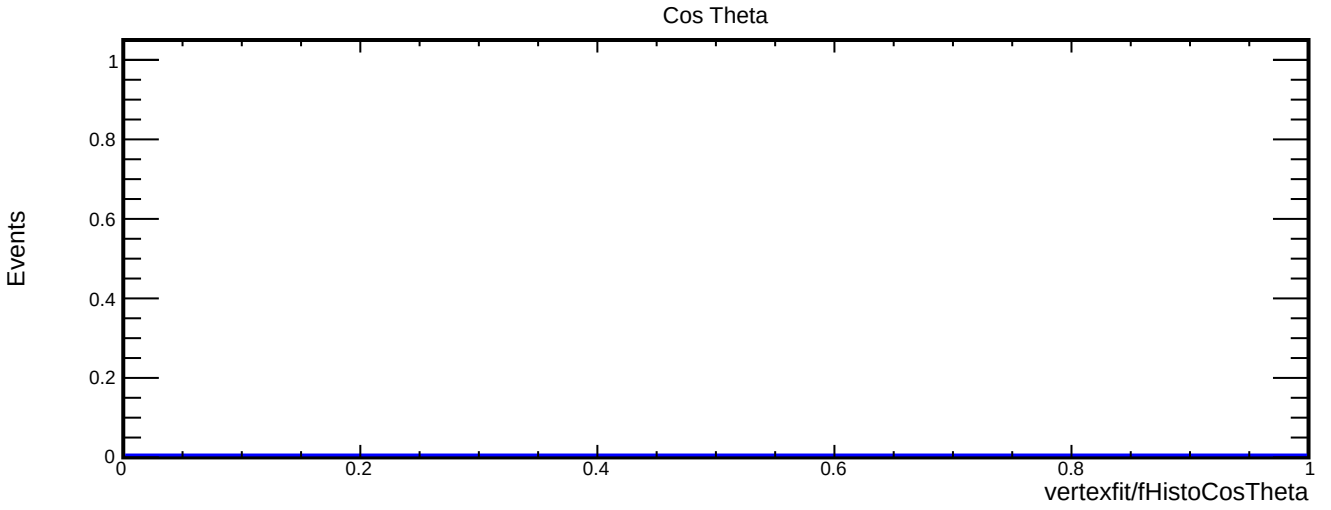
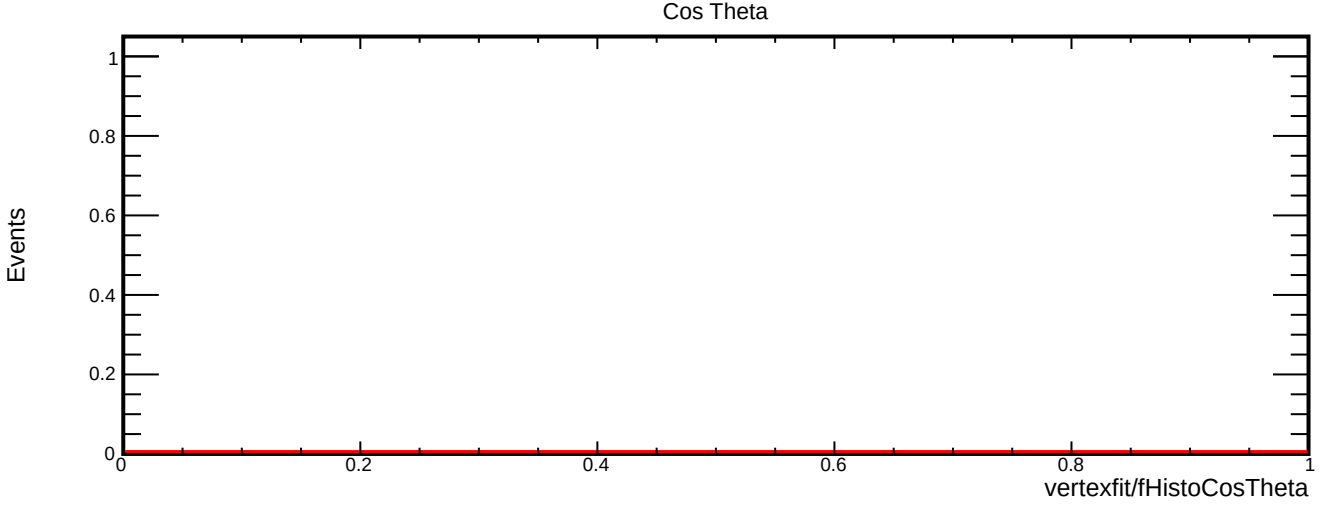
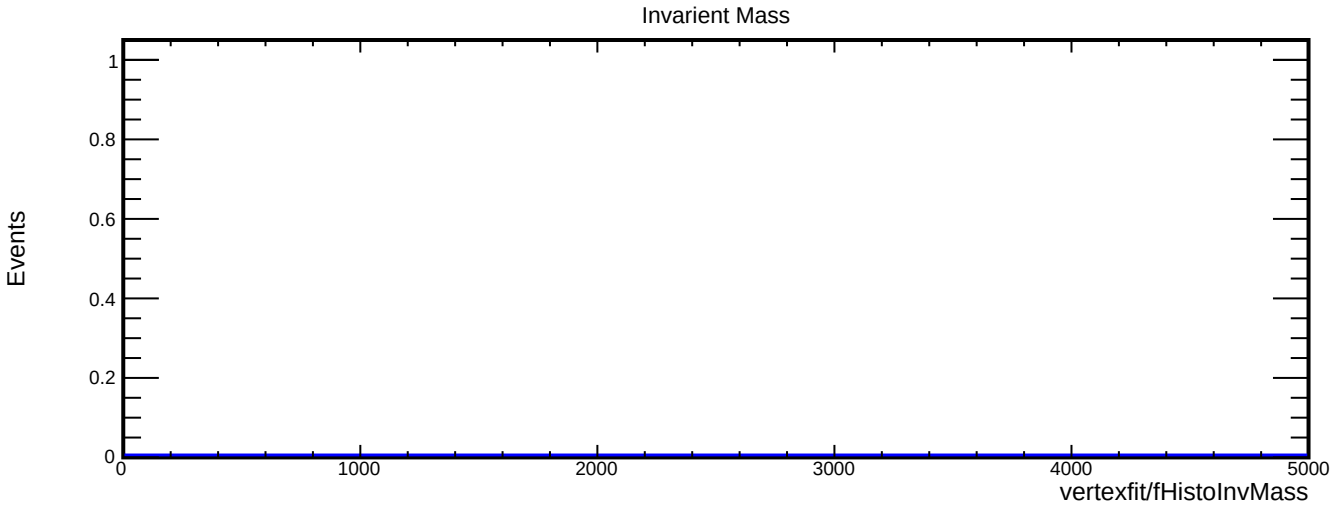
