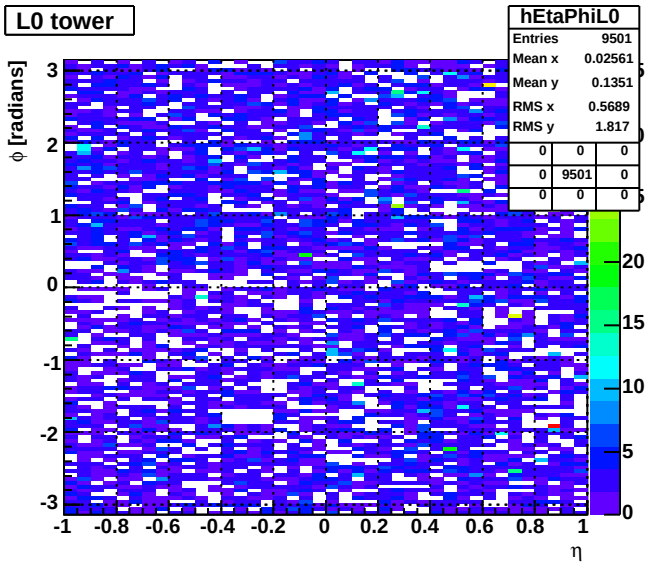
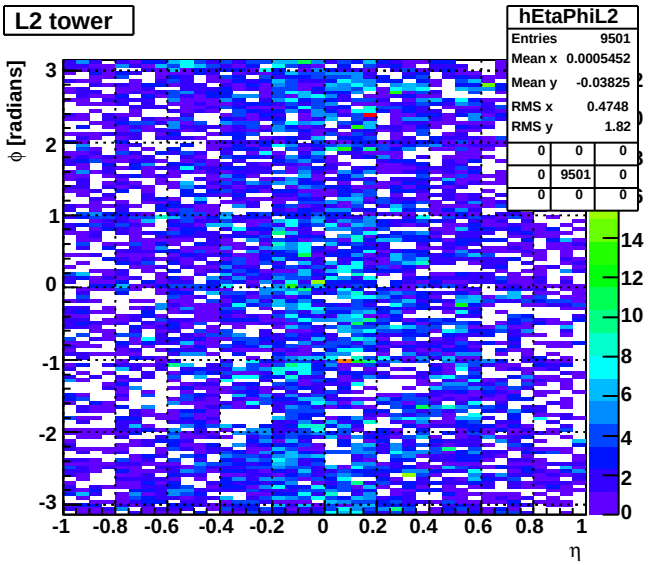
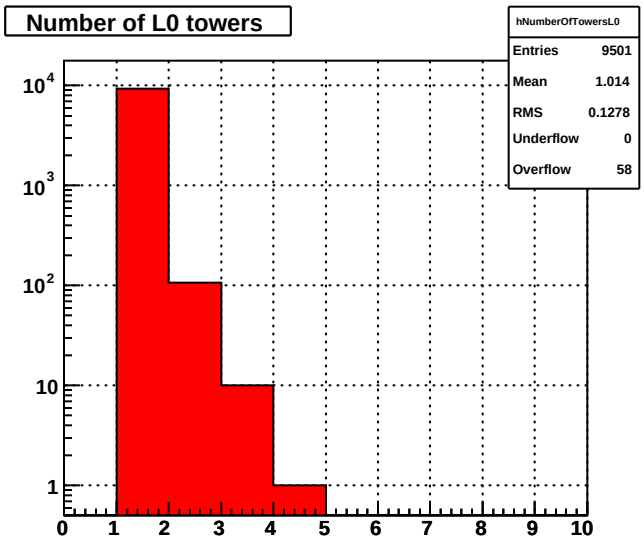
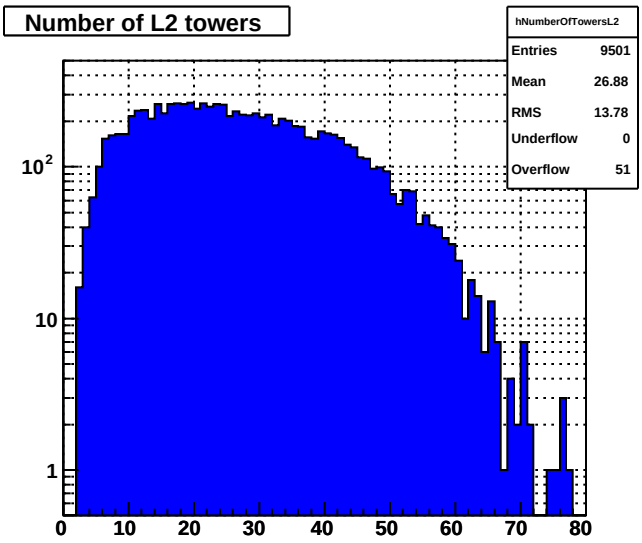
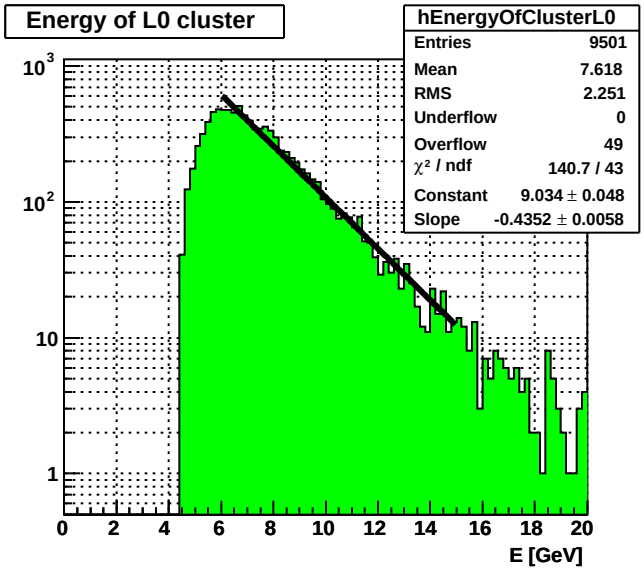
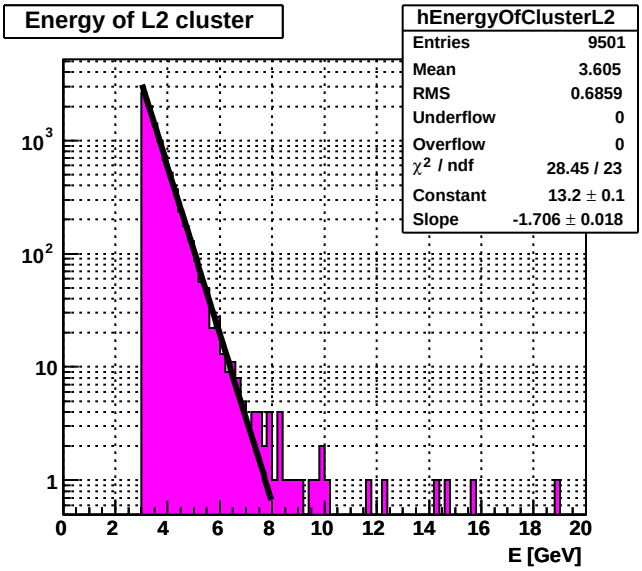

