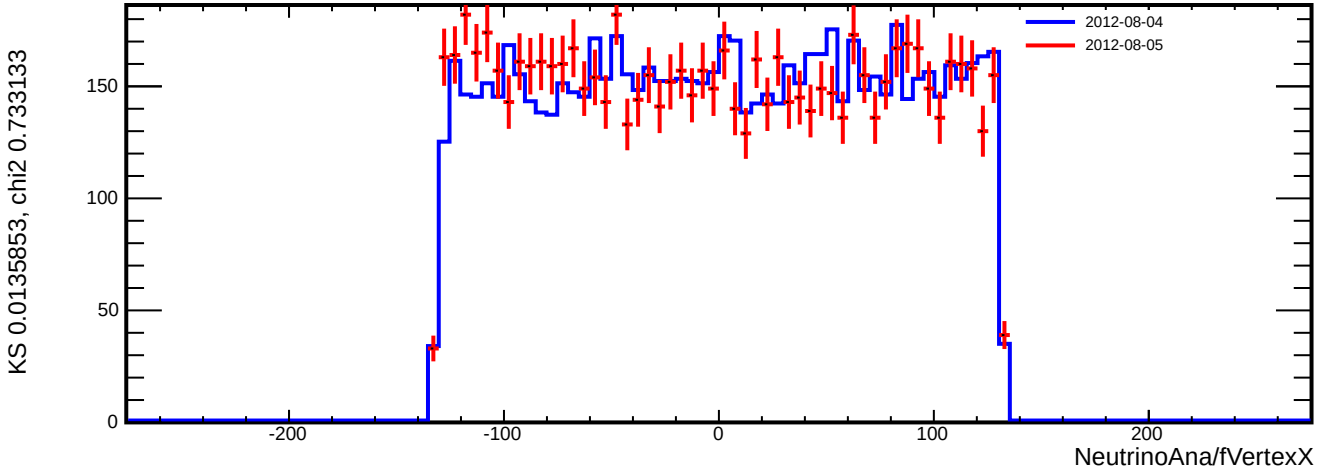
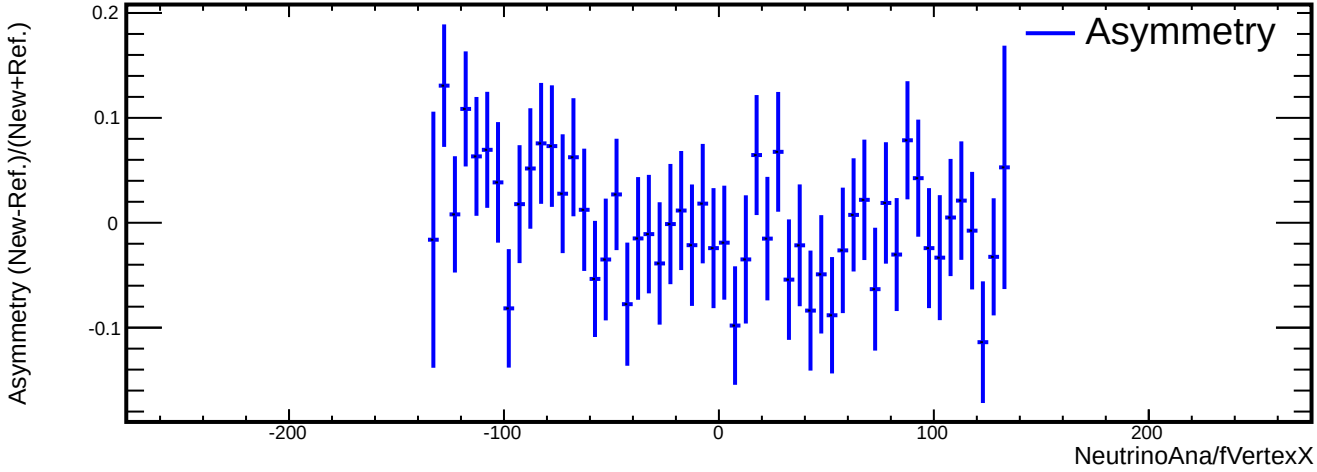
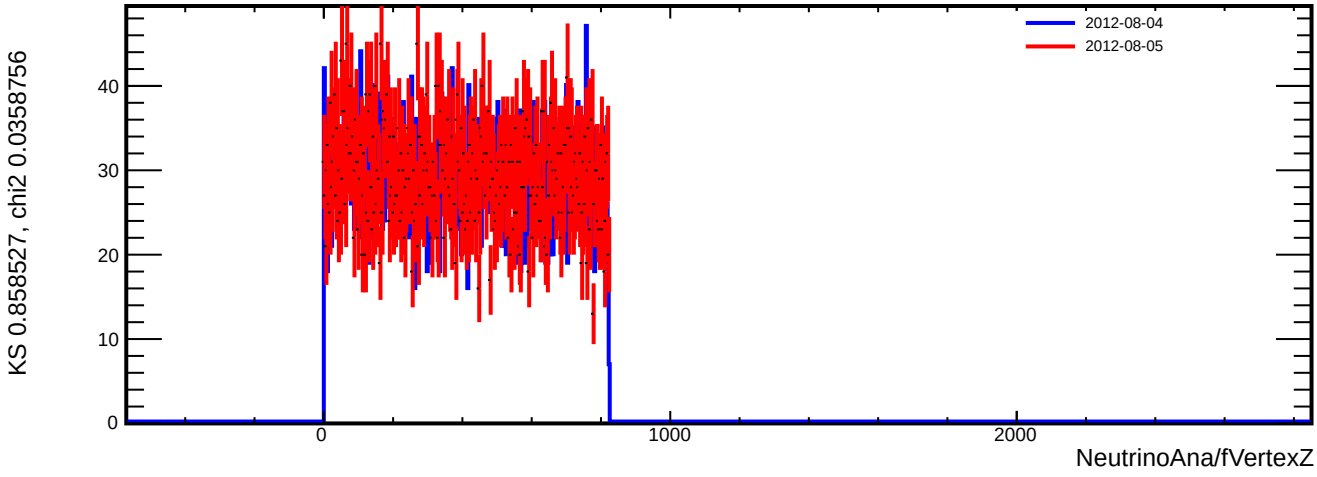
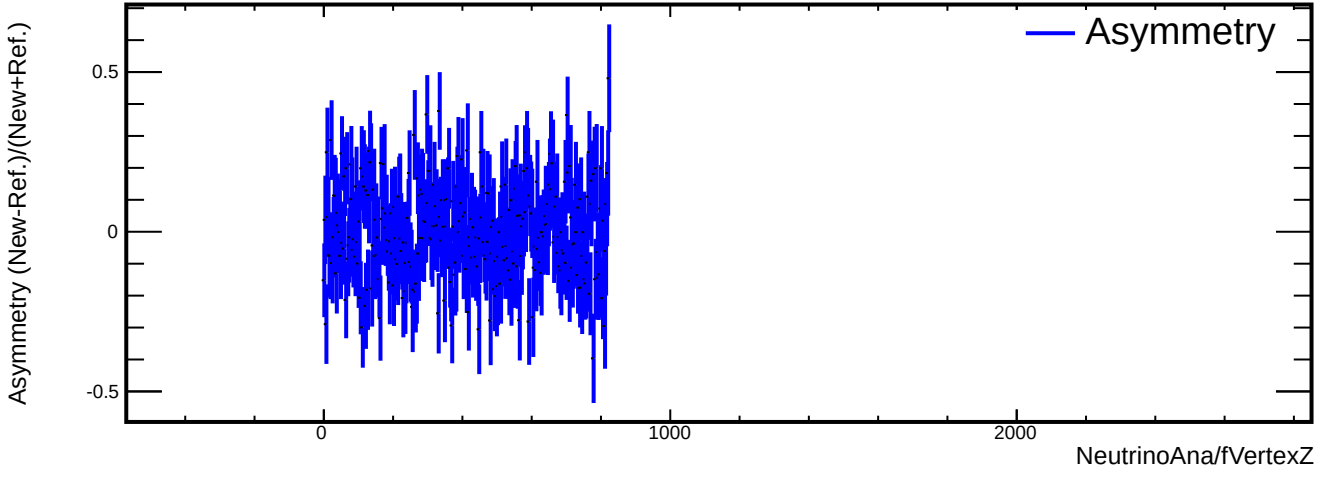
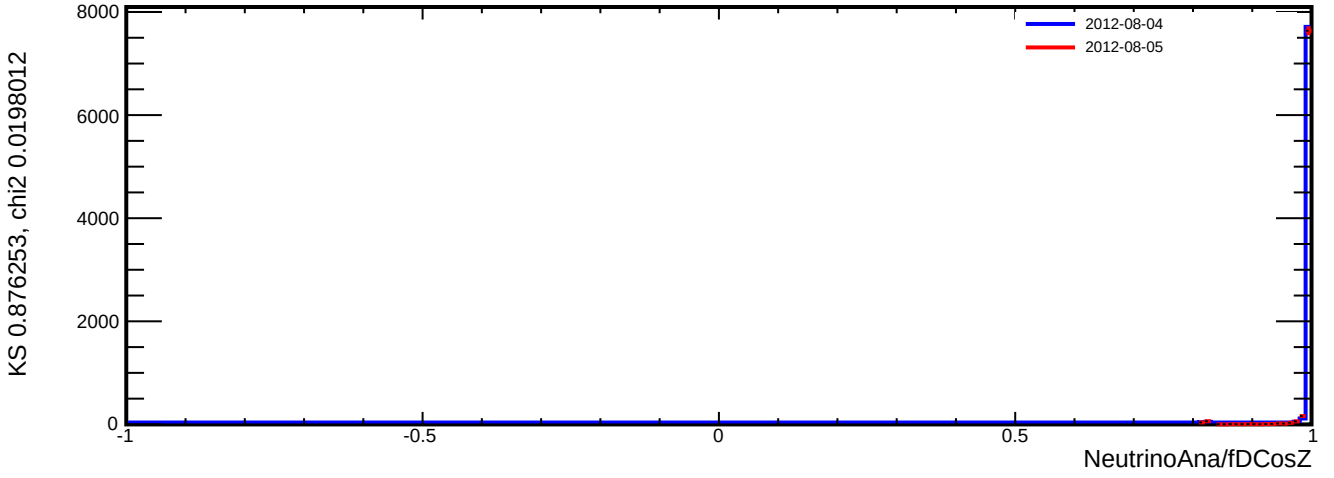
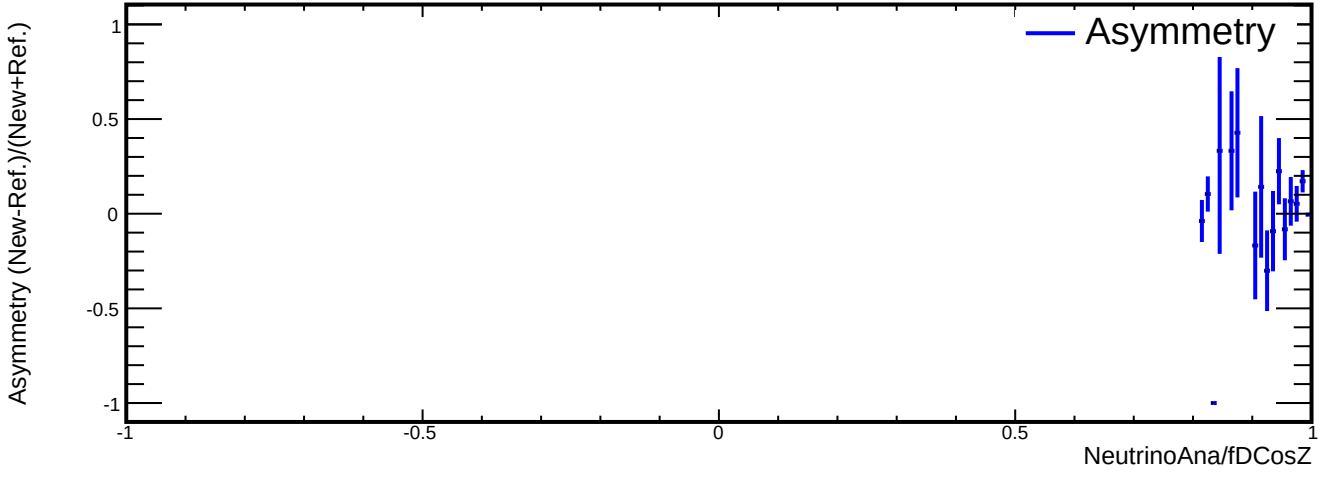

KS 0.0135853, chi2 0.733133
2012-08-04
2012-08-05
150
100
50
0
-200
-100
0
100
200
NeutrinoAna/fVertexX

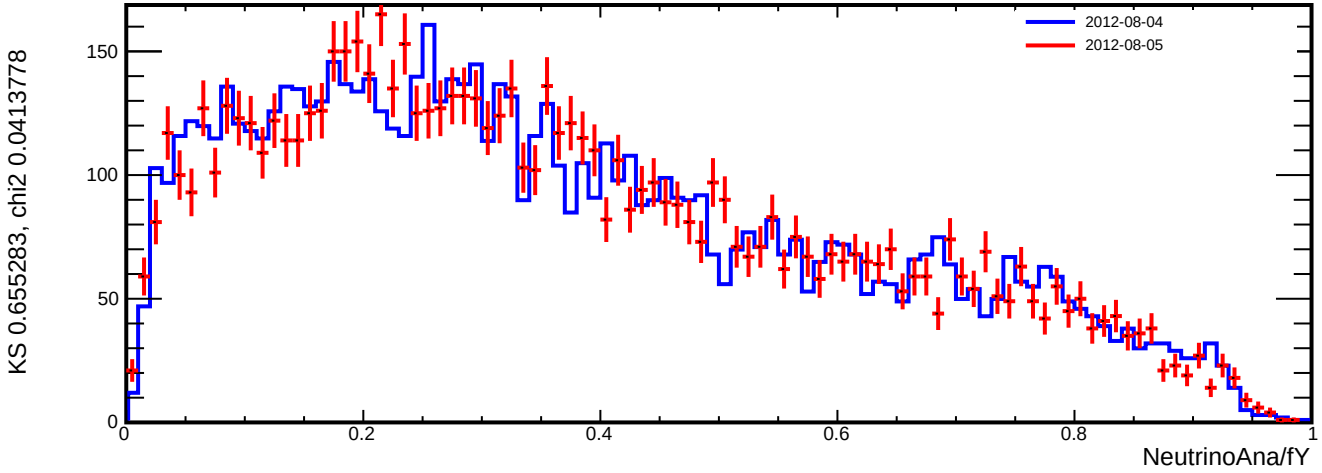

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-200
-100
0
100
200
NeutrinoAna/fVertexX

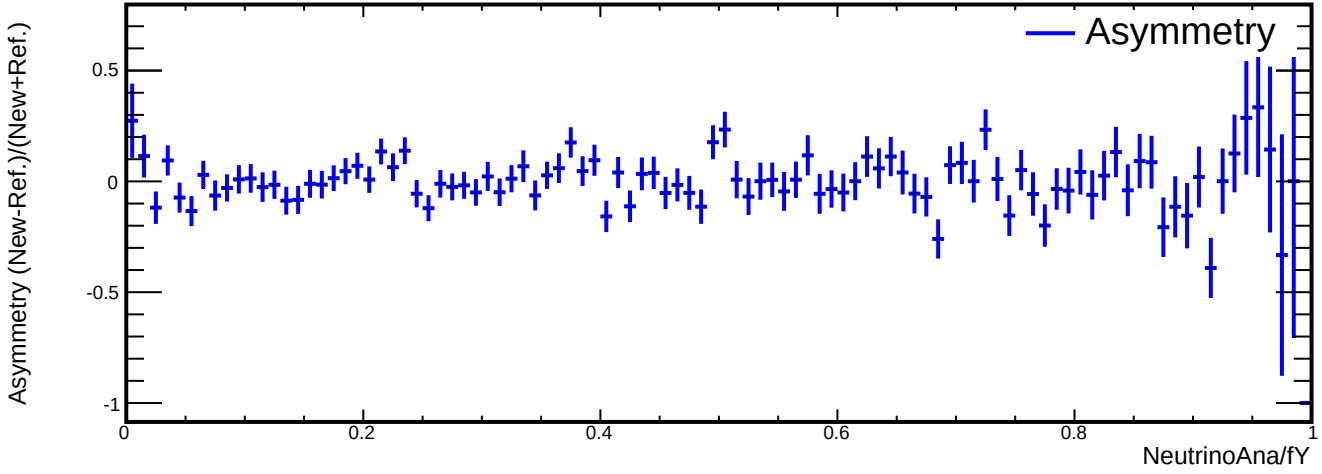

KS 0.858527, chi2 0.0358756
2012-08-04
2012-08-05
0
10
20
30
40
0
1000
2000
NeutrinoAna/fVertexZ

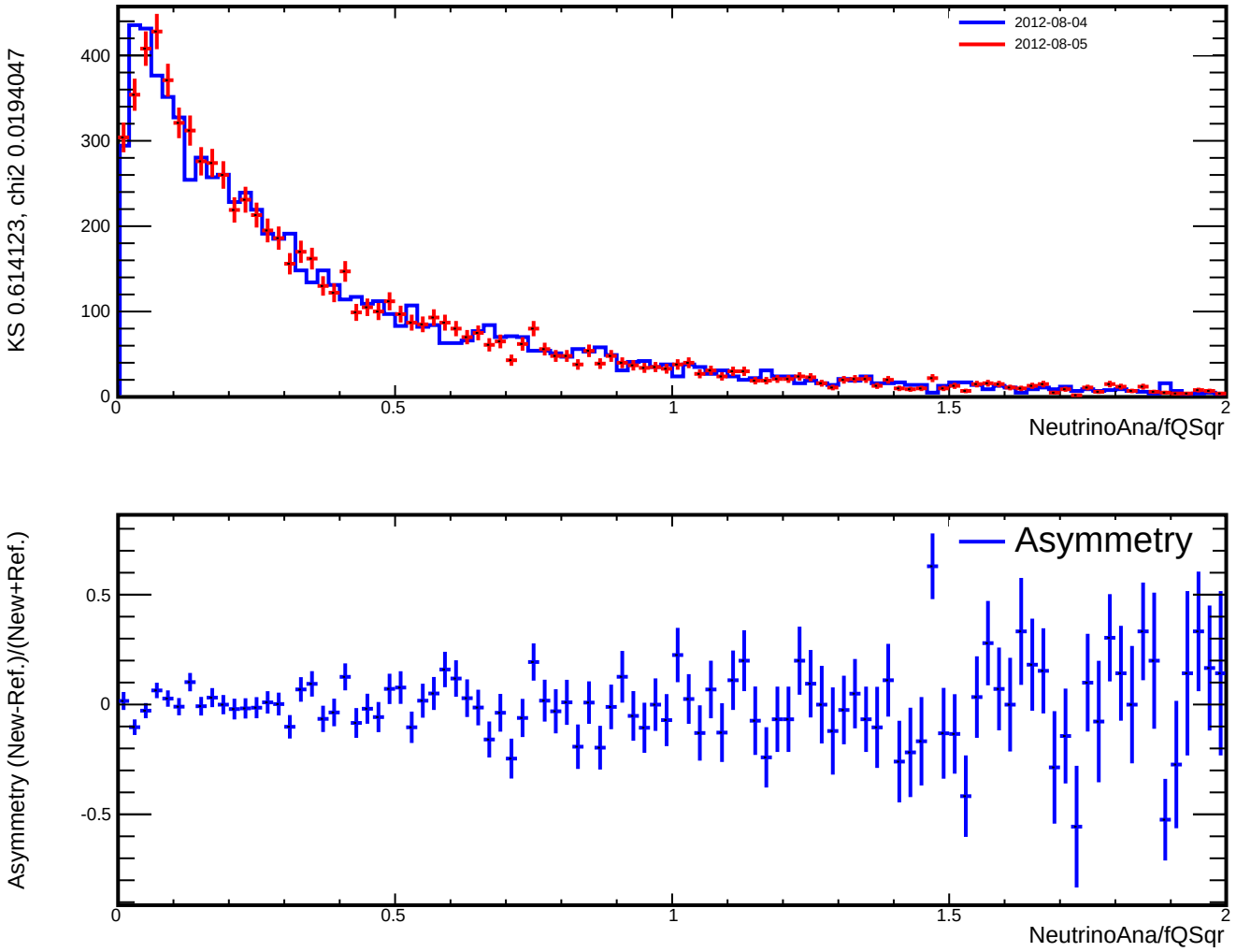

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
0
1000
2000
NeutrinoAna/fVertexZ

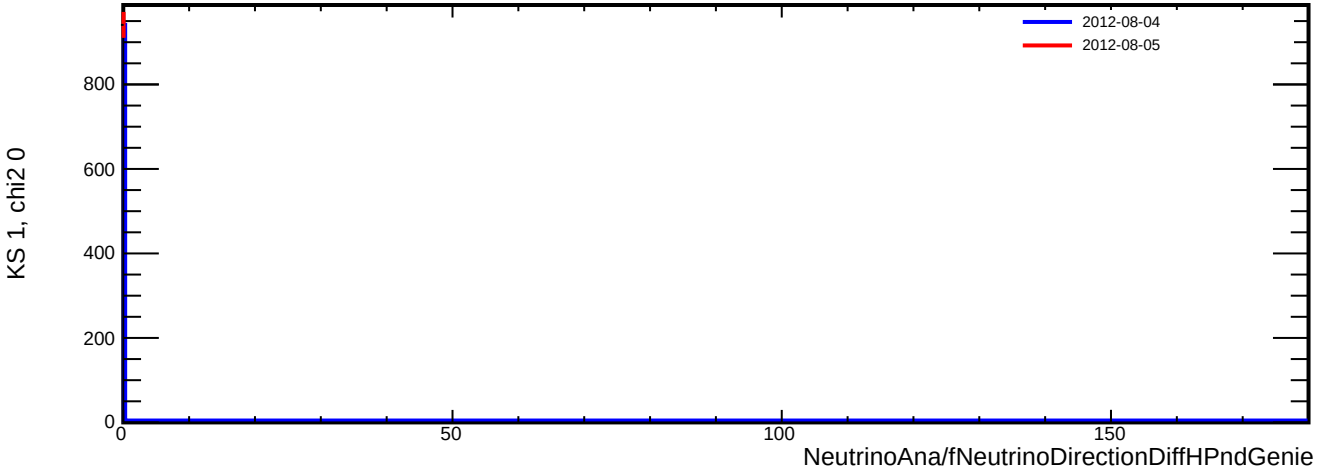

KS 0.876253, chi2 0.0198012
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosZ
2012-08-04
2012-08-05

