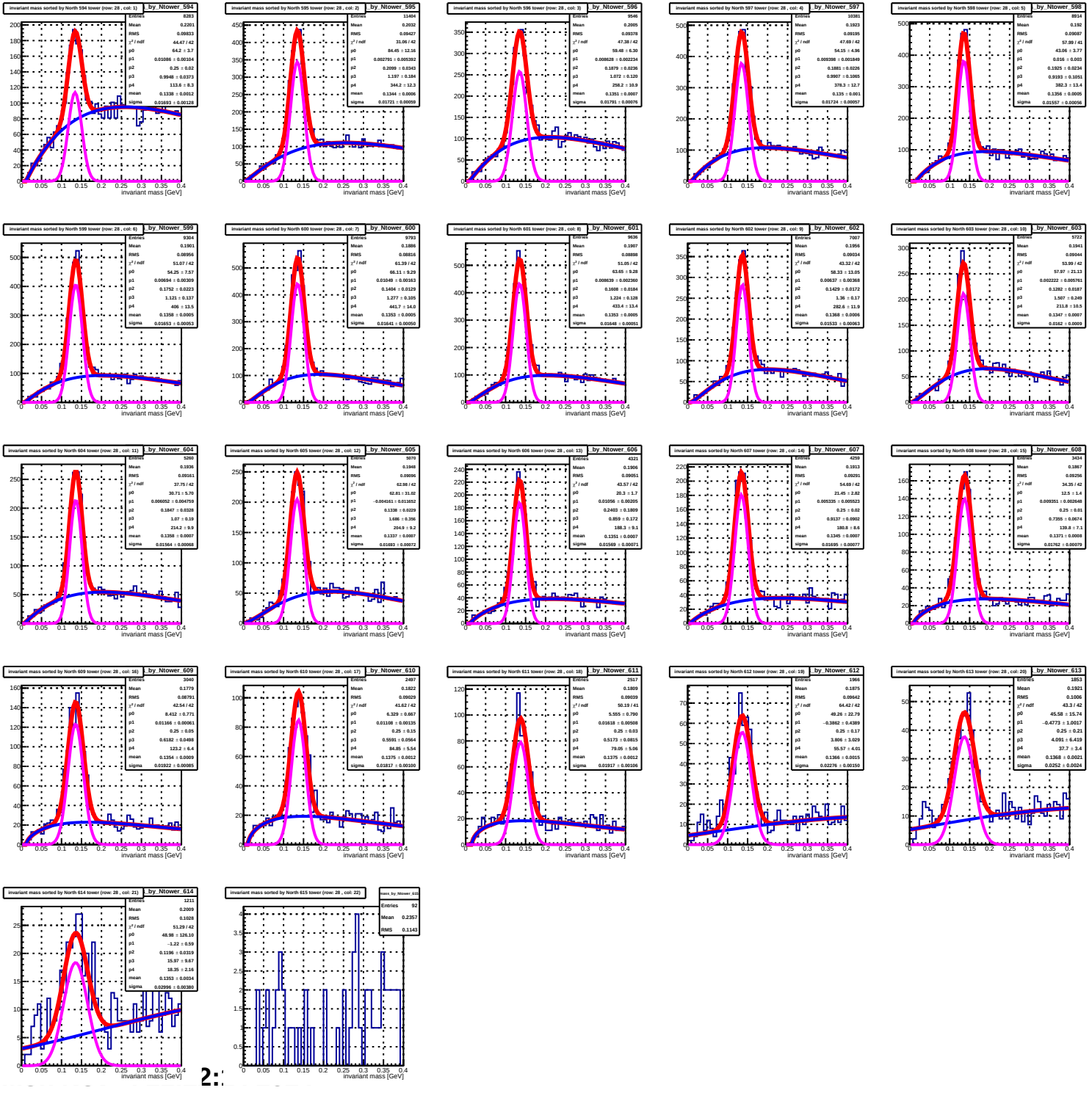

invariant mass sorted by North 505 tower (row: 23 , col: 22)
mass_by_Ntower_505
Entries 6
Mean 0.1297
RMS 0.1156
invariant mass [GeV]

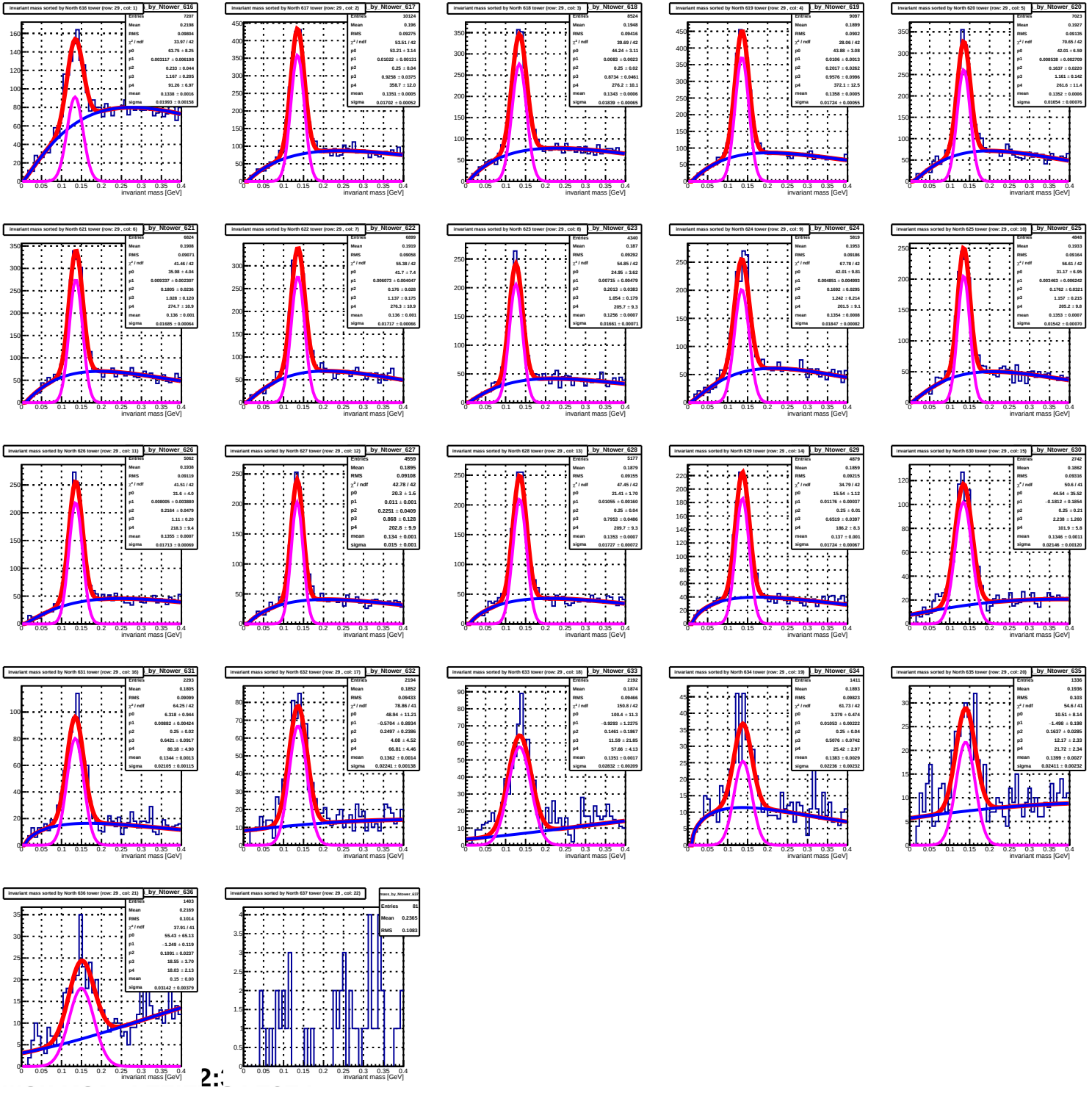

invariant mass sorted by North 506 tower (row: 24 , col: 1)
_by_Ntower_506
Entries 20288
Mean 0.2143
RMS 0.09711
χ² / ndf 61.51 / 42
p0 160 ± 9.6
p1 0.009907 ± 0.001113
p2 0.1831 ± 0.0130
p3 1.097 ± 0.065
p4 217.1 ± 12.8
mean 0.1345 ± 0.0012
sigma 0.0159 ± 0.0014
invariant mass sorted by North 507 tower (row: 24 , col: 2)
_by_Ntower_507
Entries 22172
Mean 0.2055
RMS 0.09502
χ² / ndf 38.44 / 42
p0 174.5 ± 16.4
p1 0.006377 ± 0.002053
p2 0.1726 ± 0.0134
p3 1.175 ± 0.089
p4 484.5 ± 15.8
mean 0.1348 ± 0.0006
sigma 0.01834 ± 0.00062
invariant mass sorted by North 508 tower (row: 24 , col: 3)
_by_Ntower_508
Entries 21819
Mean 0.197
RMS 0.0939
χ² / ndf 60.61 / 42
p0 134.9 ± 7.3
p1 0.01079 ± 0.00063
p2 0.1657 ± 0.0091
p3 1.03 ± 0.05
p4 590.4 ± 17.4
mean 0.1341 ± 0.0005
sigma 0.01762 ± 0.00058
invariant mass sorted by North 509 tower (row: 24 , col: 4)
_by_Ntower_509
Entries 21415
Mean 0.1949
RMS 0.09117
χ² / ndf 71.62 / 42
p0 175.3 ± 17.3
p1 0.008705 ± 0.001331
p2 0.1395 ± 0.0080
p3 1.261 ± 0.072
p4 722.4 ± 18.5
mean 0.1355 ± 0.0004
sigma 0.01734 ± 0.00046
invariant mass sorted by North 510 tower (row: 24 , col: 5)
_by_Ntower_510
Entries 18501
Mean 0.1923
RMS 0.0896
χ² / ndf 71.51 / 42
p0 191.9 ± 27.7
p1 0.00735 ± 0.00199
p2 0.12 ± 0.01
p3 1.425 ± 0.093
p4 642.3 ± 17.9
mean 0.1351 ± 0.0005
sigma 0.0179 ± 0.0005
invariant mass sorted by North 511 tower (row: 24 , col: 6)
_by_Ntower_511
Entries 16257
Mean 0.193
RMS 0.09047
χ² / ndf 56.09 / 42
p0 133.9 ± 15.3
p1 0.009132 ± 0.001395
p2 0.1362 ± 0.0090
p3 1.268 ± 0.082
p4 618.3 ± 17.8
mean 0.1354 ± 0.0004
sigma 0.01664 ± 0.00051
invariant mass sorted by North 512 tower (row: 24 , col: 7)
_by_Ntower_512
Entries 16877
Mean 0.1911
RMS 0.08857
χ² / ndf 61.04 / 42
p0 159.1 ± 23.9
p1 0.007521 ± 0.002008
p2 0.1278 ± 0.0088
p3 1.397 ± 0.101
p4 708 ± 17.2
mean 0.1356 ± 0.0004
sigma 0.01718 ± 0.00044
invariant mass sorted by North 513 tower (row: 24 , col: 8)
_by_Ntower_513
Entries 16737
Mean 0.1909
RMS 0.08868
χ² / ndf 58.35 / 42
p0 149.9 ± 20.0
p1 0.00836 ± 0.00194
p2 0.1348 ± 0.0092
p3 1.38 ± 0.10
p4 764.7 ± 18.5
mean 0.1343 ± 0.0004
sigma 0.01677 ± 0.00040
invariant mass sorted by North 514 tower (row: 24 , col: 9)
_by_Ntower_514
Entries 12002
Mean 0.1839
RMS 0.08894
χ² / ndf 40.34 / 42
p0 185.7 ± 53.2
p1 0.0003767 ± 0.0045366
p2 0.1146 ± 0.0181
p3 1.707 ± 0.163
p4 493.4 ± 15.5
mean 0.1357 ± 0.0005
sigma 0.017 ± 0.001
invariant mass sorted by North 515 tower (row: 24 , col: 10)
_by_Ntower_515
Entries 10136
Mean 0.1924
RMS 0.08848
χ² / ndf 57.77 / 42
p0 132.9 ± 35.6
p1 0.002834 ± 0.004161
p2 0.117 ± 0.010
p3 1.627 ± 0.172
p4 469.8 ± 15.2
mean 0.1357 ± 0.0005
sigma 0.01539 ± 0.00048
invariant mass sorted by North 516 tower (row: 24 , col: 11)
_by_Ntower_516
Entries 8344
Mean 0.195
RMS 0.08959
χ² / ndf 47.61 / 42
p0 115.6 ± 34.7
p1 0.002573 ± 0.005126
p2 0.1204 ± 0.0122
p3 1.651 ± 0.198
p4 359.1 ± 13.0
mean 0.1349 ± 0.0005
sigma 0.01619 ± 0.00058
invariant mass sorted by North 517 tower (row: 24 , col: 12)
_by_Ntower_517
Entries 7669
Mean 0.1952
RMS 0.09032
χ² / ndf 41.4 / 42
p0 72.28 ± 14.48
p1 0.007462 ± 0.003064
p2 0.1373 ± 0.0142
p3 1.391 ± 0.145
p4 336.1 ± 13.2
mean 0.1352 ± 0.0005
sigma 0.01519 ± 0.00060
invariant mass sorted by North 518 tower (row: 24 , col: 13)
_by_Ntower_518
Entries 7768
Mean 0.1946
RMS 0.09044
χ² / ndf 39.25 / 42
p0 58.88 ± 9.45
p1 0.007874 ± 0.003285
p2 0.1715 ± 0.0227
p3 1.263 ± 0.152
p4 357.9 ± 12.5
mean 0.1346 ± 0.0005
sigma 0.01595 ± 0.00051
invariant mass sorted by North 519 tower (row: 24 , col: 14)
_by_Ntower_519
Entries 8378
Mean 0.1937
RMS 0.09163
χ² / ndf 51.92 / 42
p0 46.63 ± 2.66
p1 0.01137 ± 0.00089
p2 0.2362 ± 0.0309
p3 0.9285 ± 0.0901
p4 373.2 ± 12.2
mean 0.1348 ± 0.0005
sigma 0.01566 ± 0.00048
invariant mass sorted by North 520 tower (row: 24 , col: 15)
_by_Ntower_520
Entries 4713
Mean 0.1922
RMS 0.0912
χ² / ndf 43.36 / 42
p0 28.12 ± 4.09
p1 0.007079 ± 0.004793
p2 0.2125 ± 0.0477
p3 1.047 ± 0.212
p4 194.2 ± 8.5
mean 0.1349 ± 0.0007
sigma 0.01645 ± 0.00081
invariant mass sorted by North 521 tower (row: 24 , col: 16)
_by_Ntower_521
Entries 4584
Mean 0.1881
RMS 0.08983
χ² / ndf 46.81 / 42
p0 23.47 ± 2.30
p1 0.008743 ± 0.003032
p2 0.25 ± 0.05
p3 0.9113 ± 0.0647
p4 216.5 ± 8.7
mean 0.1355 ± 0.0006
sigma 0.01797 ± 0.00064
invariant mass sorted by North 522 tower (row: 24 , col: 17)
_by_Ntower_522
Entries 3477
Mean 0.1801
RMS 0.09184
χ² / ndf 55.88 / 42
p0 23.26 ± 6.89
p1 −0.0003434 ± 0.0128954
p2 0.22 ± 0.18
p3 1.164 ± 0.408
p4 141.1 ± 7.2
mean 0.1341 ± 0.0009
sigma 0.01927 ± 0.00095
invariant mass sorted by North 523 tower (row: 24 , col: 18)
_by_Ntower_523
Entries 2723
Mean 0.1857
RMS 0.09218
χ² / ndf 65.36 / 42
p0 20.17 ± 4.40
p1 −0.001335 ± 0.011428
p2 0.25 ± 0.18
p3 1.23 ± 0.17
p4 96.14 ± 5.72
mean 0.1363 ± 0.0011
sigma 0.02058 ± 0.00120
invariant mass sorted by North 524 tower (row: 24 , col: 19)
_by_Ntower_524
Entries 1820
Mean 0.2063
RMS 0.09889
χ² / ndf 39.24 / 41
p0 318.8 ± 976.3
p1 −0.6546 ± 1.3803
p2 0.1501 ± 0.1884
p3 8.44 ± 20.27
p4 50.34 ± 3.84
mean 0.1377 ± 0.0017
sigma 0.02276 ± 0.00160
invariant mass sorted by North 525 tower (row: 24 , col: 20)
_by_Ntower_525
Entries 1803
Mean 0.1999
RMS 0.09855
χ² / ndf 51.71 / 41
p0 930.6 ± 753.2
p1 −0.2998 ± 0.1443
p2 0.1078 ± 0.0234
p3 5.571 ± 1.136
p4 39.22 ± 3.17
mean 0.1357 ± 0.0021
sigma 0.02562 ± 0.00188
invariant mass sorted by North 526 tower (row: 24 , col: 21)
_by_Ntower_526
Entries 1580
Mean 0.2094
RMS 0.09945
χ² / ndf 47.87 / 41
p0 12.68 ± 5.87
p1 −0.004911 ± 0.028126
p2 0.25 ± 0.15
p3 1.224 ± 0.377
p4 30.93 ± 3.43
mean 0.1282 ± 0.0022
sigma 0.0215 ± 0.0026
invariant mass sorted by North 527 tower (row: 24 , col: 22)
mass_by_Ntower_527
Entries 31
Mean 0.2293
RMS 0.1076
invariant mass [GeV]

