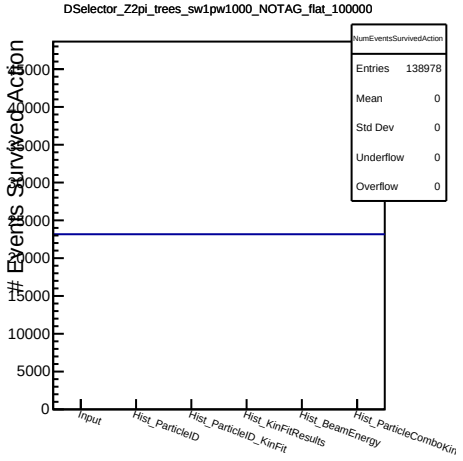
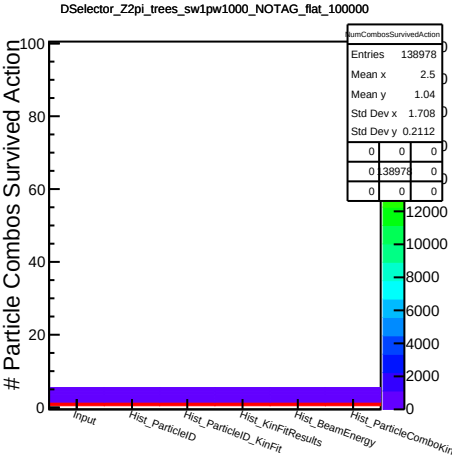
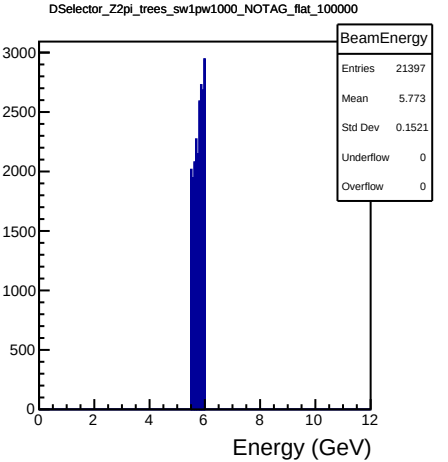
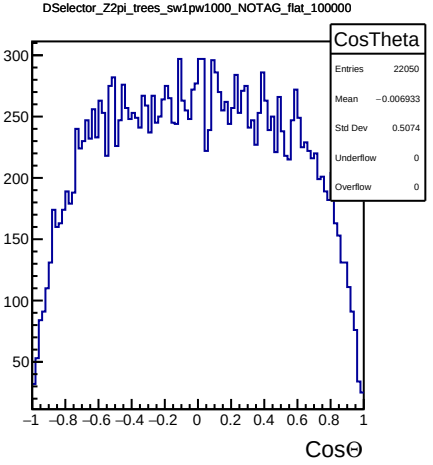
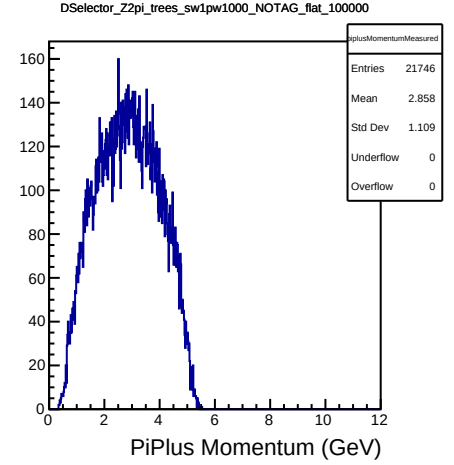
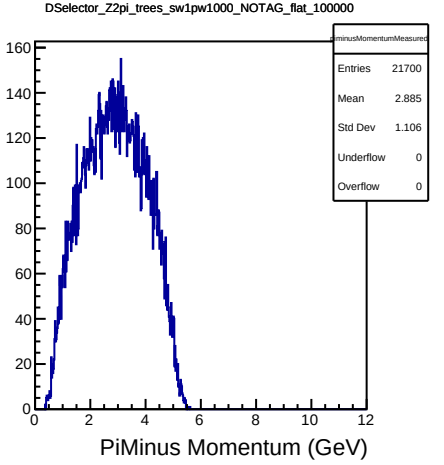

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
Events Survived Action
NumEventsSurvivedAction
Entries 138978
Mean 0
Std Dev 0
Underflow 0
Overflow 0
Input
Hist_ParticleID
Hist_ParticleID_KinFit
Hist_KinFitResults
Hist_BeamEnergy
Hist_ParticleComboKin