L0 tower
hEtaPhiL0
Entries 9501
Mean x 0.02561
Mean y 0.1351
RMS x 0.5689
RMS y 1.817
φ [radians]
η

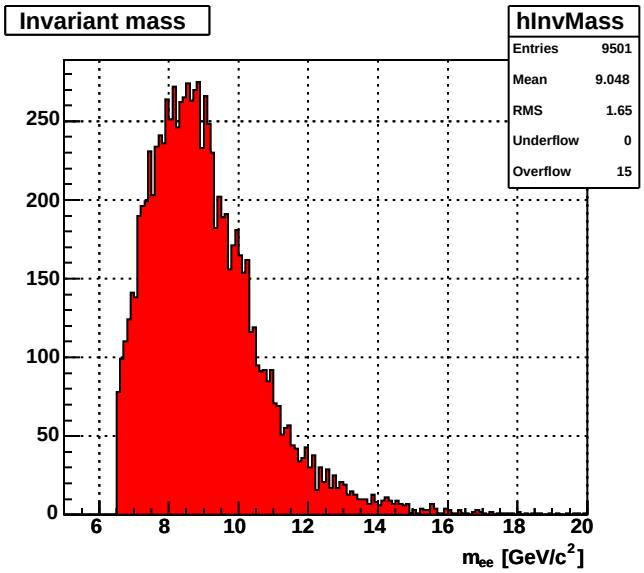

L2 tower
hEtaPhiL2
Entries 9501
Mean x 0.0005452
Mean y -0.03825
RMS x 0.4748
RMS y 1.82
φ [radians]
η

