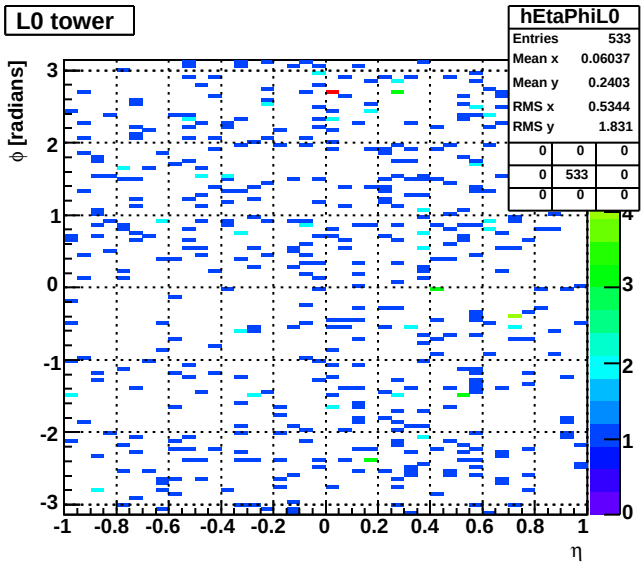
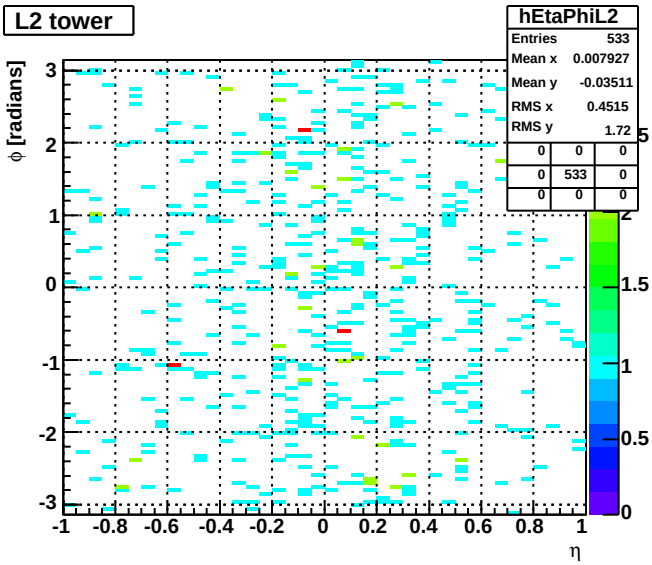
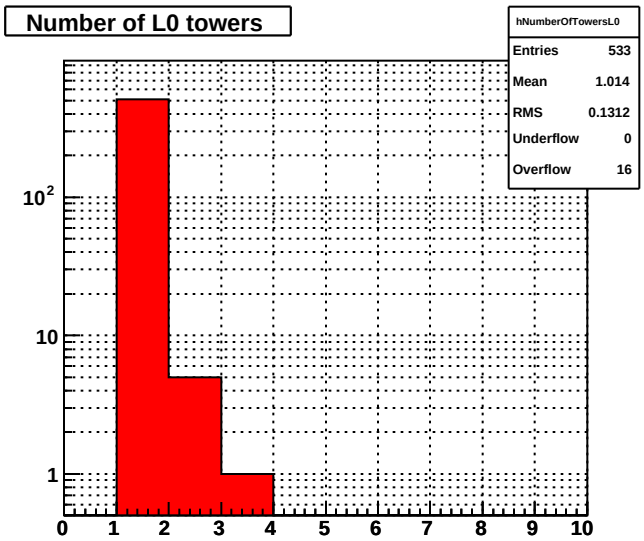
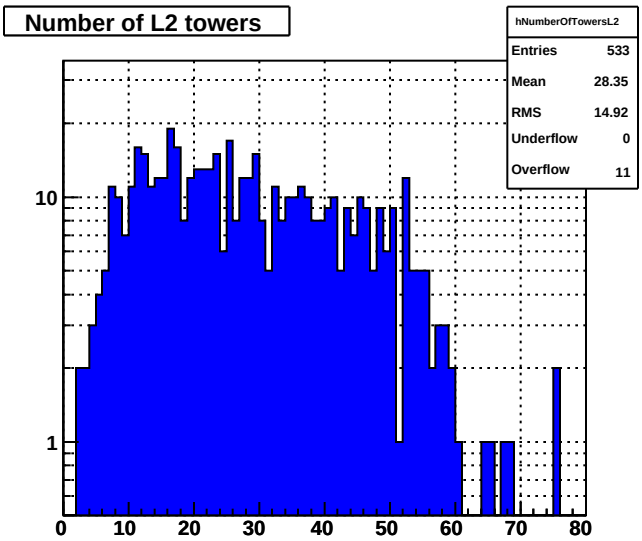
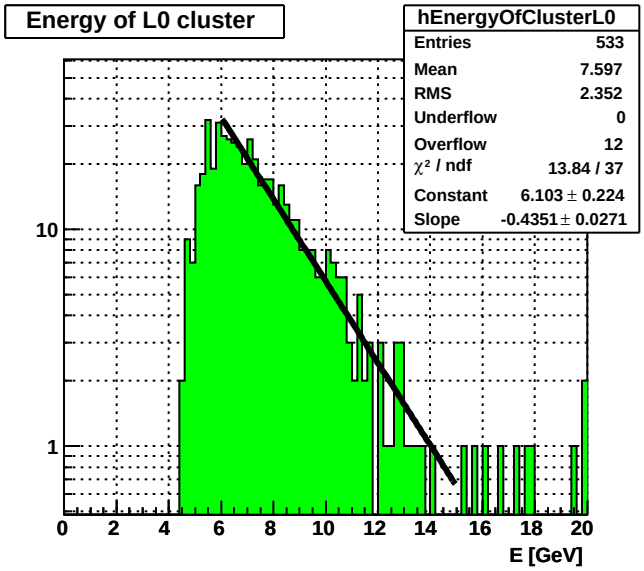
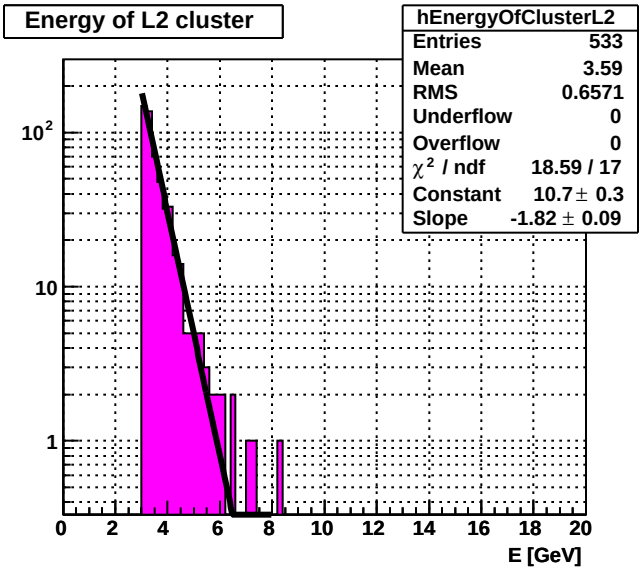