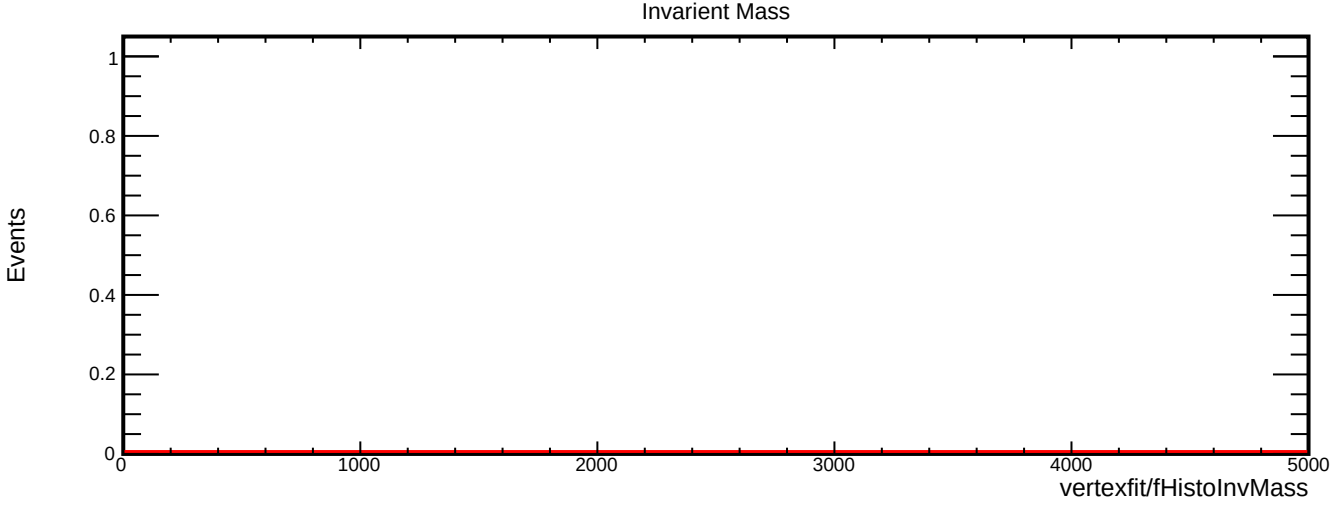
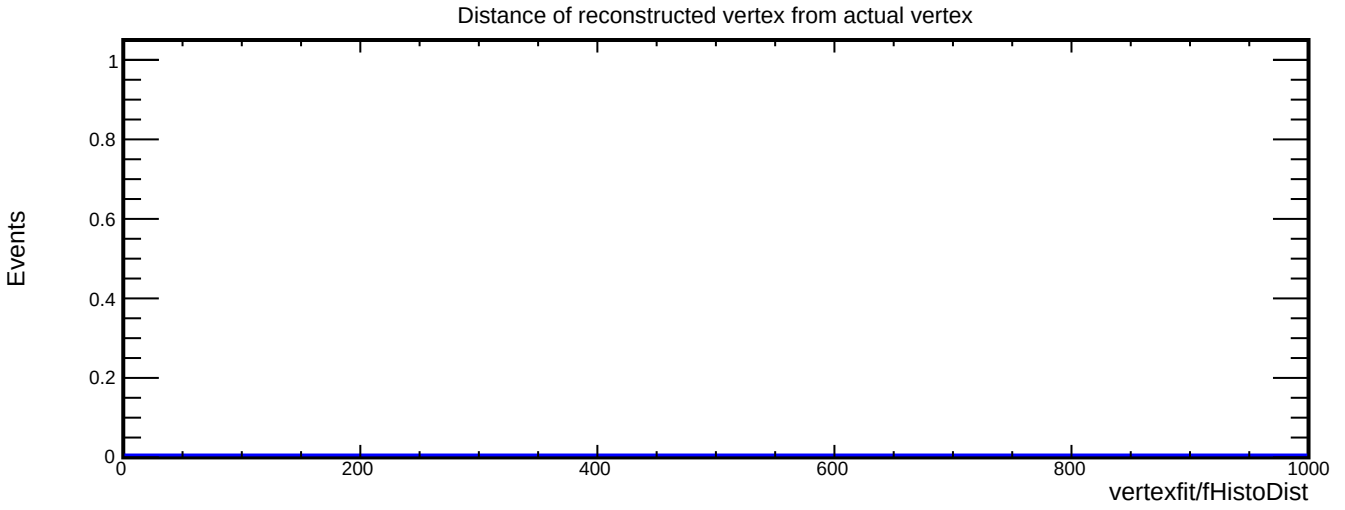
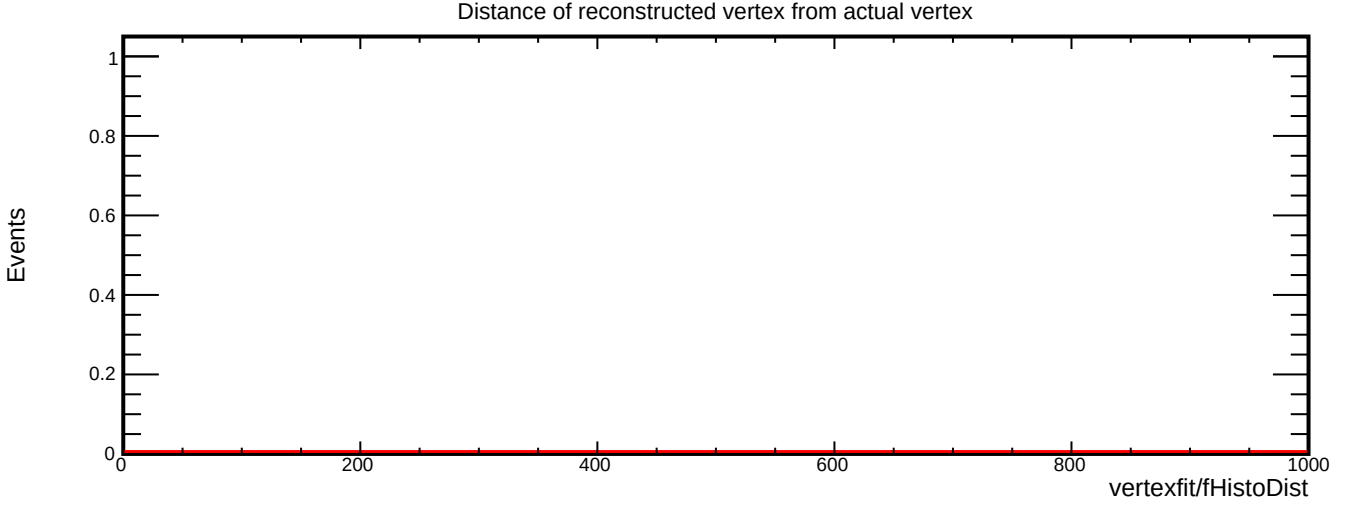