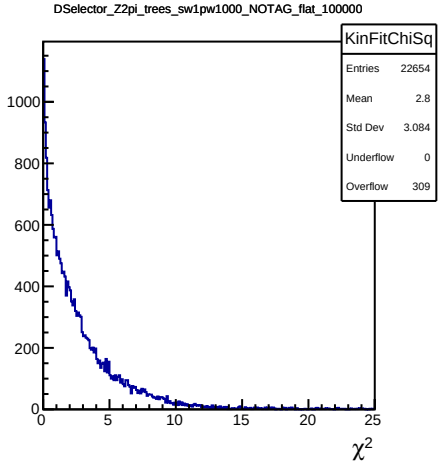

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
Particle Combos Survived Action
NumCombosSurvivedAction
Entries 138978
Mean x 2.5
Mean y 1.04
Std Dev x 1.708
Std Dev y 0.2112
Input
Hist_ParticleID
Hist_ParticleID_KinFit
Hist_KinFitResults
Hist_BeamEnergy
Hist_ParticleComboKin

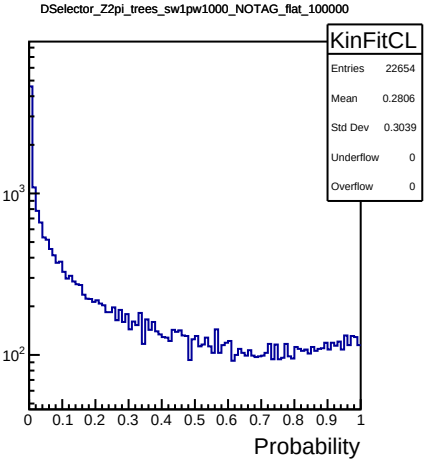

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
BeamEnergy
Entries 21397
Mean 5.773
Std Dev 0.1521
Underflow 0
Overflow 0
Energy (GeV)

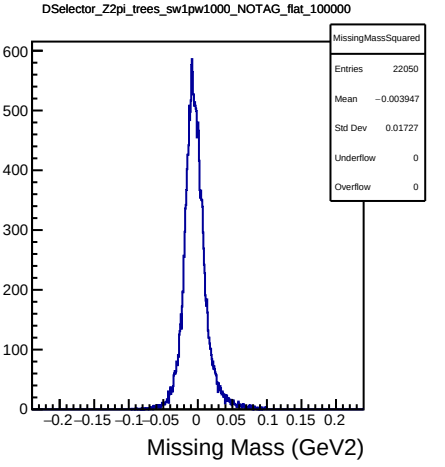

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
CosTheta
Entries 22050
Mean −0.006933
Std Dev 0.5074
Underflow 0
Overflow 0
CosΘ

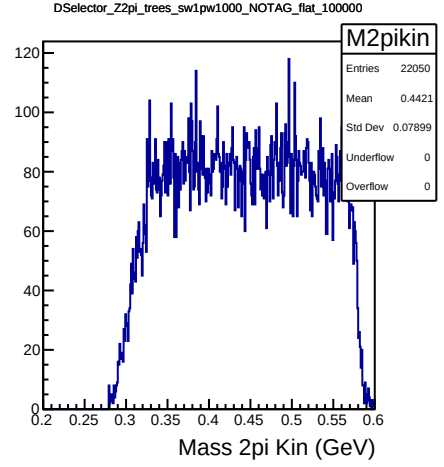

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
PiplusMomentumMeasured
Entries 21746
Mean 2.858
Std Dev 1.109
Underflow 0
Overflow 0
PiPlus Momentum (GeV)

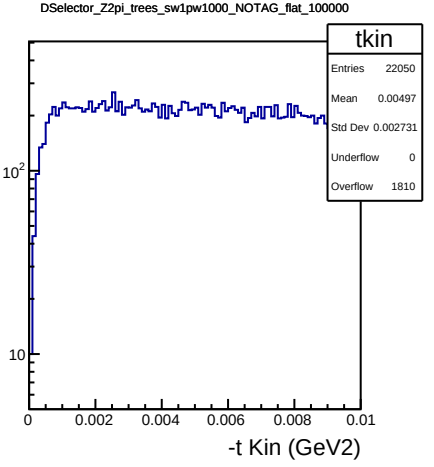

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
PiminusMomentumMeasured
Entries 21700
Mean 2.885
Std Dev 1.106
Underflow 0
Overflow 0
PiMinus Momentum (GeV)