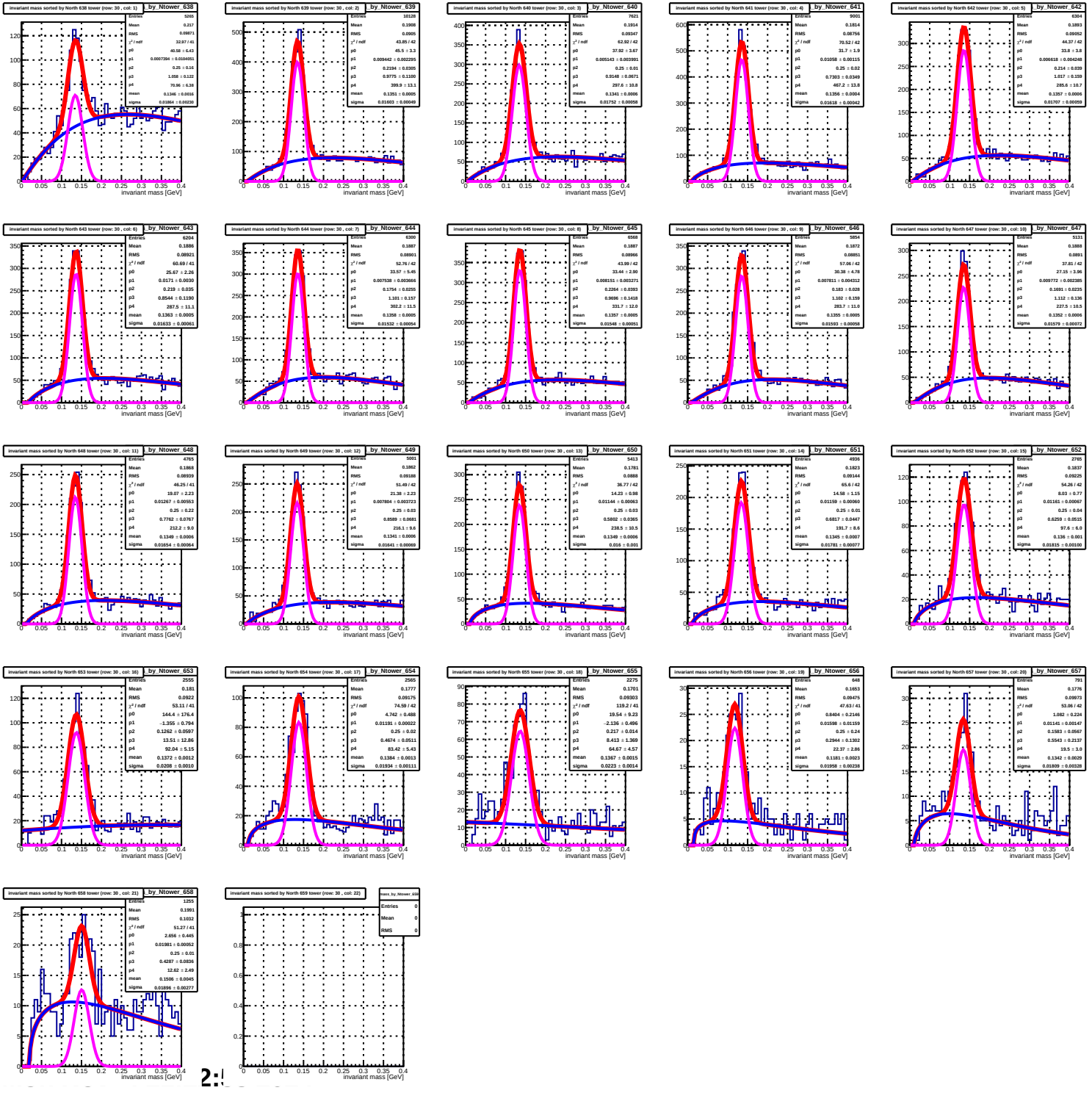

invariant mass sorted by North 528 tower (row: 25 , col: 1) _by_Ntower_528
Entries 16472
Mean 0.2137
RMS 0.09758
χ² / ndf 48.36 / 42
p0 119.7 ± 5.8
p1 0.01014 ± 0.00118
p2 0.2114 ± 0.0183
p3 1.011 ± 0.068
p4 225 ± 11.9
mean 0.1341 ± 0.0010
sigma 0.0185 ± 0.0011
invariant mass sorted by North 529 tower (row: 25 , col: 2) _by_Ntower_529
Entries 18794
Mean 0.2056
RMS 0.09546
χ² / ndf 49.57 / 42
p0 137.8 ± 11.4
p1 0.007285 ± 0.002021
p2 0.1832 ± 0.0157
p3 1.122 ± 0.089
p4 446.4 ± 15.5
mean 0.1346 ± 0.0006
sigma 0.01688 ± 0.00061
invariant mass sorted by North 530 tower (row: 25 , col: 3) _by_Ntower_530
Entries 18783
Mean 0.1986
RMS 0.09396
χ² / ndf 44.08 / 42
p0 115.6 ± 6.3
p1 0.01077 ± 0.00076
p2 0.1794 ± 0.0122
p3 1.025 ± 0.059
p4 543.1 ± 15.7
mean 0.1348 ± 0.0005
sigma 0.0173 ± 0.0005
invariant mass sorted by North 531 tower (row: 25 , col: 4) _by_Ntower_531
Entries 18085
Mean 0.1934
RMS 0.09084
χ² / ndf 53.09 / 42
p0 123.2 ± 11.5
p1 0.009573 ± 0.001240
p2 0.1509 ± 0.0102
p3 1.159 ± 0.076
p4 646.7 ± 17.5
mean 0.1353 ± 0.0004
sigma 0.01692 ± 0.00046
invariant mass sorted by North 532 tower (row: 25 , col: 5) _by_Ntower_532
Entries 16195
Mean 0.1916
RMS 0.08983
χ² / ndf 63.22 / 42
p0 149.6 ± 23.2
p1 0.006708 ± 0.002144
p2 0.1243 ± 0.0084
p3 1.379 ± 0.102
p4 591.8 ± 17.1
mean 0.1353 ± 0.0004
sigma 0.01675 ± 0.00053
invariant mass sorted by North 533 tower (row: 25 , col: 6) _by_Ntower_533
Entries 14323
Mean 0.1912
RMS 0.08898
χ² / ndf 69.45 / 42
p0 144.5 ± 22.2
p1 0.008472 ± 0.003823
p2 0.1191 ± 0.0077
p3 1.438 ± 0.098
p4 563.3 ± 17.0
mean 0.1352 ± 0.0005
sigma 0.01637 ± 0.00052
invariant mass sorted by North 534 tower (row: 25 , col: 7) _by_Ntower_534
Entries 13355
Mean 0.1914
RMS 0.0889
χ² / ndf 75.82 / 42
p0 132.7 ± 21.2
p1 0.008897 ± 0.002357
p2 0.1229 ± 0.0084
p3 1.438 ± 0.105
p4 566.6 ± 16.2
mean 0.1352 ± 0.0004
sigma 0.0167 ± 0.0005
invariant mass sorted by North 535 tower (row: 25 , col: 8) _by_Ntower_535
Entries 12693
Mean 0.1924
RMS 0.08894
χ² / ndf 45.55 / 42
p0 138.2 ± 32.0
p1 0.002526 ± 0.003887
p2 0.126 ± 0.011
p3 1.569 ± 0.136
p4 542.1 ± 15.9
mean 0.1363 ± 0.0004
sigma 0.01644 ± 0.00048
invariant mass sorted by North 536 tower (row: 25 , col: 9) _by_Ntower_536
Entries 11296
Mean 0.1924
RMS 0.09013
χ² / ndf 54.97 / 41
p0 75.89 ± 16.04
p1 0.009449 ± 0.005018
p2 0.1564 ± 0.0190
p3 1.18 ± 0.17
p4 462.2 ± 14.5
mean 0.1358 ± 0.0005
sigma 0.01662 ± 0.00052
invariant mass sorted by North 537 tower (row: 25 , col: 10) _by_Ntower_537
Entries 10453
Mean 0.1926
RMS 0.08955
χ² / ndf 66.31 / 42
p0 88.6 ± 13.9
p1 0.009139 ± 0.002551
p2 0.1403 ± 0.0123
p3 1.35 ± 0.12
p4 479.6 ± 14.8
mean 0.135 ± 0.000
sigma 0.01621 ± 0.00048
invariant mass sorted by North 538 tower (row: 25 , col: 11) _by_Ntower_538
Entries 7726
Mean 0.1972
RMS 0.09121
χ² / ndf 51.86 / 42
p0 87.53 ± 35.39
p1 0.0009743 ± 0.0057806
p2 0.1368 ± 0.0174
p3 1.528 ± 0.218
p4 309.1 ± 11.7
mean 0.1353 ± 0.0006
sigma 0.0165 ± 0.0006
invariant mass sorted by North 539 tower (row: 25 , col: 12) _by_Ntower_539
Entries 6880
Mean 0.1917
RMS 0.09077
χ² / ndf 48.83 / 42
p0 46.65 ± 8.58
p1 0.006316 ± 0.003757
p2 0.1578 ± 0.0202
p3 1.199 ± 0.155
p4 314.1 ± 12.7
mean 0.1348 ± 0.0005
sigma 0.0152 ± 0.0006
invariant mass sorted by North 540 tower (row: 25 , col: 13) _by_Ntower_540
Entries 6213
Mean 0.1919
RMS 0.09076
χ² / ndf 54.48 / 42
p0 43.7 ± 3.4
p1 0.01114 ± 0.00101
p2 0.1877 ± 0.0213
p3 1.015 ± 0.092
p4 366.2 ± 13.8
mean 0.1347 ± 0.0005
sigma 0.01495 ± 0.00056
invariant mass sorted by North 541 tower (row: 25 , col: 14) _by_Ntower_541
Entries 7727
Mean 0.1905
RMS 0.09113
χ² / ndf 27.64 / 42
p0 37.43 ± 2.21
p1 0.01091 ± 0.00102
p2 0.25 ± 0.05
p3 0.8367 ± 0.0365
p4 333.6 ± 11.1
mean 0.1352 ± 0.0005
sigma 0.01687 ± 0.00050
invariant mass sorted by North 542 tower (row: 25 , col: 15) _by_Ntower_542
Entries 4176
Mean 0.1983
RMS 0.09561
χ² / ndf 60.44 / 42
p0 25.54 ± 3.33
p1 0.00454 ± 0.00562
p2 0.25 ± 0.02
p3 0.9427 ± 0.0914
p4 158.1 ± 8.2
mean 0.1358 ± 0.0008
sigma 0.01667 ± 0.00088
invariant mass sorted by North 543 tower (row: 25 , col: 16) _by_Ntower_543
Entries 4393
Mean 0.1908
RMS 0.09111
χ² / ndf 42.11 / 42
p0 24.66 ± 3.70
p1 0.0002215 ± 0.0079636
p2 0.25 ± 0.04
p3 0.9882 ± 0.1092
p4 178.8 ± 7.7
mean 0.1363 ± 0.0007
sigma 0.01688 ± 0.00077
invariant mass sorted by North 544 tower (row: 25 , col: 17) _by_Ntower_544
Entries 2776
Mean 0.1858
RMS 0.09297
χ² / ndf 50.51 / 42
p0 15.52 ± 1.99
p1 0.007887 ± 0.004264
p2 0.25 ± 0.16
p3 0.9511 ± 0.0851
p4 106.7 ± 6.5
mean 0.1366 ± 0.0009
sigma 0.01699 ± 0.00092
invariant mass sorted by North 545 tower (row: 25 , col: 18) _by_Ntower_545
Entries 2573
Mean 0.1953
RMS 0.09565
χ² / ndf 56.29 / 42
p0 10.05 ± 1.12
p1 0.01083 ± 0.00163
p2 0.25 ± 0.02
p3 0.7208 ± 0.0650
p4 79.9 ± 6.0
mean 0.1375 ± 0.0012
sigma 0.01692 ± 0.00126
invariant mass sorted by North 546 tower (row: 25 , col: 19) _by_Ntower_546
Entries 2254
Mean 0.1963
RMS 0.09642
χ² / ndf 34.7 / 41
p0 200.5 ± 907.8
p1 -0.2011 ± 0.2508
p2 0.1366 ± 0.0969
p3 3.887 ± 4.836
p4 63.11 ± 4.49
mean 0.1327 ± 0.0015
sigma 0.02203 ± 0.00151
invariant mass sorted by North 547 tower (row: 25 , col: 20) _by_Ntower_547
Entries 792
Mean 0.1827
RMS 0.1007
χ² / ndf 72.05 / 42
p0 1.86 ± 0.41
p1 0.00995 ± 0.00499
p2 0.25 ± 0.23
p3 0.5173 ± 0.1249
p4 25.28 ± 3.23
mean 0.1139 ± 0.0022
sigma 0.01614 ± 0.00185
invariant mass sorted by North 548 tower (row: 25 , col: 21) mass_by_Ntower_548
Entries 79
Mean 0.1644
RMS 0.1125
invariant mass sorted by North 549 tower (row: 25 , col: 22) mass_by_Ntower_549
Entries 4
Mean 0.06031
RMS 0.04283
invariant mass [GeV]