L0 tower
hEtaPhiL0
Entries 533
Mean x 0.06037
Mean y 0.2403
RMS x 0.5344
RMS y 1.831
φ [radians]
η

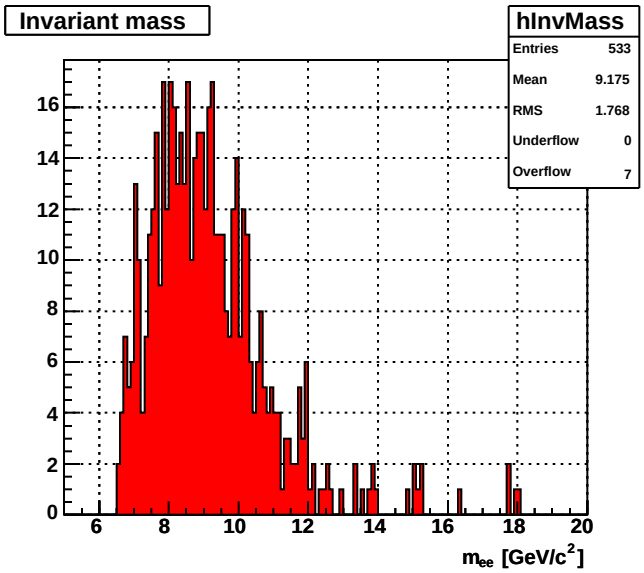

L2 tower
hEtaPhiL2
Entries 533
Mean x 0.007927
Mean y -0.03511
RMS x 0.4515
RMS y 1.72
φ [radians]
η