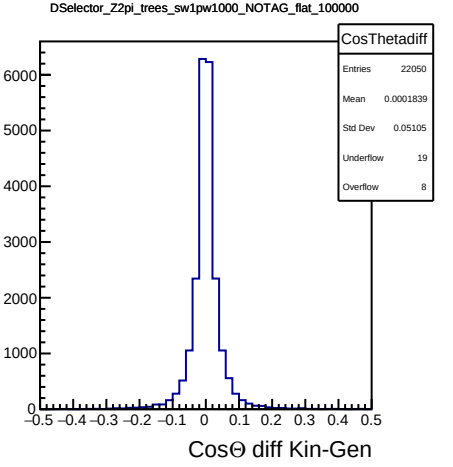

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
KinFitChiSq
Entries 22654
Mean 2.8
Std Dev 3.084
Underflow 0
Overflow 309
χ2

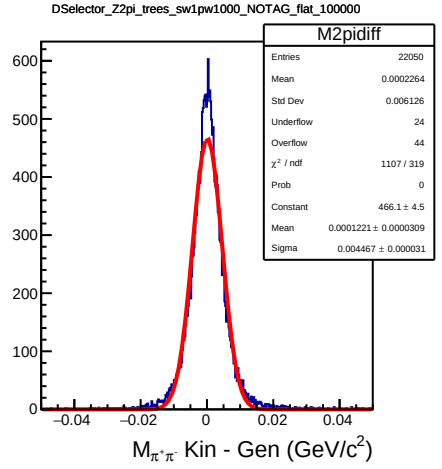

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
KinFitCL
Entries 22654
Mean 0.2806
Std Dev 0.3039
Underflow 0
Overflow 0
Probability

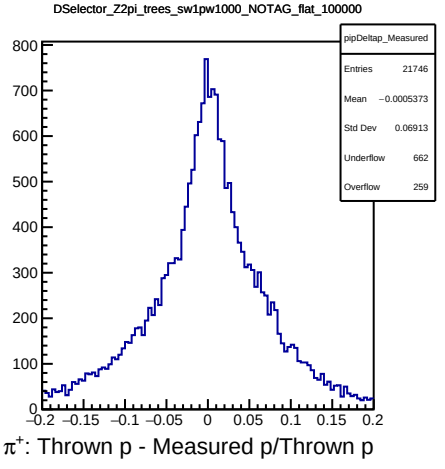

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
MissingMassSquared
Entries 22050
Mean −0.003947
Std Dev 0.01727
Underflow 0
Overflow 0
Missing Mass (GeV2)

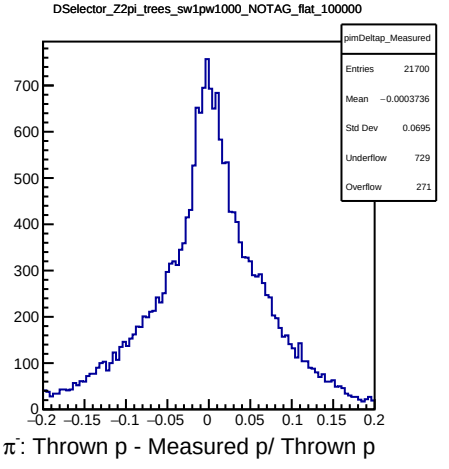

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
M2pikin
Entries 22050
Mean 0.4421
Std Dev 0.07899
Underflow 0
Overflow 0
Mass 2pi Kin (GeV)

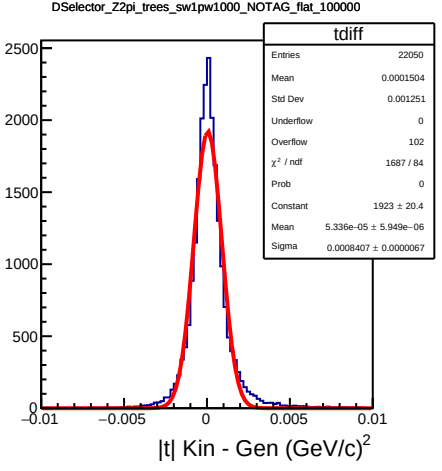

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
tkin
Entries 22050
Mean 0.00497
Std Dev 0.002731
Underflow 0
Overflow 1810
-t Kin (GeV2)