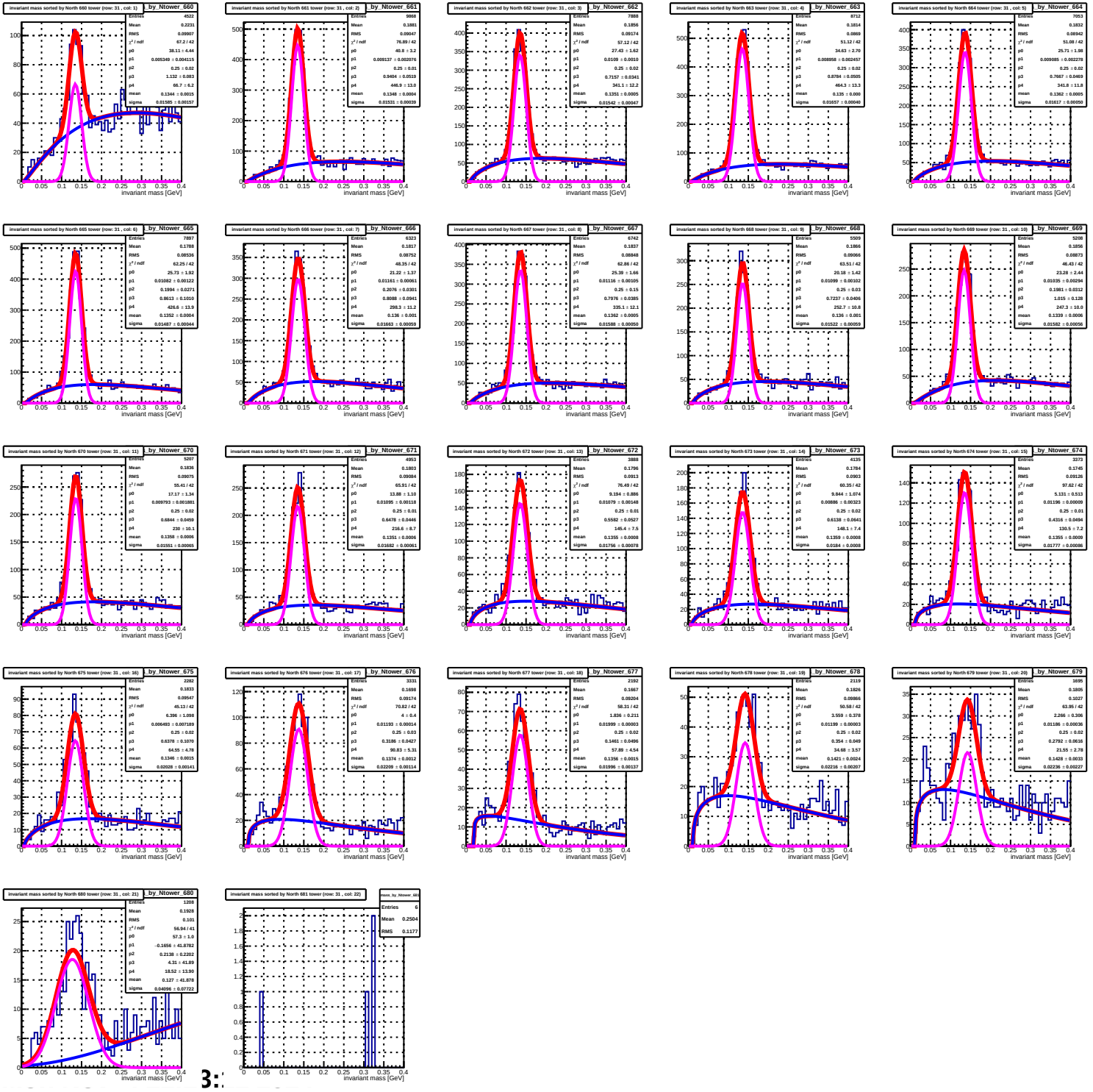

invariant mass sorted by North 550 tower (row: 26 , col: 1)
_by_Ntower_550
Entries 13319
Mean 0.2184
RMS 0.09742
χ² / ndf 38.67 / 42
p0 188.1 ± 7.7
p1 0.009244 ± 0.001888
p2 0.1973 ± 0.0179
p3 1.115 ± 0.086
p4 162 ± 10.9
mean 0.1333 ± 0.0011
sigma 0.0161 ± 0.0011
invariant mass sorted by North 551 tower (row: 26 , col: 2)
_by_Ntower_551
Entries 15273
Mean 0.2071
RMS 0.09529
χ² / ndf 37.57 / 42
p0 110.3 ± 6.7
p1 0.009535 ± 0.001717
p2 0.181 ± 0.016
p3 1.154 ± 0.084
p4 367.5 ± 14.2
mean 0.1346 ± 0.0006
sigma 0.01623 ± 0.00085
invariant mass sorted by North 552 tower (row: 26 , col: 3)
_by_Ntower_552
Entries 16150
Mean 0.1973
RMS 0.09401
χ² / ndf 66.08 / 42
p0 90.93 ± 4.95
p1 0.009858 ± 0.001259
p2 0.1993 ± 0.0177
p3 0.9598 ± 0.0715
p4 458.2 ± 14.6
mean 0.1349 ± 0.0006
sigma 0.01851 ± 0.00063
invariant mass sorted by North 553 tower (row: 26 , col: 4)
_by_Ntower_553
Entries 14192
Mean 0.1934
RMS 0.09168
χ² / ndf 52.42 / 42
p0 93.06 ± 5.43
p1 0.008817 ± 0.001729
p2 0.1591 ± 0.0130
p3 1.139 ± 0.088
p4 503.6 ± 15.5
mean 0.1343 ± 0.0005
sigma 0.01738 ± 0.00056
invariant mass sorted by North 554 tower (row: 26 , col: 5)
_by_Ntower_554
Entries 13673
Mean 0.1922
RMS 0.08994
χ² / ndf 55.35 / 42
p0 99.09 ± 11.92
p1 0.009909 ± 0.001372
p2 0.141 ± 0.011
p3 1.25 ± 0.09
p4 507.8 ± 15.0
mean 0.1351 ± 0.0005
sigma 0.0174 ± 0.0005
invariant mass sorted by North 555 tower (row: 26 , col: 6)
_by_Ntower_555
Entries 12886
Mean 0.192
RMS 0.08981
χ² / ndf 59.7 / 42
p0 97.75 ± 13.74
p1 0.007927 ± 0.002301
p2 0.1456 ± 0.0126
p3 1.269 ± 0.108
p4 526.2 ± 15.5
mean 0.1357 ± 0.0005
sigma 0.01709 ± 0.00053
invariant mass sorted by North 556 tower (row: 26 , col: 7)
_by_Ntower_556
Entries 11241
Mean 0.1919
RMS 0.08923
χ² / ndf 51.8 / 42
p0 98.93 ± 17.47
p1 0.007228 ± 0.002938
p2 0.1359 ± 0.0117
p3 1.386 ± 0.126
p4 642.3 ± 13.4
mean 0.1348 ± 0.0005
sigma 0.01809 ± 0.00057
invariant mass sorted by North 557 tower (row: 26 , col: 8)
_by_Ntower_557
Entries 11529
Mean 0.1944
RMS 0.09029
χ² / ndf 82.83 / 42
p0 91.07 ± 12.44
p1 0.008999 ± 0.002111
p2 0.1445 ± 0.0122
p3 1.293 ± 0.105
p4 498.2 ± 15.7
mean 0.136 ± 0.000
sigma 0.01515 ± 0.00047
invariant mass sorted by North 558 tower (row: 26 , col: 9)
_by_Ntower_558
Entries 10839
Mean 0.1938
RMS 0.08882
χ² / ndf 39.31 / 42
p0 106.2 ± 23.7
p1 0.005102 ± 0.003777
p2 0.1337 ± 0.0131
p3 1.456 ± 0.159
p4 474.2 ± 15.0
mean 0.1343 ± 0.0005
sigma 0.01539 ± 0.00048
invariant mass sorted by North 559 tower (row: 26 , col: 10)
_by_Ntower_559
Entries 9403
Mean 0.1939
RMS 0.08959
χ² / ndf 55.23 / 42
p0 102.3 ± 28.1
p1 0.002666 ± 0.004475
p2 0.1357 ± 0.0162
p3 1.556 ± 0.186
p4 397.5 ± 13.2
mean 0.1349 ± 0.0005
sigma 0.01724 ± 0.00056
invariant mass sorted by North 560 tower (row: 26 , col: 11)
_by_Ntower_560
Entries 7782
Mean 0.1923
RMS 0.0905
χ² / ndf 42.7 / 42
p0 48.69 ± 5.74
p1 0.01045 ± 0.00185
p2 0.1606 ± 0.0167
p3 1.144 ± 0.105
p4 334.8 ± 12.7
mean 0.1352 ± 0.0005
sigma 0.01561 ± 0.00058
invariant mass sorted by North 561 tower (row: 26 , col: 12)
_by_Ntower_561
Entries 6420
Mean 0.1901
RMS 0.08942
χ² / ndf 44.46 / 42
p0 35 ± 4.2
p1 0.01027 ± 0.00174
p2 0.185 ± 0.028
p3 1.044 ± 0.137
p4 284.3 ± 11.2
mean 0.1351 ± 0.0006
sigma 0.01651 ± 0.00062
invariant mass sorted by North 562 tower (row: 26 , col: 13)
_by_Ntower_562
Entries 6792
Mean 0.1907
RMS 0.08986
χ² / ndf 46.76 / 42
p0 43.06 ± 9.06
p1 0.005394 ± 0.004476
p2 0.1641 ± 0.0252
p3 1.215 ± 0.186
p4 292.2 ± 12.0
mean 0.1344 ± 0.0006
sigma 0.01591 ± 0.00066
invariant mass sorted by North 563 tower (row: 26 , col: 14)
_by_Ntower_563
Entries 6699
Mean 0.1909
RMS 0.09186
χ² / ndf 45.29 / 42
p0 34.92 ± 2.71
p1 0.009082 ± 0.002048
p2 0.25 ± 0.01
p3 0.8973 ± 0.0510
p4 285.3 ± 10.3
mean 0.1344 ± 0.0006
sigma 0.01708 ± 0.00053
invariant mass sorted by North 564 tower (row: 26 , col: 15)
_by_Ntower_564
Entries 4905
Mean 0.1922
RMS 0.09308
χ² / ndf 52.15 / 42
p0 26.42 ± 2.94
p1 0.006613 ± 0.004303
p2 0.25 ± 0.02
p3 0.9315 ± 0.0757
p4 207.2 ± 9.2
mean 0.1352 ± 0.0007
sigma 0.01699 ± 0.00074
invariant mass sorted by North 565 tower (row: 26 , col: 16)
_by_Ntower_565
Entries 3227
Mean 0.1886
RMS 0.08936
χ² / ndf 43.1 / 42
p0 17.76 ± 5.17
p1 0.004696 ± 0.007448
p2 0.1799 ± 0.0439
p3 1.142 ± 0.283
p4 135.5 ± 7.4
mean 0.1364 ± 0.0009
sigma 0.01793 ± 0.00098
invariant mass sorted by North 566 tower (row: 26 , col: 17)
_by_Ntower_566
Entries 2667
Mean 0.1918
RMS 0.09224
χ² / ndf 49.66 / 42
p0 11.25 ± 1.33
p1 0.01007 ± 0.00237
p2 0.25 ± 0.03
p3 0.7827 ± 0.0725
p4 102.5 ± 6.5
mean 0.1376 ± 0.0010
sigma 0.01672 ± 0.00096
invariant mass sorted by North 567 tower (row: 26 , col: 18)
_by_Ntower_567
Entries 2855
Mean 0.1912
RMS 0.09508
χ² / ndf 54.13 / 42
p0 10.93 ± 1.73
p1 0.008841 ± 0.003597
p2 0.25 ± 0.01
p3 0.8033 ± 0.1007
p4 95.55 ± 5.75
mean 0.1368 ± 0.0011
sigma 0.01896 ± 0.00100
invariant mass sorted by North 568 tower (row: 26 , col: 19)
_by_Ntower_568
Entries 2369
Mean 0.1914
RMS 0.09839
χ² / ndf 68.97 / 42
p0 6.578 ± 0.804
p1 0.01152 ± 0.00088
p2 0.25 ± 0.01
p3 0.5921 ± 0.0672
p4 61.89 ± 4.74
mean 0.1383 ± 0.0015
sigma 0.01956 ± 0.00133
invariant mass sorted by North 569 tower (row: 26 , col: 20)
_by_Ntower_569
Entries 952
Mean 0.186
RMS 0.1025
χ² / ndf 41.55 / 41
p0 15.69 ± 17.06
p1 -1.368 ± 0.169
p2 0.1288 ± 0.0343
p3 15.58 ± 4.29
p4 26.82 ± 2.91
mean 0.124 ± 0.002
sigma 0.02025 ± 0.00200
invariant mass sorted by North 570 tower (row: 26 , col: 21)
_by_Ntower_570
Entries 1370
Mean 0.2091
RMS 0.1034
χ² / ndf 37.98 / 42
p0 22.9 ± 18.1
p1 -0.0704 ± 0.0832
p2 0.25 ± 0.18
p3 1.858 ± 0.880
p4 23.25 ± 2.82
mean 0.128 ± 0.003
sigma 0.0278 ± 0.0043
invariant mass sorted by North 571 tower (row: 26 , col: 22)
mass_by_Ntower_571
Entries 31
Mean 0.2183
RMS 0.1021
invariant mass [GeV]