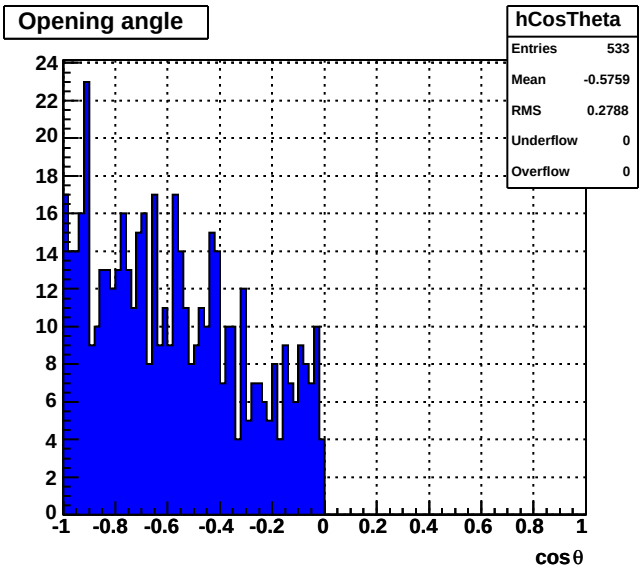

Number of L0 towers
hNumberOfTowersL0
Entries 533
Mean 1.014
RMS 0.1312
Underflow 0
Overflow 16

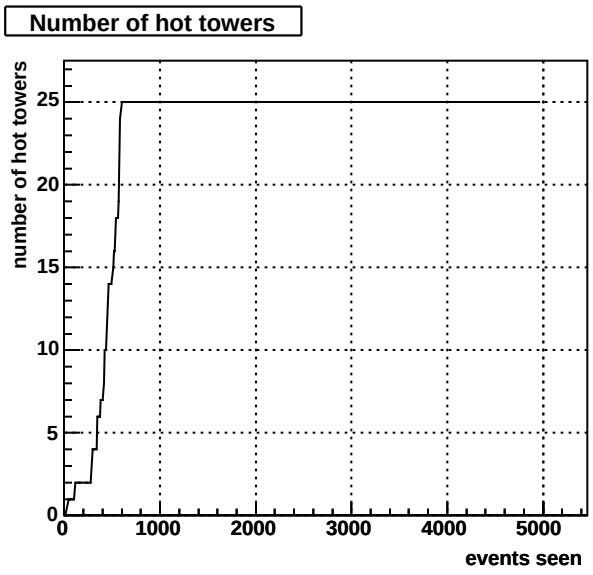

Number of L2 towers
hNumberOfTowersL2
Entries 533
Mean 28.35
RMS 14.92
Underflow 0
Overflow 11