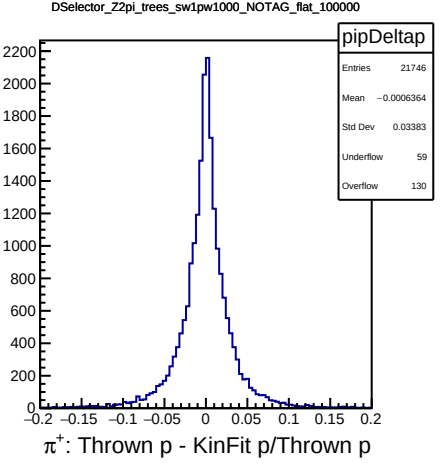

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
CosThetadiff
Entries 22050
Mean 0.0001839
Std Dev 0.05105
Underflow 19
Overflow 8
CosΘ diff Kin-Gen

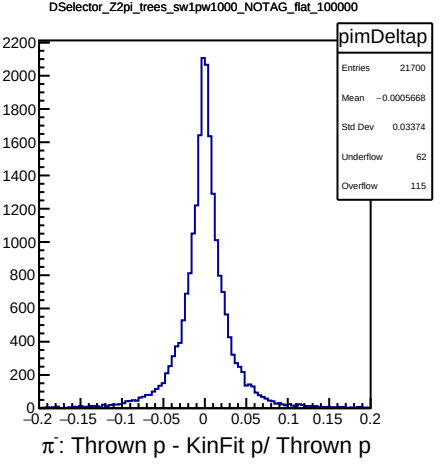

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
M2pidiff
Entries 22050
Mean 0.0002264
Std Dev 0.006126
Underflow 24
Overflow 44
χ² / ndf 1107 / 319
Prob 0
Constant 466.1 ± 4.5
Mean 0.0001221 ± 0.0000309
Sigma 0.004467 ± 0.000031
$M_{\pi^+\pi^-}$ Kin - Gen (GeV/c^2)

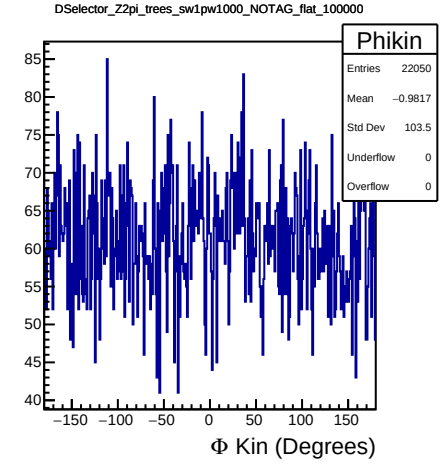

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
pipDeltap_Measured
Entries 21746
Mean −0.0005373
Std Dev 0.06913
Underflow 662
Overflow 259
π^+: Thrown p - Measured p/Thrown p

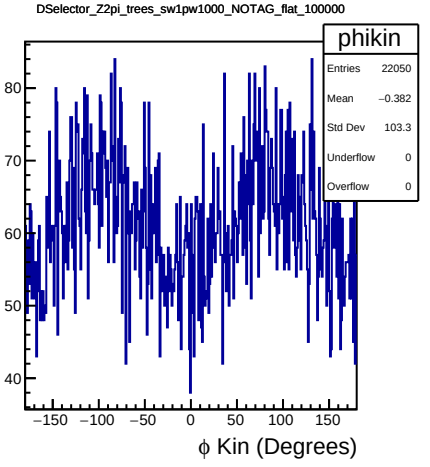

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
pimDeltap_Measured
Entries 21700
Mean −0.0003736
Std Dev 0.0695
Underflow 729
Overflow 271
π^-: Thrown p - Measured p/ Thrown p

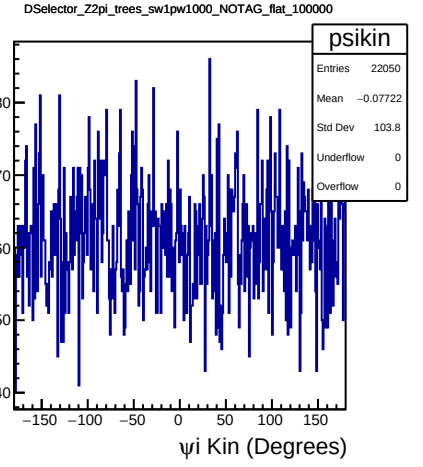

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
tdiff
Entries 22050
Mean 0.0001504
Std Dev 0.001251
Underflow 0
Overflow 102
χ² / ndf 1687 / 84
Prob 0
Constant 1923 ± 20.4
Mean 5.336e-05 ± 5.949e-06
Sigma 0.0008407 ± 0.0000067
|t| Kin - Gen (GeV/c)^2