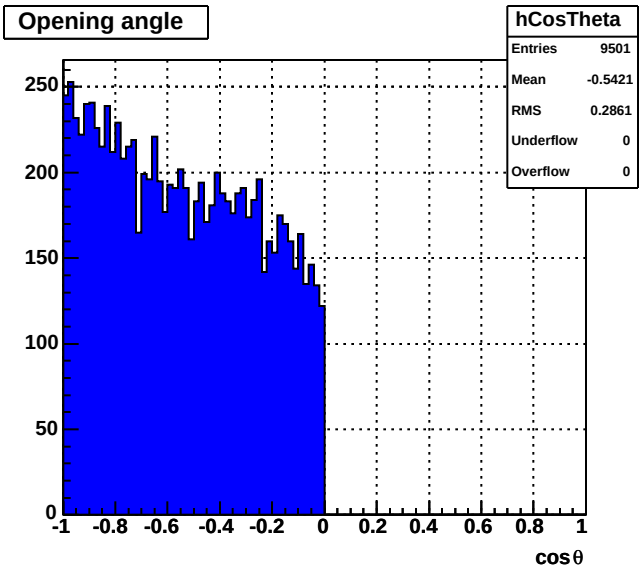

Number of L0 towers
hNumberOfTowersL0
Entries 9501
Mean 1.014
RMS 0.1278
Underflow 0
Overflow 58

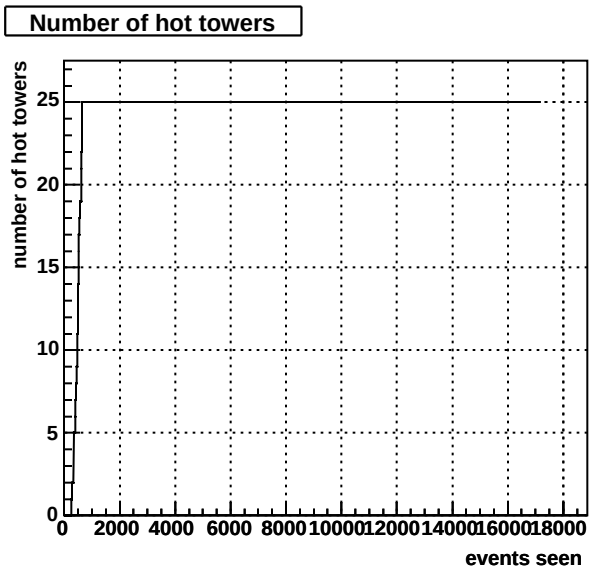

Number of L2 towers
hNumberOfTowersL2
Entries 9501
Mean 26.88
RMS 13.78
Underflow 0
Overflow 51

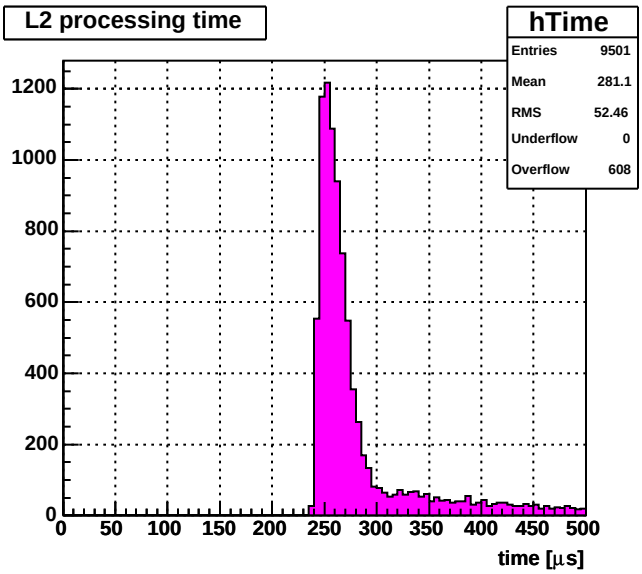

Energy of L0 cluster
hEnergyOfClusterL0
Entries 9501
Mean 7.618
RMS 2.251
Underflow 0
Overflow 49
χ² / ndf 140.7 / 43
Constant 9.034 ± 0.048
Slope -0.4352 ± 0.0058
E [GeV]