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

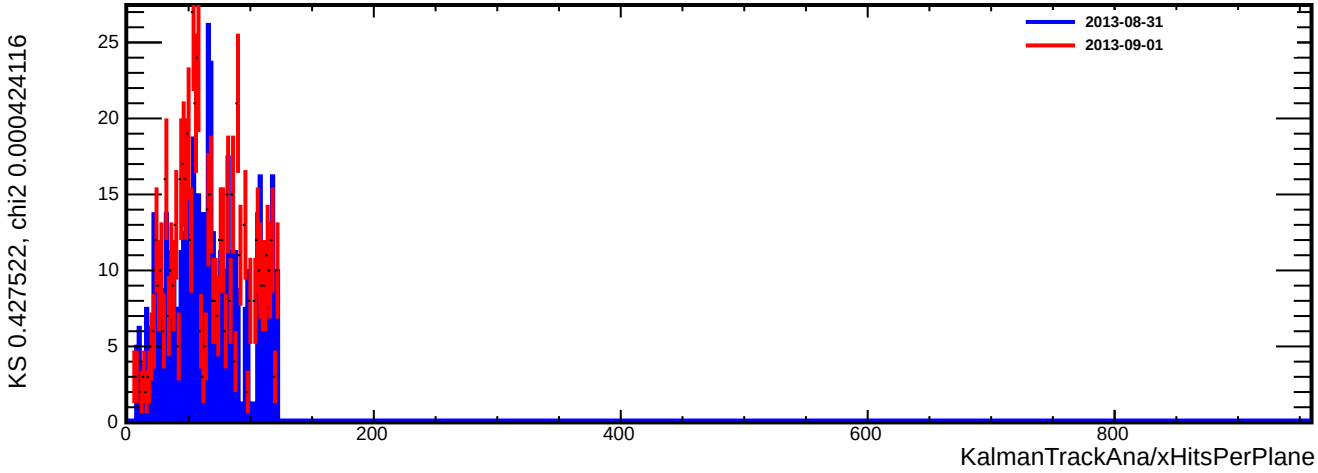

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

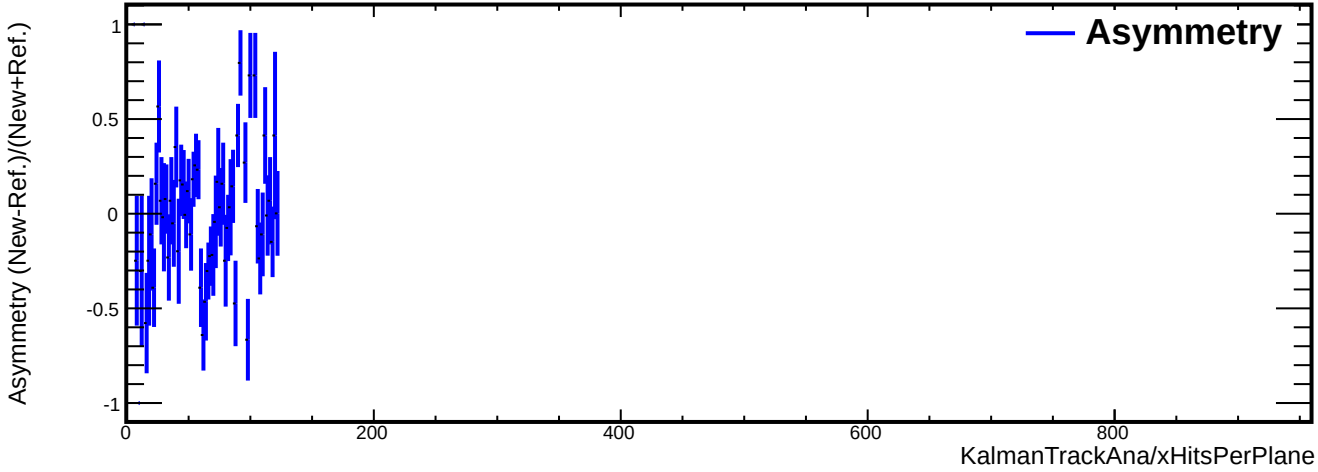

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

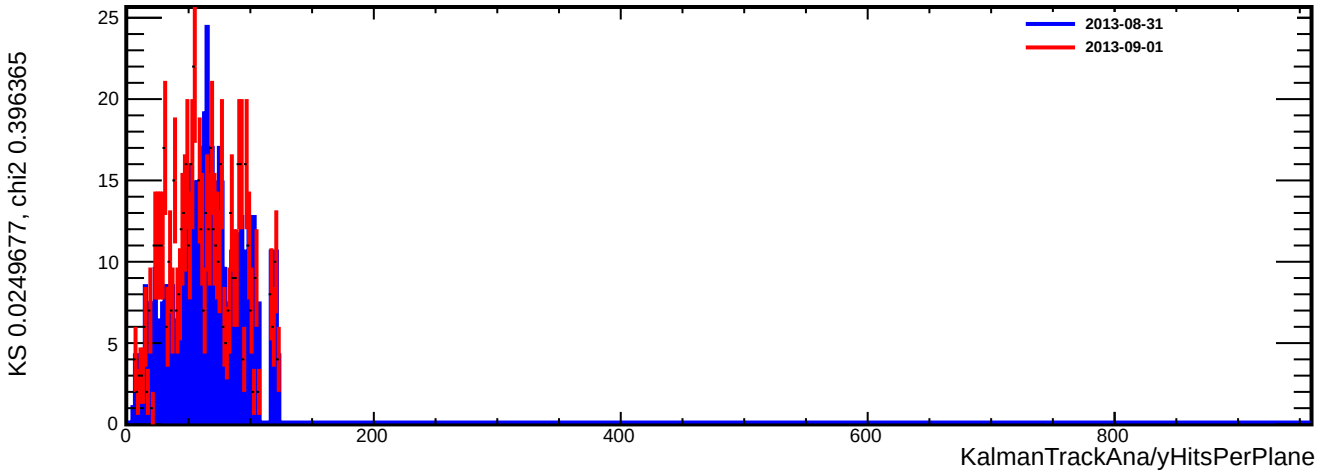

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

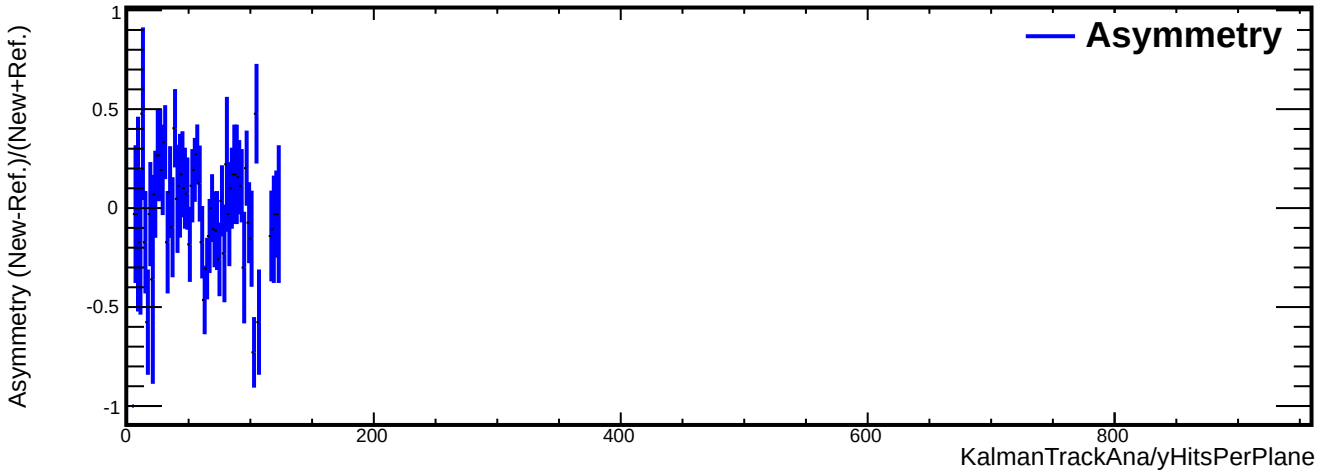

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

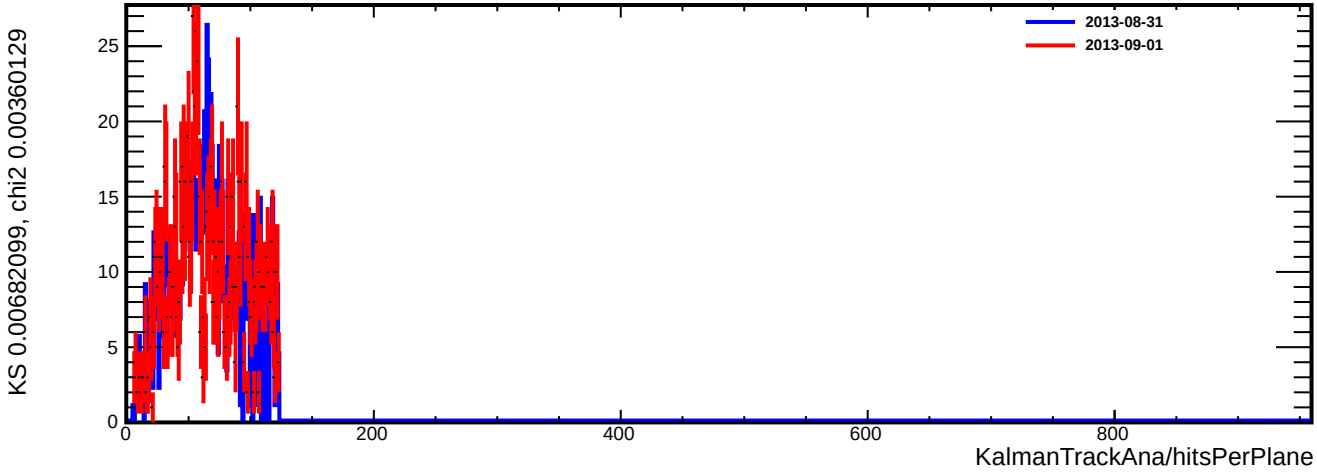

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

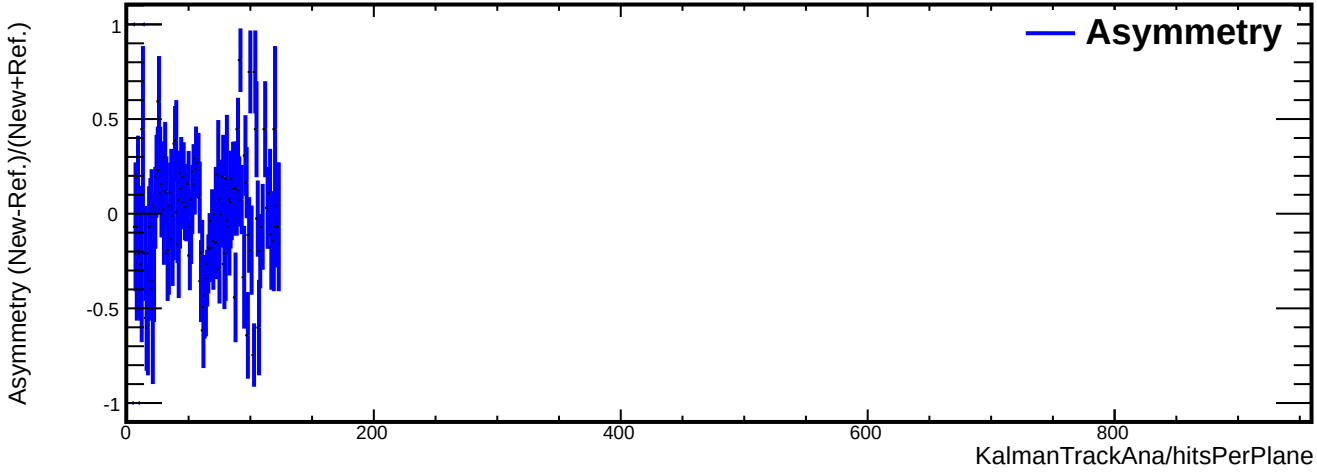

KS 0.427522, chi2 0.000424116
2013-08-31
2013-09-01
0
5
10
15
20
25
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