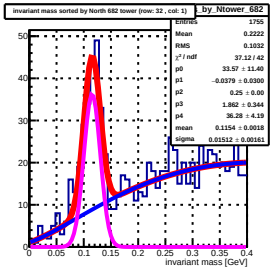

invariant mass sorted by North 572 tower (row: 27 , col: 1) _by_Ntower_572
Entries 10395
Mean 0.2187
RMS 0.09798
χ² / ndf 40.12 / 42
p0 81.03 ± 4.35
p1 0.01049 ± 0.00113
p2 0.25 ± 0.23
p3 0.9798 ± 0.0367
p4 123.4 ± 8.1
mean 0.1341 ± 0.0014
sigma 0.02041 ± 0.00150
invariant mass sorted by North 573 tower (row: 27 , col: 2) _by_Ntower_573
Entries 15383
Mean 0.2027
RMS 0.09432
χ² / ndf 55.06 / 42
p0 96.57 ± 5.25
p1 0.009184 ± 0.001759
p2 0.2246 ± 0.0259
p3 1.016 ± 0.091
p4 440.3 ± 14.3
mean 0.1359 ± 0.0005
sigma 0.02771 ± 0.00059
invariant mass sorted by North 574 tower (row: 27 , col: 3) _by_Ntower_574
Entries 12067
Mean 0.2009
RMS 0.09591
χ² / ndf 54.69 / 42
p0 71.6 ± 3.8
p1 0.009739 ± 0.001491
p2 0.2468 ± 0.1690
p3 0.8704 ± 0.0853
p4 333.9 ± 13.0
mean 0.1337 ± 0.0006
sigma 0.01776 ± 0.00074
invariant mass sorted by North 575 tower (row: 27 , col: 4) _by_Ntower_575
Entries 11491
Mean 0.1948
RMS 0.09218
χ² / ndf 41.2 / 42
p0 65.86 ± 5.60
p1 0.01003 ± 0.00133
p2 0.1812 ± 0.0186
p3 1.021 ± 0.093
p4 382.9 ± 13.4
mean 0.1345 ± 0.0006
sigma 0.01733 ± 0.00061
invariant mass sorted by North 576 tower (row: 27 , col: 5) _by_Ntower_576
Entries 10579
Mean 0.1937
RMS 0.09061
χ² / ndf 68.62 / 42
p0 81.71 ± 11.24
p1 0.009628 ± 0.002340
p2 0.1437 ± 0.0121
p3 1.298 ± 0.105
p4 400.5 ± 13.5
mean 0.1351 ± 0.0005
sigma 0.01702 ± 0.00057
invariant mass sorted by North 577 tower (row: 27 , col: 6) _by_Ntower_577
Entries 10841
Mean 0.1935
RMS 0.09045
χ² / ndf 41.91 / 42
p0 67.62 ± 5.70
p1 0.01111 ± 0.00102
p2 0.171 ± 0.015
p3 1.112 ± 0.081
p4 456.1 ± 14.2
mean 0.1354 ± 0.0005
sigma 0.0164 ± 0.0005
invariant mass sorted by North 578 tower (row: 27 , col: 7) _by_Ntower_578
Entries 11610
Mean 0.1912
RMS 0.08977
χ² / ndf 58.7 / 42
p0 77.32 ± 11.30
p1 0.007152 ± 0.002774
p2 0.1559 ± 0.0160
p3 1.212 ± 0.122
p4 492.9 ± 15.2
mean 0.1362 ± 0.0004
sigma 0.01666 ± 0.00052
invariant mass sorted by North 579 tower (row: 27 , col: 8) _by_Ntower_579
Entries 11122
Mean 0.1921
RMS 0.08901
χ² / ndf 60.02 / 42
p0 92.72 ± 16.44
p1 0.006934 ± 0.002901
p2 0.1386 ± 0.0126
p3 1.389 ± 0.139
p4 477.2 ± 15.1
mean 0.1351 ± 0.0005
sigma 0.01613 ± 0.00051
invariant mass sorted by North 580 tower (row: 27 , col: 9) _by_Ntower_580
Entries 8961
Mean 0.1921
RMS 0.09079
χ² / ndf 28.75 / 42
p0 49.91 ± 3.17
p1 0.0113 ± 0.0008
p2 0.1992 ± 0.0227
p3 0.9835 ± 0.0879
p4 394.8 ± 13.4
mean 0.1359 ± 0.0005
sigma 0.01578 ± 0.00050
invariant mass sorted by North 581 tower (row: 27 , col: 10) _by_Ntower_581
Entries 6604
Mean 0.1959
RMS 0.09205
χ² / ndf 53.4 / 42
p0 41.77 ± 4.35
p1 0.009052 ± 0.002440
p2 0.1996 ± 0.0307
p3 1.044 ± 0.136
p4 265.7 ± 11.0
mean 0.1354 ± 0.0006
sigma 0.01694 ± 0.00070
invariant mass sorted by North 582 tower (row: 27 , col: 11) _by_Ntower_582
Entries 5964
Mean 0.1958
RMS 0.09135
χ² / ndf 68.68 / 42
p0 75.99 ± 32.73
p1 -0.00504 ± 0.00899
p2 0.1259 ± 0.0178
p3 1.628 ± 0.294
p4 240.5 ± 11.4
mean 0.1352 ± 0.0006
sigma 0.0151 ± 0.0007
invariant mass sorted by North 583 tower (row: 27 , col: 12) _by_Ntower_583
Entries 5504
Mean 0.193
RMS 0.09235
χ² / ndf 77.56 / 42
p0 32.88 ± 3.18
p1 0.007174 ± 0.003217
p2 0.25 ± 0.62
p3 0.963 ± 0.065
p4 248.7 ± 9.9
mean 0.1355 ± 0.0006
sigma 0.01705 ± 0.00062
invariant mass sorted by North 584 tower (row: 27 , col: 13) _by_Ntower_584
Entries 5027
Mean 0.1926
RMS 0.09227
χ² / ndf 52.54 / 42
p0 28.24 ± 3.30
p1 0.006443 ± 0.006668
p2 0.24 ± 0.19
p3 0.9345 ± 0.2269
p4 210.9 ± 9.7
mean 0.1353 ± 0.0007
sigma 0.01661 ± 0.00076
invariant mass sorted by North 585 tower (row: 27 , col: 14) _by_Ntower_585
Entries 4857
Mean 0.1854
RMS 0.09125
χ² / ndf 41.59 / 42
p0 18.39 ± 1.28
p1 0.01161 ± 0.00058
p2 0.25 ± 0.05
p3 0.7289 ± 0.0395
p4 214.6 ± 9.6
mean 0.1339 ± 0.0007
sigma 0.01656 ± 0.00066
invariant mass sorted by North 586 tower (row: 27 , col: 15) _by_Ntower_586
Entries 3784
Mean 0.1874
RMS 0.09127
χ² / ndf 34.72 / 42
p0 15.92 ± 1.87
p1 0.007477 ± 0.003993
p2 0.25 ± 0.03
p3 0.7921 ± 0.0753
p4 140.4 ± 7.0
mean 0.1348 ± 0.0009
sigma 0.01912 ± 0.00087
invariant mass sorted by North 587 tower (row: 27 , col: 16) _by_Ntower_587
Entries 3385
Mean 0.1881
RMS 0.09328
χ² / ndf 71.23 / 42
p0 13.65 ± 1.70
p1 0.009783 ± 0.002604
p2 0.25 ± 0.01
p3 0.809 ± 0.079
p4 135 ± 6.9
mean 0.1336 ± 0.0009
sigma 0.01787 ± 0.00081
invariant mass sorted by North 588 tower (row: 27 , col: 17) _by_Ntower_588
Entries 2698
Mean 0.1915
RMS 0.0936
χ² / ndf 40.26 / 41
p0 10.55 ± 1.48
p1 0.01465 ± 0.00533
p2 0.25 ± 0.03
p3 0.7218 ± 0.0890
p4 90.96 ± 6.67
mean 0.1342 ± 0.0011
sigma 0.01699 ± 0.00128
invariant mass sorted by North 589 tower (row: 27 , col: 18) _by_Ntower_589
Entries 2689
Mean 0.1872
RMS 0.09749
χ² / ndf 56.58 / 42
p0 6.812 ± 0.717
p1 0.01127 ± 0.00169
p2 0.25 ± 0.01
p3 0.5482 ± 0.0567
p4 73.59 ± 5.45
mean 0.1363 ± 0.0013
sigma 0.01875 ± 0.00130
invariant mass sorted by North 590 tower (row: 27 , col: 19) _by_Ntower_590
Entries 2466
Mean 0.1949
RMS 0.1014
χ² / ndf 69.14 / 42
p0 6.985 ± 0.850
p1 0.0114 ± 0.0010
p2 0.25 ± 0.01
p3 0.6129 ± 0.0684
p4 61.05 ± 4.99
mean 0.1361 ± 0.0015
sigma 0.0186 ± 0.0014
invariant mass sorted by North 591 tower (row: 27 , col: 20) _by_Ntower_591
Entries 1276
Mean 0.1817
RMS 0.1021
χ² / ndf 47 / 42
p0 38.36 ± 28.55
p1 -1.346 ± 0.426
p2 0.1217 ± 0.0414
p3 15.46 ± 8.56
p4 31.38 ± 2.96
mean 0.1239 ± 0.0022
sigma 0.02437 ± 0.00238
invariant mass sorted by North 592 tower (row: 27 , col: 21) _by_Ntower_592
Entries 824
Mean 0.1762
RMS 0.103
χ² / ndf 39.31 / 42
p0 5.866 ± 5.646
p1 -1.316 ± 0.230
p2 0.1388 ± 0.0310
p3 15.52 ± 4.93
p4 28.1 ± 2.9
mean 0.1175 ± 0.0018
sigma 0.02034 ± 0.00187
invariant mass sorted by North 593 tower (row: 27 , col: 22)
mass_by_Ntower_593
Entries 55
Mean 0.2015
RMS 0.1176
invariant mass [GeV]

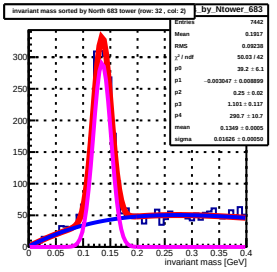

invariant mass sorted by North 594 tower (row: 28 , col: 1)
_by_Ntower_594
Entries 8283
Mean 0.2201
RMS 0.09833
χ² / ndf 44.47 / 42
p0 64.2 ± 3.7
p1 0.01086 ± 0.00104
p2 0.25 ± 0.02
p3 0.9948 ± 0.0373
p4 113.6 ± 8.3
mean 0.1338 ± 0.0012
sigma 0.01693 ± 0.00128
invariant mass sorted by North 595 tower (row: 28 , col: 2)
_by_Ntower_595
Entries 11464
Mean 0.2032
RMS 0.09427
χ² / ndf 31.06 / 42
p0 84.45 ± 12.16
p1 0.002791 ± 0.005392
p2 0.2099 ± 0.0343
p3 1.197 ± 0.184
p4 344.2 ± 12.3
mean 0.1344 ± 0.0006
sigma 0.01721 ± 0.00059
invariant mass sorted by North 596 tower (row: 28 , col: 3)
_by_Ntower_596
Entries 9546
Mean 0.2005
RMS 0.09378
χ² / ndf 47.38 / 42
p0 59.48 ± 6.30
p1 0.008628 ± 0.002234
p2 0.1879 ± 0.0236
p3 1.072 ± 0.120
p4 258.2 ± 10.9
mean 0.1351 ± 0.0007
sigma 0.01791 ± 0.00076
invariant mass sorted by North 597 tower (row: 28 , col: 4)
_by_Ntower_597
Entries 10381
Mean 0.1923
RMS 0.09195
χ² / ndf 47.69 / 42
p0 54.15 ± 4.96
p1 0.009398 ± 0.001849
p2 0.1881 ± 0.0226
p3 0.9907 ± 0.1065
p4 378.3 ± 12.7
mean 0.135 ± 0.001
sigma 0.01724 ± 0.00057
invariant mass sorted by North 598 tower (row: 28 , col: 5)
_by_Ntower_598
Entries 8914
Mean 0.192
RMS 0.09087
χ² / ndf 57.99 / 41
p0 43.06 ± 3.77
p1 0.016 ± 0.003
p2 0.1925 ± 0.0234
p3 0.9193 ± 0.1051
p4 382.3 ± 13.4
mean 0.1356 ± 0.0005
sigma 0.01557 ± 0.00056
invariant mass sorted by North 599 tower (row: 28 , col: 6)
_by_Ntower_599
Entries 9304
Mean 0.1901
RMS 0.08956
χ² / ndf 51.07 / 42
p0 54.25 ± 7.57
p1 0.00694 ± 0.00309
p2 0.1752 ± 0.0223
p3 1.121 ± 0.137
p4 406 ± 13.5
mean 0.1358 ± 0.0005
sigma 0.01653 ± 0.00053
invariant mass sorted by North 600 tower (row: 28 , col: 7)
_by_Ntower_600
Entries 9793
Mean 0.1889
RMS 0.08816
χ² / ndf 61.39 / 42
p0 66.11 ± 9.29
p1 0.01049 ± 0.00163
p2 0.1404 ± 0.0129
p3 1.277 ± 0.105
p4 461.7 ± 14.0
mean 0.1353 ± 0.0005
sigma 0.01641 ± 0.00050
invariant mass sorted by North 601 tower (row: 28 , col: 8)
_by_Ntower_601
Entries 9636
Mean 0.1907
RMS 0.08898
χ² / ndf 51.05 / 42
p0 63.65 ± 9.28
p1 0.008639 ± 0.002360
p2 0.1608 ± 0.0184
p3 1.224 ± 0.128
p4 433.4 ± 13.4
mean 0.1353 ± 0.0005
sigma 0.01648 ± 0.00051
invariant mass sorted by North 602 tower (row: 28 , col: 9)
_by_Ntower_602
Entries 7007
Mean 0.1956
RMS 0.09034
χ² / ndf 43.32 / 42
p0 58.33 ± 13.05
p1 0.00637 ± 0.00368
p2 0.1429 ± 0.0172
p3 1.36 ± 0.17
p4 282.6 ± 11.9
mean 0.1368 ± 0.0006
sigma 0.01533 ± 0.00063
invariant mass sorted by North 603 tower (row: 28 , col: 10)
_by_Ntower_603
Entries 5722
Mean 0.1941
RMS 0.09044
χ² / ndf 53.99 / 42
p0 57.97 ± 21.13
p1 0.002222 ± 0.005761
p2 0.1282 ± 0.0187
p3 1.507 ± 0.249
p4 211.8 ± 10.5
mean 0.1347 ± 0.0007
sigma 0.0162 ± 0.0009
invariant mass sorted by North 604 tower (row: 28 , col: 11)
_by_Ntower_604
Entries 5260
Mean 0.1936
RMS 0.09161
χ² / ndf 37.75 / 42
p0 39.71 ± 5.79
p1 0.006052 ± 0.004759
p2 0.1847 ± 0.0328
p3 1.07 ± 0.19
p4 214.2 ± 9.9
mean 0.1358 ± 0.0007
sigma 0.01564 ± 0.00068
invariant mass sorted by North 605 tower (row: 28 , col: 12)
_by_Ntower_605
Entries 5070
Mean 0.1948
RMS 0.09096
χ² / ndf 62.98 / 42
p0 62.81 ± 31.02
p1 -0.004161 ± 0.011652
p2 0.1338 ± 0.0229
p3 1.686 ± 0.356
p4 204.9 ± 9.2
mean 0.1337 ± 0.0007
sigma 0.01693 ± 0.00072
invariant mass sorted by North 606 tower (row: 28 , col: 13)
_by_Ntower_606
Entries 4321
Mean 0.1906
RMS 0.09051
χ² / ndf 43.57 / 42
p0 20.3 ± 1.7
p1 0.01056 ± 0.00205
p2 0.2403 ± 0.1809
p3 0.859 ± 0.172
p4 188.3 ± 9.1
mean 0.1351 ± 0.0007
sigma 0.01569 ± 0.00071
invariant mass sorted by North 607 tower (row: 28 , col: 14)
_by_Ntower_607
Entries 4259
Mean 0.1913
RMS 0.09291
χ² / ndf 54.69 / 42
p0 21.45 ± 2.82
p1 0.005335 ± 0.005523
p2 0.25 ± 0.02
p3 0.9137 ± 0.0992
p4 180.8 ± 8.6
mean 0.1345 ± 0.0007
sigma 0.01695 ± 0.00077
invariant mass sorted by North 608 tower (row: 28 , col: 15)
_by_Ntower_608
Entries 3434
Mean 0.1867
RMS 0.09256
χ² / ndf 34.35 / 42
p0 12.5 ± 1.4
p1 0.009351 ± 0.002648
p2 0.25 ± 0.01
p3 0.7355 ± 0.0674
p4 139.8 ± 7.1
mean 0.1371 ± 0.0008
sigma 0.01792 ± 0.00079
invariant mass sorted by North 609 tower (row: 28 , col: 16)
_by_Ntower_609
Entries 3040
Mean 0.1779
RMS 0.08791
χ² / ndf 42.54 / 42
p0 8.412 ± 0.771
p1 0.01166 ± 0.00061
p2 0.25 ± 0.05
p3 0.0182 ± 0.0486
p4 123.2 ± 6.4
mean 0.1354 ± 0.0009
sigma 0.01922 ± 0.00085
invariant mass sorted by North 610 tower (row: 28 , col: 17)
_by_Ntower_610
Entries 2497
Mean 0.1822
RMS 0.09029
χ² / ndf 41.62 / 42
p0 6.329 ± 0.667
p1 0.01108 ± 0.00135
p2 0.25 ± 0.15
p3 0.5591 ± 0.0564
p4 84.85 ± 5.54
mean 0.1375 ± 0.0012
sigma 0.01817 ± 0.00100
invariant mass sorted by North 611 tower (row: 28 , col: 18)
_by_Ntower_611
Entries 2517
Mean 0.1809
RMS 0.09039
χ² / ndf 50.19 / 41
p0 5.555 ± 0.790
p1 0.01618 ± 0.00508
p2 0.25 ± 0.03
p3 0.5173 ± 0.0815
p4 79.05 ± 5.06
mean 0.1375 ± 0.0012
sigma 0.01917 ± 0.00106
invariant mass sorted by North 612 tower (row: 28 , col: 19)
_by_Ntower_612
Entries 1966
Mean 0.1875
RMS 0.09642
χ² / ndf 64.42 / 42
p0 49.26 ± 22.79
p1 -0.3862 ± 0.4389
p2 0.25 ± 0.17
p3 3.806 ± 3.829
p4 55.57 ± 4.01
mean 0.1366 ± 0.0015
sigma 0.02276 ± 0.00150
invariant mass sorted by North 613 tower (row: 28 , col: 20)
_by_Ntower_613
Entries 1853
Mean 0.1921
RMS 0.1006
χ² / ndf 43.3 / 42
p0 45.58 ± 15.74
p1 -0.4773 ± 1.0017
p2 0.25 ± 0.21
p3 4.091 ± 6.419
p4 37.7 ± 3.4
mean 0.1368 ± 0.0021
sigma 0.0252 ± 0.0024
invariant mass sorted by North 614 tower (row: 28 , col: 21)
_by_Ntower_614
Entries 1211
Mean 0.2009
RMS 0.1028
χ² / ndf 51.29 / 42
p0 48.98 ± 126.10
p1 -1.22 ± 0.59
p2 0.1196 ± 0.0319
p3 15.97 ± 9.67
p4 18.35 ± 2.16
mean 0.1353 ± 0.0034
sigma 0.02996 ± 0.00380
invariant mass sorted by North 615 tower (row: 28 , col: 22)
mass_by_Ntower_615
Entries 92
Mean 0.2357
RMS 0.1143
invariant mass [GeV]