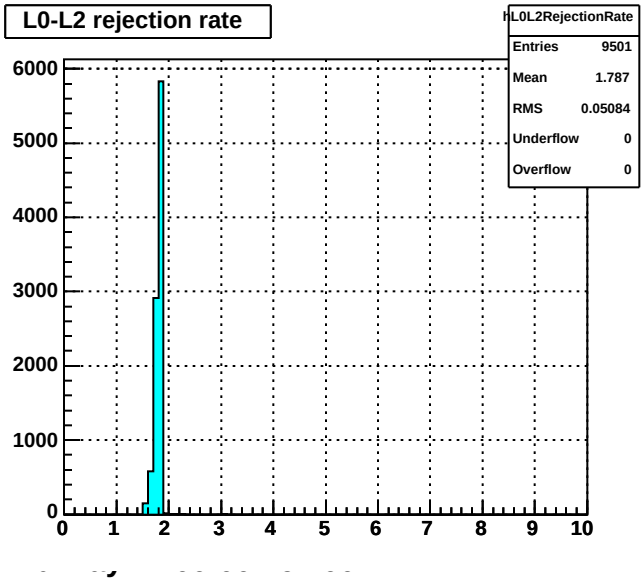

Energy of L2 cluster
hEnergyOfClusterL2
Entries 9501
Mean 3.605
RMS 0.6859
Underflow 0
Overflow 0
χ² / ndf 28.45 / 23
Constant 13.2 ± 0.1
Slope -1.706 ± 0.018
E [GeV]

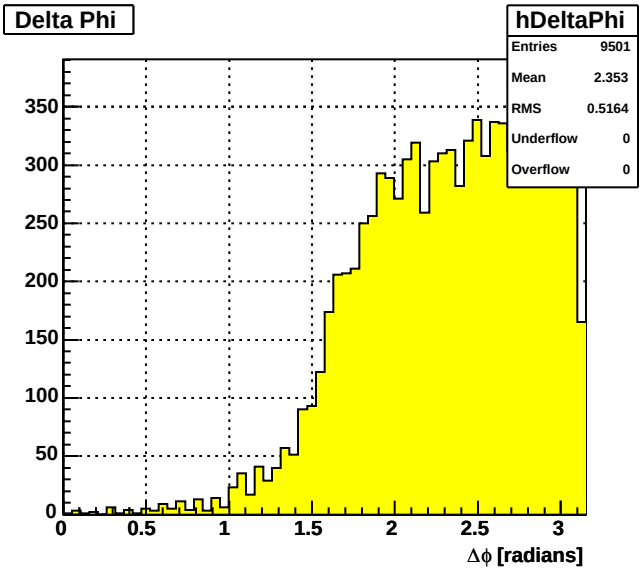

Invariant mass
hInvMass
Entries 9501
Mean 9.048
RMS 1.65
Underflow 0
Overflow 15
m_{ee} [GeV/c^2]

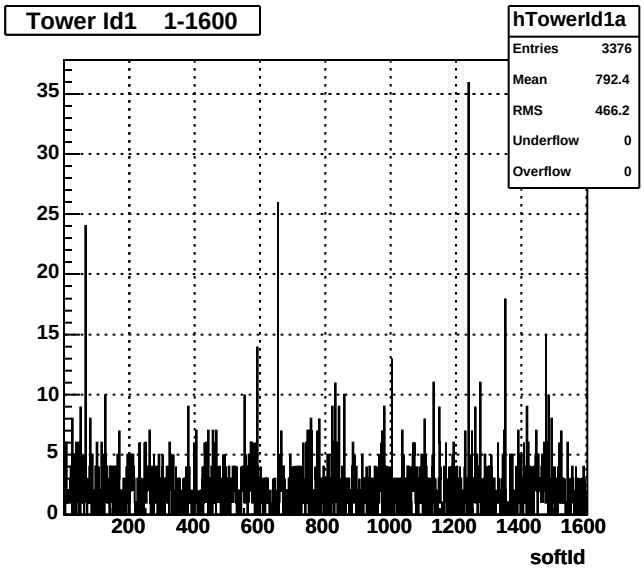

Opening angle
hCosTheta
Entries 9501
Mean -0.5421
RMS 0.2861
Underflow 0
Overflow 0
cos θ