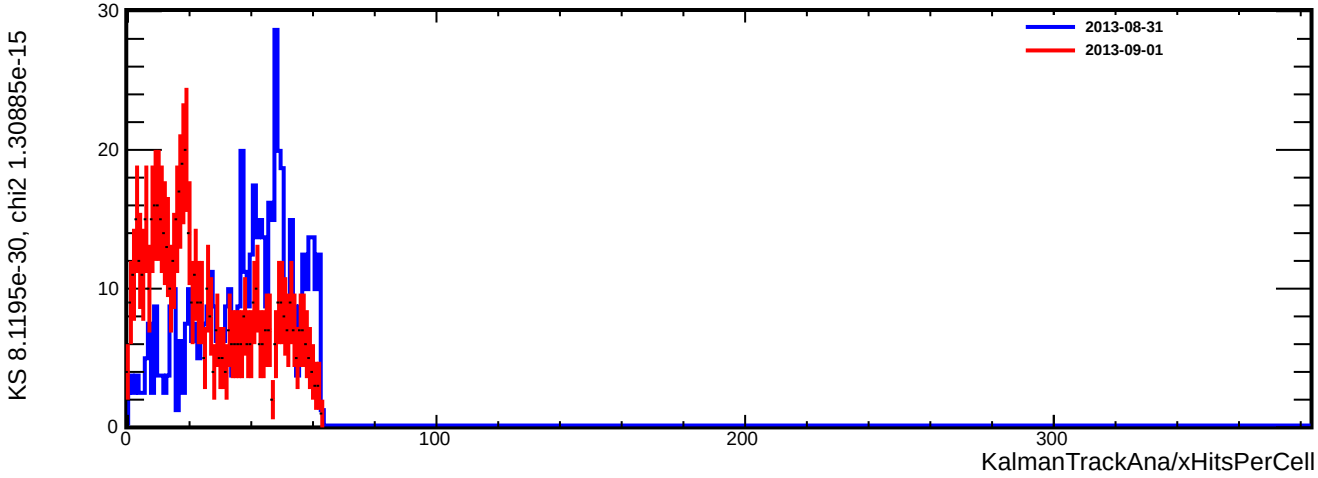

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

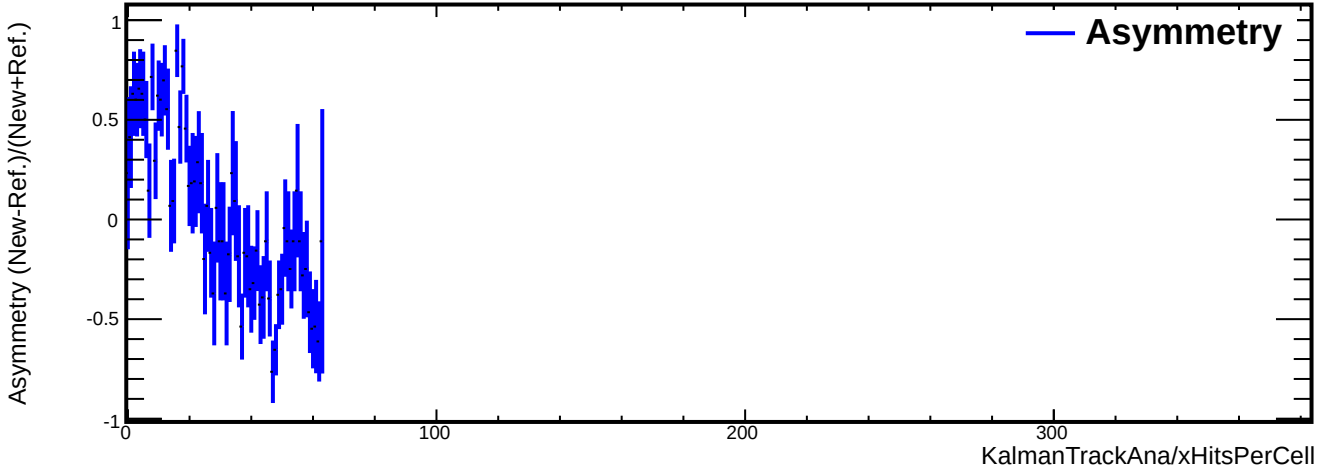

KS 0.0249677, chi2 0.396365
2013-08-31
2013-09-01
KalmanTrackAna/yHitsPerPlane

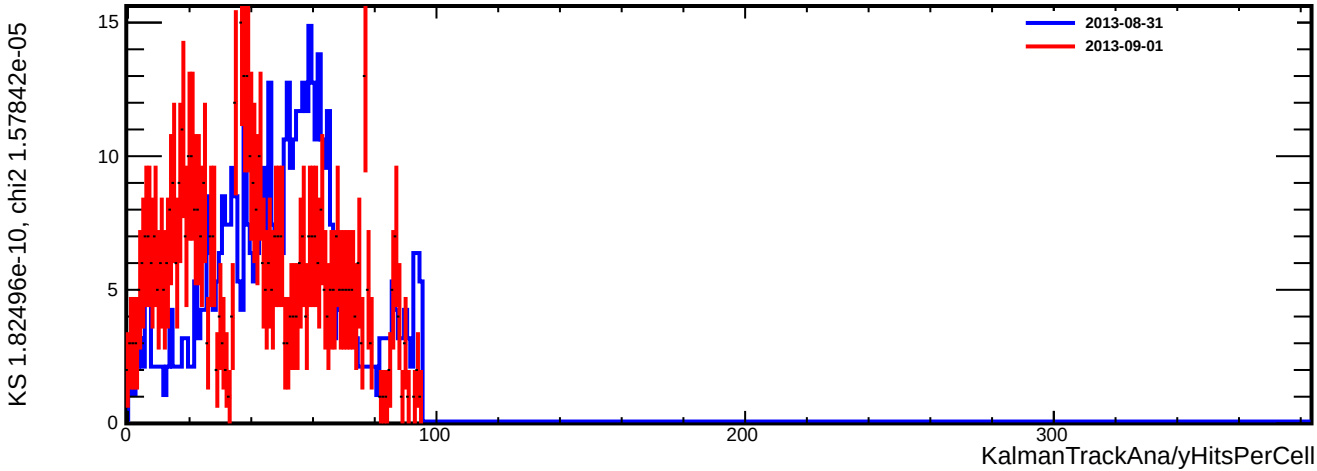

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yHitsPerPlane

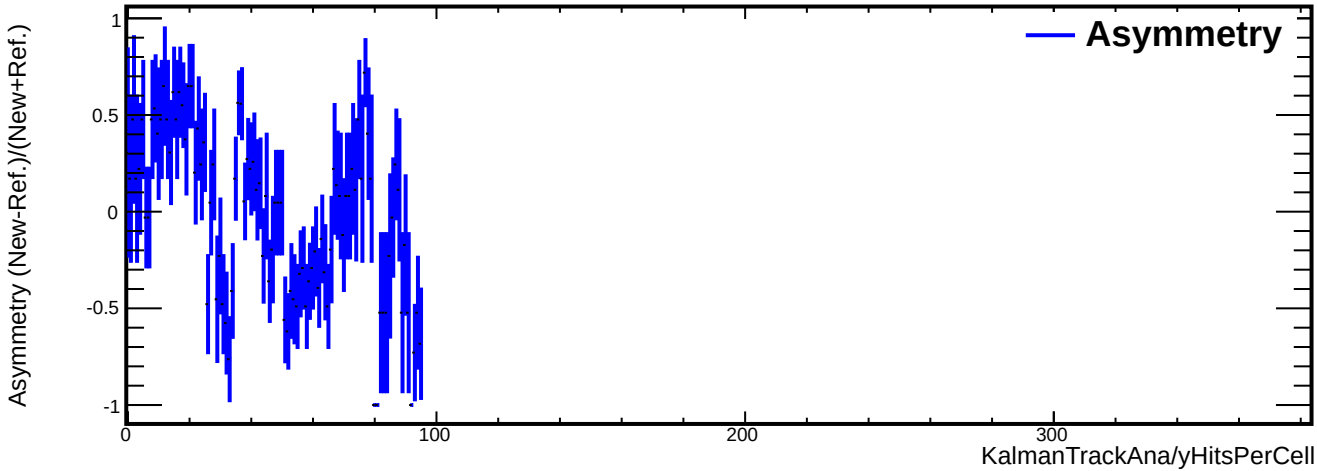