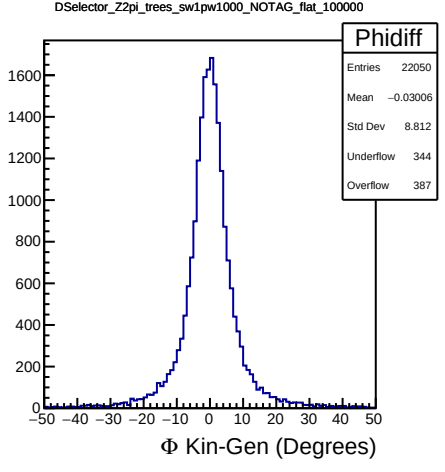

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
pipDeltap
Entries 21746
Mean −0.0006364
Std Dev 0.03383
Underflow 59
Overflow 130
π^+: Thrown p - KinFit p/Thrown p

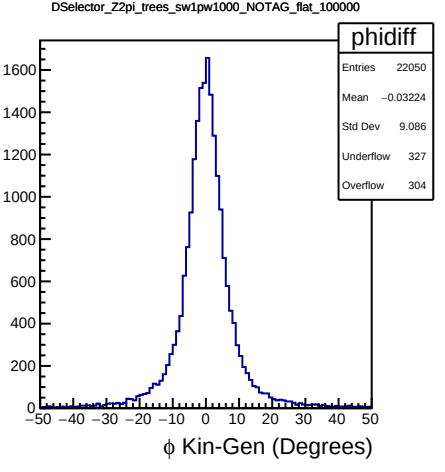

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
pimDeltap
Entries 21700
Mean −0.0005668
Std Dev 0.03374
Underflow 62
Overflow 115
π^-: Thrown p - KinFit p/ Thrown p

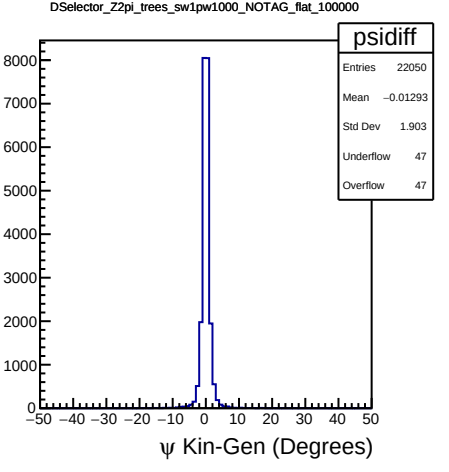

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
Phikin
Entries 22050
Mean −0.9817
Std Dev 103.5
Underflow 0
Overflow 0
Φ Kin (Degrees)

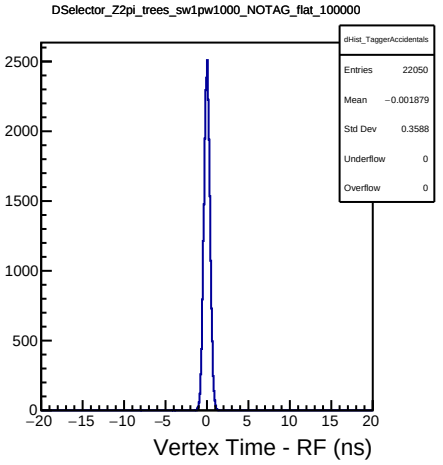

DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
phikin
Entries 22050
Mean −0.382
Std Dev 103.3
Underflow 0
Overflow 0
ϕ Kin (Degrees)


DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
psikin
Entries 22050
Mean −0.07722
Std Dev 103.8
Underflow 0
Overflow 0
ψi Kin (Degrees)


DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
Phidiff
Entries 22050
Mean −0.03006
Std Dev 8.812
Underflow 344
Overflow 387
Φ Kin-Gen (Degrees)


DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
phidiff
Entries 22050
Mean −0.03224
Std Dev 9.086
Underflow 327
Overflow 304
ϕ Kin-Gen (Degrees)


DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
psidiff
Entries 22050
Mean −0.01293
Std Dev 1.903
Underflow 47
Overflow 47
ψ Kin-Gen (Degrees)


DSelector_Z2pi_trees_sw1pw1000_NOTAG_flat_100000
dHist_TaggerAccidentals
Entries 22050
Mean −0.001879
Std Dev 0.3588
Underflow 0
Overflow 0
2500
2000
1500
1000
500
0
−20 −15 −10 −5 0 5 10 15 20
Vertex Time - RF (ns)