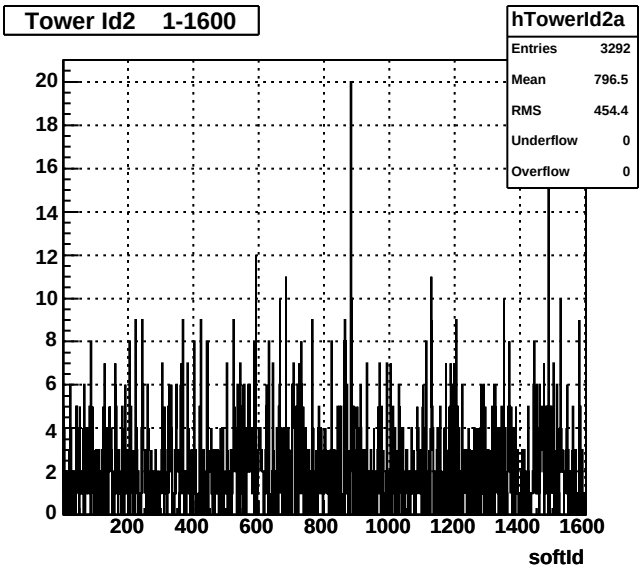

Number of hot towers
number of hot towers
events seen

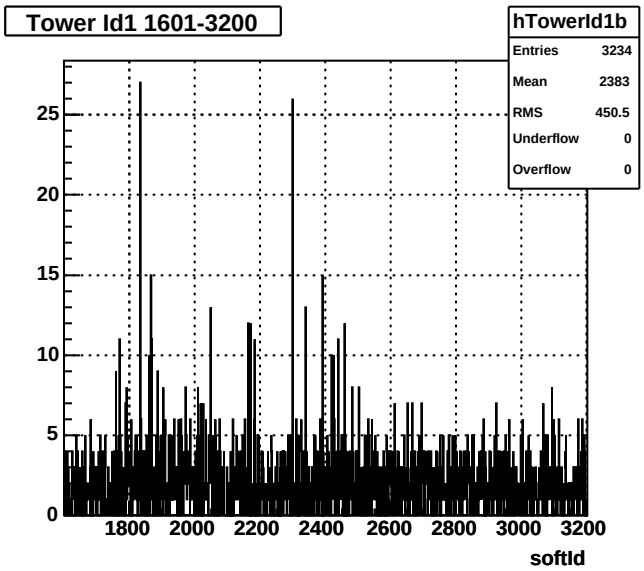

L2 processing time
hTime
Entries 9501
Mean 281.1
RMS 52.46
Underflow 0
Overflow 608
time [μs]

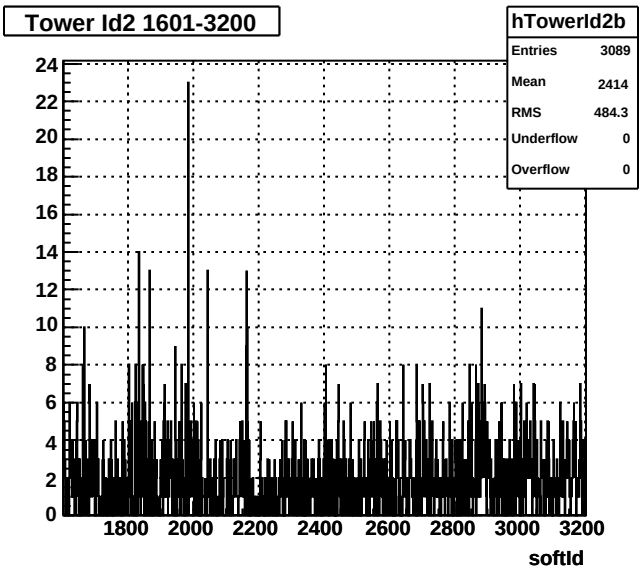

L0-L2 rejection rate
hL0L2RejectionRate
Entries 9501
Mean 1.787
RMS 0.05084
Underflow 0
Overflow 0