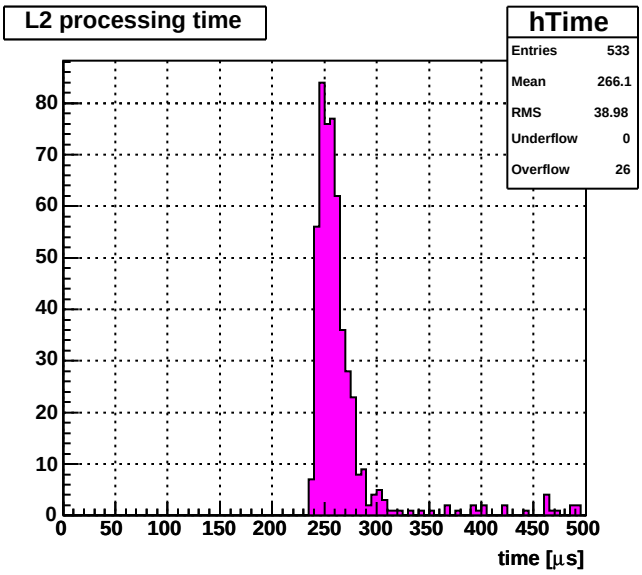

Energy of L0 cluster
hEnergyOfClusterL0
Entries 533
Mean 7.597
RMS 2.352
Underflow 0
Overflow 12
χ² / ndf 13.84 / 37
Constant 6.103 ± 0.224
Slope -0.4351 ± 0.0271
E [GeV]

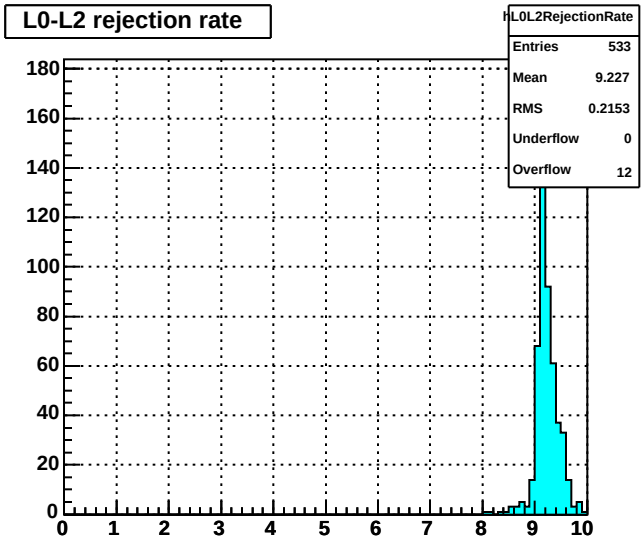

Energy of L2 cluster
hEnergyOfClusterL2
Entries 533
Mean 3.59
RMS 0.6571
Underflow 0
Overflow 0
χ² / ndf 18.59 / 17
Constant 10.7 ± 0.3
Slope -1.82 ± 0.09
E [GeV]

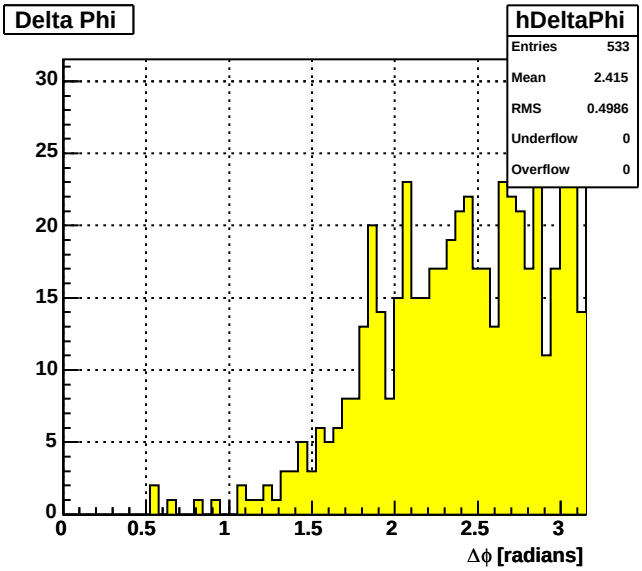

Invariant mass
hInvMass
Entries 533
Mean 9.175
RMS 1.768
Underflow 0
Overflow 7
m_{ee} [GeV/c^2]