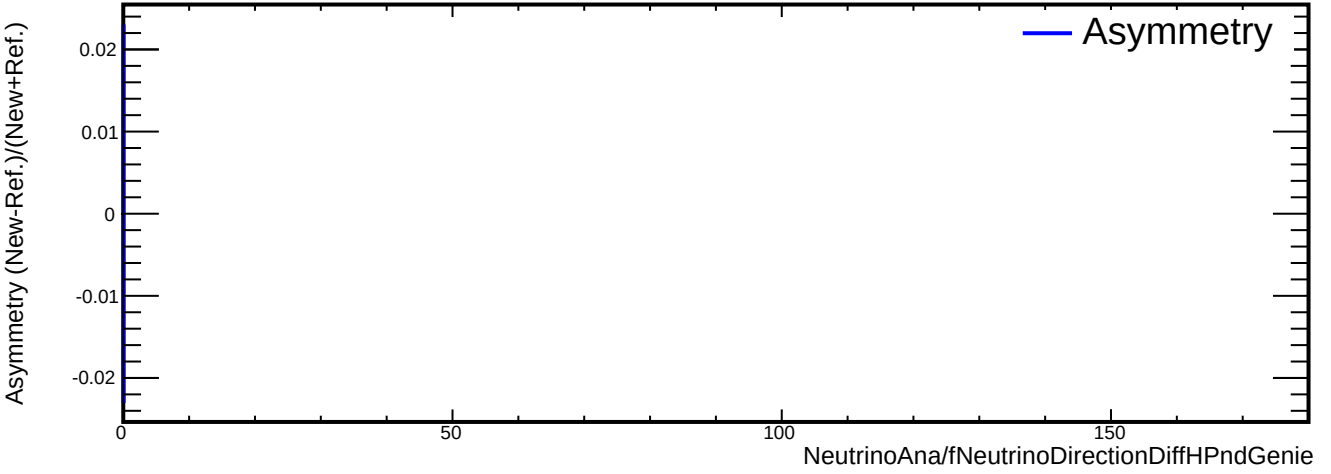

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosZ
Asymmetry

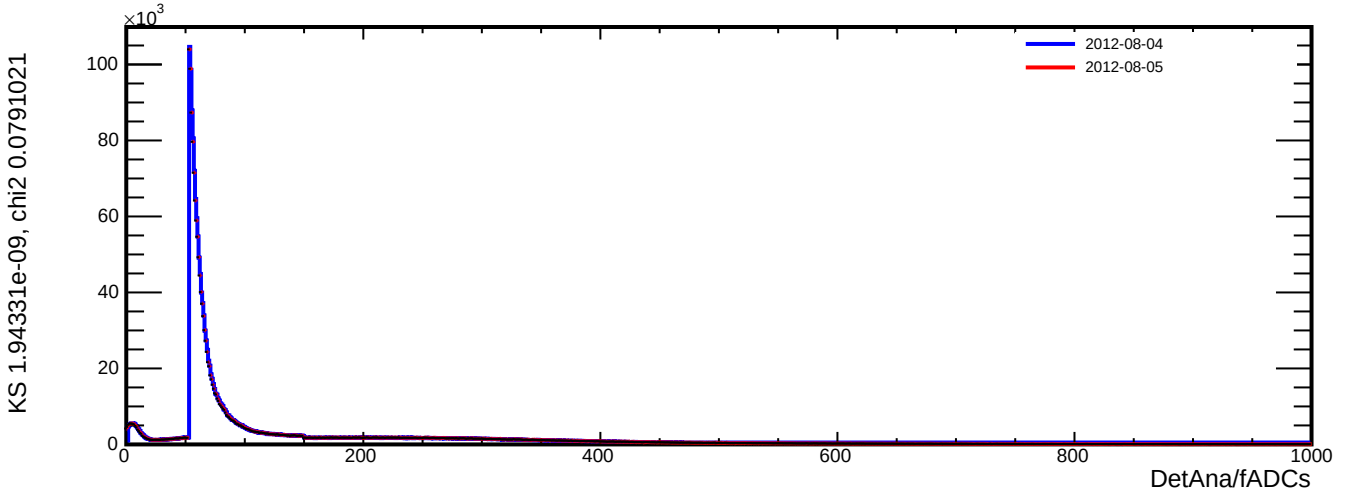

KS 0.655283, chi2 0.0413778
2012-08-04
2012-08-05
150
100
50
0
0
0.2
0.4
0.6
0.8
1
NeutrinoAna/fY

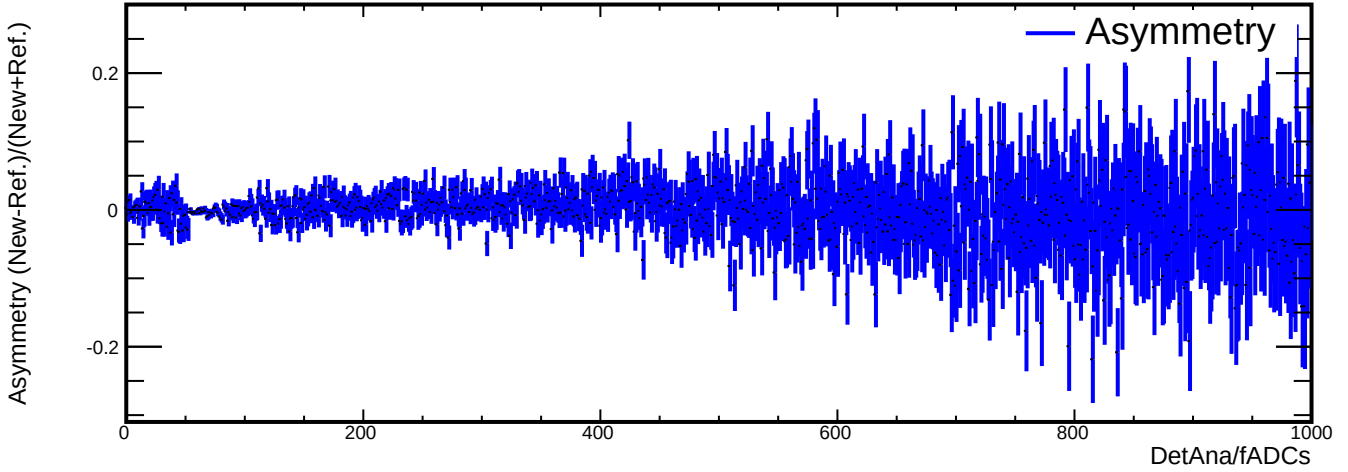

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
0.2
0.4
0.6
0.8
1
NeutrinoAna/fY

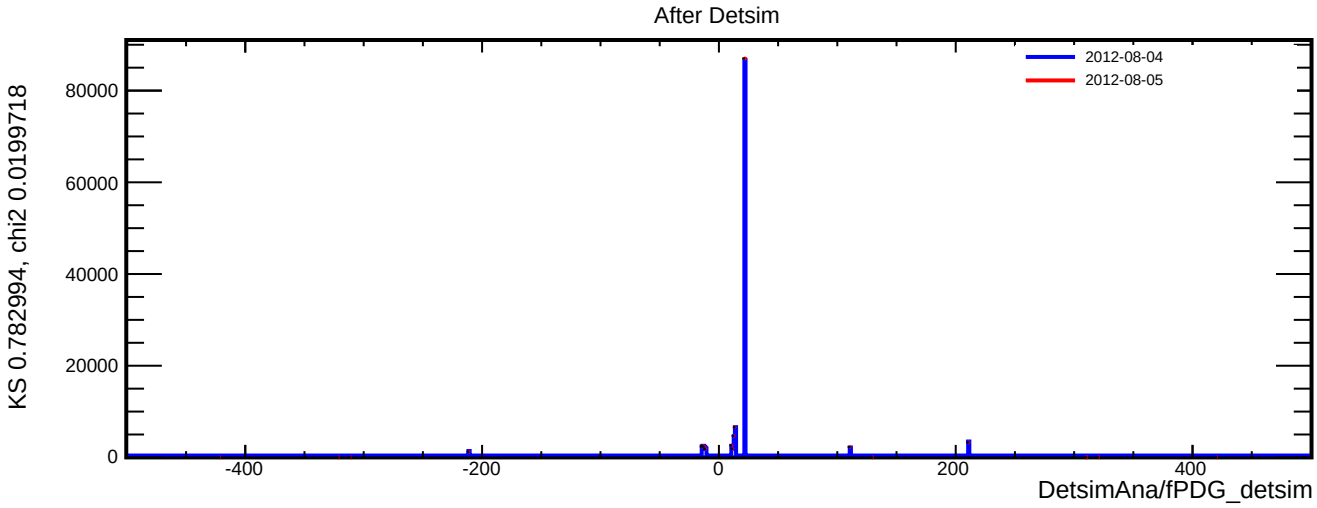

KS 0.614123, chi2 0.0194047
2012-08-04
2012-08-05
NeutrinoAna/fQSqr
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fQSqr

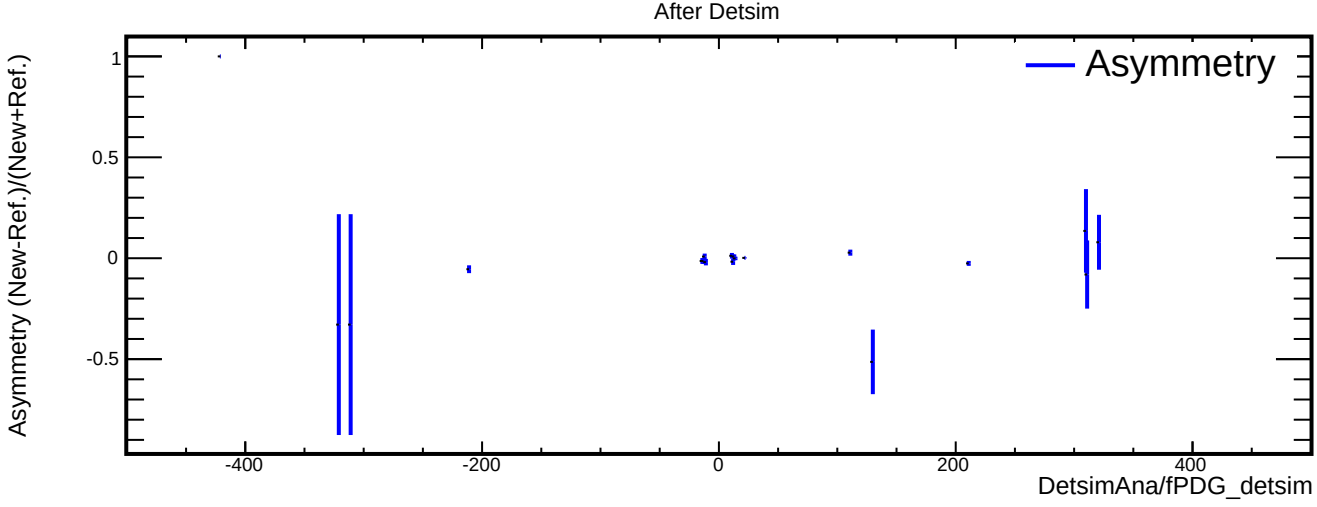

2012-08-04
2012-08-05
KS 1, chi2 0
800
600
400
200
0
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

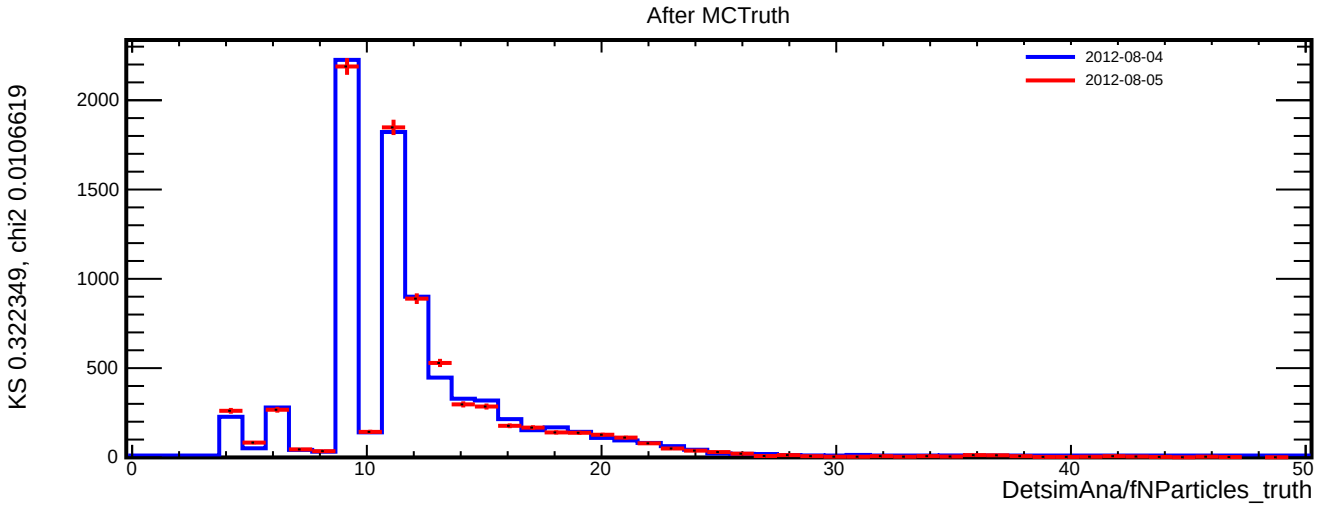

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0.01
0
-0.01
-0.02
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

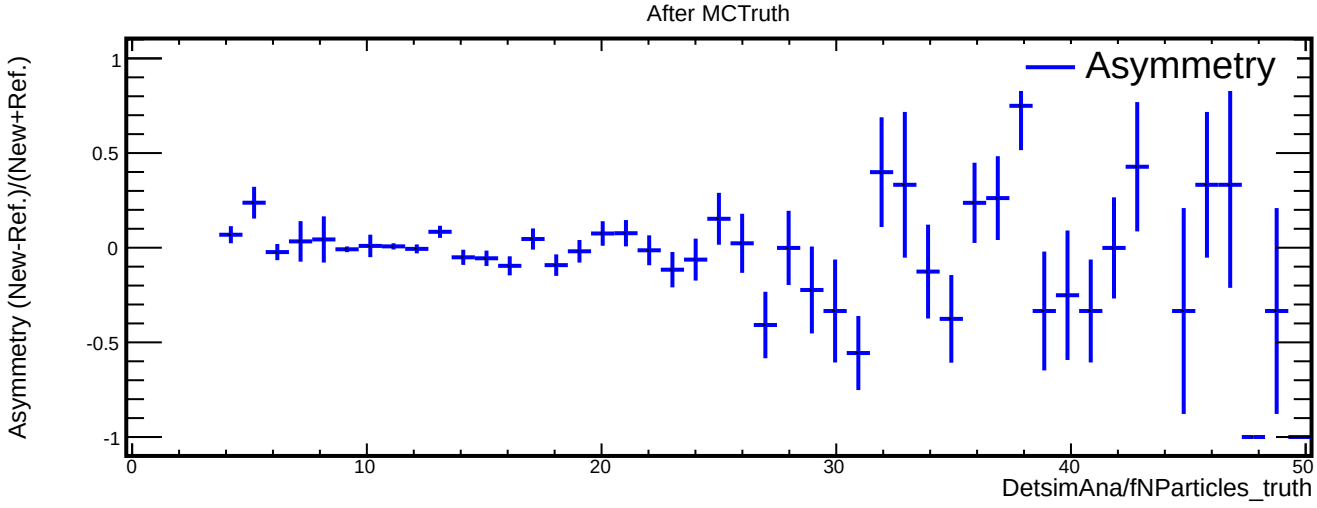

×10^3
100
80
60
40
20
0
0
200
400
600
800
1000
DetAna/fADCs
KS 1.94331e-09, chi2 0.0791021
2012-08-04
2012-08-05

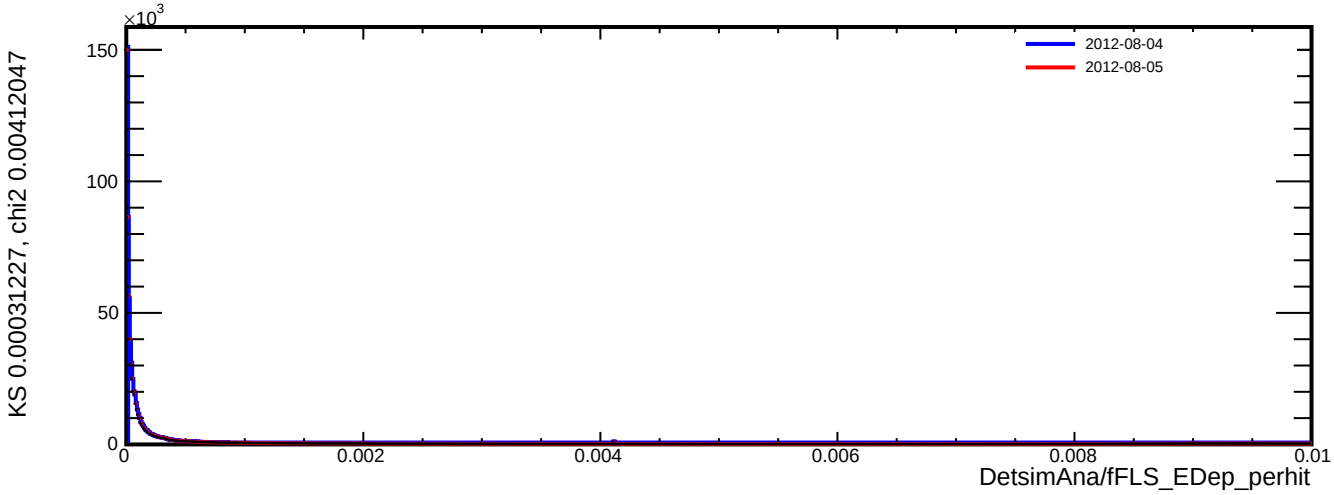

Asymmetry
0.2
0
-0.2
0
200
400
600
800
1000
DetAna/fADCs
Asymmetry (New-Ref.)/(New+Ref.)