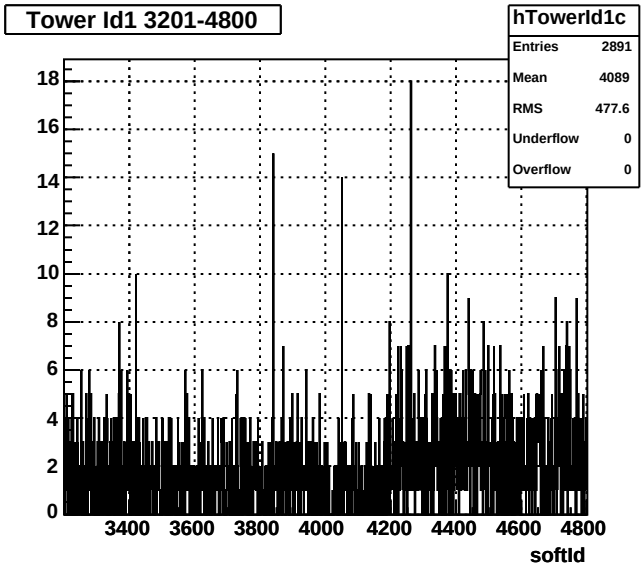

Delta Phi
hDeltaPhi
Entries 9501
Mean 2.353
RMS 0.5164
Underflow 0
Overflow 0
Δφ [radians]

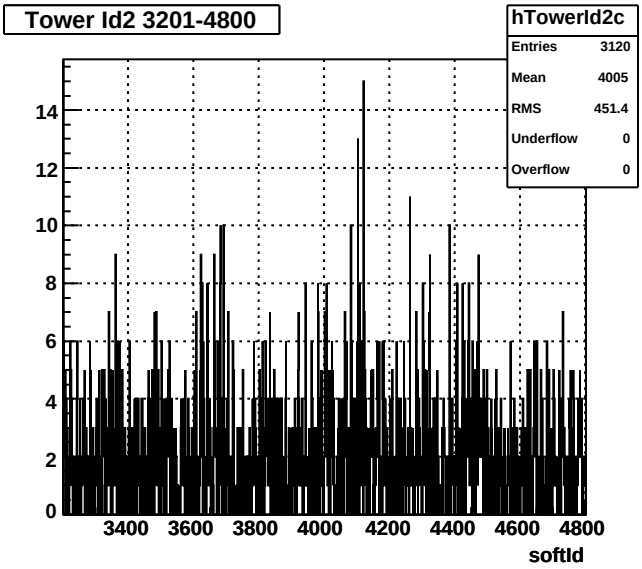

Tower Id1 1-1600
hTowerId1a
Entries 3376
Mean 792.4
RMS 466.2
Underflow 0
Overflow 0
softId

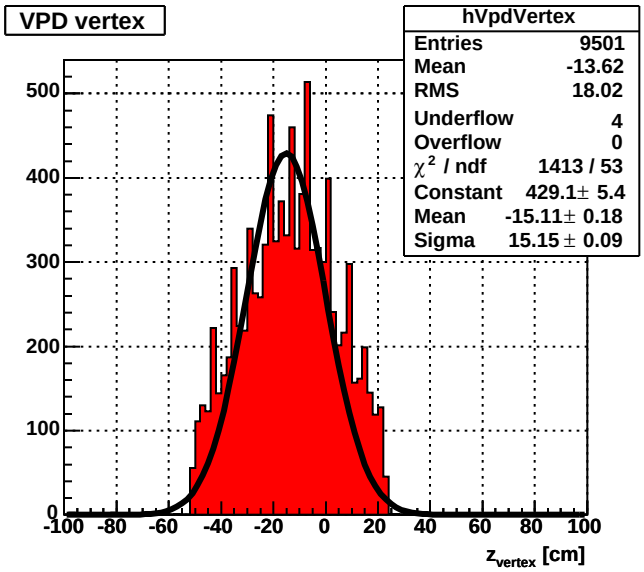

Tower Id2 1-1600
hTowerId2a
Entries 3292
Mean 796.5
RMS 454.4
Underflow 0
Overflow 0
softId