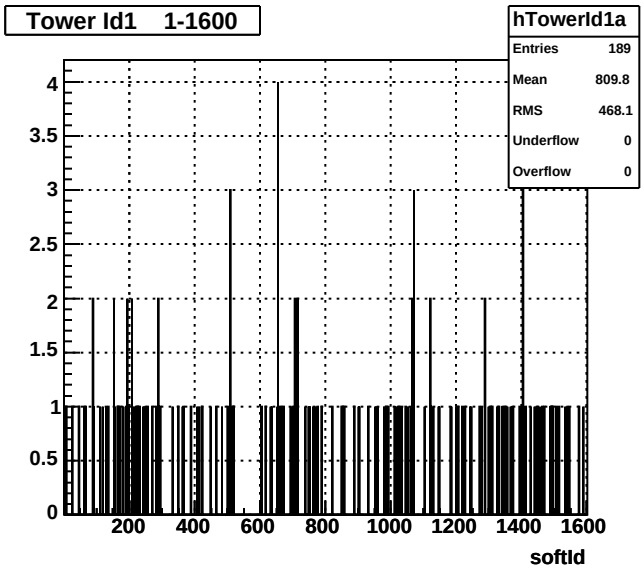

Opening angle
hCosTheta
Entries 533
Mean -0.5759
RMS 0.2788
Underflow 0
Overflow 0
cos θ

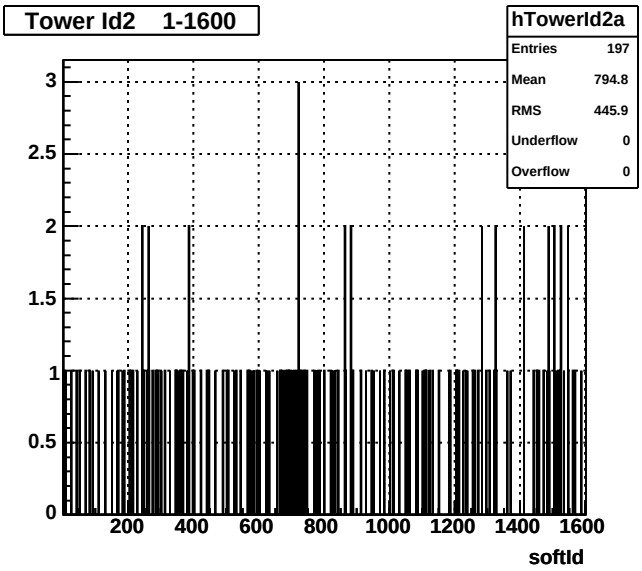

Number of hot towers
number of hot towers
events seen

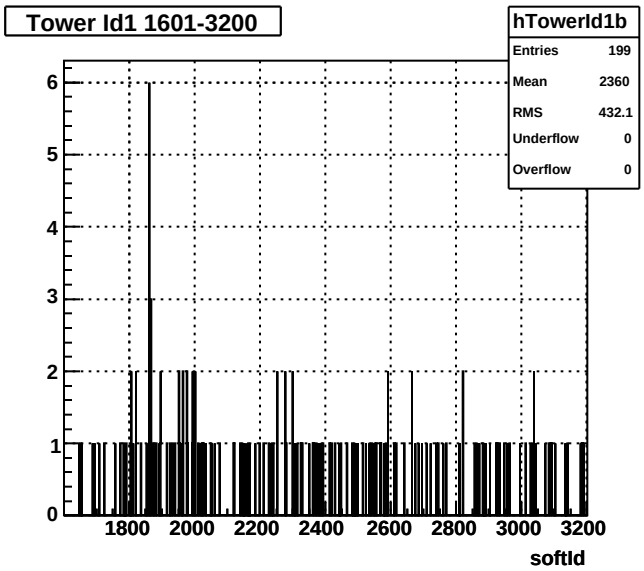

L2 processing time
hTime
Entries 533
Mean 266.1
RMS 38.98
Underflow 0
Overflow 26
time [μs]