KS 0.00682099, chi2 0.00360129
2013-08-31
2013-09-01
0
5
10
15
20
25
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

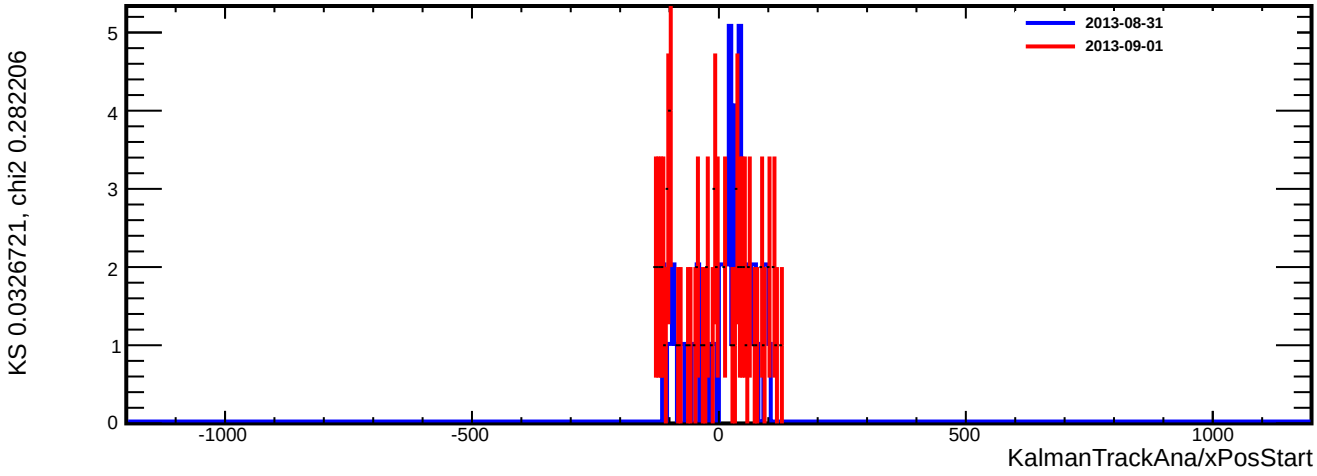

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

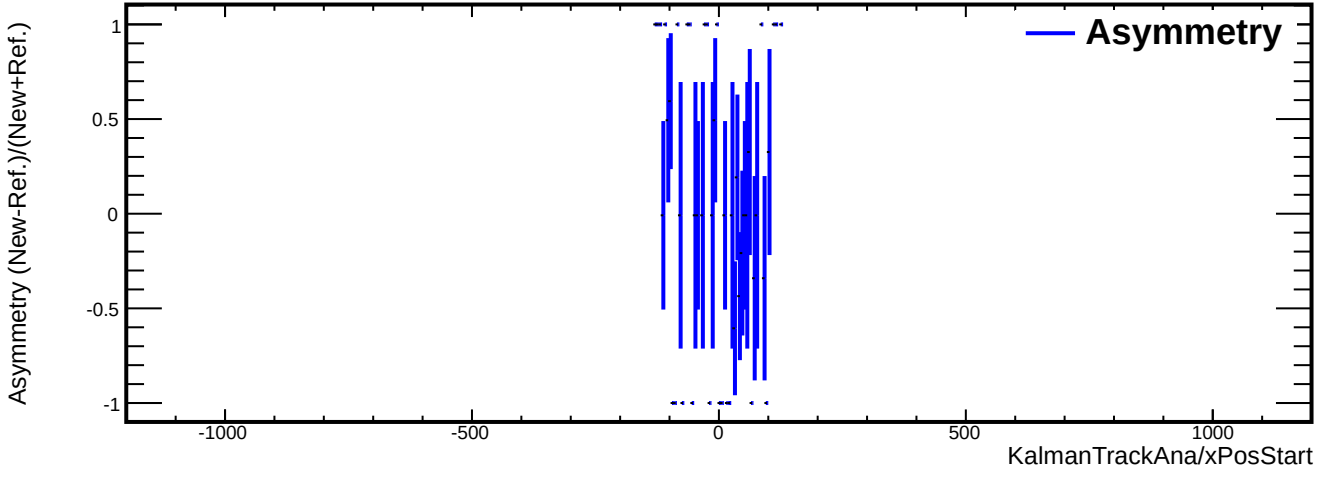

KS 8.1195e-30, chi2 1.30885e-15
2013-08-31
2013-09-01
KalmanTrackAna/xHitsPerCell