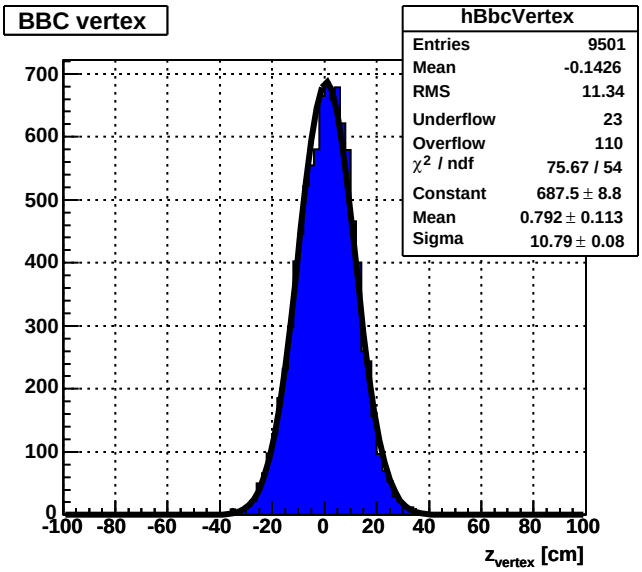

Tower Id1 1601-3200
hTowerId1b
Entries 3234
Mean 2383
RMS 450.5
Underflow 0
Overflow 0
softId

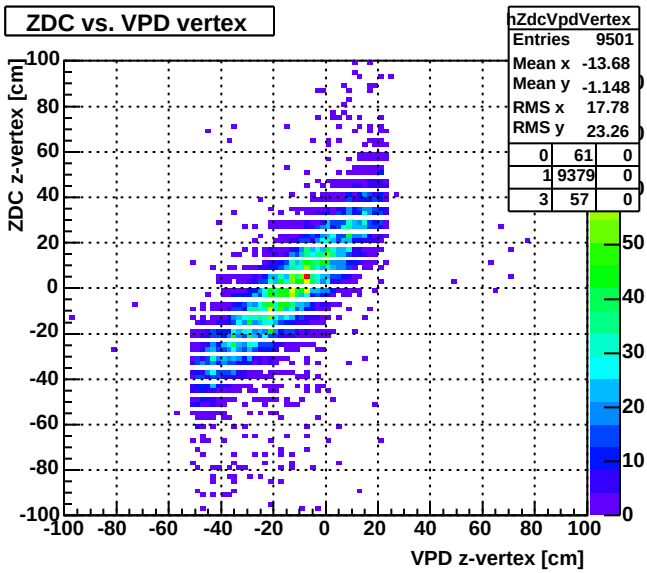

Tower Id2 1601-3200
hTowerId2b
Entries 3089
Mean 2414
RMS 484.3
Underflow 0
Overflow 0
softId

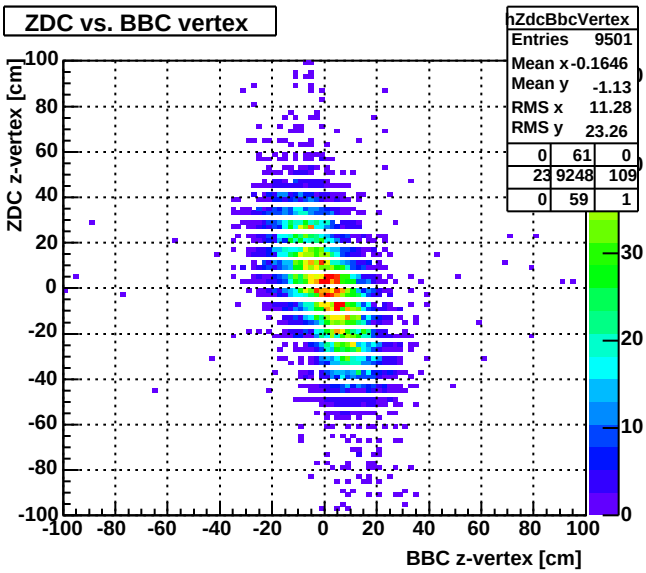

Tower Id1 3201-4800
hTowerId1c
Entries 2891
Mean 4089
RMS 477.6
Underflow 0
Overflow 0
softId