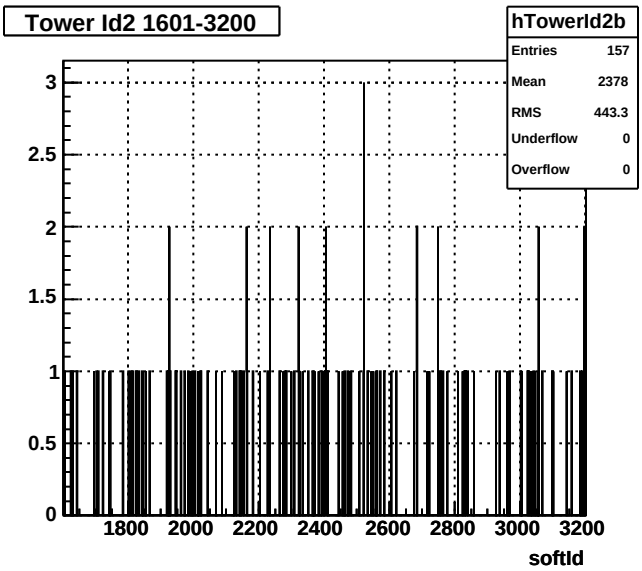

L0-L2 rejection rate
hL0L2RejectionRate
Entries 533
Mean 9.227
RMS 0.2153
Underflow 0
Overflow 12

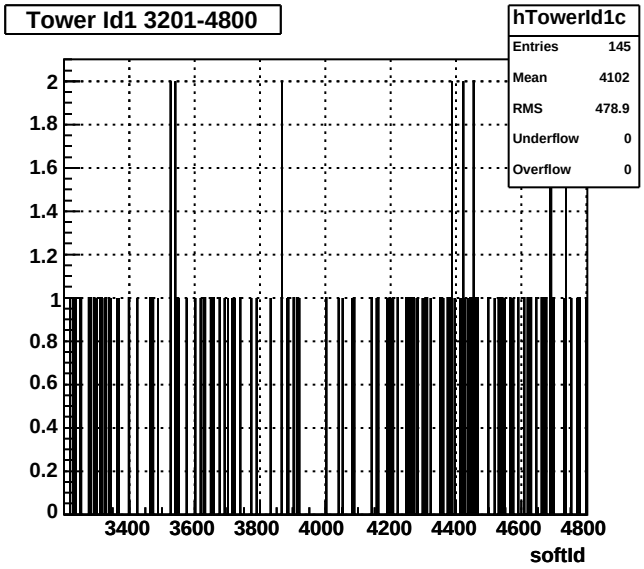

Delta Phi
hDeltaPhi
Entries 533
Mean 2.415
RMS 0.4986
Underflow 0
Overflow 0
Δφ [radians]

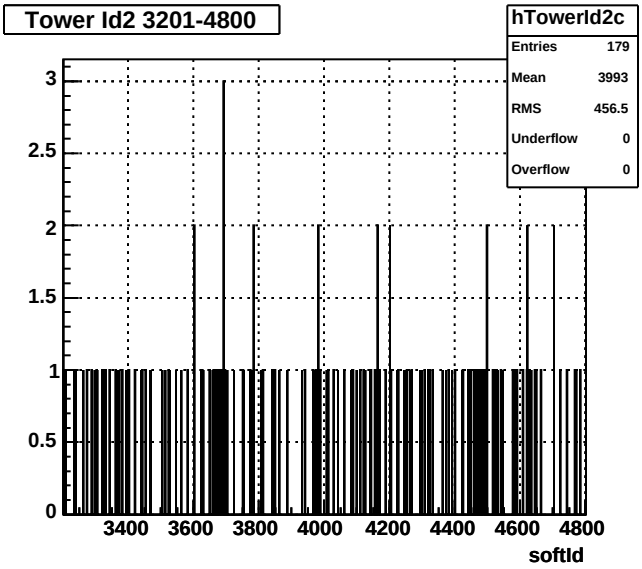

Tower Id1 1-1600
hTowerId1a
Entries 189
Mean 809.8
RMS 468.1
Underflow 0
Overflow 0
softId