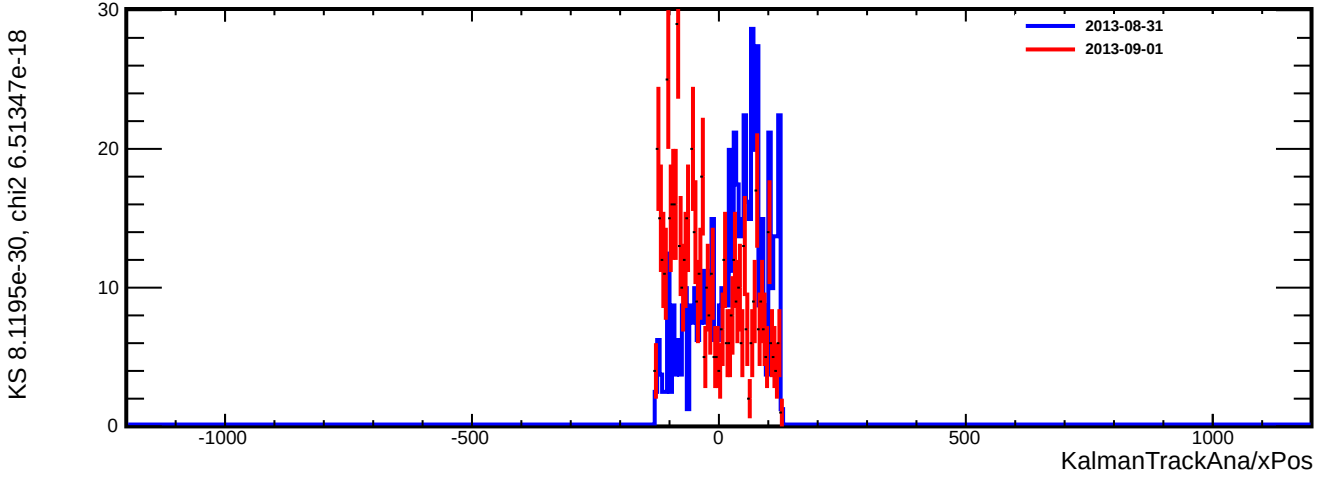

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/xHitsPerCell

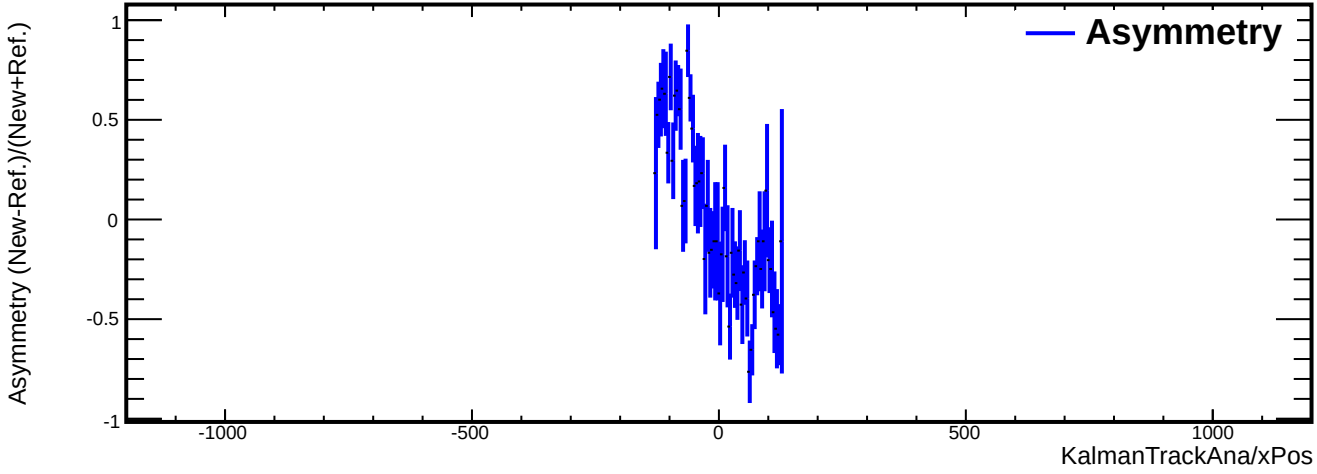

KS 1.82496e-10, chi2 1.57842e-05
15
10
5
0
0
100
200
300
KalmanTrackAna/yHitsPerCell
2013-08-31
2013-09-01