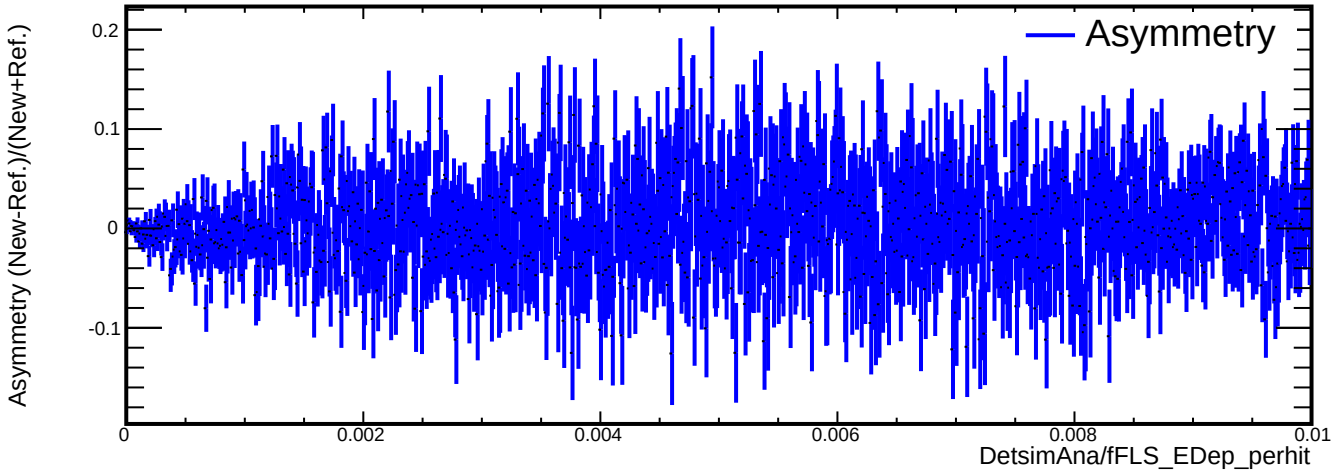

After Detsim
KS 0.782994, chi2 0.0199718
2012-08-04
2012-08-05
80000
60000
40000
20000
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim

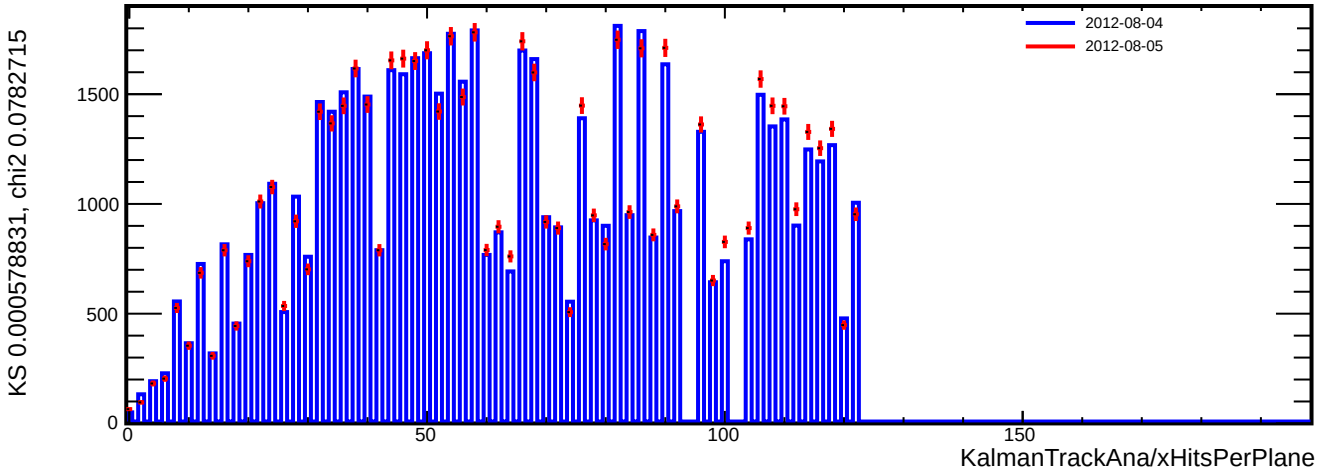

After Detsim
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-400
-200
0
200
400
DetsimAna/fPDG_detsim

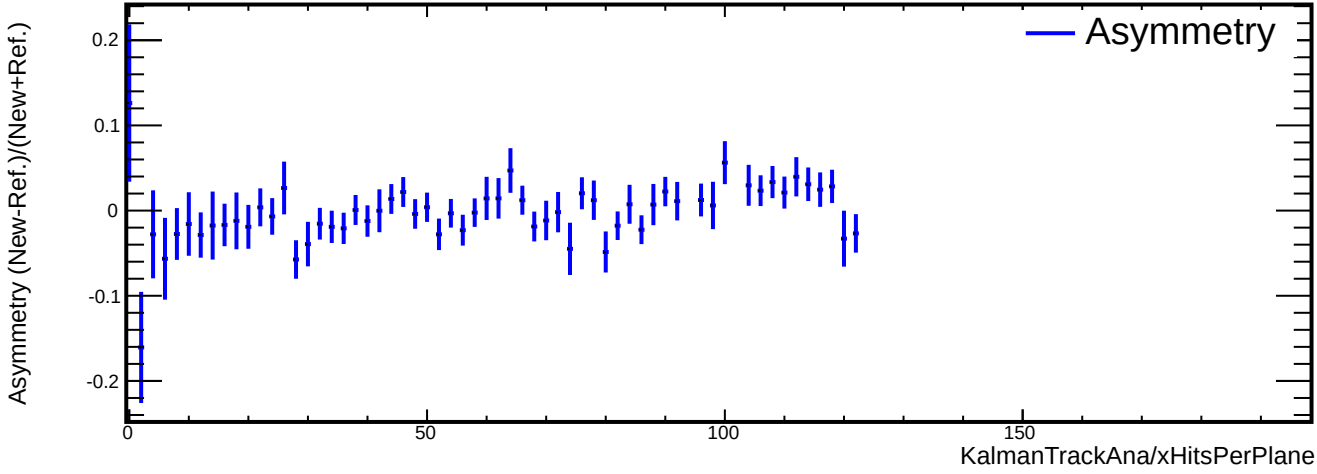

After MCTruth
KS 0.322349, chi2 0.0106619
2012-08-04
2012-08-05
2000
1500
1000
500
0
0
10
20
30
40
50
DetsimAna/fNParticles_truth

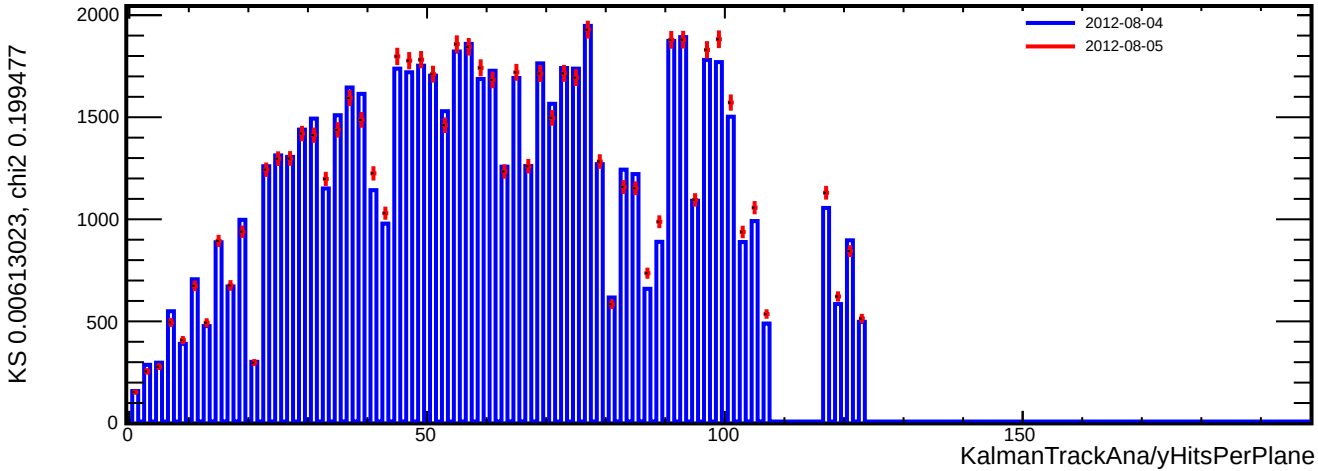

After MCTruth
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
DetsimAna/fNParticles_truth

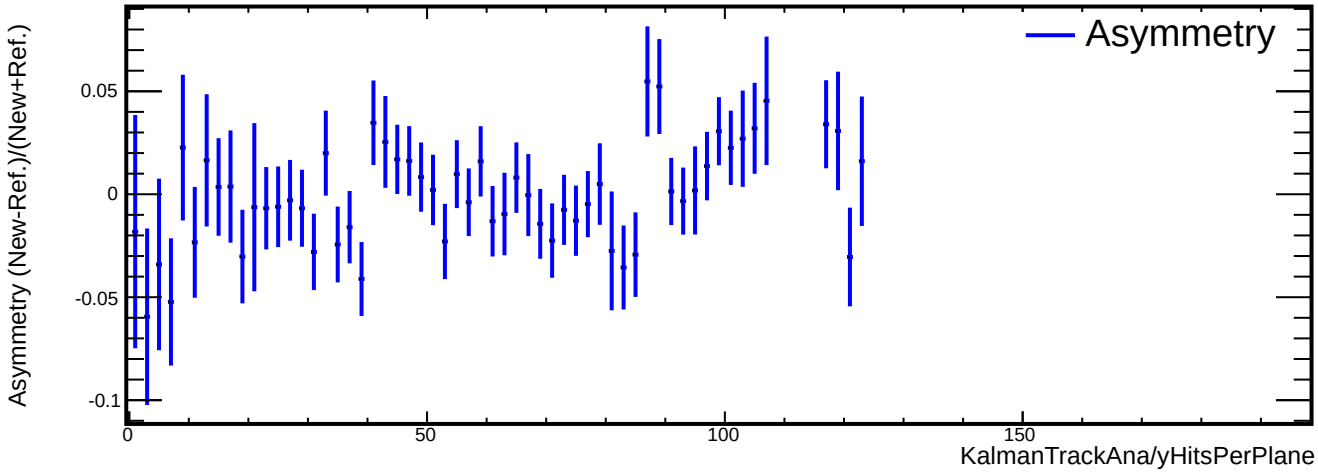

×10^3
150
100
50
0
0
0.002
0.004
0.006
0.008
0.01
2012-08-04
2012-08-05
KS 0.00031227, chi2 0.00412047
DetsimAna/fFLS_EDep_perhit

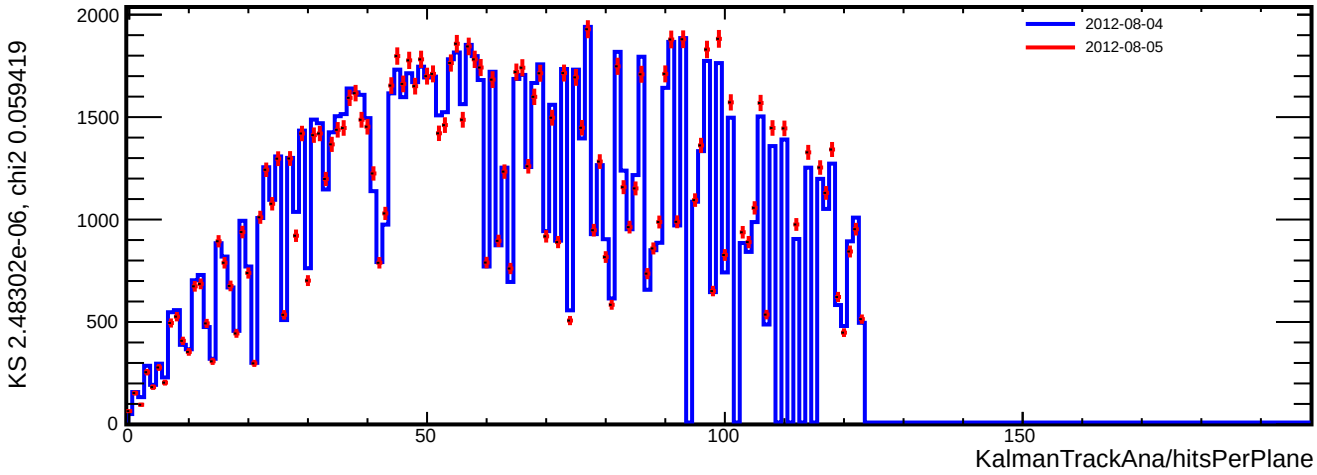

0.2
0.1
0
-0.1
0
0.002
0.004
0.006
0.008
0.01
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
DetsimAna/fFLS_EDep_perhit

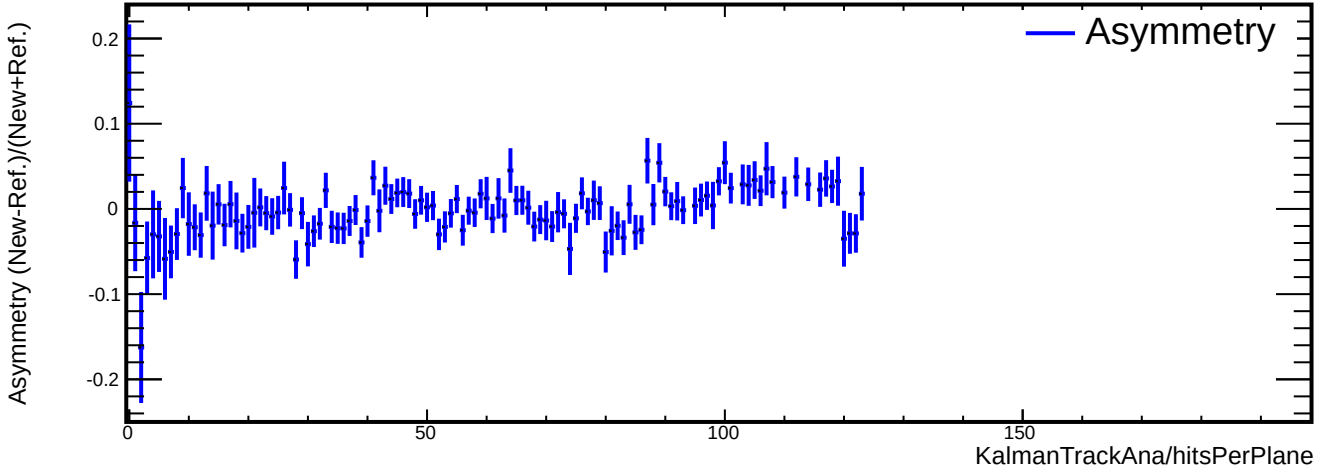

KS 0.000578831, chi2 0.0782715
2012-08-04
2012-08-05
0
500
1000
1500
0
50
100
150
KalmanTrackAna/xHitsPerPlane

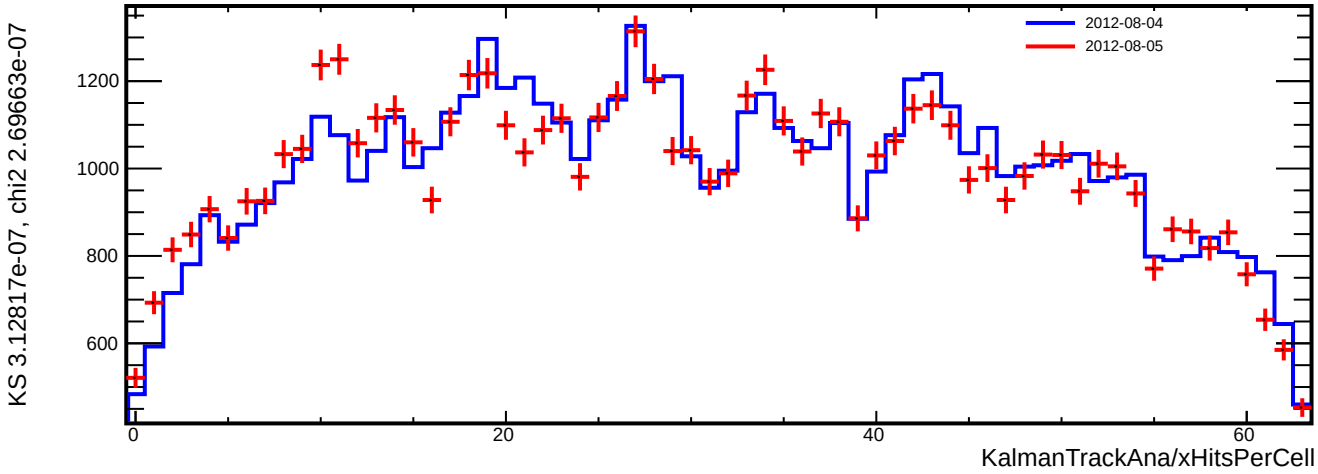

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-0.2
0
50
100
150
KalmanTrackAna/xHitsPerPlane