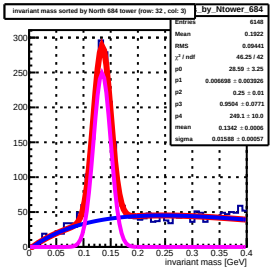

invariant mass sorted by North 616 tower (row: 29 , col: 1)
_by_Ntower_616
Entries 7207
Mean 0.2198
RMS 0.09804
χ² / ndf 33.97 / 42
p0 63.75 ± 8.25
p1 0.003117 ± 0.006198
p2 0.233 ± 0.044
p3 1.167 ± 0.205
p4 91.26 ± 6.97
mean 0.1338 ± 0.0016
sigma 0.01393 ± 0.00158
invariant mass sorted by North 617 tower (row: 29 , col: 2)
_by_Ntower_617
Entries 10124
Mean 0.196
RMS 0.09275
χ² / ndf 53.51 / 42
p0 53.21 ± 3.14
p1 0.01022 ± 0.00131
p2 0.25 ± 0.04
p3 0.9258 ± 0.0375
p4 358.7 ± 12.0
mean 0.1351 ± 0.0005
sigma 0.01702 ± 0.00052
invariant mass sorted by North 618 tower (row: 29 , col: 3)
_by_Ntower_618
Entries 8524
Mean 0.1948
RMS 0.09416
χ² / ndf 39.69 / 42
p0 44.24 ± 3.11
p1 0.0083 ± 0.0023
p2 0.25 ± 0.02
p3 0.8734 ± 0.0461
p4 276.2 ± 10.1
mean 0.1343 ± 0.0006
sigma 0.01839 ± 0.00065
invariant mass sorted by North 619 tower (row: 29 , col: 4)
_by_Ntower_619
Entries 9097
Mean 0.1899
RMS 0.0902
χ² / ndf 28.06 / 42
p0 43.88 ± 3.08
p1 0.0106 ± 0.0013
p2 0.2017 ± 0.0262
p3 0.9576 ± 0.0996
p4 372.1 ± 12.5
mean 0.1358 ± 0.0005
sigma 0.01724 ± 0.00055
invariant mass sorted by North 620 tower (row: 29 , col: 5)
_by_Ntower_620
Entries 7023
Mean 0.1927
RMS 0.09135
χ² / ndf 70.65 / 42
p0 42.01 ± 6.59
p1 0.008538 ± 0.002709
p2 0.1637 ± 0.0220
p3 1.161 ± 0.142
p4 261.6 ± 11.4
mean 0.1352 ± 0.0006
sigma 0.01654 ± 0.00076
invariant mass sorted by North 621 tower (row: 29 , col: 6)
_by_Ntower_621
Entries 6824
Mean 0.1908
RMS 0.09071
χ² / ndf 41.46 / 42
p0 35.98 ± 4.04
p1 0.009337 ± 0.002307
p2 0.1805 ± 0.0236
p3 1.028 ± 0.120
p4 274.7 ± 10.9
mean 0.136 ± 0.001
sigma 0.01685 ± 0.00064
invariant mass sorted by North 622 tower (row: 29 , col: 7)
_by_Ntower_622
Entries 6899
Mean 0.1919
RMS 0.09058
χ² / ndf 55.38 / 42
p0 41.7 ± 7.4
p1 0.006073 ± 0.004047
p2 0.176 ± 0.028
p3 1.137 ± 0.175
p4 276.3 ± 10.9
mean 0.136 ± 0.001
sigma 0.01717 ± 0.00066
invariant mass sorted by North 623 tower (row: 29 , col: 8)
_by_Ntower_623
Entries 4340
Mean 0.187
RMS 0.09292
χ² / ndf 54.85 / 42
p0 24.95 ± 3.62
p1 0.00715 ± 0.00479
p2 0.2013 ± 0.0383
p3 1.054 ± 0.179
p4 205.7 ± 9.3
mean 0.1256 ± 0.0007
sigma 0.01661 ± 0.00071
invariant mass sorted by North 624 tower (row: 29 , col: 9)
_by_Ntower_624
Entries 5819
Mean 0.1853
RMS 0.09186
χ² / ndf 67.78 / 42
p0 42.01 ± 9.81
p1 0.004851 ± 0.004693
p2 0.1692 ± 0.0295
p3 1.242 ± 0.214
p4 201.5 ± 9.1
mean 0.1354 ± 0.0008
sigma 0.01847 ± 0.00082
invariant mass sorted by North 625 tower (row: 29 , col: 10)
_by_Ntower_625
Entries 4848
Mean 0.1933
RMS 0.09164
χ² / ndf 56.61 / 42
p0 31.17 ± 6.95
p1 0.003463 ± 0.006242
p2 0.1762 ± 0.0321
p3 1.157 ± 0.215
p4 205.2 ± 9.8
mean 0.1353 ± 0.0007
sigma 0.01542 ± 0.00070
invariant mass sorted by North 626 tower (row: 29 , col: 11)
_by_Ntower_626
Entries 5062
Mean 0.1938
RMS 0.09119
χ² / ndf 41.51 / 42
p0 31.6 ± 4.0
p1 0.008005 ± 0.003880
p2 0.2164 ± 0.0479
p3 1.11 ± 0.20
p4 218.3 ± 9.4
mean 0.1355 ± 0.0007
sigma 0.01713 ± 0.00069
invariant mass sorted by North 627 tower (row: 29 , col: 12)
_by_Ntower_627
Entries 4559
Mean 0.1895
RMS 0.09108
χ² / ndf 42.78 / 42
p0 20.3 ± 1.6
p1 0.011 ± 0.001
p2 0.2251 ± 0.0409
p3 0.868 ± 0.128
p4 202.8 ± 9.9
mean 0.134 ± 0.001
sigma 0.015 ± 0.001
invariant mass sorted by North 628 tower (row: 29 , col: 13)
_by_Ntower_628
Entries 5177
Mean 0.1879
RMS 0.09155
χ² / ndf 47.45 / 42
p0 21.41 ± 1.70
p1 0.01055 ± 0.00160
p2 0.25 ± 0.04
p3 0.7953 ± 0.0486
p4 209.7 ± 9.3
mean 0.1353 ± 0.0007
sigma 0.01727 ± 0.00072
invariant mass sorted by North 629 tower (row: 29 , col: 14)
_by_Ntower_629
Entries 4879
Mean 0.1859
RMS 0.09215
χ² / ndf 34.79 / 42
p0 15.54 ± 1.12
p1 0.01176 ± 0.00037
p2 0.25 ± 0.01
p3 0.6519 ± 0.0397
p4 186.2 ± 8.3
mean 0.137 ± 0.001
sigma 0.01724 ± 0.00067
invariant mass sorted by North 630 tower (row: 29 , col: 15)
_by_Ntower_630
Entries 2742
Mean 0.1862
RMS 0.09316
χ² / ndf 50.6 / 41
p0 44.54 ± 35.52
p1 −0.1812 ± 0.1854
p2 0.25 ± 0.21
p3 2.238 ± 1.260
p4 101.9 ± 5.8
mean 0.1346 ± 0.0011
sigma 0.02146 ± 0.00128
invariant mass sorted by North 631 tower (row: 29 , col: 16)
_by_Ntower_631
Entries 2293
Mean 0.1805
RMS 0.09099
χ² / ndf 64.25 / 42
p0 6.318 ± 0.944
p1 0.00882 ± 0.00424
p2 0.25 ± 0.02
p3 0.6421 ± 0.0917
p4 80.18 ± 4.90
mean 0.1344 ± 0.0013
sigma 0.02105 ± 0.00115
invariant mass sorted by North 632 tower (row: 29 , col: 17)
_by_Ntower_632
Entries 2194
Mean 0.1852
RMS 0.09433
χ² / ndf 78.86 / 41
p0 48.94 ± 11.21
p1 −0.5704 ± 0.8934
p2 0.2497 ± 0.2386
p3 4.08 ± 4.52
p4 66.81 ± 4.46
mean 0.1362 ± 0.0014
sigma 0.02241 ± 0.00138
invariant mass sorted by North 633 tower (row: 29 , col: 18)
_by_Ntower_633
Entries 2192
Mean 0.1874
RMS 0.09466
χ² / ndf 150.8 / 42
p0 100.4 ± 11.3
p1 −0.9293 ± 1.2275
p2 0.1461 ± 0.1867
p3 11.59 ± 21.85
p4 57.66 ± 4.13
mean 0.1351 ± 0.0017
sigma 0.02832 ± 0.00209
invariant mass sorted by North 634 tower (row: 29 , col: 19)
_by_Ntower_634
Entries 1411
Mean 0.1893
RMS 0.09823
χ² / ndf 61.73 / 42
p0 3.379 ± 0.474
p1 0.01053 ± 0.00222
p2 0.25 ± 0.04
p3 0.5076 ± 0.0742
p4 25.42 ± 2.97
mean 0.1383 ± 0.0029
sigma 0.02236 ± 0.00232
invariant mass sorted by North 635 tower (row: 29 , col: 20)
_by_Ntower_635
Entries 1336
Mean 0.1936
RMS 0.103
χ² / ndf 54.6 / 41
p0 10.51 ± 8.14
p1 −1.498 ± 0.198
p2 0.1637 ± 0.0285
p3 12.17 ± 2.33
p4 21.72 ± 2.34
mean 0.1399 ± 0.0027
sigma 0.02411 ± 0.00232
invariant mass sorted by North 636 tower (row: 29 , col: 21)
_by_Ntower_636
Entries 1403
Mean 0.2169
RMS 0.1014
χ² / ndf 37.91 / 41
p0 55.43 ± 65.13
p1 −1.249 ± 0.119
p2 0.1091 ± 0.0237
p3 18.55 ± 3.70
p4 18.03 ± 2.13
mean 0.15 ± 0.00
sigma 0.03142 ± 0.00379
invariant mass sorted by North 637 tower (row: 29 , col: 22)
mass_by_Ntower_637
Entries 81
Mean 0.2365
RMS 0.1083
invariant mass [GeV]