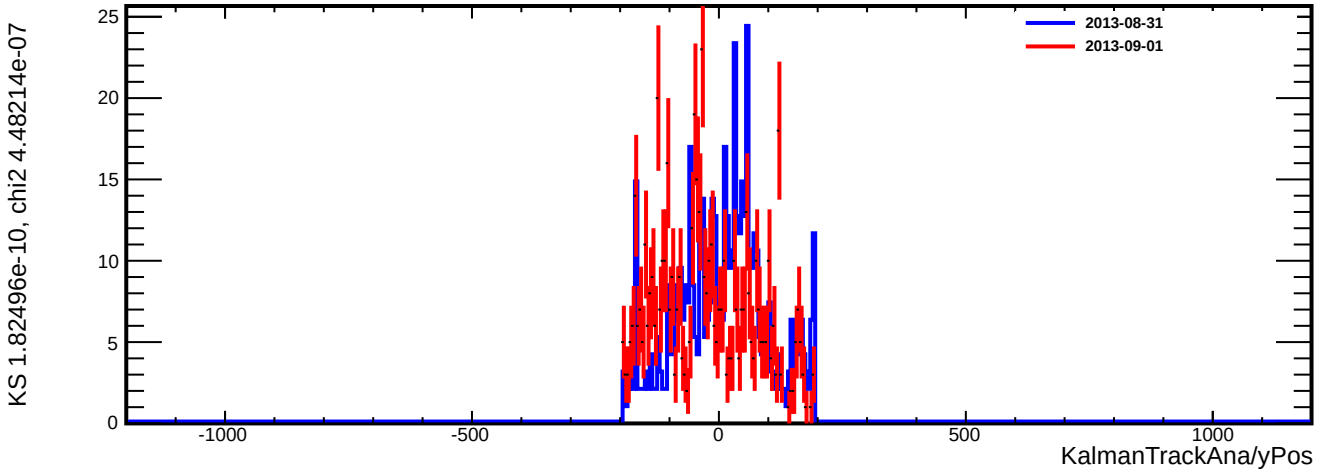

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell
Asymmetry

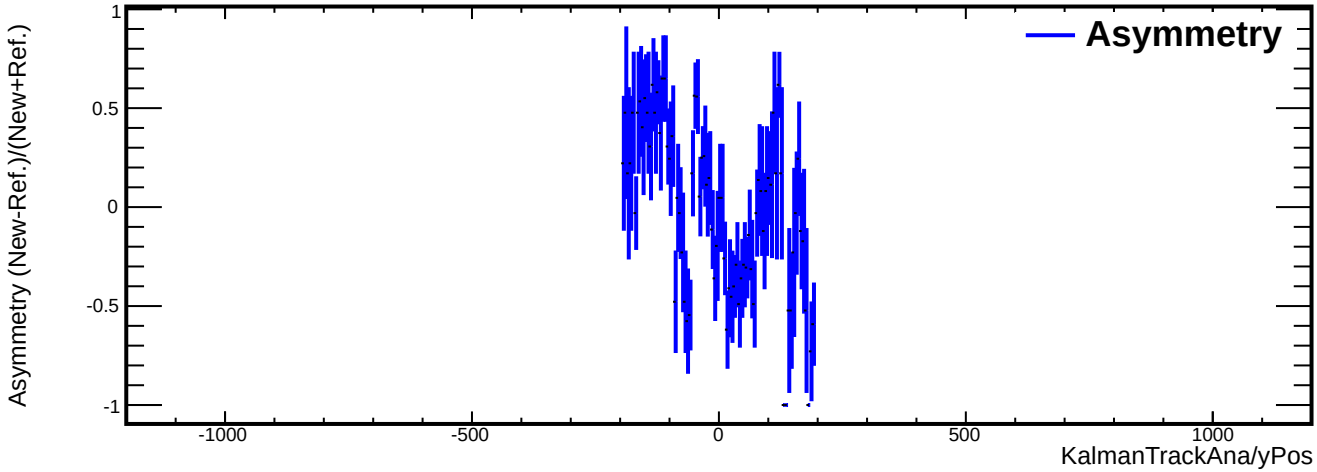

KS 0.0326721, chi2 0.282206
2013-08-31
2013-09-01
KalmanTrackAna/xPosStart

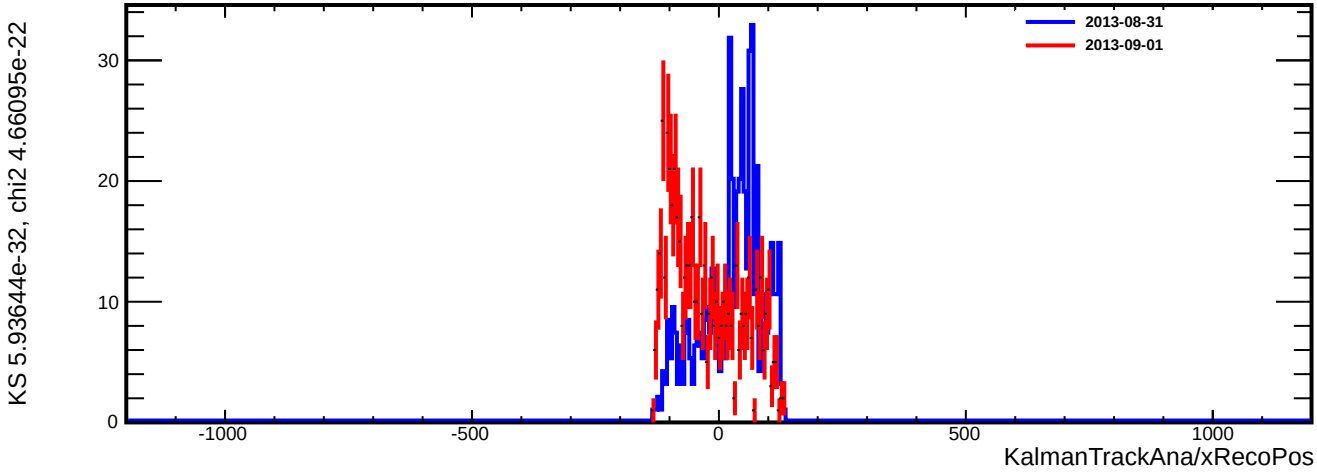

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/xPosStart

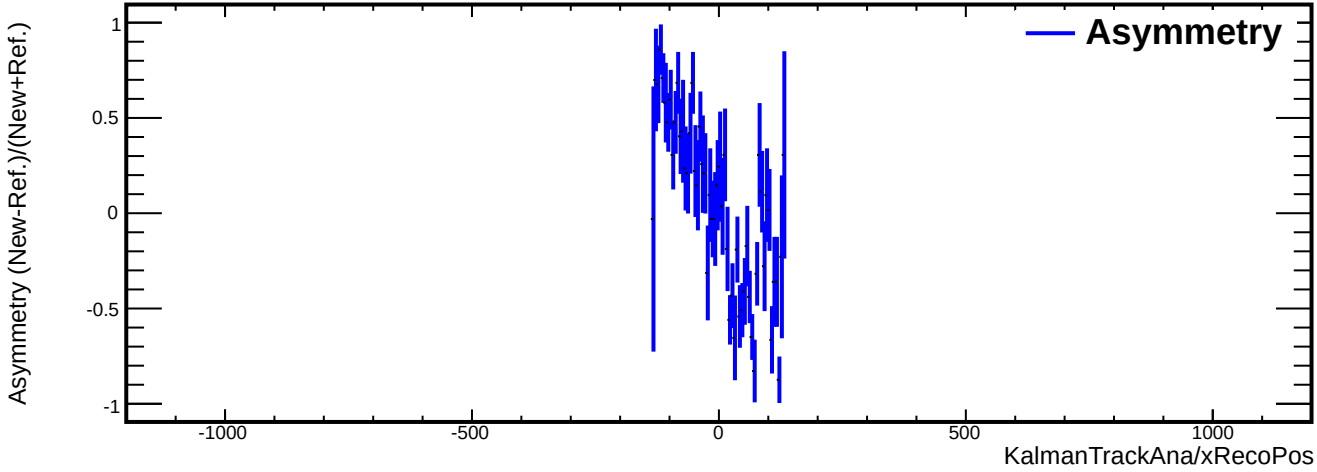

KS 8.1195e-30, chi2 6.51347e-18
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos
2013-08-31
2013-09-01