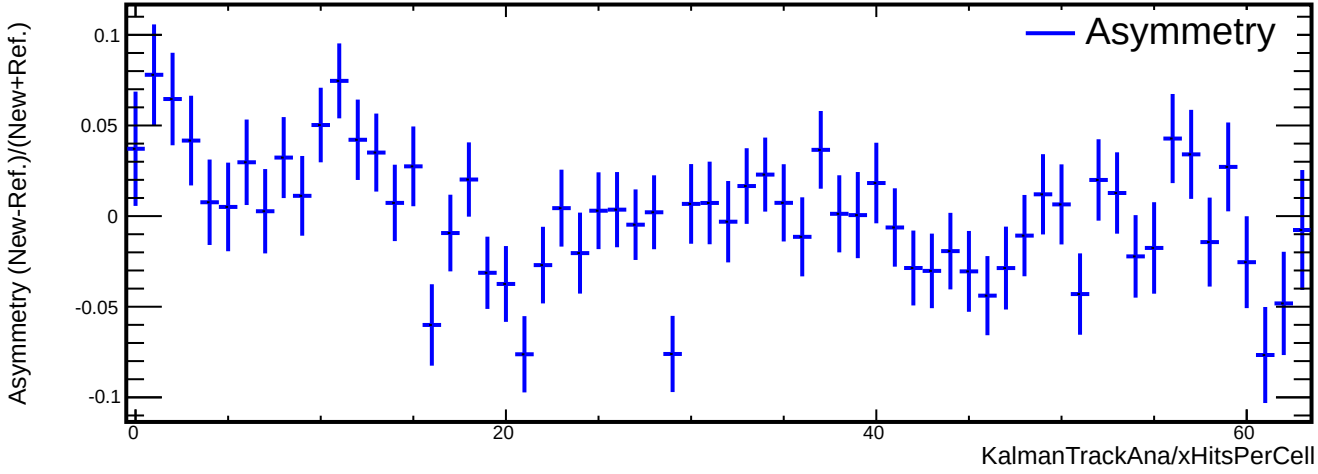

KS 0.00613023, chi2 0.199477
2012-08-04
2012-08-05
KalmanTrackAna/yHitsPerPlane

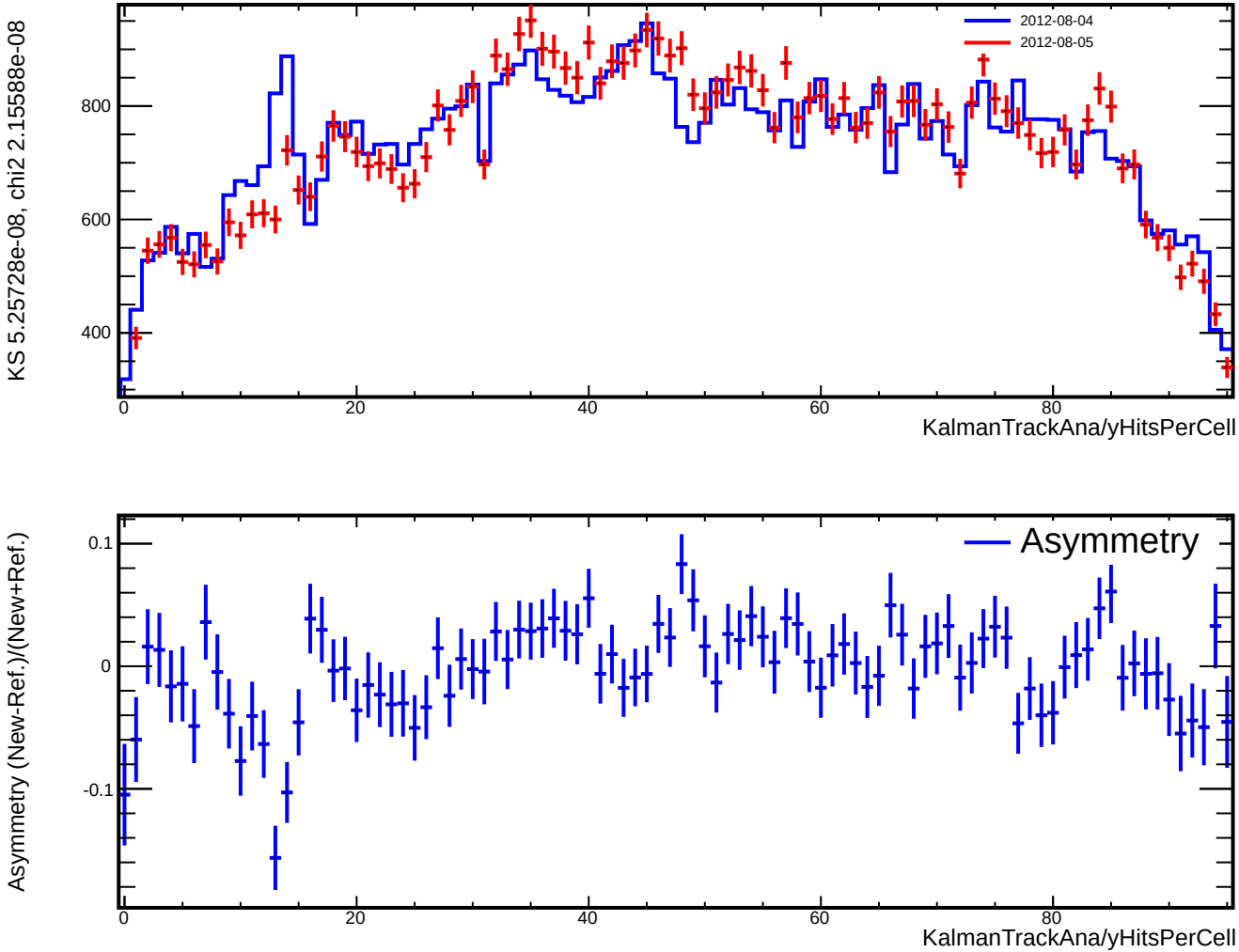

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yHitsPerPlane

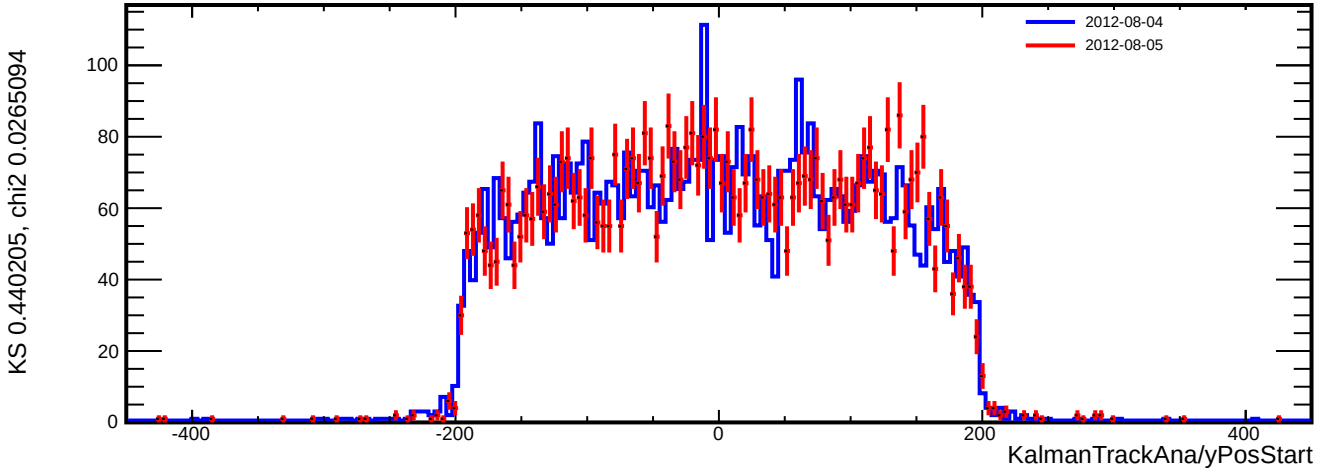

KS 2.48302e-06, chi2 0.059419
2012-08-04
2012-08-05
KalmanTrackAna/hitsPerPlane

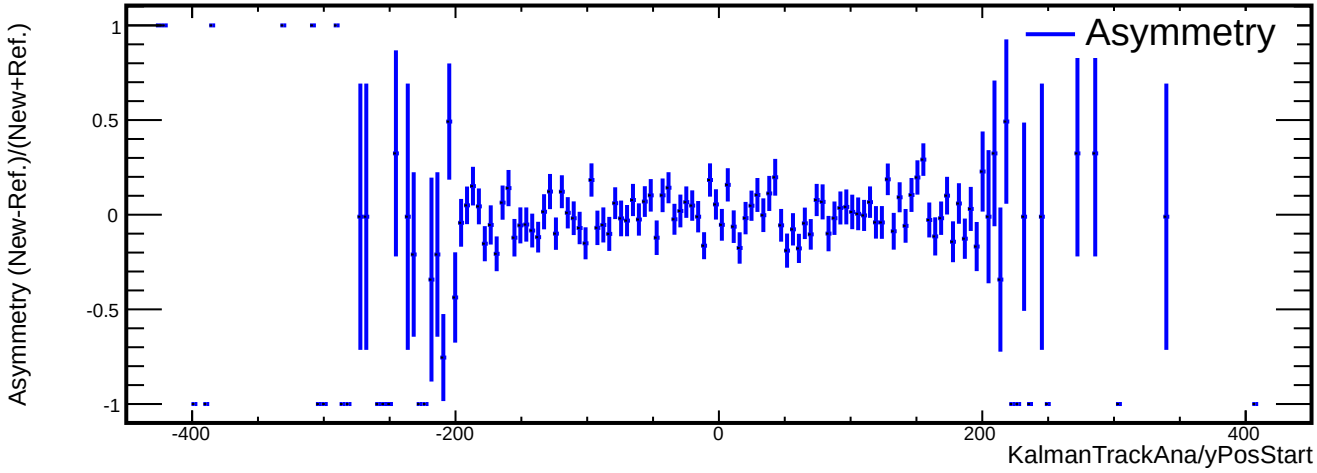

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/hitsPerPlane

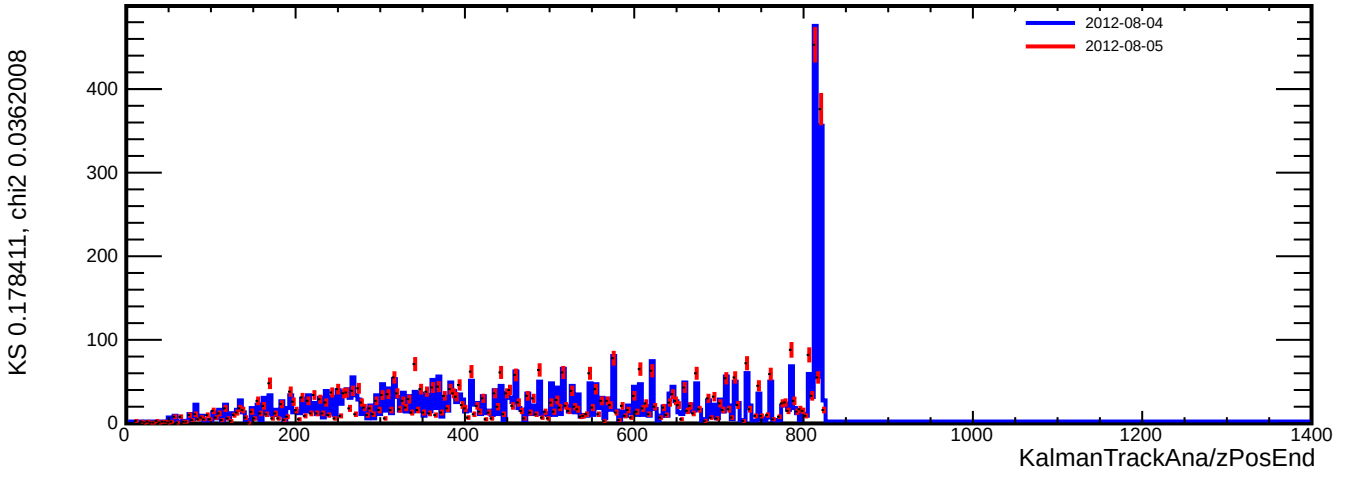

KS 3.12817e-07, chi2 2.69663e-07
2012-08-04
2012-08-05
1200
1000
800
600
0
20
40
60
KalmanTrackAna/xHitsPerCell

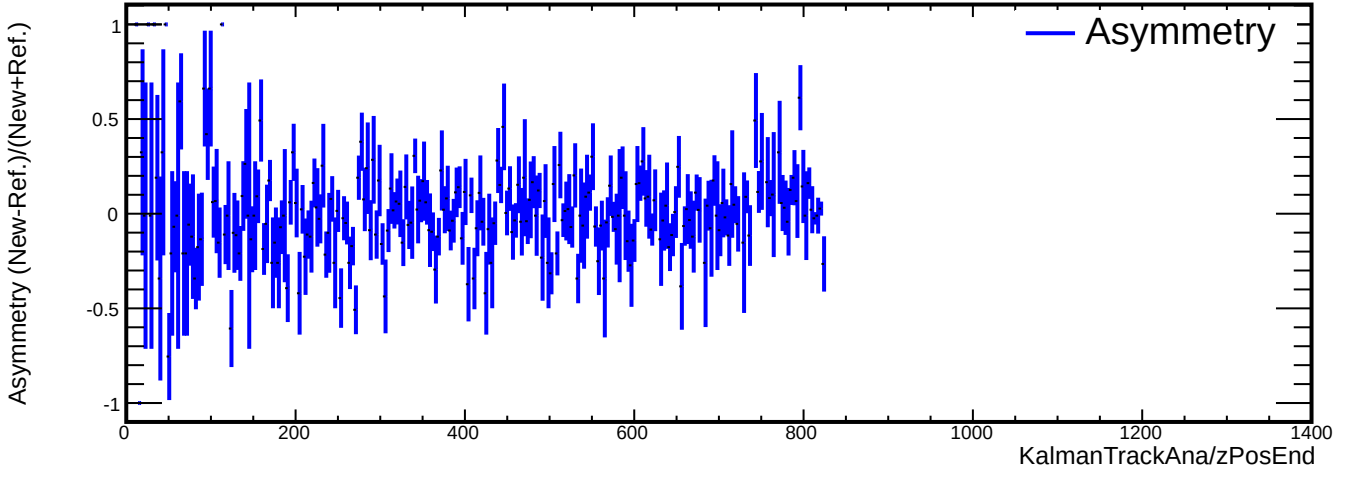

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
20
40
60
KalmanTrackAna/xHitsPerCell

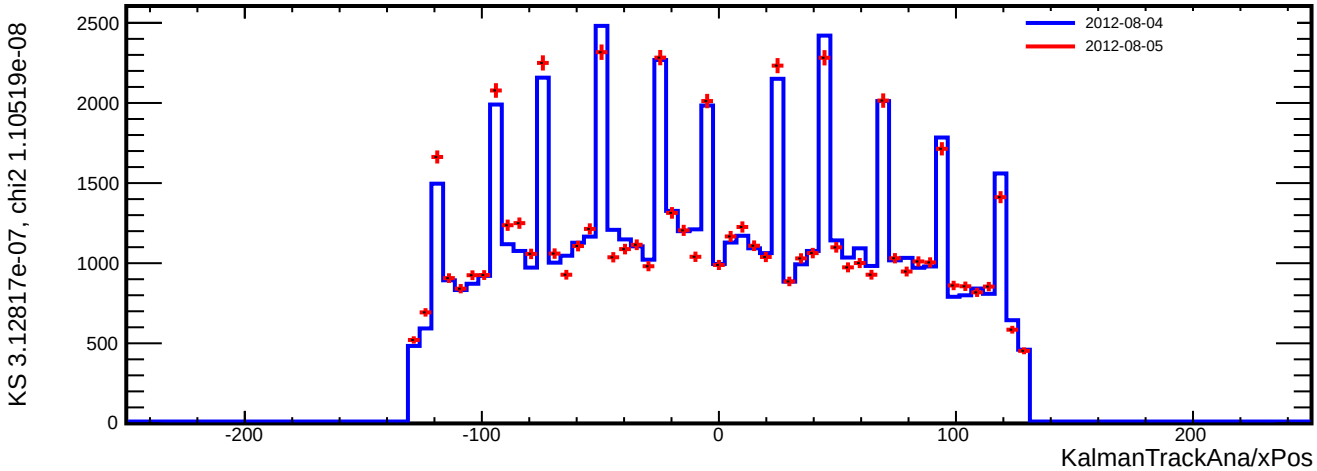

KS 5.25728e-08, chi2 2.15588e-08
2012-08-04
2012-08-05
800
600
400
0
20
40
60
80
KalmanTrackAna/yHitsPerCell
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0
-0.1
0
20
40
60
80
KalmanTrackAna/yHitsPerCell

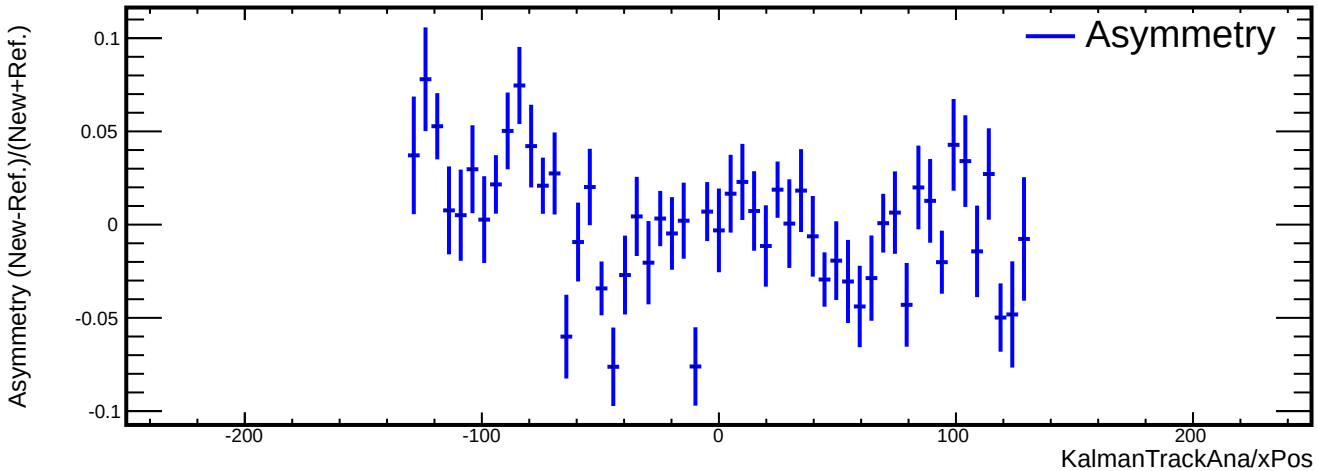

KS 0.440205, chi2 0.0265094
2012-08-04
2012-08-05
100
80
60
40
20
0
-400
-200
0
200
400
KalmanTrackAna/yPosStart

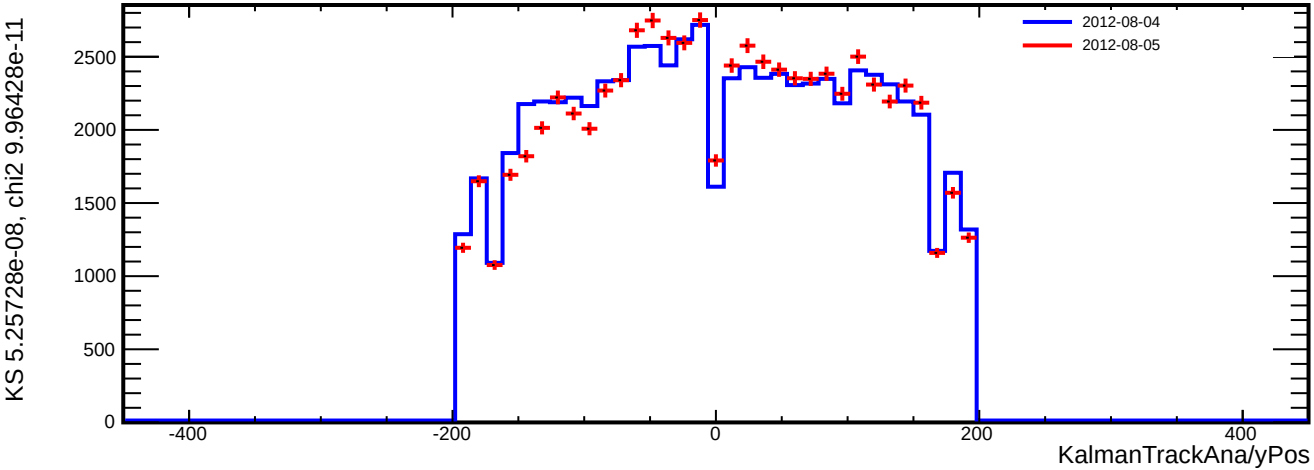

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-400
-200
0
200
400
KalmanTrackAna/yPosStart

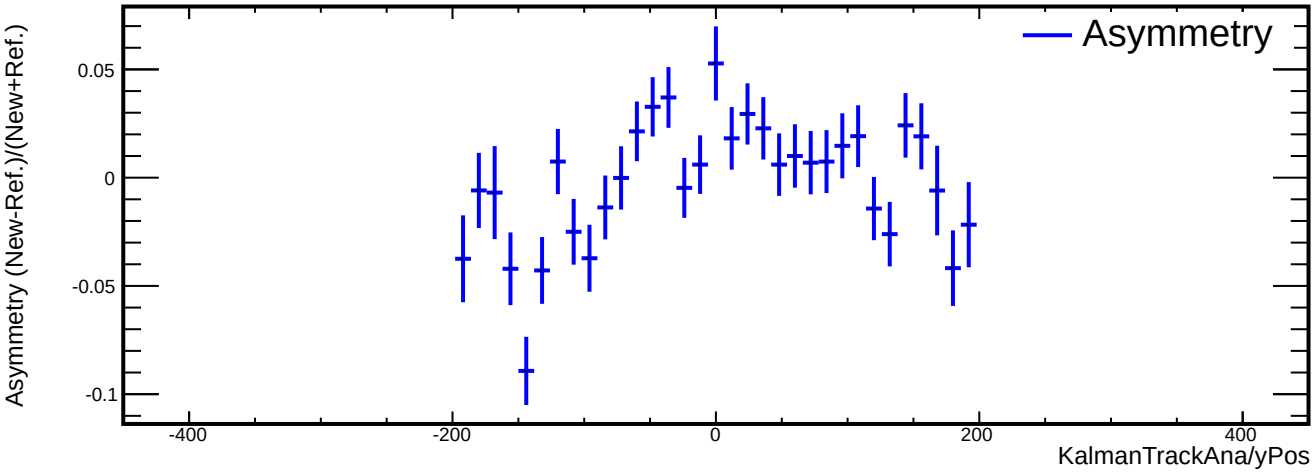

KS 0.178411, chi2 0.0362008
2012-08-04
2012-08-05
0
100
200
300
400
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosEnd

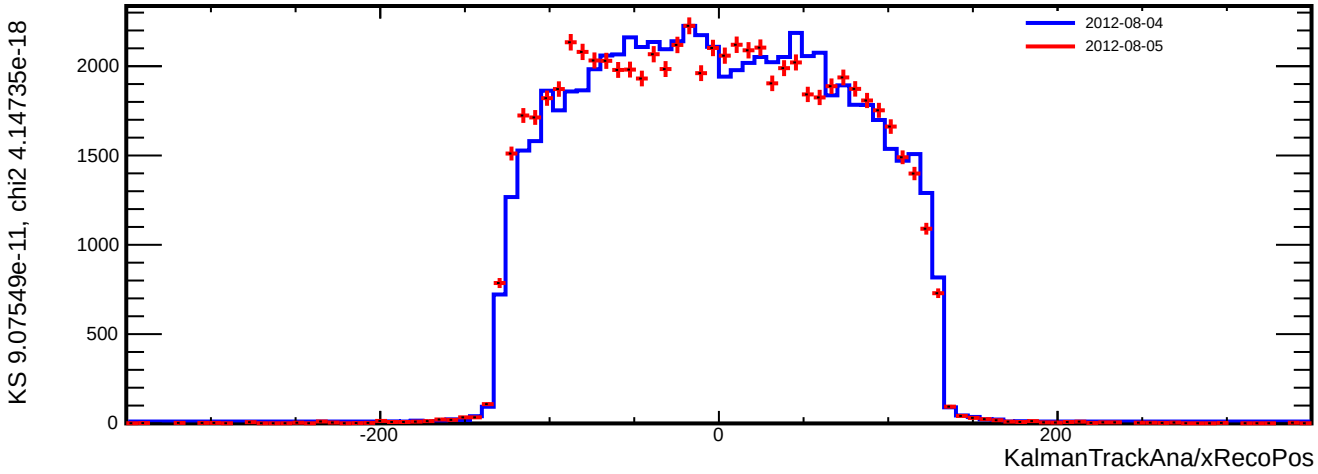

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosEnd

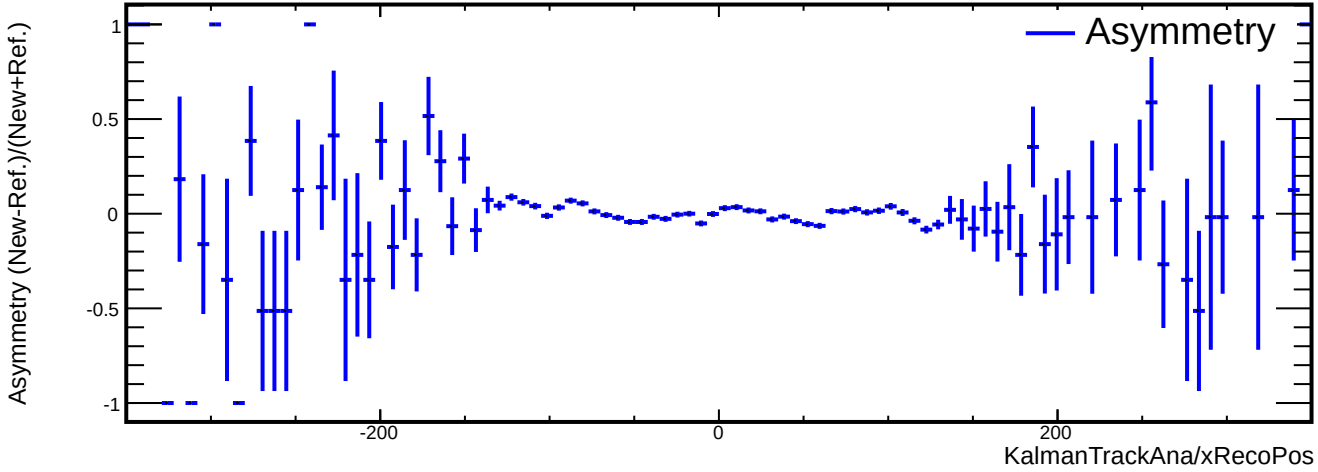

KS 3.12817e-07, chi2 1.10519e-08
2012-08-04
2012-08-05
KalmanTrackAna/xPos

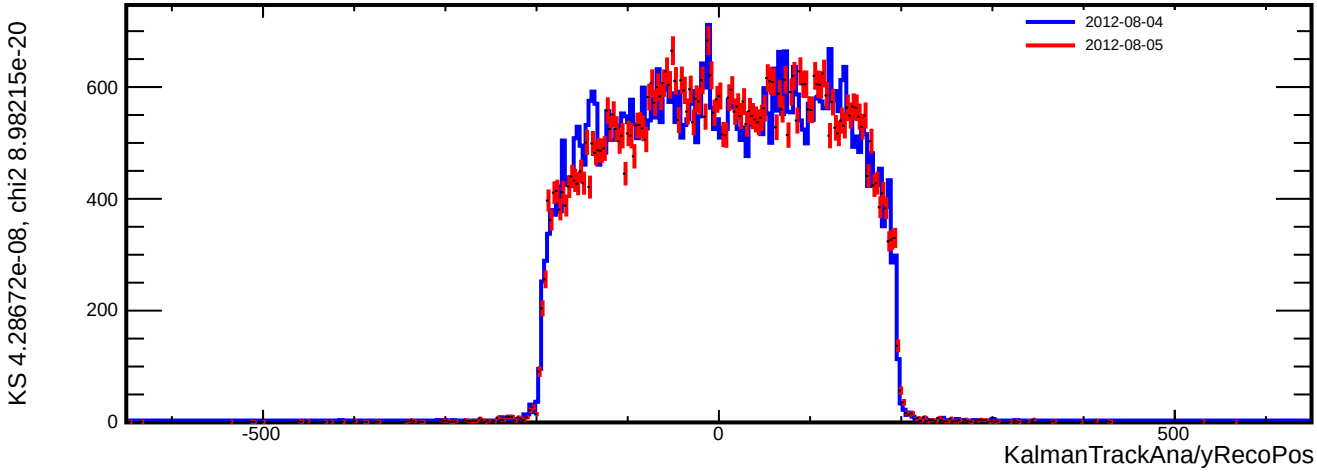

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/xPos

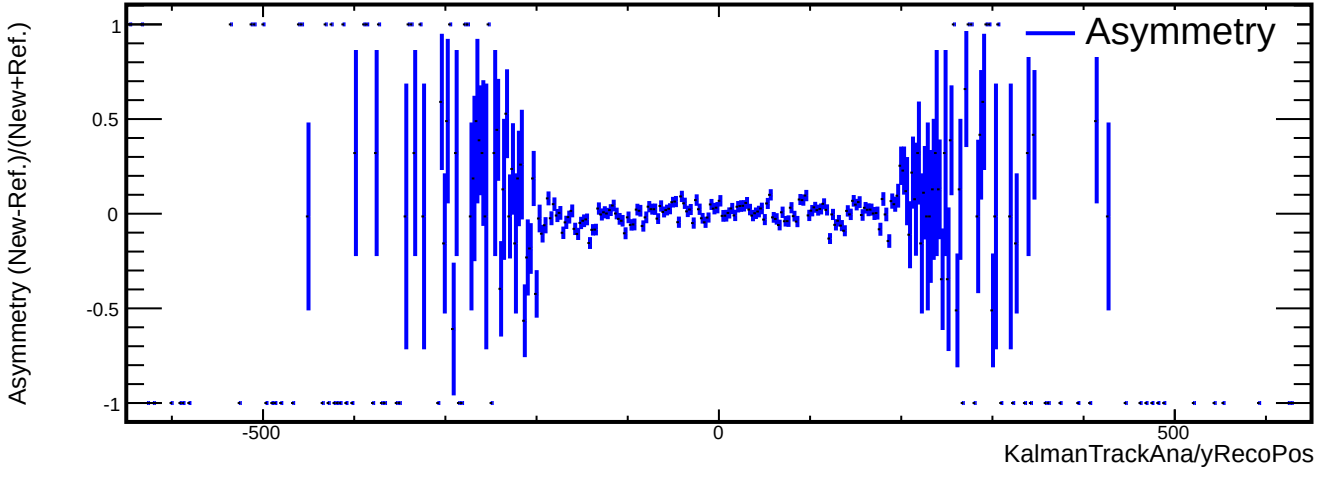

KS 5.25728e-08, chi2 9.96428e-11
2012-08-04
2012-08-05
2500
2000
1500
1000
500
0
-400
-200
0
200
400
KalmanTrackAna/yPos