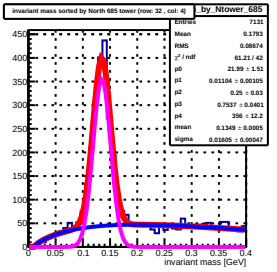

invariant mass sorted by North 638 tower (row: 30 , col: 1)
_by_Ntower_638
Entries 5265
Mean 0.217
RMS 0.09871
χ² / ndf 32.87 / 41
p0 40.58 ± 6.43
p1 0.0007394 ± 0.0104051
p2 0.25 ± 0.16
p3 1.658 ± 0.122
p4 70.96 ± 6.38
mean 0.1346 ± 0.0016
sigma 0.01064 ± 0.00230
invariant mass sorted by North 639 tower (row: 30 , col: 2)
_by_Ntower_639
Entries 10128
Mean 0.1908
RMS 0.0905
χ² / ndf 43.85 / 42
p0 45.5 ± 3.3
p1 0.009442 ± 0.002295
p2 0.2194 ± 0.0305
p3 0.9775 ± 0.1100
p4 399.9 ± 13.1
mean 0.1351 ± 0.0005
sigma 0.01603 ± 0.00049
invariant mass sorted by North 640 tower (row: 30 , col: 3)
_by_Ntower_640
Entries 7621
Mean 0.1914
RMS 0.09347
χ² / ndf 62.92 / 42
p0 37.92 ± 3.67
p1 0.005143 ± 0.003991
p2 0.25 ± 0.01
p3 0.9148 ± 0.0671
p4 297.6 ± 10.8
mean 0.1341 ± 0.0006
sigma 0.01752 ± 0.00058
invariant mass sorted by North 641 tower (row: 30 , col: 4)
_by_Ntower_641
Entries 9001
Mean 0.1814
RMS 0.08756
χ² / ndf 70.52 / 42
p0 31.7 ± 1.9
p1 0.01058 ± 0.00115
p2 0.25 ± 0.02
p3 0.7303 ± 0.0349
p4 467.2 ± 13.8
mean 0.1356 ± 0.0004
sigma 0.01618 ± 0.00042
invariant mass sorted by North 642 tower (row: 30 , col: 5)
_by_Ntower_642
Entries 6304
Mean 0.1893
RMS 0.09052
χ² / ndf 44.37 / 42
p0 33.8 ± 3.8
p1 0.006618 ± 0.004248
p2 0.214 ± 0.039
p3 1.017 ± 0.159
p4 285.6 ± 10.7
mean 0.1357 ± 0.0006
sigma 0.01707 ± 0.00059
invariant mass sorted by North 643 tower (row: 30 , col: 6)
_by_Ntower_643
Entries 6204
Mean 0.1886
RMS 0.08921
χ² / ndf 60.69 / 41
p0 25.67 ± 2.26
p1 0.0171 ± 0.0030
p2 0.219 ± 0.035
p3 0.8544 ± 0.1190
p4 287.5 ± 11.1
mean 0.1363 ± 0.0005
sigma 0.01633 ± 0.00061
invariant mass sorted by North 644 tower (row: 30 , col: 7)
_by_Ntower_644
Entries 6300
Mean 0.1887
RMS 0.08901
χ² / ndf 52.76 / 42
p0 33.57 ± 5.45
p1 0.007538 ± 0.003666
p2 0.1754 ± 0.0255
p3 1.101 ± 0.157
p4 302.2 ± 11.5
mean 0.1358 ± 0.0005
sigma 0.01532 ± 0.00054
invariant mass sorted by North 645 tower (row: 30 , col: 8)
_by_Ntower_645
Entries 6568
Mean 0.1887
RMS 0.08966
χ² / ndf 43.99 / 42
p0 33.44 ± 2.90
p1 0.008151 ± 0.003271
p2 0.2264 ± 0.0393
p3 0.9696 ± 0.1418
p4 331.7 ± 12.0
mean 0.1357 ± 0.0005
sigma 0.01548 ± 0.00051
invariant mass sorted by North 646 tower (row: 30 , col: 9)
_by_Ntower_646
Entries 5854
Mean 0.1872
RMS 0.08851
χ² / ndf 57.06 / 42
p0 30.38 ± 4.78
p1 0.007811 ± 0.004312
p2 0.183 ± 0.028
p3 1.102 ± 0.159
p4 283.7 ± 11.0
mean 0.1355 ± 0.0005
sigma 0.01593 ± 0.00058
invariant mass sorted by North 647 tower (row: 30 , col: 10)
_by_Ntower_647
Entries 5131
Mean 0.1886
RMS 0.0891
χ² / ndf 37.81 / 42
p0 27.15 ± 3.96
p1 0.009772 ± 0.002385
p2 0.1691 ± 0.0235
p3 1.112 ± 0.136
p4 227.5 ± 10.5
mean 0.1352 ± 0.0006
sigma 0.01579 ± 0.00072
invariant mass sorted by North 648 tower (row: 30 , col: 11)
_by_Ntower_648
Entries 4765
Mean 0.1868
RMS 0.08939
χ² / ndf 46.25 / 41
p0 19.07 ± 2.23
p1 0.01267 ± 0.00553
p2 0.25 ± 0.22
p3 0.7762 ± 0.0767
p4 212.2 ± 9.0
mean 0.1349 ± 0.0006
sigma 0.01654 ± 0.00064
invariant mass sorted by North 649 tower (row: 30 , col: 12)
_by_Ntower_649
Entries 5001
Mean 0.1862
RMS 0.09188
χ² / ndf 51.49 / 42
p0 21.38 ± 2.23
p1 0.007804 ± 0.003723
p2 0.25 ± 0.03
p3 0.8589 ± 0.0681
p4 216.1 ± 9.6
mean 0.1341 ± 0.0006
sigma 0.01641 ± 0.00069
invariant mass sorted by North 650 tower (row: 30 , col: 13)
_by_Ntower_650
Entries 5413
Mean 0.1781
RMS 0.0888
χ² / ndf 36.77 / 42
p0 14.23 ± 0.98
p1 0.01144 ± 0.00063
p2 0.25 ± 0.03
p3 0.5802 ± 0.0365
p4 238.5 ± 10.5
mean 0.1349 ± 0.0006
sigma 0.016 ± 0.001
invariant mass sorted by North 651 tower (row: 30 , col: 14)
_by_Ntower_651
Entries 4936
Mean 0.1823
RMS 0.09144
χ² / ndf 65.6 / 42
p0 14.58 ± 1.15
p1 0.01159 ± 0.00060
p2 0.25 ± 0.01
p3 0.6817 ± 0.0447
p4 191.7 ± 8.6
mean 0.1345 ± 0.0007
sigma 0.01781 ± 0.00077
invariant mass sorted by North 652 tower (row: 30 , col: 15)
_by_Ntower_652
Entries 2765
Mean 0.1837
RMS 0.09225
χ² / ndf 54.26 / 42
p0 8.03 ± 0.77
p1 0.01161 ± 0.00067
p2 0.25 ± 0.04
p3 0.6259 ± 0.0515
p4 97.6 ± 6.0
mean 0.136 ± 0.001
sigma 0.01815 ± 0.00100
invariant mass sorted by North 653 tower (row: 30 , col: 16)
_by_Ntower_653
Entries 2555
Mean 0.181
RMS 0.0922
χ² / ndf 53.11 / 41
p0 144.4 ± 176.4
p1 −1.355 ± 0.794
p2 0.1262 ± 0.0597
p3 13.51 ± 12.86
p4 92.04 ± 5.15
mean 0.1372 ± 0.0012
sigma 0.0208 ± 0.0010
invariant mass sorted by North 654 tower (row: 30 , col: 17)
_by_Ntower_654
Entries 2565
Mean 0.1777
RMS 0.09175
χ² / ndf 74.59 / 42
p0 4.742 ± 0.488
p1 0.01191 ± 0.00022
p2 0.25 ± 0.02
p3 0.4674 ± 0.0511
p4 83.42 ± 5.43
mean 0.1384 ± 0.0013
sigma 0.01934 ± 0.00111
invariant mass sorted by North 655 tower (row: 30 , col: 18)
_by_Ntower_655
Entries 2275
Mean 0.1701
RMS 0.09303
χ² / ndf 119.2 / 41
p0 19.54 ± 9.23
p1 −2.136 ± 0.496
p2 0.217 ± 0.014
p3 8.413 ± 1.369
p4 64.67 ± 4.57
mean 0.1367 ± 0.0015
sigma 0.0223 ± 0.0014
invariant mass sorted by North 656 tower (row: 30 , col: 19)
_by_Ntower_656
Entries 648
Mean 0.1853
RMS 0.09475
χ² / ndf 47.63 / 41
p0 0.8404 ± 0.2146
p1 0.01598 ± 0.01159
p2 0.25 ± 0.24
p3 0.2944 ± 0.1302
p4 22.37 ± 2.86
mean 0.1181 ± 0.0023
sigma 0.01958 ± 0.00238
invariant mass sorted by North 657 tower (row: 30 , col: 20)
_by_Ntower_657
Entries 791
Mean 0.1776
RMS 0.09973
χ² / ndf 53.06 / 42
p0 1.082 ± 0.224
p1 0.01141 ± 0.00147
p2 0.1583 ± 0.0567
p3 0.5543 ± 0.2137
p4 19.5 ± 3.0
mean 0.1342 ± 0.0029
sigma 0.01809 ± 0.00328
invariant mass sorted by North 658 tower (row: 30 , col: 21)
_by_Ntower_658
Entries 1255
Mean 0.1991
RMS 0.1032
χ² / ndf 51.27 / 41
p0 2.659 ± 0.445
p1 0.01981 ± 0.00052
p2 0.25 ± 0.01
p3 0.4287 ± 0.0836
p4 12.62 ± 2.49
mean 0.1506 ± 0.0045
sigma 0.01896 ± 0.00277
invariant mass sorted by North 659 tower (row: 30 , col: 22)
mass_by_Ntower_659
Entries 0
Mean 0
RMS 0
invariant mass [GeV]

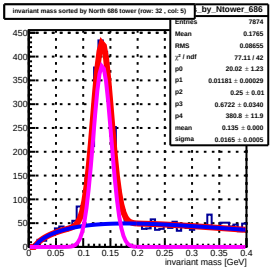

invariant mass sorted by North 660 tower (row: 31 , col: 1)
_by_Ntower_660
Entries 4522
Mean 0.2231
RMS 0.09907
χ² / ndf 67.2 / 42
p0 38.11 ± 4.44
p1 0.005349 ± 0.004115
p2 0.25 ± 0.02
p3 1.132 ± 0.083
p4 66.7 ± 6.2
mean 0.1344 ± 0.0015
sigma 0.01585 ± 0.00157
invariant mass sorted by North 661 tower (row: 31 , col: 2)
_by_Ntower_661
Entries 9868
Mean 0.1881
RMS 0.09047
χ² / ndf 76.89 / 42
p0 46.8 ± 3.2
p1 0.009137 ± 0.002076
p2 0.25 ± 0.01
p3 0.9404 ± 0.0519
p4 446.9 ± 13.0
mean 0.1348 ± 0.0004
sigma 0.01531 ± 0.00039
invariant mass sorted by North 662 tower (row: 31 , col: 3)
_by_Ntower_662
Entries 7888
Mean 0.1856
RMS 0.09174
χ² / ndf 57.12 / 42
p0 27.43 ± 1.62
p1 0.0109 ± 0.0010
p2 0.25 ± 0.02
p3 0.7157 ± 0.0341
p4 341.1 ± 12.2
mean 0.1351 ± 0.0005
sigma 0.01542 ± 0.00047
invariant mass sorted by North 663 tower (row: 31 , col: 4)
_by_Ntower_663
Entries 8712
Mean 0.1814
RMS 0.0869
χ² / ndf 51.12 / 42
p0 34.63 ± 2.70
p1 0.008958 ± 0.002457
p2 0.25 ± 0.02
p3 0.8784 ± 0.0505
p4 464.3 ± 13.3
mean 0.135 ± 0.000
sigma 0.01657 ± 0.00040
invariant mass sorted by North 664 tower (row: 31 , col: 5)
_by_Ntower_664
Entries 7053
Mean 0.1832
RMS 0.08942
χ² / ndf 51.08 / 42
p0 25.71 ± 1.98
p1 0.009085 ± 0.002278
p2 0.25 ± 0.02
p3 0.7667 ± 0.0469
p4 341.8 ± 11.8
mean 0.1362 ± 0.0005
sigma 0.01617 ± 0.00058
invariant mass sorted by North 665 tower (row: 31 , col: 6)
_by_Ntower_665
Entries 7897
Mean 0.1788
RMS 0.08536
χ² / ndf 62.25 / 42
p0 25.73 ± 1.92
p1 0.01082 ± 0.00122
p2 0.1994 ± 0.0271
p3 0.9613 ± 0.1010
p4 426.6 ± 13.9
mean 0.1352 ± 0.0004
sigma 0.01487 ± 0.00044
invariant mass sorted by North 666 tower (row: 31 , col: 7)
_by_Ntower_666
Entries 6323
Mean 0.1817
RMS 0.08752
χ² / ndf 48.35 / 42
p0 21.22 ± 1.37
p1 0.01161 ± 0.00061
p2 0.2076 ± 0.0301
p3 0.8088 ± 0.0941
p4 298.3 ± 11.2
mean 0.136 ± 0.001
sigma 0.01663 ± 0.00059
invariant mass sorted by North 667 tower (row: 31 , col: 8)
_by_Ntower_667
Entries 6742
Mean 0.1837
RMS 0.08848
χ² / ndf 62.86 / 42
p0 25.39 ± 1.66
p1 0.01116 ± 0.00105
p2 0.25 ± 0.15
p3 0.7976 ± 0.0385
p4 335.1 ± 12.1
mean 0.1362 ± 0.0005
sigma 0.01588 ± 0.00050
invariant mass sorted by North 668 tower (row: 31 , col: 9)
_by_Ntower_668
Entries 5509
Mean 0.1866
RMS 0.09066
χ² / ndf 63.51 / 42
p0 20.18 ± 1.42
p1 0.01099 ± 0.00102
p2 0.25 ± 0.03
p3 0.7237 ± 0.0406
p4 292.7 ± 10.8
mean 0.136 ± 0.001
sigma 0.01522 ± 0.00059
invariant mass sorted by North 669 tower (row: 31 , col: 10)
_by_Ntower_669
Entries 5208
Mean 0.1856
RMS 0.08873
χ² / ndf 46.43 / 42
p0 23.28 ± 2.44
p1 0.01035 ± 0.00294
p2 0.1981 ± 0.0312
p3 1.015 ± 0.128
p4 247.3 ± 10.0
mean 0.1339 ± 0.0006
sigma 0.01582 ± 0.00056
invariant mass sorted by North 670 tower (row: 31 , col: 11)
_by_Ntower_670
Entries 5207
Mean 0.1836
RMS 0.09075
χ² / ndf 55.41 / 42
p0 17.17 ± 1.34
p1 0.009793 ± 0.001881
p2 0.25 ± 0.02
p3 0.6844 ± 0.0459
p4 230 ± 10.1
mean 0.1358 ± 0.0006
sigma 0.01551 ± 0.00065
invariant mass sorted by North 671 tower (row: 31 , col: 12)
_by_Ntower_671
Entries 4953
Mean 0.1803
RMS 0.09084
χ² / ndf 65.91 / 42
p0 13.88 ± 1.10
p1 0.01095 ± 0.00118
p2 0.25 ± 0.01
p3 0.6478 ± 0.0446
p4 216.6 ± 8.7
mean 0.1351 ± 0.0006
sigma 0.01682 ± 0.00061
invariant mass sorted by North 672 tower (row: 31 , col: 13)
_by_Ntower_672
Entries 3888
Mean 0.1796
RMS 0.0913
χ² / ndf 76.49 / 42
p0 9.194 ± 0.886
p1 0.01079 ± 0.00148
p2 0.25 ± 0.01
p3 0.5582 ± 0.0527
p4 145.4 ± 7.5
mean 0.1355 ± 0.0008
sigma 0.01756 ± 0.00078
invariant mass sorted by North 673 tower (row: 31 , col: 14)
_by_Ntower_673
Entries 4135
Mean 0.1784
RMS 0.0903
χ² / ndf 60.35 / 42
p0 9.844 ± 1.074
p1 0.00886 ± 0.00323
p2 0.25 ± 0.02
p3 0.6138 ± 0.0641
p4 148.1 ± 7.4
mean 0.1359 ± 0.0008
sigma 0.0184 ± 0.0009
invariant mass sorted by North 674 tower (row: 31 , col: 15)
_by_Ntower_674
Entries 3373
Mean 0.1745
RMS 0.09126
χ² / ndf 97.62 / 42
p0 5.131 ± 0.513
p1 0.01196 ± 0.00009
p2 0.25 ± 0.01
p3 0.4316 ± 0.0494
p4 130.5 ± 7.2
mean 0.1355 ± 0.0009
sigma 0.01777 ± 0.00088
invariant mass sorted by North 675 tower (row: 31 , col: 16)
_by_Ntower_675
Entries 2282
Mean 0.1833
RMS 0.09547
χ² / ndf 45.13 / 42
p0 6.396 ± 1.098
p1 0.006493 ± 0.007189
p2 0.25 ± 0.02
p3 0.6378 ± 0.1070
p4 64.55 ± 4.78
mean 0.1346 ± 0.0015
sigma 0.02028 ± 0.00141
invariant mass sorted by North 676 tower (row: 31 , col: 17)
_by_Ntower_676
Entries 3331
Mean 0.1698
RMS 0.09174
χ² / ndf 70.82 / 42
p0 4 ± 0.4
p1 0.01193 ± 0.00014
p2 0.25 ± 0.03
p3 0.3196 ± 0.0427
p4 90.83 ± 5.31
mean 0.1374 ± 0.0012
sigma 0.02209 ± 0.00114
invariant mass sorted by North 677 tower (row: 31 , col: 18)
_by_Ntower_677
Entries 2192
Mean 0.1667
RMS 0.09204
χ² / ndf 58.31 / 42
p0 1.836 ± 0.211
p1 0.01999 ± 0.00003
p2 0.25 ± 0.02
p3 0.1461 ± 0.0496
p4 57.89 ± 4.54
mean 0.1356 ± 0.0015
sigma 0.01996 ± 0.00137
invariant mass sorted by North 678 tower (row: 31 , col: 19)
_by_Ntower_678
Entries 2119
Mean 0.1826
RMS 0.09866
χ² / ndf 50.58 / 42
p0 3.559 ± 0.378
p1 0.01199 ± 0.00003
p2 0.25 ± 0.02
p3 0.354 ± 0.049
p4 34.68 ± 3.57
mean 0.1421 ± 0.0024
sigma 0.02216 ± 0.00207
invariant mass sorted by North 679 tower (row: 31 , col: 20)
_by_Ntower_679
Entries 1695
Mean 0.1805
RMS 0.1027
χ² / ndf 63.95 / 42
p0 2.266 ± 0.306
p1 0.01186 ± 0.00036
p2 0.25 ± 0.02
p3 0.2792 ± 0.0616
p4 21.55 ± 2.78
mean 0.1428 ± 0.0033
sigma 0.02236 ± 0.00227
invariant mass sorted by North 680 tower (row: 31 , col: 21)
_by_Ntower_680
Entries 1208
Mean 0.1928
RMS 0.101
χ² / ndf 56.94 / 41
p0 57.3 ± 1.0
p1 -0.1656 ± 41.8782
p2 0.2138 ± 0.2202
p3 4.31 ± 41.89
p4 18.52 ± 13.90
mean 0.127 ± 41.878
sigma 0.04096 ± 0.07722
invariant mass sorted by North 681 tower (row: 31 , col: 22)
mass_by_Ntower_68
Entries 6
Mean 0.2504
RMS 0.1177
invariant mass [GeV]