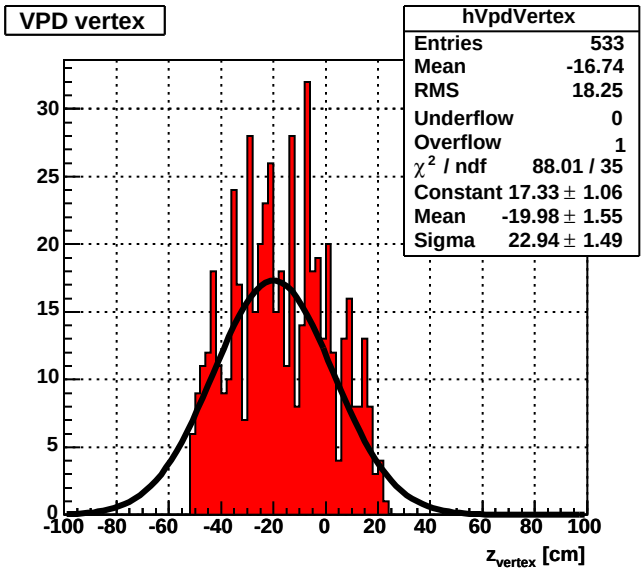

Tower Id2 1-1600
hTowerId2a
Entries 197
Mean 794.8
RMS 445.9
Underflow 0
Overflow 0
softId

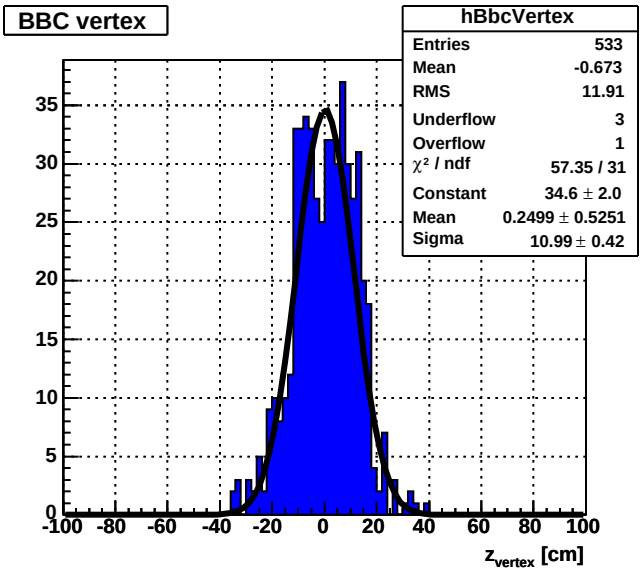

Tower Id1 1601-3200
hTowerId1b
Entries 199
Mean 2360
RMS 432.1
Underflow 0
Overflow 0
softId

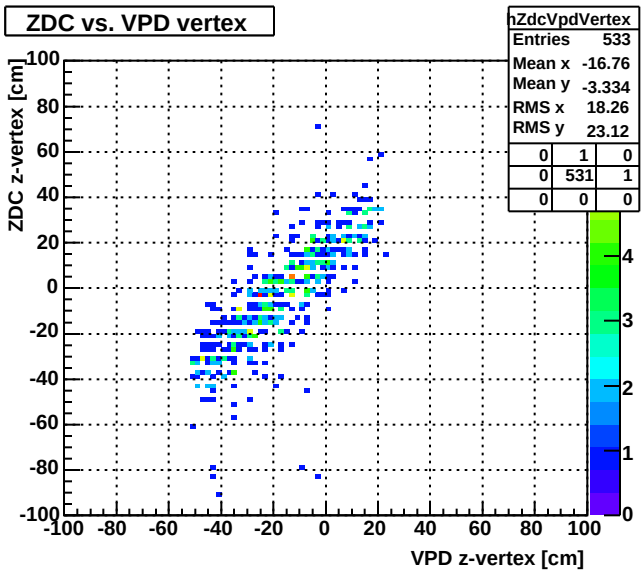

Tower Id2 1601-3200
hTowerId2b
Entries 157
Mean 2378
RMS 443.3
Underflow 0
Overflow 0
softId