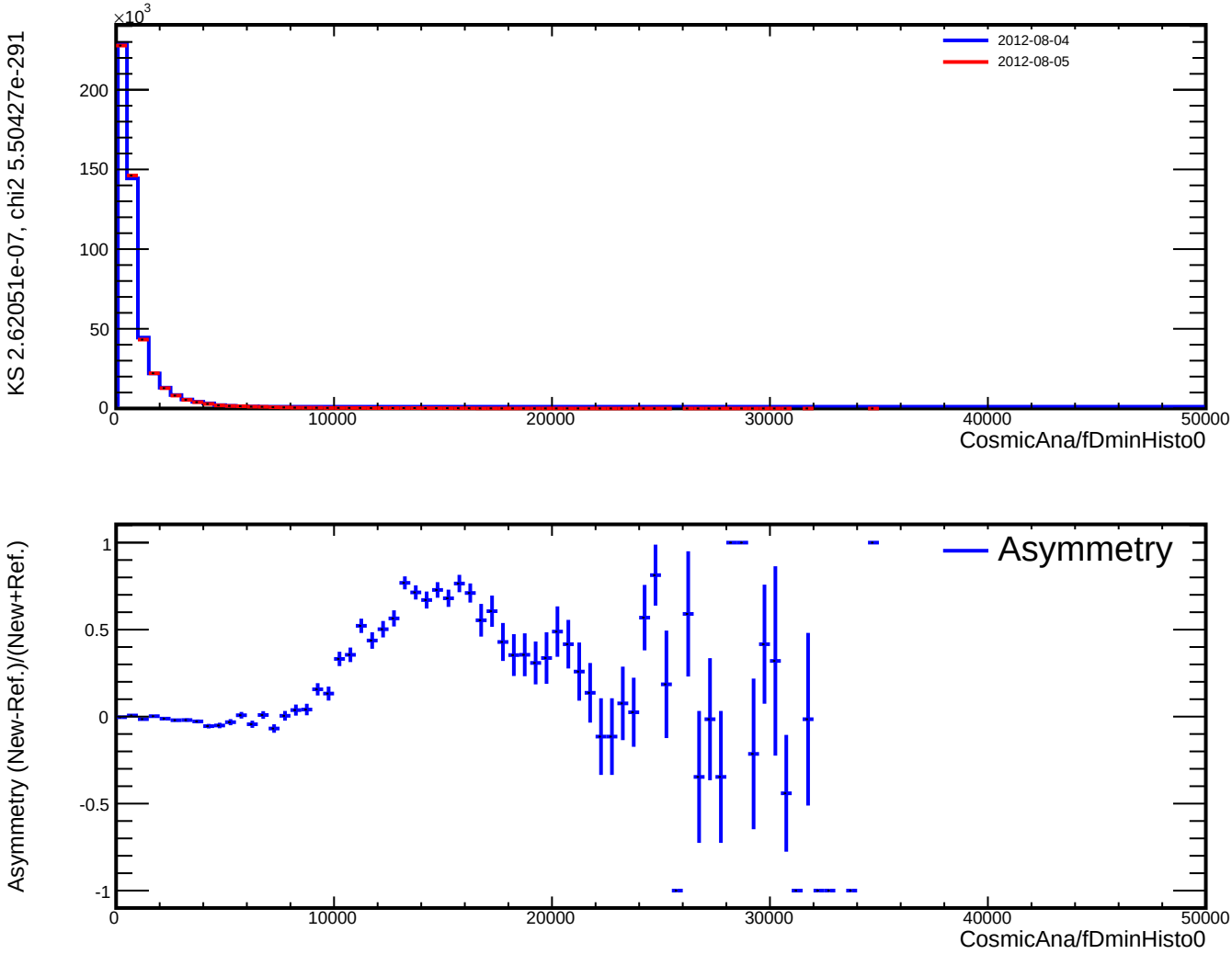

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
-400
-200
0
200
400
KalmanTrackAna/yPos

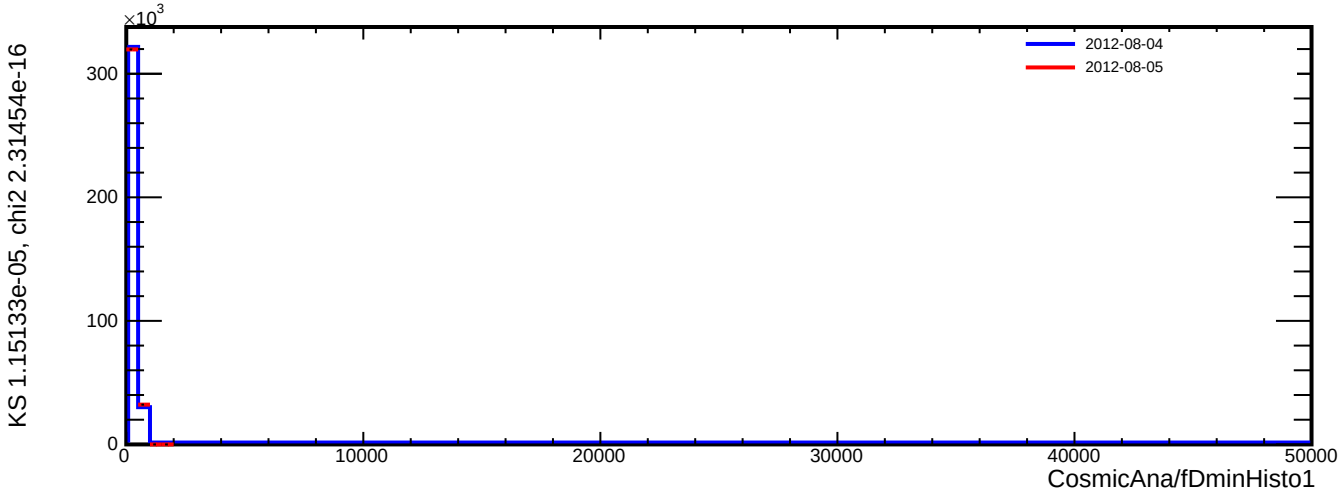

KS 9.07549e-11, chi2 4.14735e-18
2012-08-04
2012-08-05
2000
1500
1000
500
0
-200
0
200
KalmanTrackAna/xRecoPos

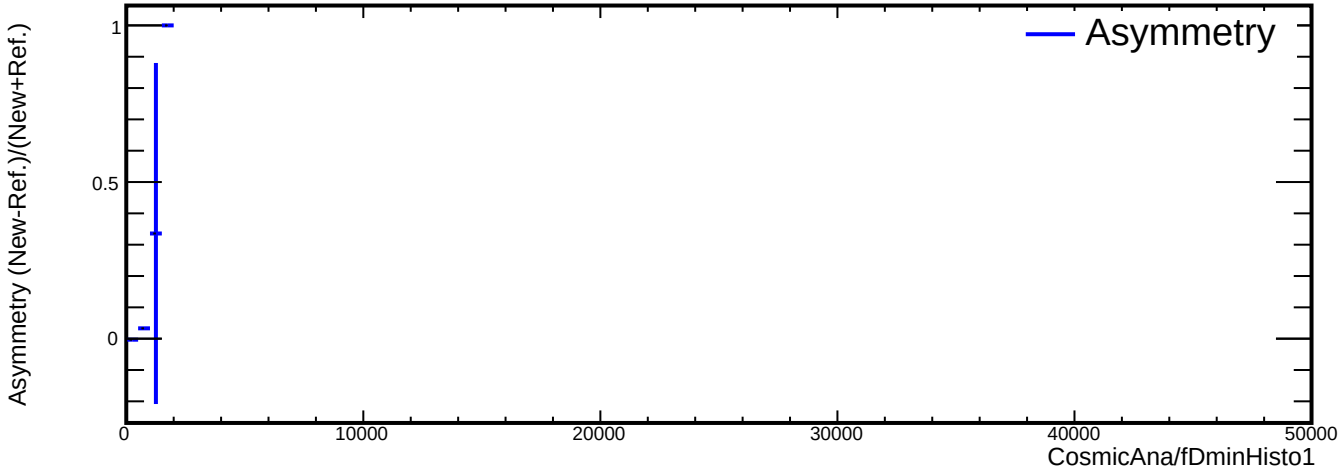

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
0
200
KalmanTrackAna/xRecoPos

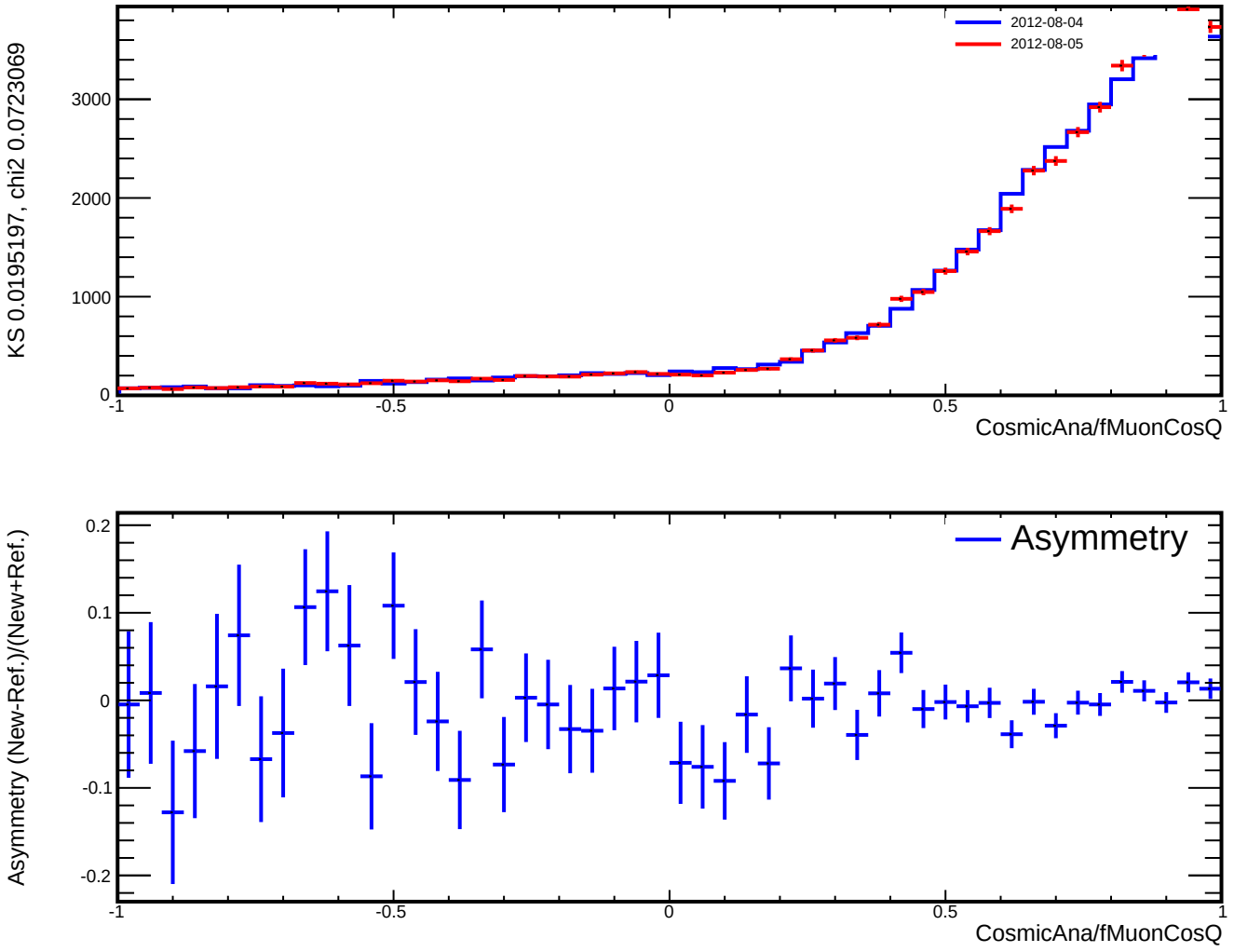

KS 4.28672e-08, chi2 8.98215e-20
2012-08-04
2012-08-05
600
400
200
0
-500
0
500
KalmanTrackAna/yRecoPos

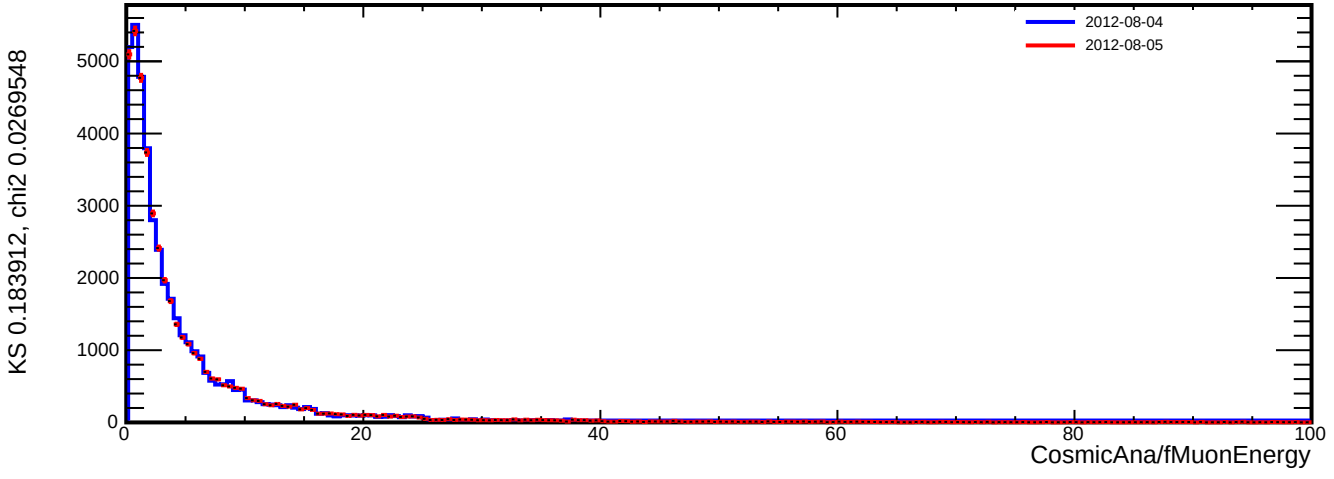

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-500
0
500
KalmanTrackAna/yRecoPos

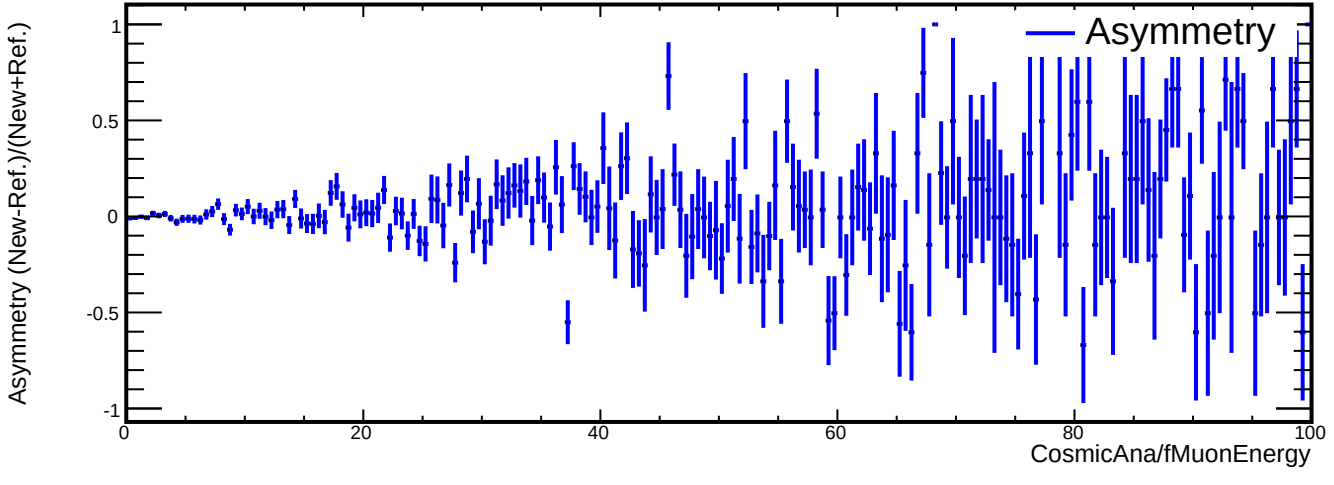

KS 2.62051e-07, chi2 5.50427e-291
×10^3
2012-08-04
2012-08-05
CosmicAna/fDminHisto0
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
CosmicAna/fDminHisto0

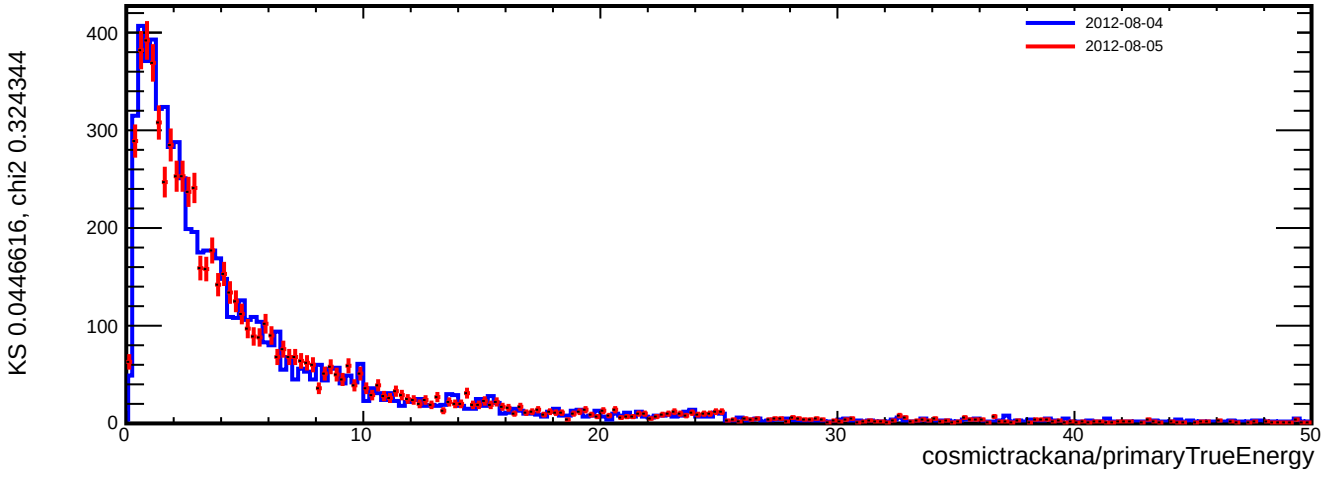

×10^3
300
200
100
0
0
10000
20000
30000
40000
50000
2012-08-04
2012-08-05
KS 1.15133e-05, chi2 2.31454e-16
CosmicAna/fDminHisto1