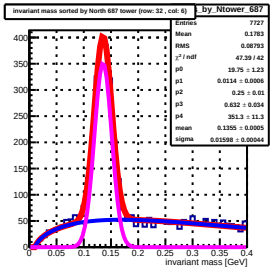

invariant mass sorted by North 682 tower (row: 32 , col: 1)
_by_Ntower_682
Entries 1755
Mean 0.2222
RMS 0.1032
χ² / ndf 37.12 / 42
p0 33.57 ± 11.40
p1 −0.0379 ± 0.0300
p2 0.25 ± 0.00
p3 1.862 ± 0.344
p4 36.28 ± 4.19
mean 0.1154 ± 0.0018
sigma 0.01512 ± 0.00161
invariant mass [GeV]

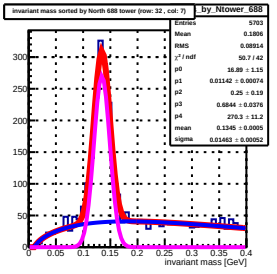

invariant mass sorted by North 683 tower (row: 32 , col: 2)
_by_Ntower_683
Entries 7442
Mean 0.1917
RMS 0.09238
χ² / ndf 50.03 / 42
p0 39.2 ± 6.1
p1 −0.003047 ± 0.008899
p2 0.25 ± 0.02
p3 1.101 ± 0.117
p4 290.7 ± 10.7
mean 0.1349 ± 0.0005
sigma 0.01628 ± 0.00050
invariant mass [GeV]

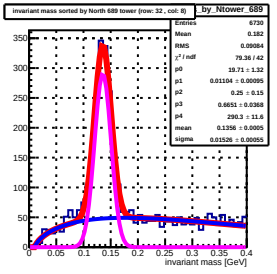

invariant mass sorted by North 684 tower (row: 32 , col: 3)
_by_Ntower_684
Entries 6148
Mean 0.1922
RMS 0.09441
χ² / ndf 46.25 / 42
p0 28.59 ± 3.25
p1 0.006698 ± 0.003926
p2 0.25 ± 0.01
p3 0.9504 ± 0.0771
p4 249.1 ± 10.0
mean 0.1342 ± 0.0006
sigma 0.01588 ± 0.00057
invariant mass [GeV]

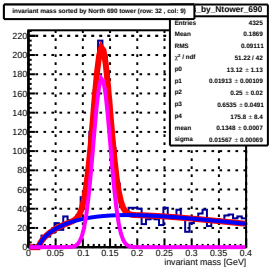

invariant mass sorted by North 685 tower (row: 32 , col: 4)
_by_Ntower_685
Entries 7131
Mean 0.1793
RMS 0.08674
χ² / ndf 61.21 / 42
p0 21.99 ± 1.51
p1 0.01104 ± 0.00105
p2 0.25 ± 0.03
p3 0.7537 ± 0.0401
p4 356 ± 12.2
mean 0.1349 ± 0.0005
sigma 0.01605 ± 0.00047
invariant mass [GeV]

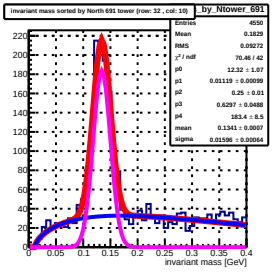

invariant mass sorted by North 686 tower (row: 32 , col: 5)
_by_Ntower_686
Entries 7874
Mean 0.1765
RMS 0.08655
χ² / ndf 77.11 / 42
p0 20.02 ± 1.23
p1 0.01181 ± 0.00029
p2 0.25 ± 0.01
p3 0.6722 ± 0.0340
p4 380.8 ± 11.9
mean 0.135 ± 0.000
sigma 0.0165 ± 0.0005
invariant mass [GeV]

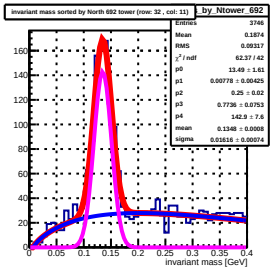

invariant mass sorted by North 687 tower (row: 32 , col: 6)
_by_Ntower_687
Entries 7727
Mean 0.1783
RMS 0.08793
χ² / ndf 47.39 / 42
p0 19.75 ± 1.23
p1 0.0114 ± 0.0006
p2 0.25 ± 0.01
p3 0.632 ± 0.034
p4 351.3 ± 11.3
mean 0.1355 ± 0.0005
sigma 0.01598 ± 0.00044
invariant mass [GeV]

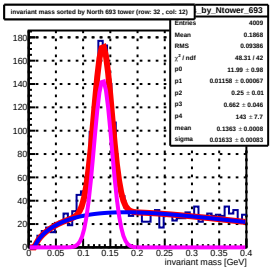

invariant mass sorted by North 688 tower (row: 32 , col: 7)
_by_Ntower_688
Entries 5703
Mean 0.1806
RMS 0.08914
χ² / ndf 50.7 / 42
p0 16.89 ± 1.15
p1 0.01142 ± 0.00074
p2 0.25 ± 0.19
p3 0.6644 ± 0.0376
p4 270.3 ± 11.2
mean 0.1345 ± 0.0005
sigma 0.01463 ± 0.00052
invariant mass [GeV]

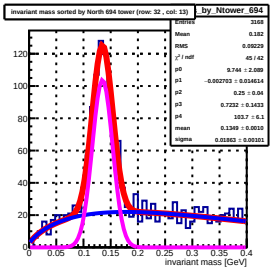

invariant mass sorted by North 689 tower (row: 32 , col: 8)
_by_Ntower_689
Entries 6730
Mean 0.182
RMS 0.09084
χ² / ndf 79.36 / 42
p0 19.71 ± 1.32
p1 0.01104 ± 0.00095
p2 0.25 ± 0.15
p3 0.6651 ± 0.0368
p4 290.3 ± 11.6
mean 0.1356 ± 0.0005
sigma 0.01526 ± 0.00055
invariant mass [GeV]

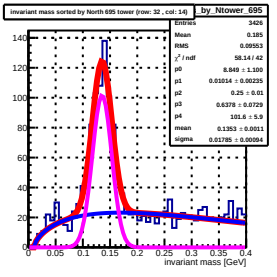

invariant mass sorted by North 690 tower (row: 32 , col: 9)
_by_Ntower_690
Entries 4325
Mean 0.1869
RMS 0.09111
χ² / ndf 51.22 / 42
p0 13.12 ± 1.13
p1 0.01913 ± 0.00109
p2 0.25 ± 0.02
p3 0.6535 ± 0.0401
p4 175.8 ± 8.4
mean 0.1348 ± 0.0007
sigma 0.01567 ± 0.00069
invariant mass [GeV]

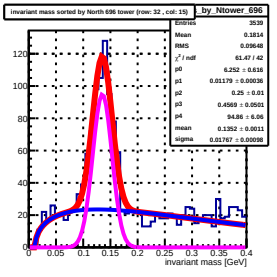

invariant mass sorted by North 691 tower (row: 32 , col: 10)
_by_Ntower_691
Entries 4650
Mean 0.1829
RMS 0.09272
χ² / ndf 70.46 / 42
p0 12.32 ± 1.07
p1 0.01119 ± 0.00099
p2 0.25 ± 0.01
p3 0.6297 ± 0.0488
p4 183.4 ± 8.5
mean 0.1341 ± 0.0007
sigma 0.01596 ± 0.00064
invariant mass [GeV]

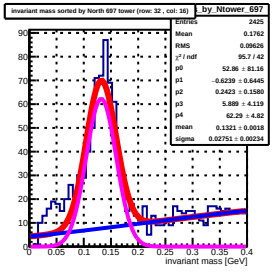

invariant mass sorted by North 692 tower (row: 32 , col: 11)
_by_Ntower_692
Entries 3746
Mean 0.1874
RMS 0.09317
χ² / ndf 62.37 / 42
p0 13.49 ± 1.61
p1 0.00778 ± 0.00425
p2 0.25 ± 0.02
p3 0.7736 ± 0.0753
p4 142.9 ± 7.6
mean 0.1348 ± 0.0008
sigma 0.01618 ± 0.00074
invariant mass [GeV]

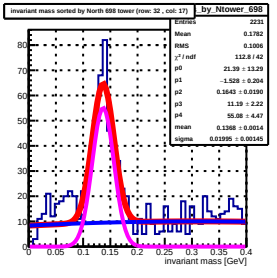

invariant mass sorted by North 693 tower (row: 32 , col: 12)
_by_Ntower_693
Entries 4009
Mean 0.1868
RMS 0.09386
χ² / ndf 48.31 / 42
p0 11.99 ± 0.98
p1 0.01158 ± 0.00067
p2 0.25 ± 0.01
p3 0.662 ± 0.046
p4 143 ± 7.7
mean 0.1363 ± 0.0008
sigma 0.01633 ± 0.00083
invariant mass [GeV]

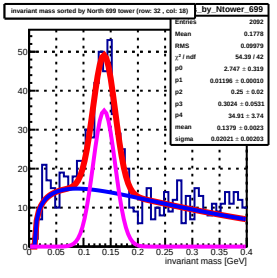

invariant mass sorted by North 694 tower (row: 32 , col: 13)
_by_Ntower_694
Entries 3168
Mean 0.182
RMS 0.09229
χ² / ndf 45 / 42
p0 9.744 ± 2.089
p1 −0.002703 ± 0.014614
p2 0.25 ± 0.04
p3 0.7232 ± 0.1433
p4 103.7 ± 6.1
mean 0.1349 ± 0.0010
sigma 0.01863 ± 0.00101
invariant mass [GeV]

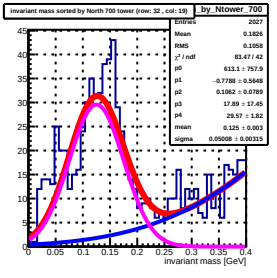

invariant mass sorted by North 695 tower (row: 32 , col: 14)
_by_Ntower_695
Entries 3426
Mean 0.185
RMS 0.09553
χ² / ndf 58.14 / 42
p0 8.849 ± 1.100
p1 0.01014 ± 0.00235
p2 0.25 ± 0.01
p3 0.6378 ± 0.0729
p4 101.6 ± 5.9
mean 0.1353 ± 0.0011
sigma 0.01785 ± 0.00094
invariant mass [GeV]

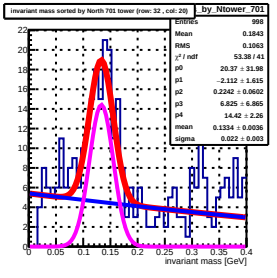

invariant mass sorted by North 696 tower (row: 32 , col: 15)
_by_Ntower_696
Entries 3539
Mean 0.1814
RMS 0.09648
χ² / ndf 61.47 / 42
p0 6.252 ± 0.616
p1 0.01179 ± 0.00036
p2 0.25 ± 0.01
p3 0.4569 ± 0.0501
p4 94.86 ± 6.06
mean 0.1352 ± 0.0011
sigma 0.01767 ± 0.00098
invariant mass [GeV]

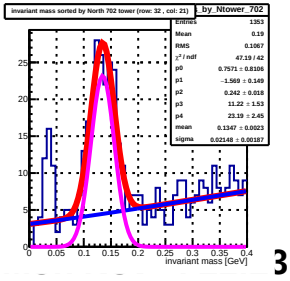

invariant mass sorted by North 697 tower (row: 32 , col: 16)
_by_Ntower_697
Entries 2425
Mean 0.1762
RMS 0.09626
χ² / ndf 95.7 / 42
p0 52.86 ± 81.16
p1 −0.6239 ± 0.6445
p2 0.2423 ± 0.1580
p3 5.889 ± 4.119
p4 62.29 ± 4.82
mean 0.1321 ± 0.0018
sigma 0.02751 ± 0.00234
invariant mass [GeV]

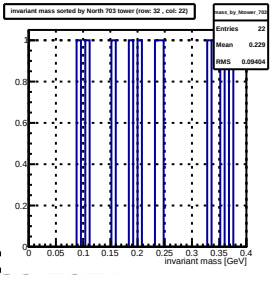

invariant mass sorted by North 698 tower (row: 32 , col: 17)
_by_Ntower_698
Entries 2231
Mean 0.1792
RMS 0.1006
χ² / ndf 112.8 / 42
p0 21.39 ± 13.29
p1 −1.528 ± 0.204
p2 0.1643 ± 0.0190
p3 11.19 ± 2.22
p4 55.08 ± 4.47
mean 0.1368 ± 0.0014
sigma 0.01995 ± 0.00145
invariant mass [GeV]