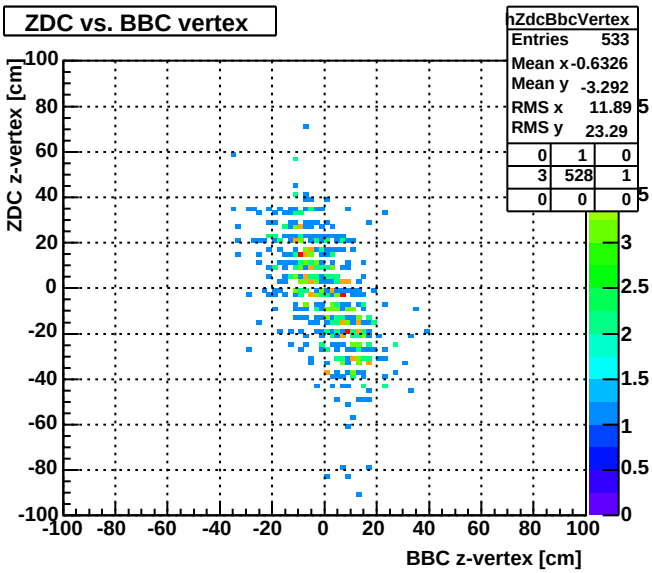

Tower Id1 3201-4800
hTowerId1c
Entries 145
Mean 4102
RMS 478.9
Underflow 0
Overflow 0
softId

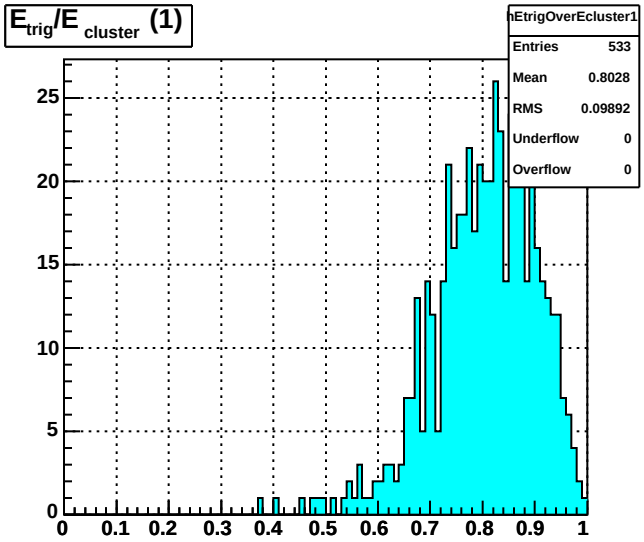

Tower Id2 3201-4800
hTowerId2c
Entries 179
Mean 3993
RMS 456.5
Underflow 0
Overflow 0
softId

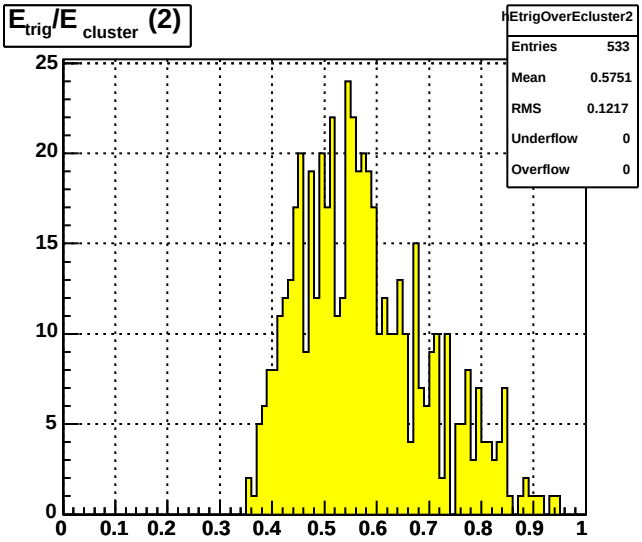

VPD vertex
hVpdVertex
Entries 533
Mean -16.74
RMS 18.25
Underflow 0
Overflow 1
χ² / ndf 88.01 / 35
Constant 17.33 ± 1.06
Mean -19.98 ± 1.55
Sigma 22.94 ± 1.49
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 533
Mean -0.673
RMS 11.91
Underflow 3
Overflow 1
χ² / ndf 57.35 / 31
Constant 34.6 ± 2.0
Mean 0.2499 ± 0.5251
Sigma 10.99 ± 0.42
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 533
Mean x -16.76
Mean y -3.334
RMS x 18.26
RMS y 23.12
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 533
Mean x -0.6326
Mean y -3.292
RMS x 11.89
RMS y 23.29
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 533
Mean 0.8028
RMS 0.09892
Underflow 0
Overflow 0


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 533
Mean 0.5751
RMS 0.1217
Underflow 0
Overflow 0