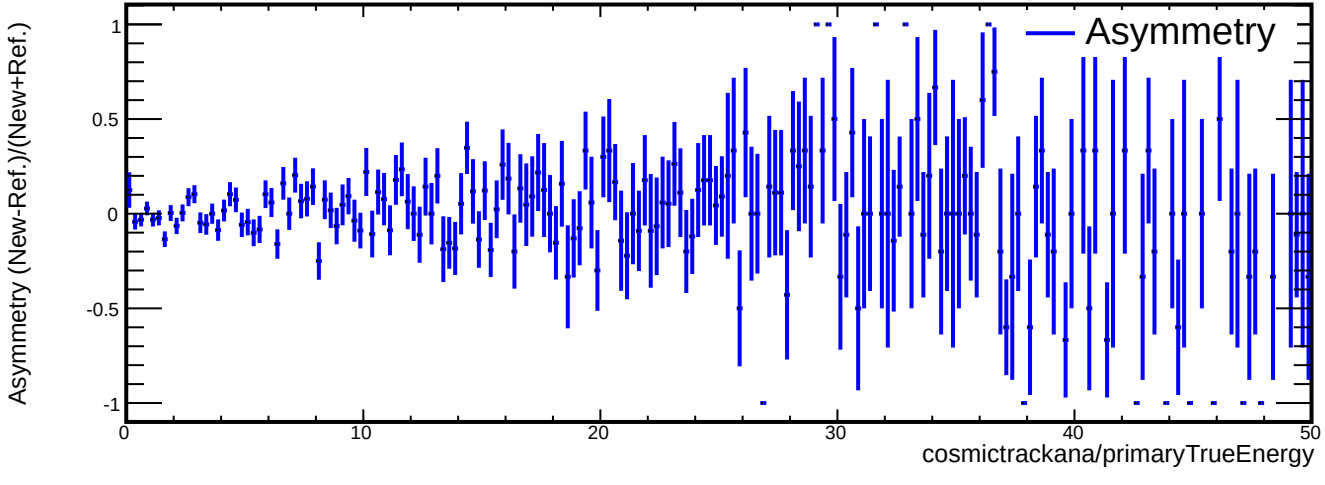

1
0.5
0
0
10000
20000
30000
40000
50000
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
CosmicAna/fDminHisto1

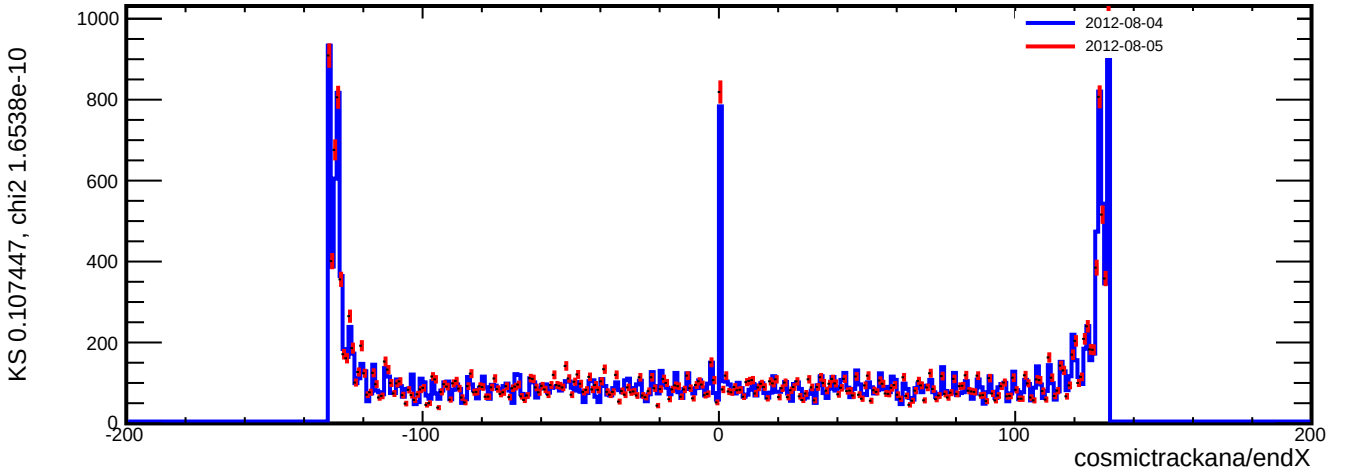

KS 0.0195197, chi2 0.0723069
2012-08-04
2012-08-05
3000
2000
1000
0
-1
-0.5
0
0.5
1
CosmicAna/fMuonCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-0.2
-1
-0.5
0
0.5
1
CosmicAna/fMuonCosQ

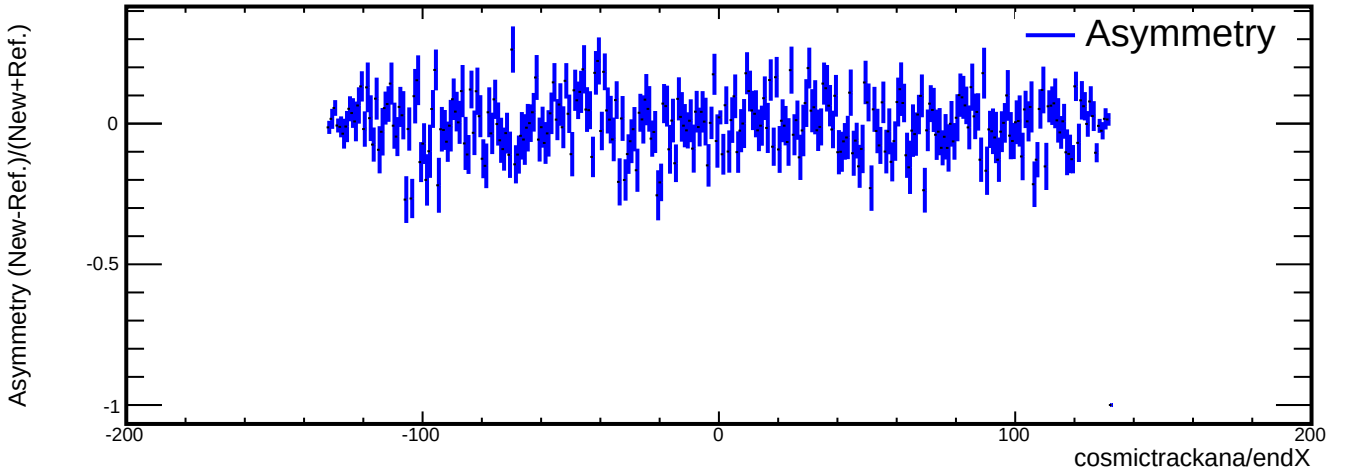

KS 0.183912, chi2 0.0269548
2012-08-04
2012-08-05
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
CosmicAna/fMuonEnergy

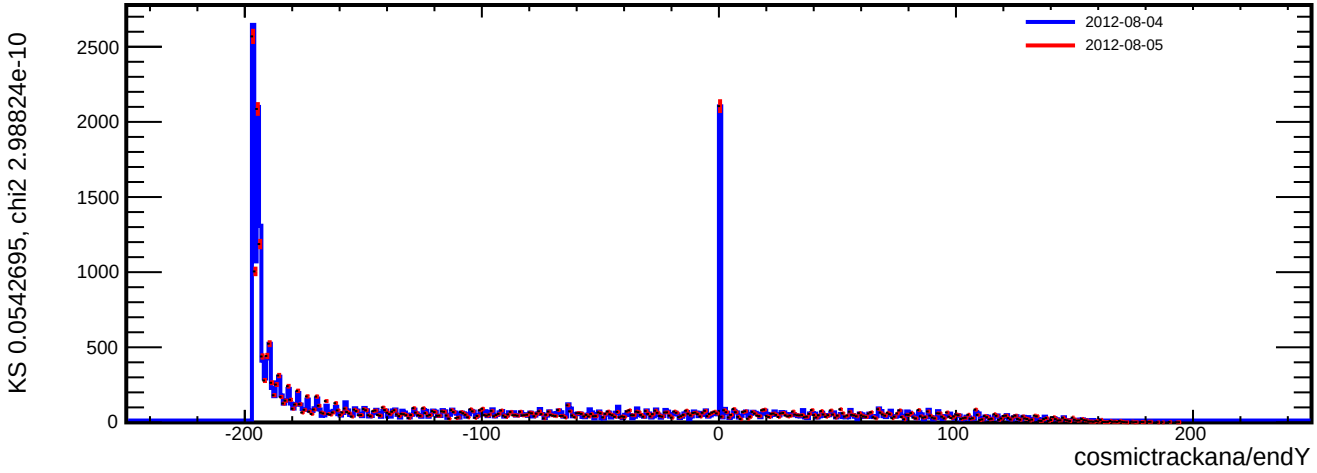

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
20
40
60
80
100
CosmicAna/fMuonEnergy

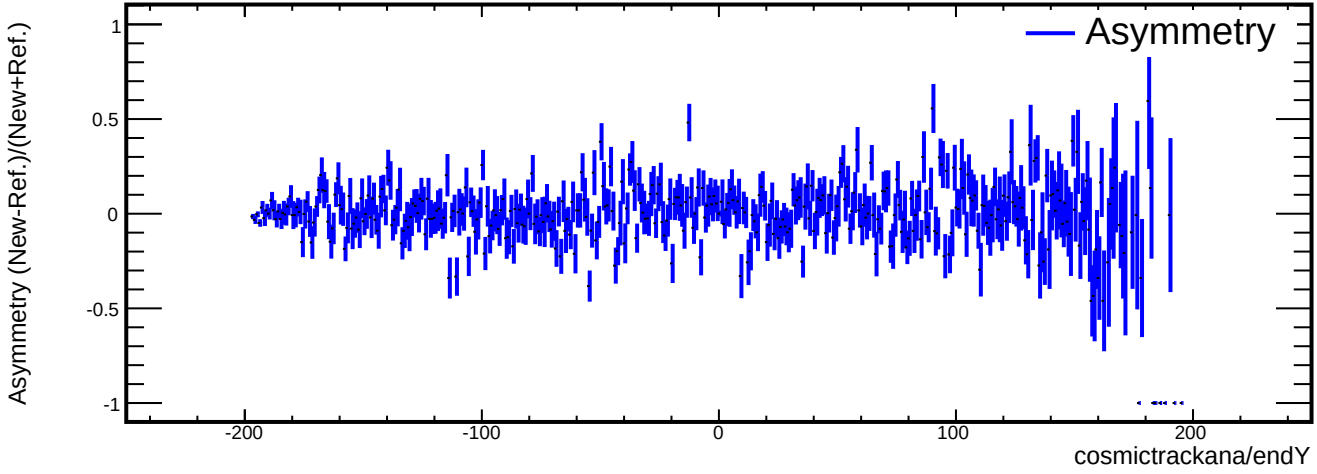

KS 0.0446616, chi2 0.324344
2012-08-04
2012-08-05
cosmictrackana/primaryTrueEnergy

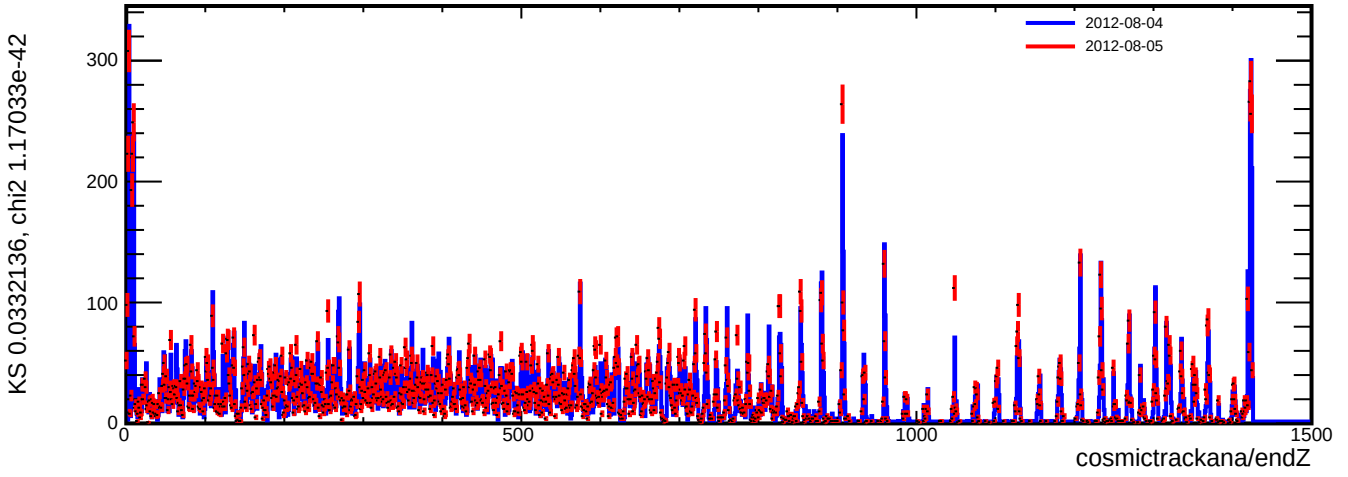

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/primaryTrueEnergy

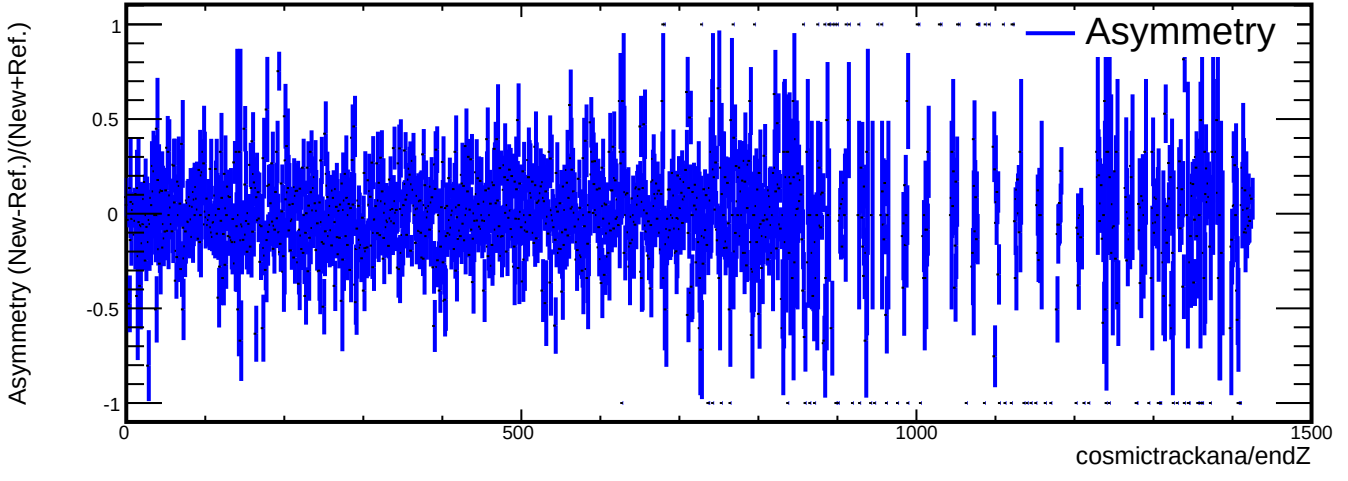

KS 0.107447, chi2 1.6538e-10
2012-08-04
2012-08-05
cosmictrackana/endX

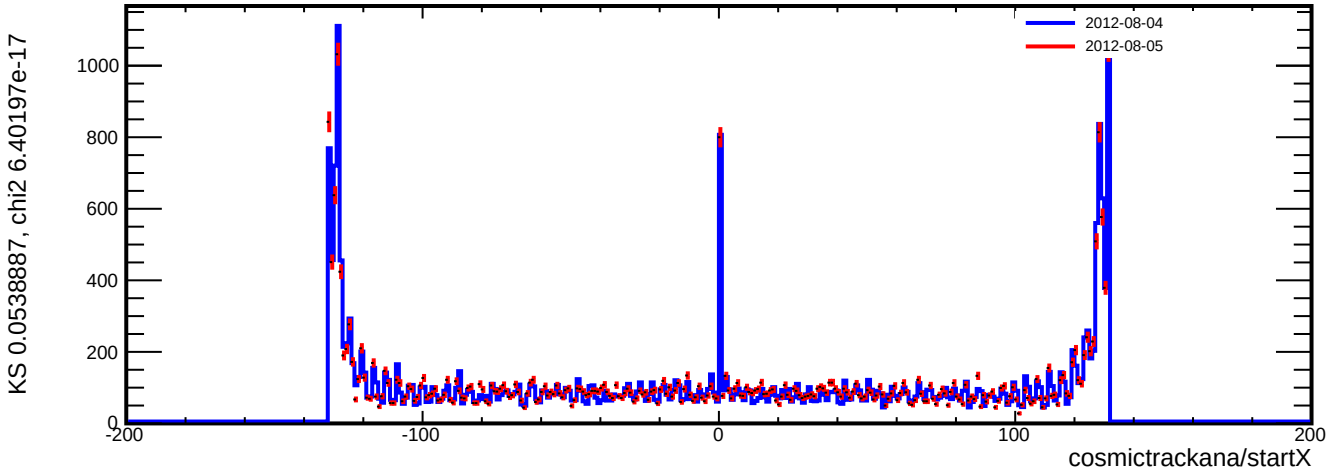

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/endX

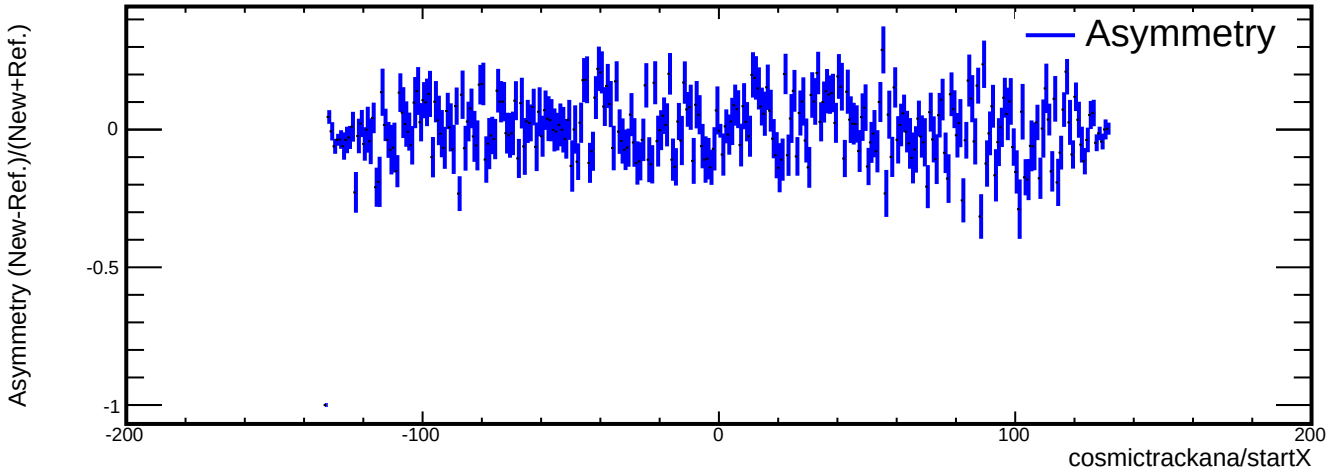

KS 0.0542695, chi2 2.98824e-10
2012-08-04
2012-08-05
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

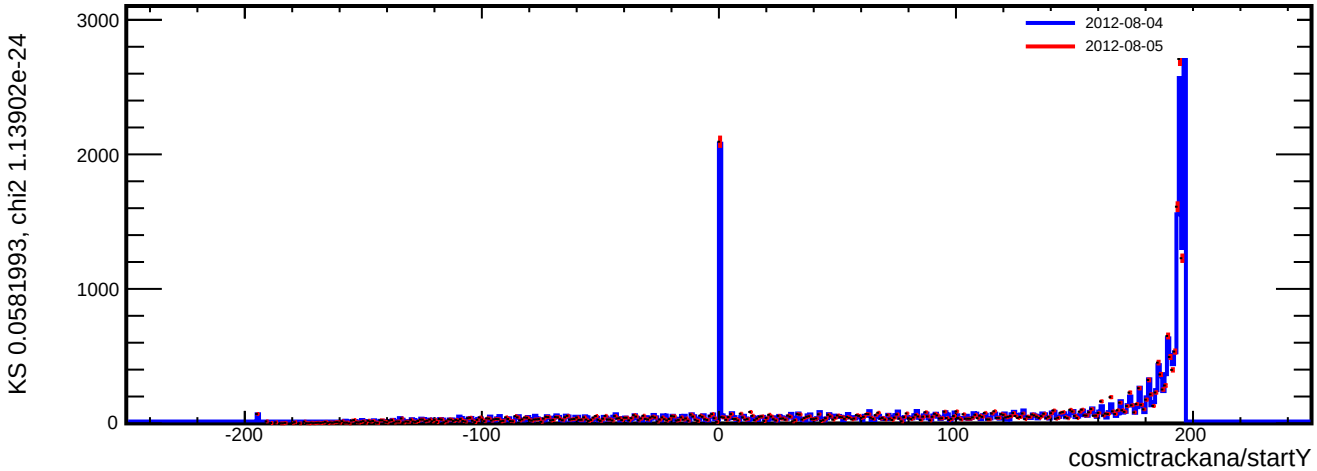

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

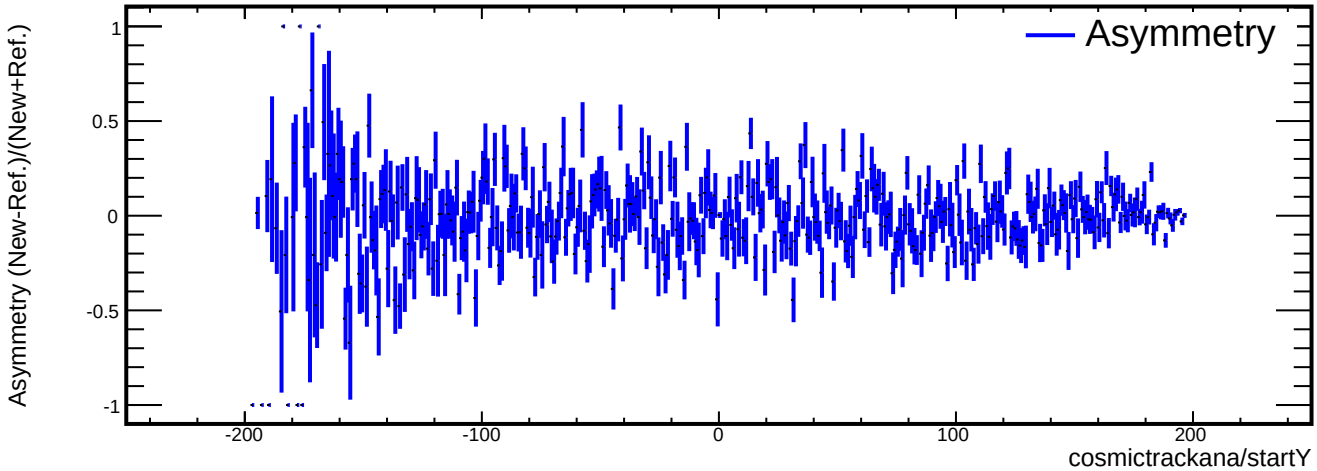

KS 0.0332136, chi2 1.17033e-42
2012-08-04
2012-08-05
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