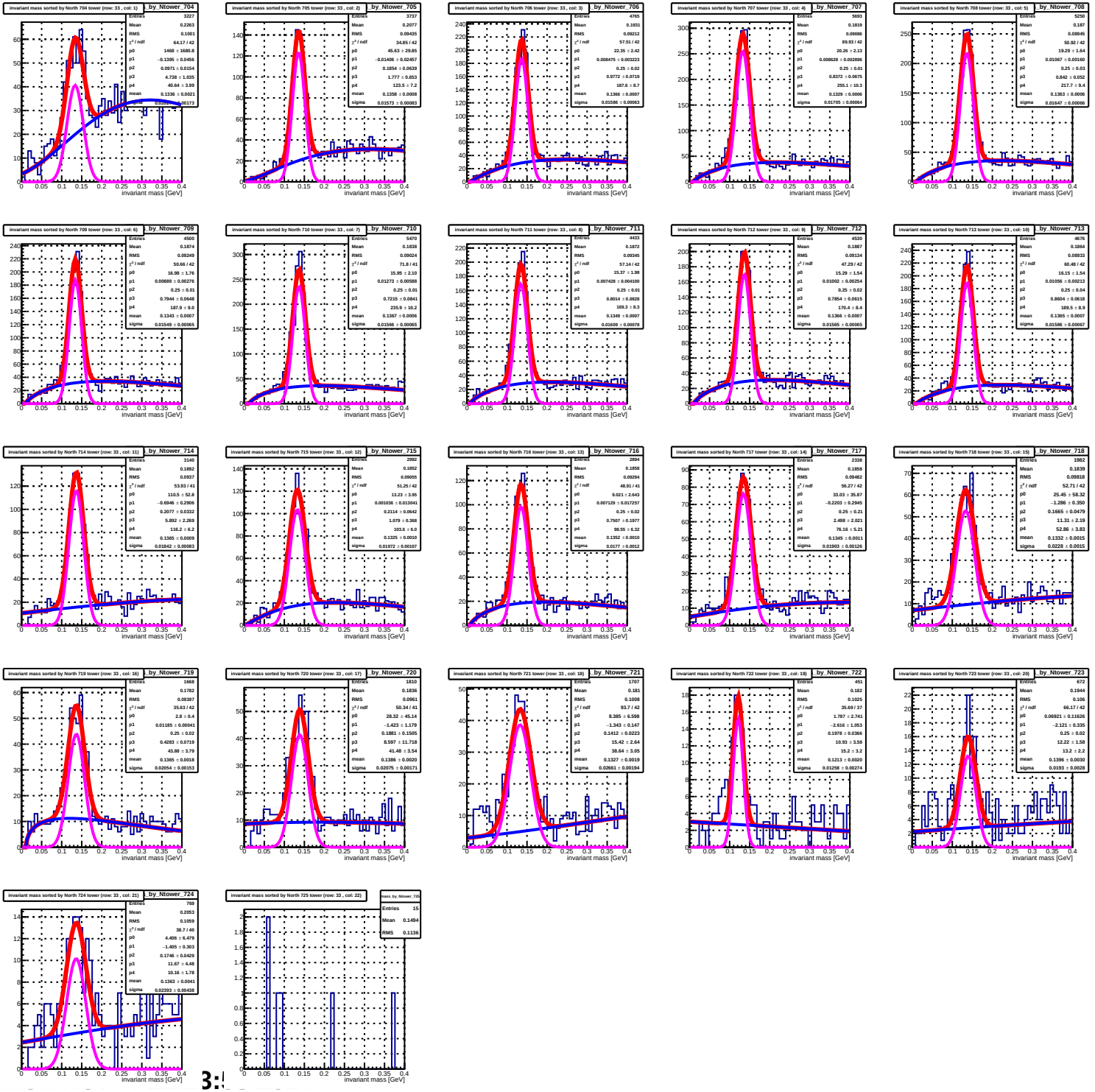

invariant mass sorted by North 699 tower (row: 32 , col: 18)
_by_Ntower_699
Entries 2092
Mean 0.1778
RMS 0.09979
χ² / ndf 54.39 / 42
p0 2.747 ± 0.319
p1 0.01196 ± 0.00010
p2 0.25 ± 0.02
p3 0.3024 ± 0.0531
p4 34.91 ± 3.74
mean 0.1379 ± 0.0023
sigma 0.02021 ± 0.00203
invariant mass [GeV]


invariant mass sorted by North 700 tower (row: 32 , col: 19)
_by_Ntower_700
Entries 2027
Mean 0.1826
RMS 0.1058
χ² / ndf 83.47 / 42
p0 613.1 ± 757.9
p1 −0.7788 ± 0.5648
p2 0.1062 ± 0.0789
p3 17.89 ± 17.45
p4 29.57 ± 1.82
mean 0.125 ± 0.003
sigma 0.05008 ± 0.00315
invariant mass [GeV]


invariant mass sorted by North 701 tower (row: 32 , col: 20)
_by_Ntower_701
Entries 998
Mean 0.1845
RMS 0.1063
χ² / ndf 53.38 / 41
p0 20.37 ± 31.98
p1 −2.112 ± 1.615
p2 0.2242 ± 0.0602
p3 6.825 ± 6.865
p4 14.42 ± 2.26
mean 0.1334 ± 0.0036
sigma 0.022 ± 0.003
invariant mass [GeV]


invariant mass sorted by North 702 tower (row: 32 , col: 21)
_by_Ntower_702
Entries 1353
Mean 0.19
RMS 0.1067
χ² / ndf 47.19 / 42
p0 0.7571 ± 0.8106
p1 −1.569 ± 0.149
p2 0.242 ± 0.018
p3 11.22 ± 1.53
p4 23.19 ± 2.45
mean 0.1347 ± 0.0023
sigma 0.02148 ± 0.00187
invariant mass [GeV]


invariant mass sorted by North 703 tower (row: 32 , col: 22)
mass_by_Ntower_703
Entries 22
Mean 0.229
RMS 0.09404
invariant mass [GeV]


invariant mass sorted by North 704 tower (row: 33 , col: 1)
_by_Ntower_704
Entries 3227
Mean 0.2263
RMS 0.1001
χ² / ndf 64.17 / 42
p0 1468 ± 1680.8
p1 −0.1395 ± 0.0456
p2 0.0971 ± 0.0154
p3 4.738 ± 1.035
p4 40.64 ± 3.99
mean 0.1336 ± 0.0021
sigma 0.01573 ± 0.00173
invariant mass sorted by North 705 tower (row: 33 , col: 2)
_by_Ntower_705
Entries 3737
Mean 0.2077
RMS 0.09435
χ² / ndf 34.85 / 42
p0 45.63 ± 29.85
p1 −0.01406 ± 0.02457
p2 0.1854 ± 0.0639
p3 1.777 ± 0.653
p4 123.5 ± 7.2
mean 0.1358 ± 0.0008
sigma 0.01573 ± 0.00083
invariant mass sorted by North 706 tower (row: 33 , col: 3)
_by_Ntower_706
Entries 4765
Mean 0.1931
RMS 0.09212
χ² / ndf 57.51 / 42
p0 22.35 ± 2.42
p1 0.008475 ± 0.003223
p2 0.25 ± 0.02
p3 0.9772 ± 0.0719
p4 187.6 ± 8.7
mean 0.1366 ± 0.0007
sigma 0.01586 ± 0.00063
invariant mass sorted by North 707 tower (row: 33 , col: 4)
_by_Ntower_707
Entries 5693
Mean 0.1819
RMS 0.09086
χ² / ndf 89.93 / 42
p0 20.26 ± 2.13
p1 0.008628 ± 0.002898
p2 0.25 ± 0.01
p3 0.8372 ± 0.0675
p4 255.1 ± 10.3
mean 0.1329 ± 0.0006
sigma 0.01705 ± 0.00054
invariant mass sorted by North 708 tower (row: 33 , col: 5)
_by_Ntower_708
Entries 5250
Mean 0.187
RMS 0.08945
χ² / ndf 50.92 / 42
p0 19.29 ± 1.64
p1 0.01067 ± 0.00160
p2 0.25 ± 0.03
p3 0.842 ± 0.052
p4 217.7 ± 9.4
mean 0.1363 ± 0.0006
sigma 0.01647 ± 0.00060
invariant mass sorted by North 709 tower (row: 33 , col: 6)
_by_Ntower_709
Entries 4500
Mean 0.1874
RMS 0.09249
χ² / ndf 50.66 / 42
p0 16.98 ± 1.76
p1 0.00889 ± 0.00276
p2 0.25 ± 0.01
p3 0.7944 ± 0.0648
p4 187.9 ± 9.0
mean 0.1343 ± 0.0007
sigma 0.01549 ± 0.00065
invariant mass sorted by North 710 tower (row: 33 , col: 7)
_by_Ntower_710
Entries 5470
Mean 0.1838
RMS 0.09024
χ² / ndf 71.8 / 41
p0 15.95 ± 2.10
p1 0.01273 ± 0.00588
p2 0.25 ± 0.01
p3 0.7215 ± 0.0841
p4 235.9 ± 10.2
mean 0.1367 ± 0.0006
sigma 0.01566 ± 0.00065
invariant mass sorted by North 711 tower (row: 33 , col: 8)
_by_Ntower_711
Entries 4433
Mean 0.1872
RMS 0.09345
χ² / ndf 57.14 / 42
p0 15.37 ± 1.98
p1 0.007428 ± 0.004100
p2 0.25 ± 0.01
p3 0.8014 ± 0.0828
p4 169.3 ± 8.3
mean 0.1349 ± 0.0007
sigma 0.01609 ± 0.00078
invariant mass sorted by North 712 tower (row: 33 , col: 9)
_by_Ntower_712
Entries 4530
Mean 0.1887
RMS 0.09134
χ² / ndf 47.29 / 42
p0 15.29 ± 1.54
p1 0.01002 ± 0.00254
p2 0.25 ± 0.02
p3 0.7854 ± 0.0815
p4 170.4 ± 8.4
mean 0.1366 ± 0.0007
sigma 0.01565 ± 0.00065
invariant mass sorted by North 713 tower (row: 33 , col: 10)
_by_Ntower_713
Entries 4676
Mean 0.1864
RMS 0.08933
χ² / ndf 60.48 / 42
p0 16.15 ± 1.54
p1 0.01056 ± 0.00213
p2 0.25 ± 0.04
p3 0.8604 ± 0.0618
p4 189.5 ± 8.9
mean 0.1365 ± 0.0007
sigma 0.01586 ± 0.00067
invariant mass sorted by North 714 tower (row: 33 , col: 11)
_by_Ntower_714
Entries 3140
Mean 0.1892
RMS 0.0937
χ² / ndf 53.93 / 41
p0 110.5 ± 52.8
p1 −0.6946 ± 0.2906
p2 0.2077 ± 0.0332
p3 5.892 ± 2.269
p4 116.2 ± 6.2
mean 0.1365 ± 0.0009
sigma 0.01842 ± 0.00083
invariant mass sorted by North 715 tower (row: 33 , col: 12)
_by_Ntower_715
Entries 2992
Mean 0.1852
RMS 0.09055
χ² / ndf 51.25 / 42
p0 13.23 ± 3.95
p1 0.001036 ± 0.013041
p2 0.2114 ± 0.0642
p3 1.079 ± 0.368
p4 103.6 ± 6.0
mean 0.1325 ± 0.0010
sigma 0.01972 ± 0.00107
invariant mass sorted by North 716 tower (row: 33 , col: 13)
_by_Ntower_716
Entries 2894
Mean 0.1858
RMS 0.09294
χ² / ndf 48.91 / 41
p0 9.021 ± 2.643
p1 0.007129 ± 0.017257
p2 0.25 ± 0.02
p3 0.7507 ± 0.1977
p4 98.55 ± 6.0
mean 0.1352 ± 0.0010
sigma 0.0177 ± 0.0012
invariant mass sorted by North 717 tower (row: 33 , col: 14)
_by_Ntower_717
Entries 2338
Mean 0.1858
RMS 0.09482
χ² / ndf 56.27 / 42
p0 33.03 ± 35.87
p1 −0.2203 ± 0.2945
p2 0.25 ± 0.21
p3 2.498 ± 2.021
p4 76.16 ± 5.21
mean 0.1345 ± 0.0011
sigma 0.01903 ± 0.00126
invariant mass sorted by North 718 tower (row: 33 , col: 15)
_by_Ntower_718
Entries 1982
Mean 0.1839
RMS 0.09818
χ² / ndf 52.71 / 42
p0 25.45 ± 58.33
p1 −1.286 ± 0.350
p2 0.1665 ± 0.0479
p3 11.31 ± 2.19
p4 52.86 ± 3.83
mean 0.1332 ± 0.0015
sigma 0.0228 ± 0.0015
invariant mass sorted by North 719 tower (row: 33 , col: 16)
_by_Ntower_719
Entries 1668
Mean 0.1782
RMS 0.09397
χ² / ndf 35.63 / 42
p0 2.8 ± 0.4
p1 0.01185 ± 0.00041
p2 0.25 ± 0.02
p3 0.4283 ± 0.0719
p4 43.88 ± 3.79
mean 0.1365 ± 0.0018
sigma 0.02054 ± 0.00153
invariant mass sorted by North 720 tower (row: 33 , col: 17)
_by_Ntower_720
Entries 1810
Mean 0.1836
RMS 0.0961
χ² / ndf 50.34 / 41
p0 28.32 ± 45.14
p1 −1.423 ± 1.179
p2 0.1881 ± 0.1505
p3 8.597 ± 11.718
p4 41.48 ± 3.54
mean 0.1386 ± 0.0020
sigma 0.02075 ± 0.00171
invariant mass sorted by North 721 tower (row: 33 , col: 18)
_by_Ntower_721
Entries 1707
Mean 0.181
RMS 0.1008
χ² / ndf 93.7 / 42
p0 8.385 ± 6.598
p1 −1.343 ± 0.147
p2 0.1412 ± 0.0223
p3 15.42 ± 2.64
p4 38.64 ± 3.05
mean 0.1327 ± 0.0019
sigma 0.02661 ± 0.00194
invariant mass sorted by North 722 tower (row: 33 , col: 19)
_by_Ntower_722
Entries 451
Mean 0.182
RMS 0.1025
χ² / ndf 35.69 / 37
p0 1.787 ± 2.741
p1 −2.616 ± 1.053
p2 0.1978 ± 0.0366
p3 16.93 ± 3.58
p4 15.2 ± 3.2
mean 0.1213 ± 0.0020
sigma 0.01258 ± 0.00274
invariant mass sorted by North 723 tower (row: 33 , col: 20)
_by_Ntower_723
Entries 672
Mean 0.1944
RMS 0.106
χ² / ndf 66.17 / 42
p0 0.06921 ± 0.11626
p1 −2.121 ± 0.335
p2 0.25 ± 0.02
p3 12.22 ± 1.58
p4 13.2 ± 2.2
mean 0.1396 ± 0.0030
sigma 0.0193 ± 0.0028
invariant mass sorted by North 724 tower (row: 33 , col: 21)
_by_Ntower_724
Entries 769
Mean 0.2053
RMS 0.1059
χ² / ndf 38.7 / 40
p0 4.406 ± 6.479
p1 −1.405 ± 0.303
p2 0.1746 ± 0.0429
p3 11.67 ± 4.48
p4 10.16 ± 1.78
mean 0.1363 ± 0.0041
sigma 0.02393 ± 0.00438
invariant mass sorted by North 725 tower (row: 33 , col: 22)
mass_by_Ntower_725
Entries 15
Mean 0.1494
RMS 0.1136
invariant mass [GeV]