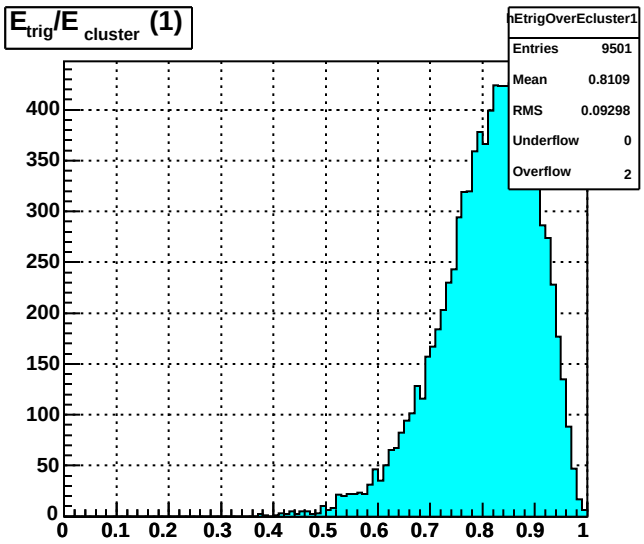

Tower Id2 3201-4800
hTowerId2c
Entries 3120
Mean 4005
RMS 451.4
Underflow 0
Overflow 0
softId

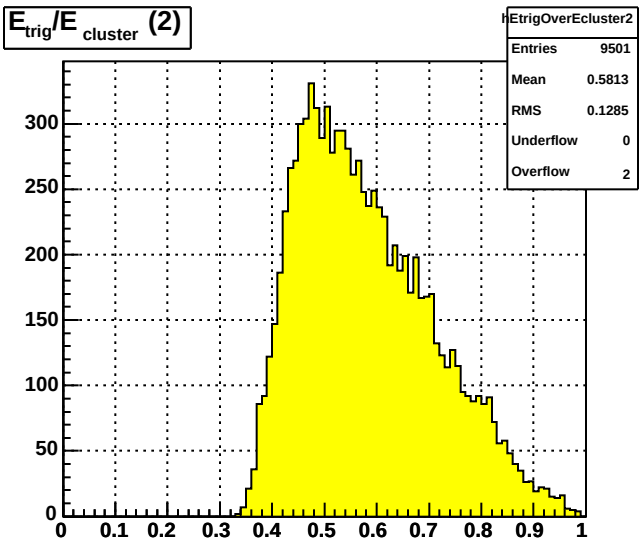

VPD vertex
hVpdVertex
Entries 9501
Mean -13.62
RMS 18.02
Underflow 4
Overflow 0
χ² / ndf 1413 / 53
Constant 429.1 ± 5.4
Mean -15.11 ± 0.18
Sigma 15.15 ± 0.09
z_vertex [cm]


BBC vertex
hBbcVertex
Entries 9501
Mean -0.1426
RMS 11.34
Underflow 23
Overflow 110
χ² / ndf 75.67 / 54
Constant 687.5 ± 8.8
Mean 0.792 ± 0.113
Sigma 10.79 ± 0.08
z_vertex [cm]


ZDC vs. VPD vertex
hZdcVpdVertex
Entries 9501
Mean x -13.68
Mean y -1.148
RMS x 17.78
RMS y 23.26
ZDC z-vertex [cm]
VPD z-vertex [cm]


ZDC vs. BBC vertex
hZdcBbcVertex
Entries 9501
Mean x -0.1646
Mean y -1.13
RMS x 11.28
RMS y 23.26
ZDC z-vertex [cm]
BBC z-vertex [cm]


E_trig/E_cluster (1)
hEtrigOverEcluster1
Entries 9501
Mean 0.8109
RMS 0.09298
Underflow 0
Overflow 2


E_trig/E_cluster (2)
hEtrigOverEcluster2
Entries 9501
Mean 0.5813
RMS 0.1285
Underflow 0
Overflow 2