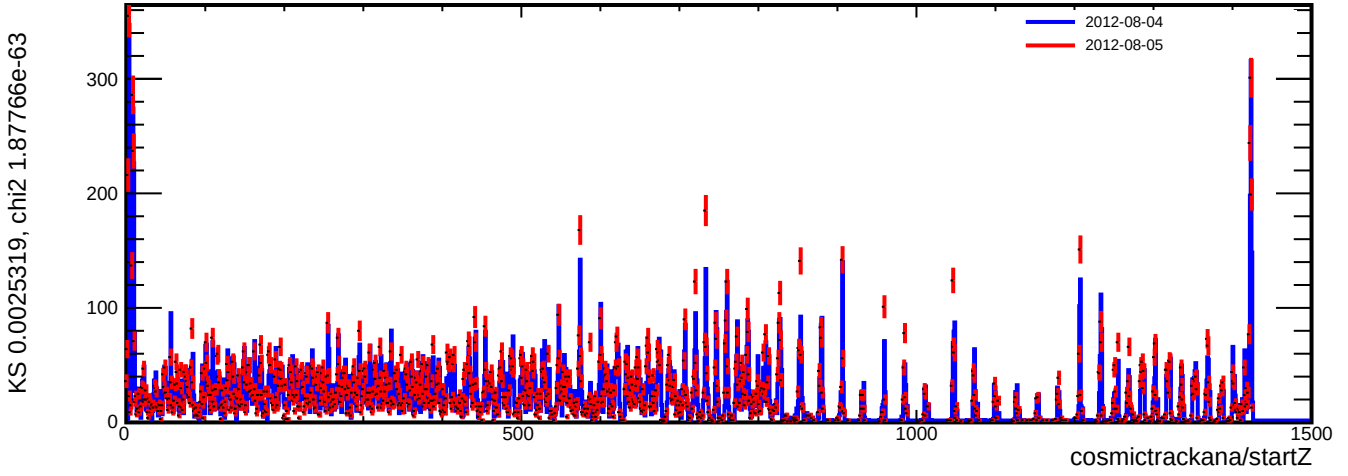

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

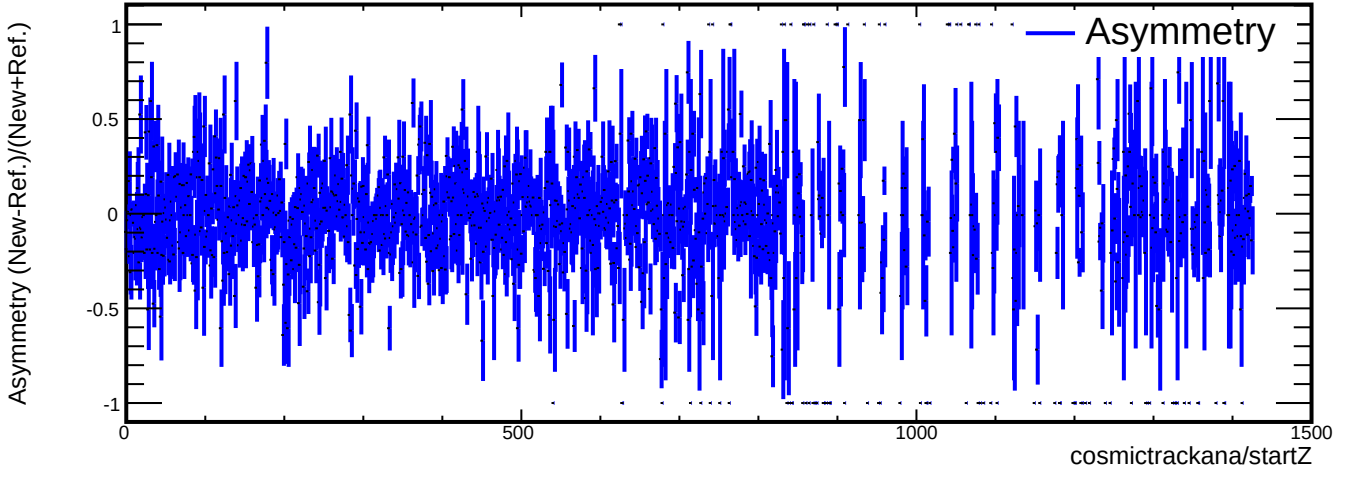

KS 0.0538887, chi2 6.40197e-17
2012-08-04
2012-08-05
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

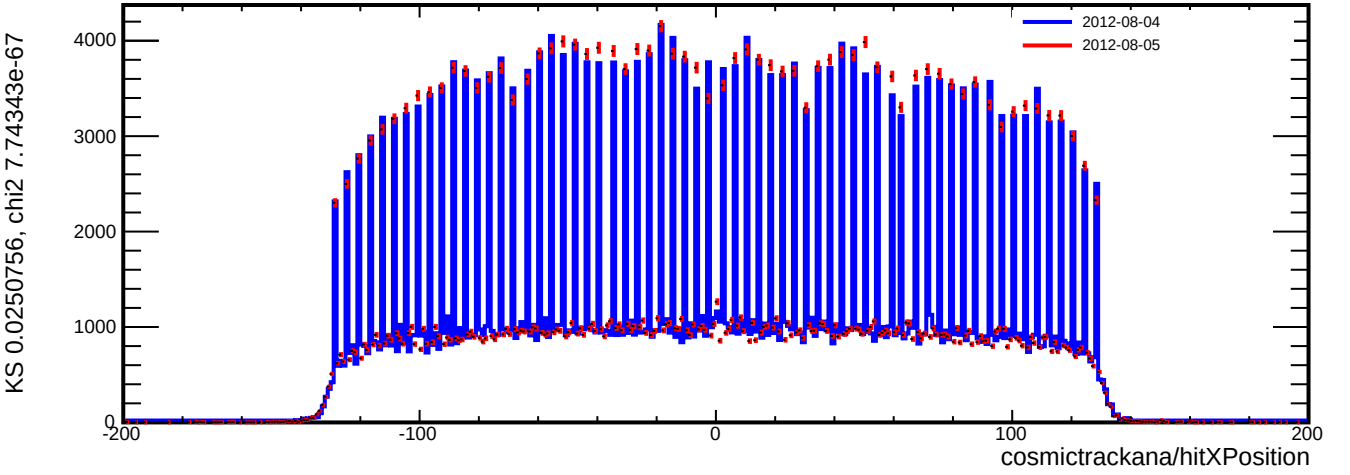

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startX

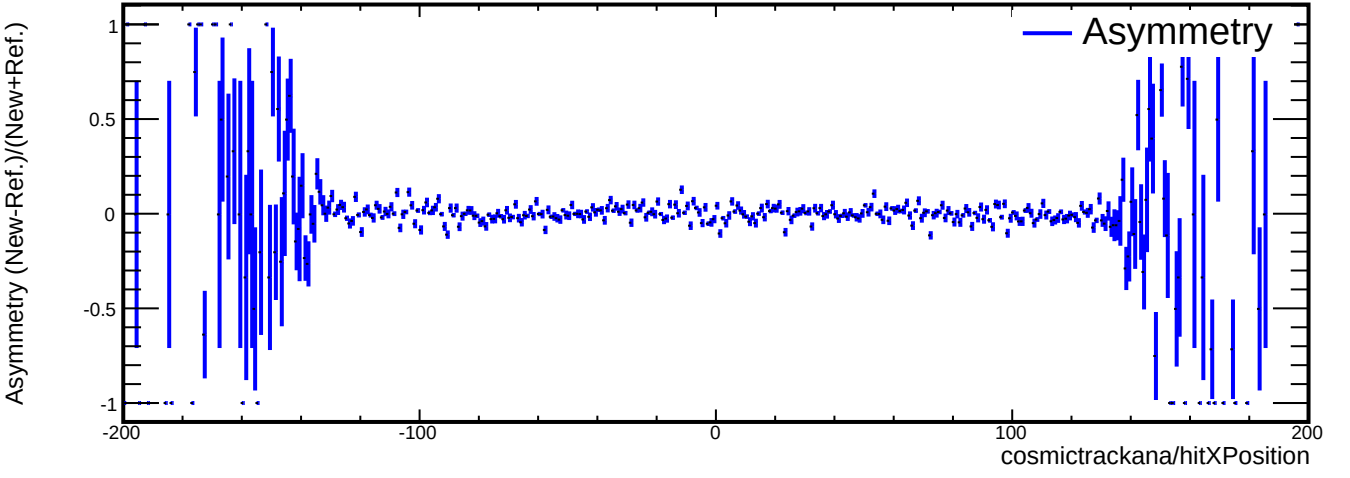

KS 0.0581993, chi2 1.13902e-24
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2012-08-04
2012-08-05

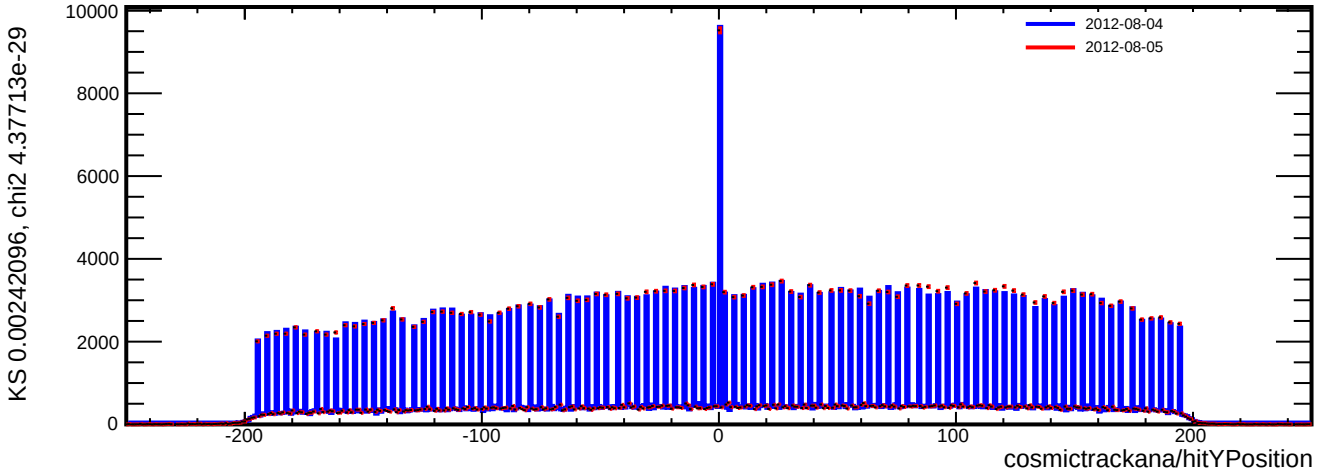

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

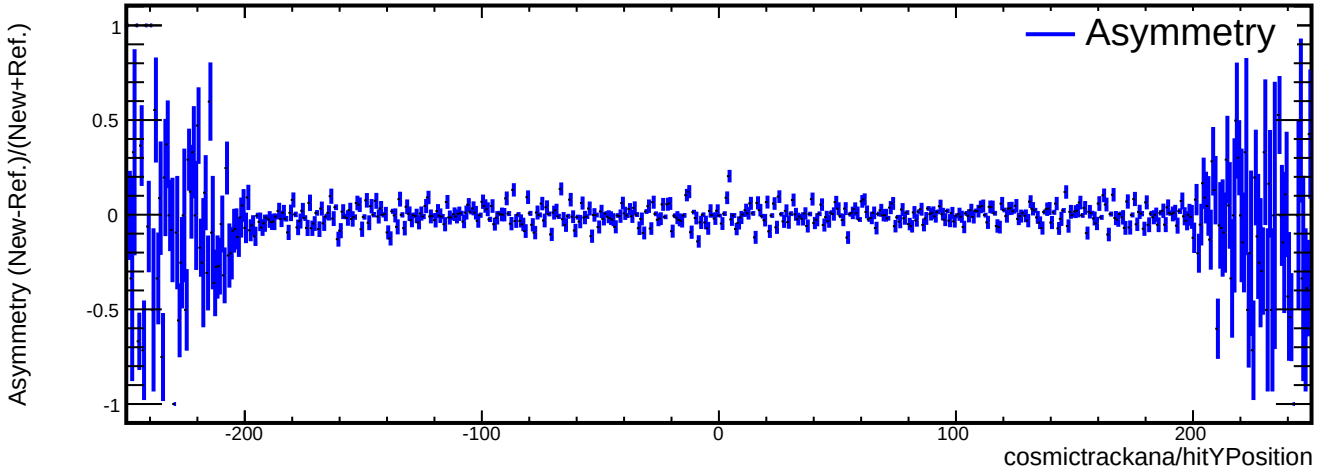

KS 0.0025319, chi2 1.87766e-63
2012-08-04
2012-08-05
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

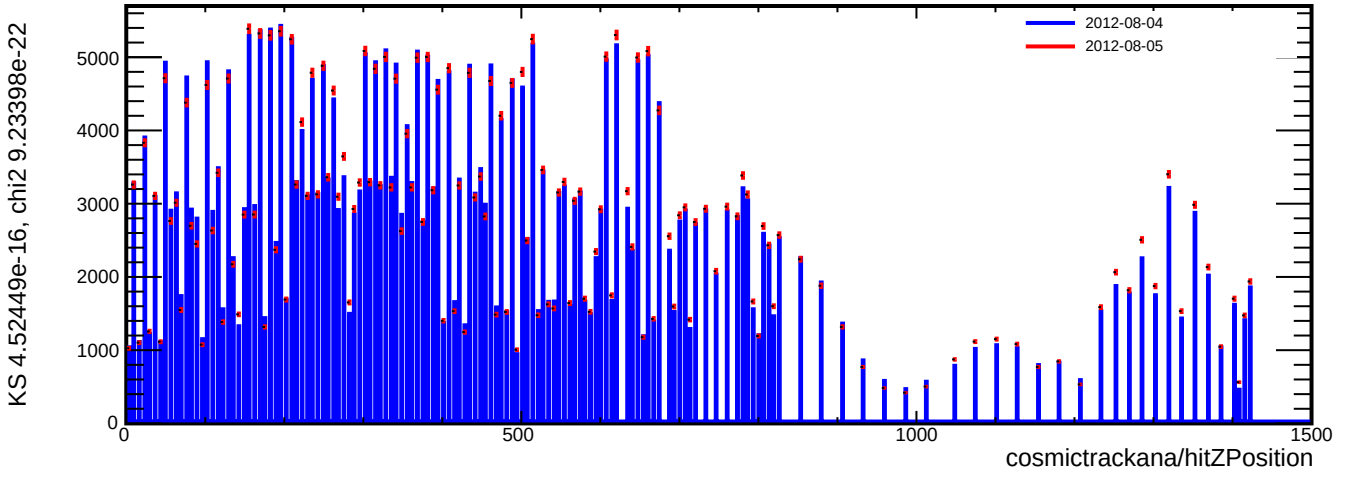

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

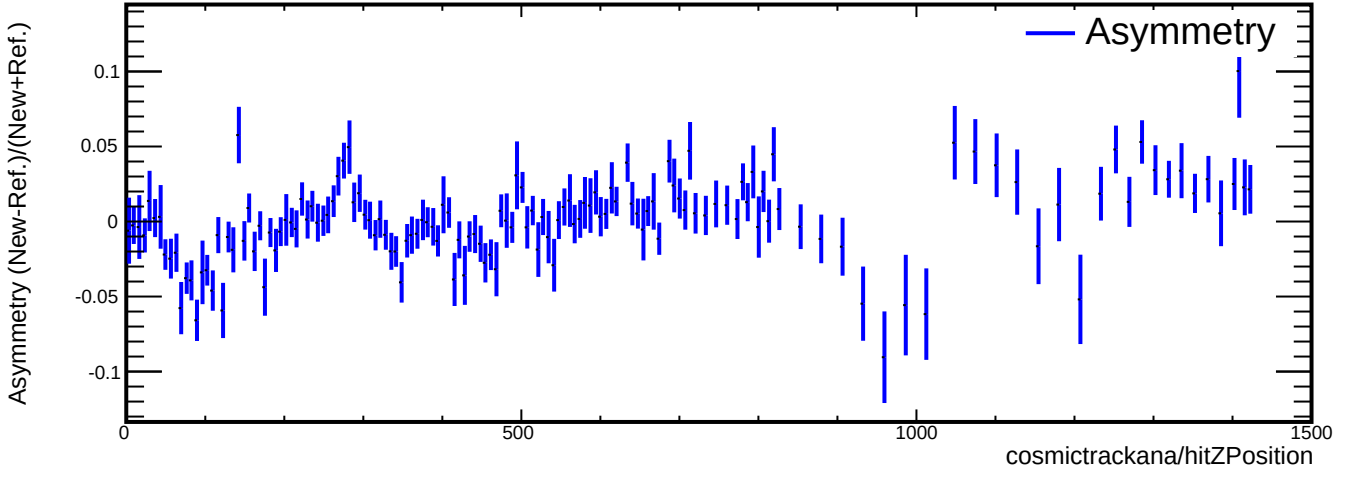

KS 0.0250756, chi2 7.74343e-67
2012-08-04
2012-08-05
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

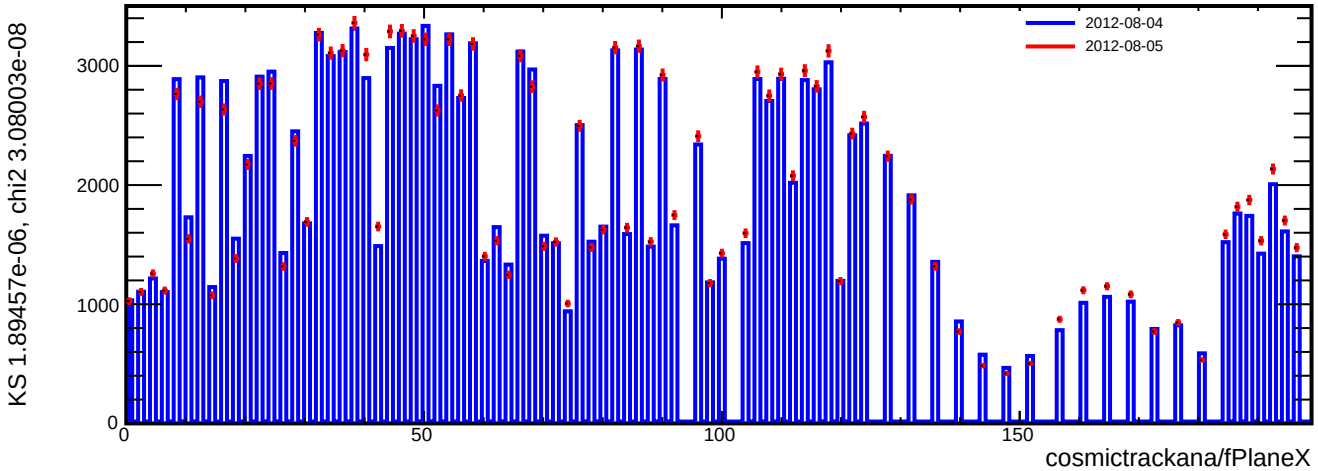

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

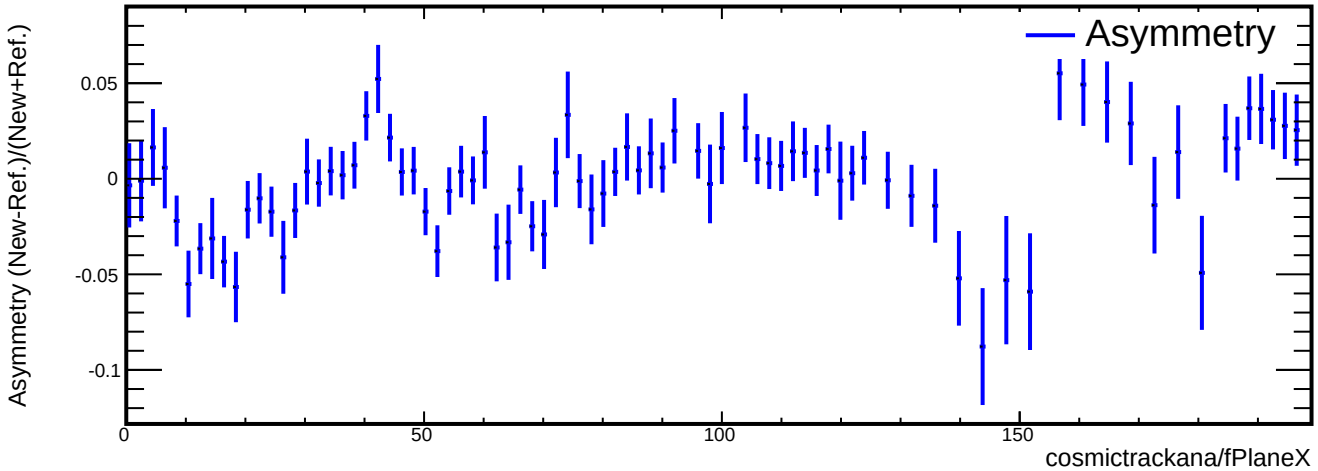

KS 0.00242096, chi2 4.37713e-29
10000
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition
2012-08-04
2012-08-05

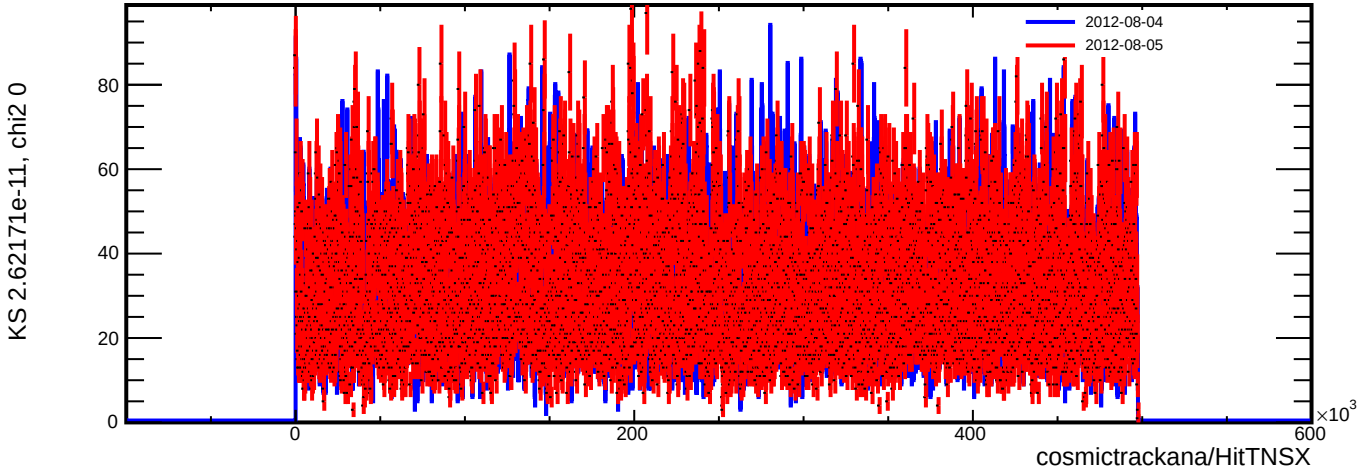

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition
Asymmetry

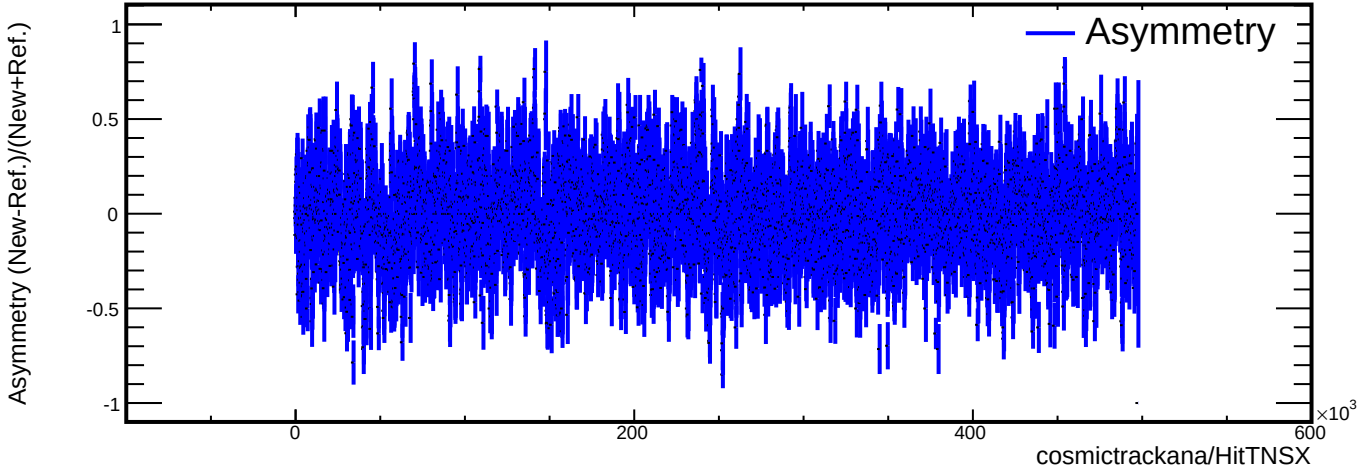

KS 4.52449e-16, chi2 9.23398e-22
2012-08-04
2012-08-05
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

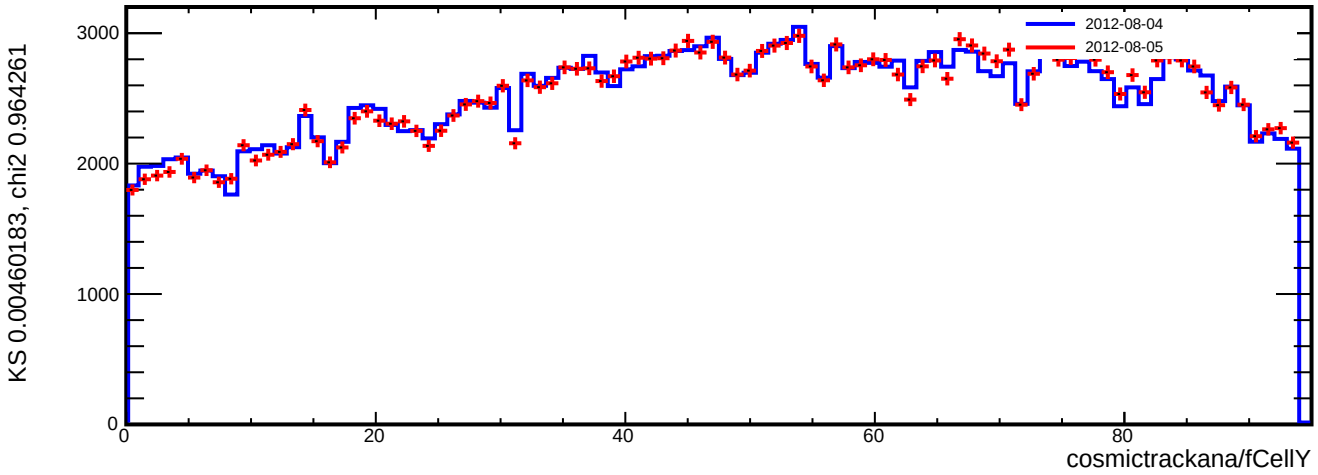

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
500
1000
1500
cosmictrackana/hitZPosition

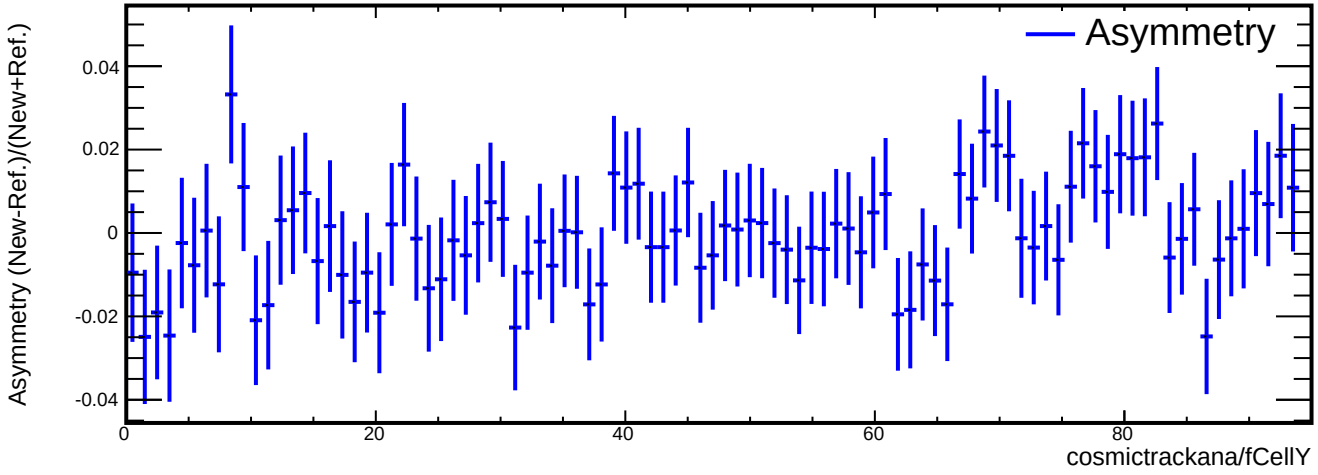

KS 1.89457e-06, chi2 3.08003e-08
2012-08-04
2012-08-05
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

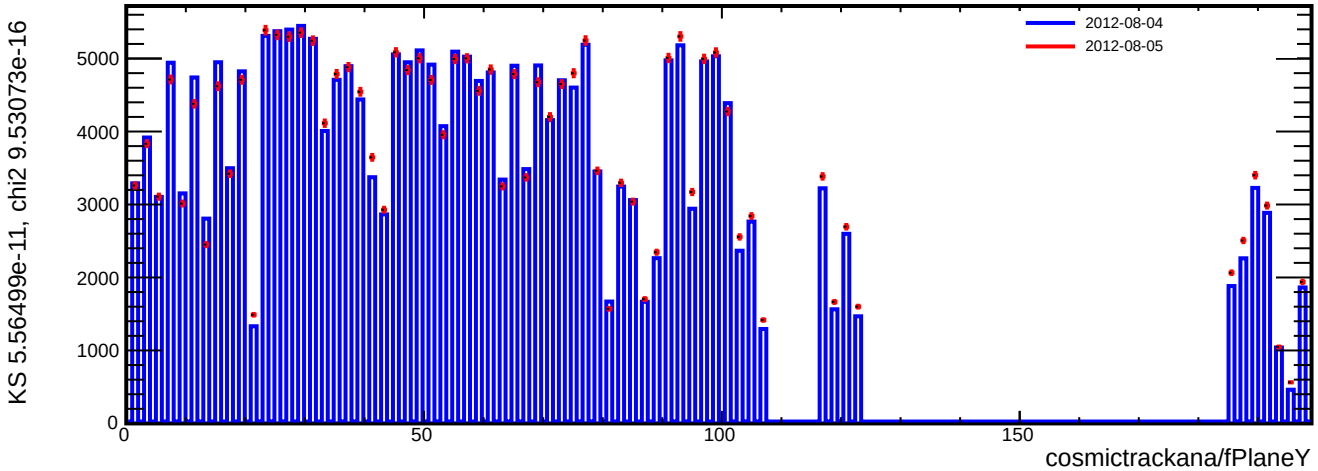

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
0
50
100
150
cosmictrackana/fPlaneX

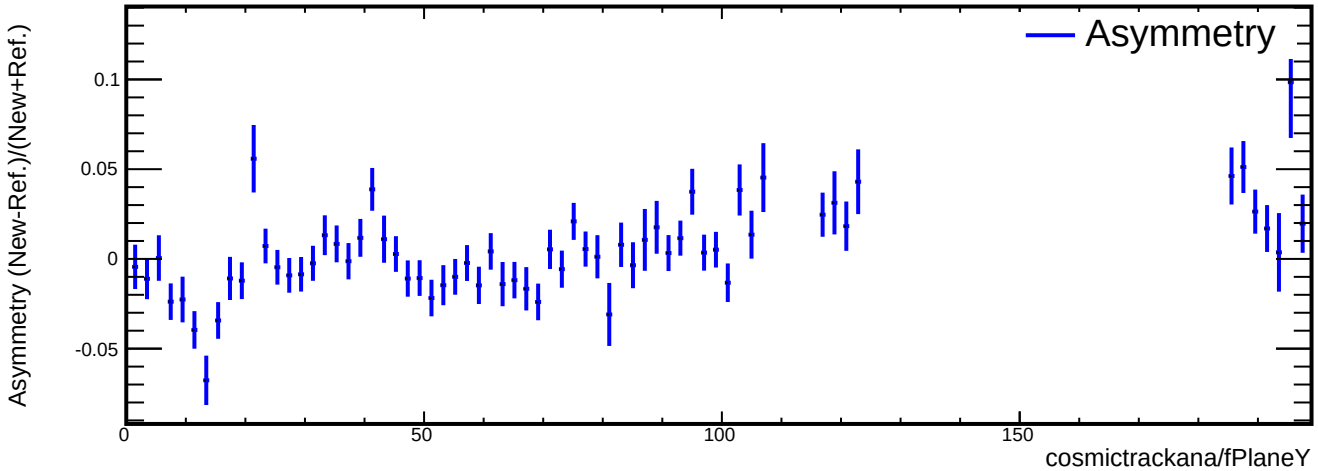

2012-08-04
2012-08-05
KS 2.62171e-11, chi2 0
0
20
40
60
80
0
200
400
600
×10^3
cosmictrackana/HitTNSX

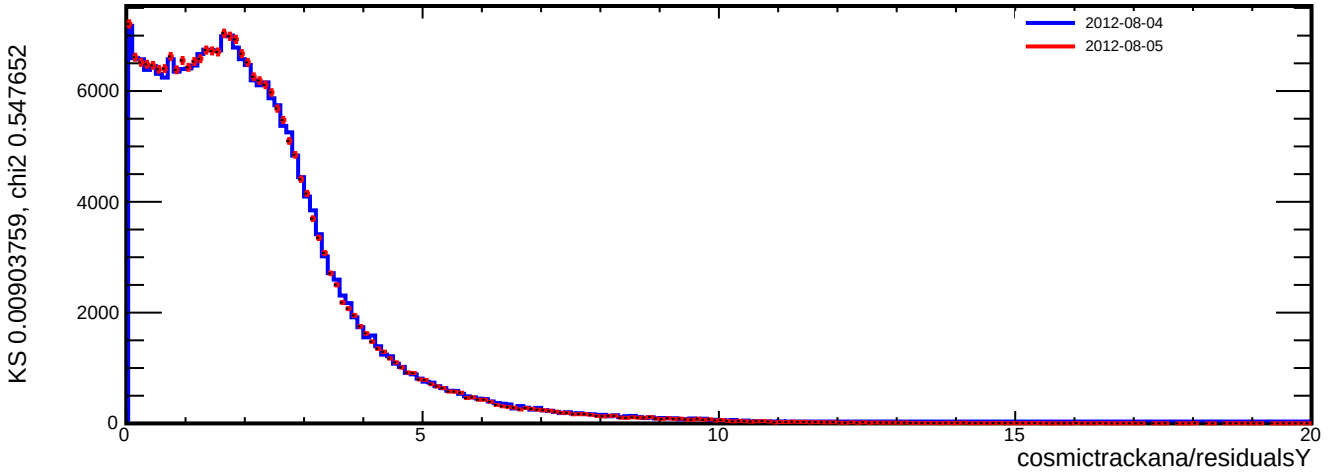

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX

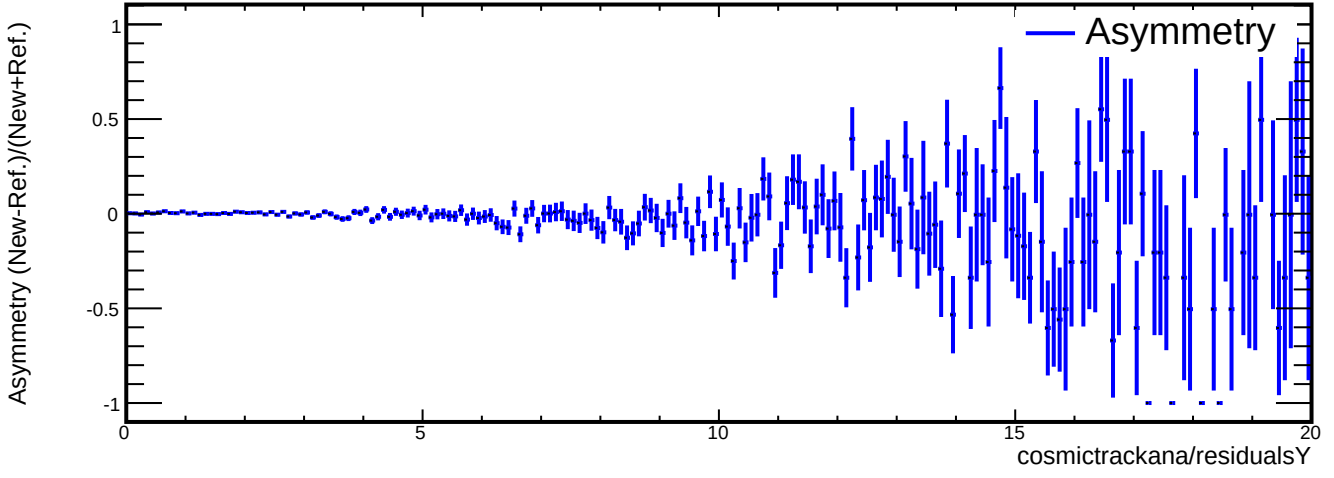

KS 0.00460183, chi2 0.964261
2012-08-04
2012-08-05
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY

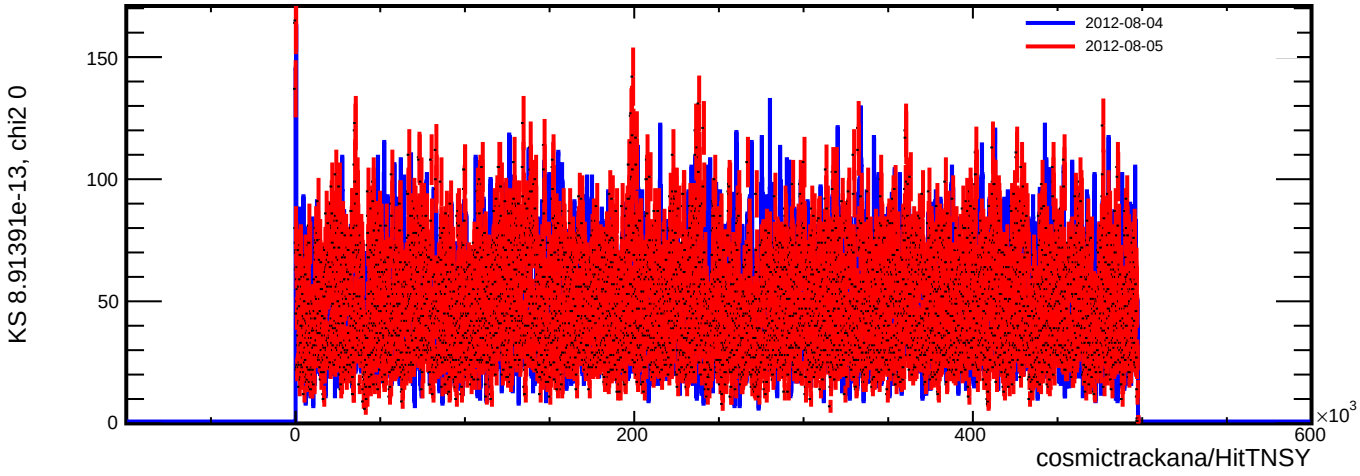

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellY

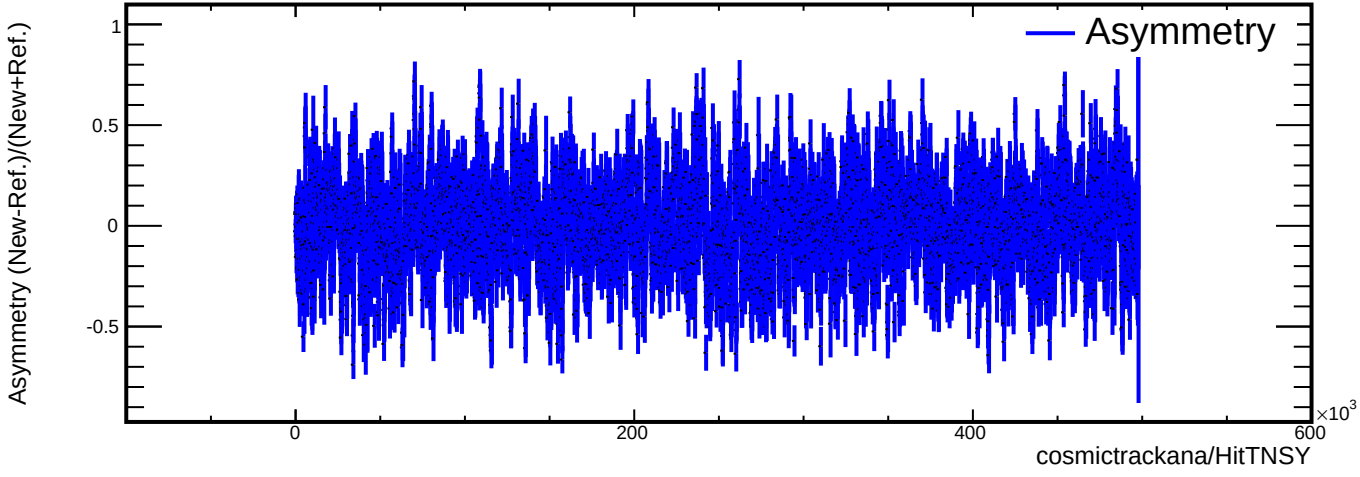

KS 5.56499e-11, chi2 9.53073e-16
2012-08-04
2012-08-05
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
0
50
100
150
cosmictrackana/fPlaneY


KS 0.00903759, chi2 0.547652
2012-08-04
2012-08-05
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsY


Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsY


2012-08-04
2012-08-05
KS 8.91391e-13, chi2 0
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
0
200
400
600
×10^3
cosmictrackana/HitTNSY