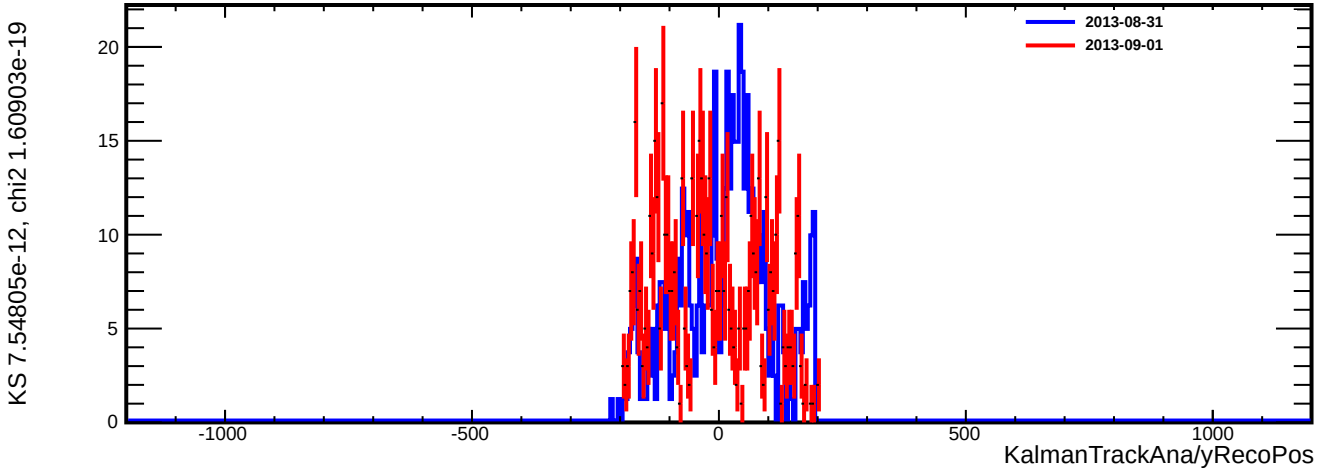

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPos
Asymmetry

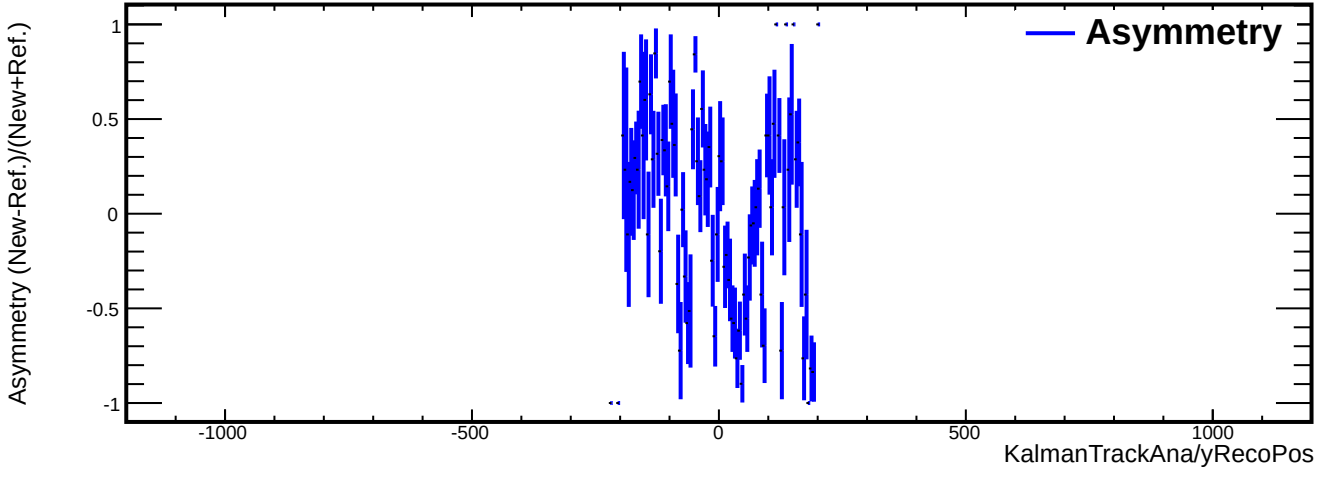

KS 1.82496e-10, chi2 4.48214e-07
2013-08-31
2013-09-01
KalmanTrackAna/yPos

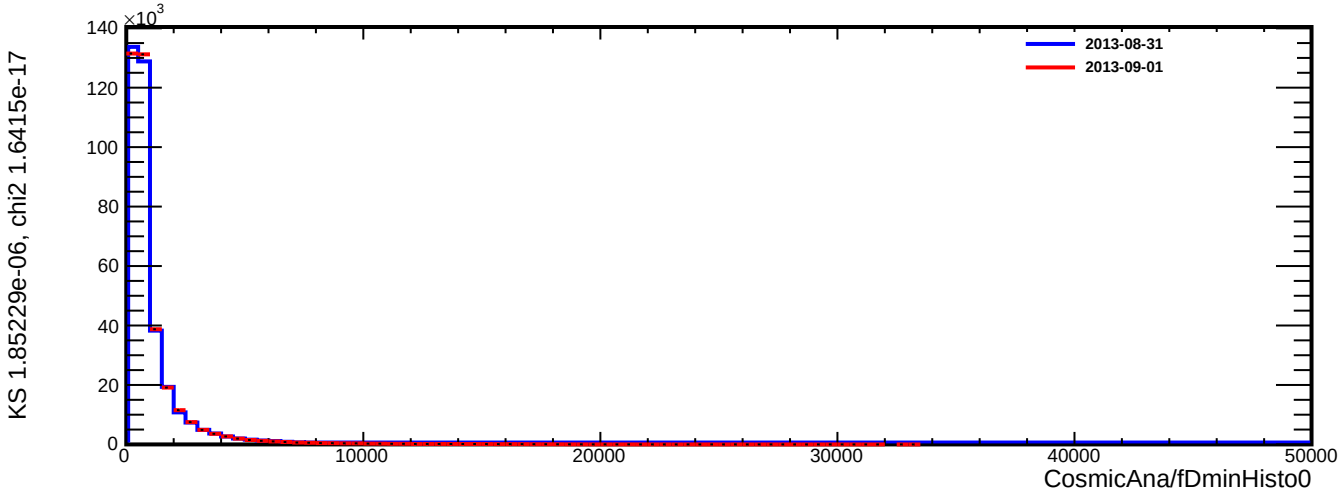

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yPos

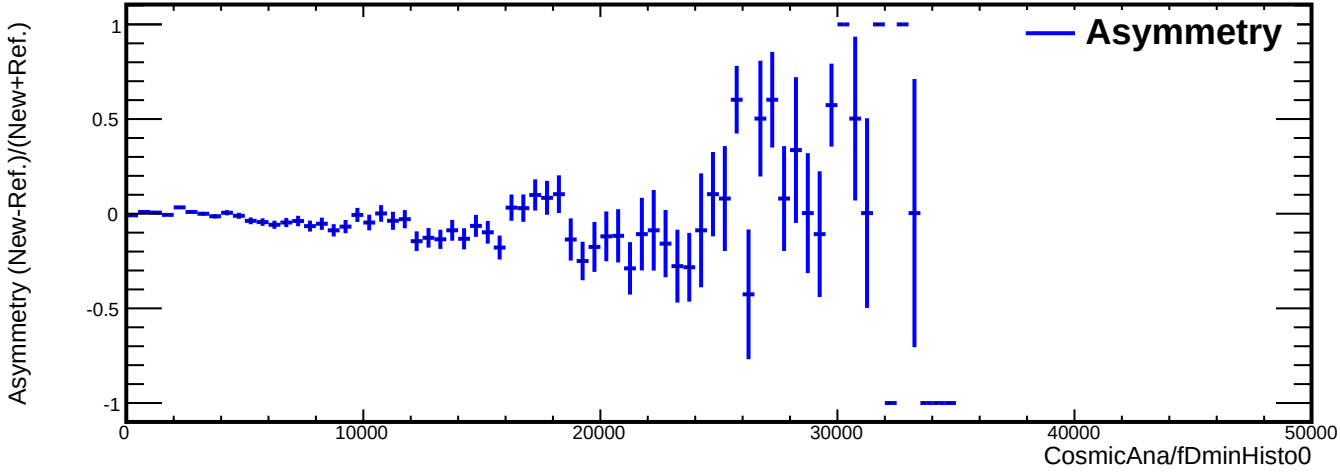

KS 5.93644e-32, chi2 4.66095e-22
2013-08-31
2013-09-01
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

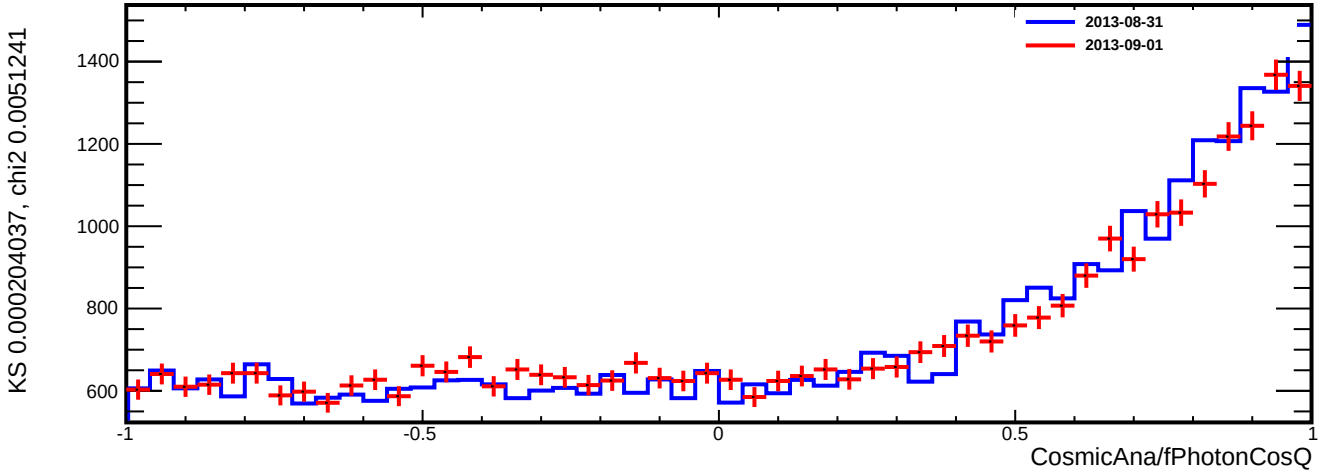

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

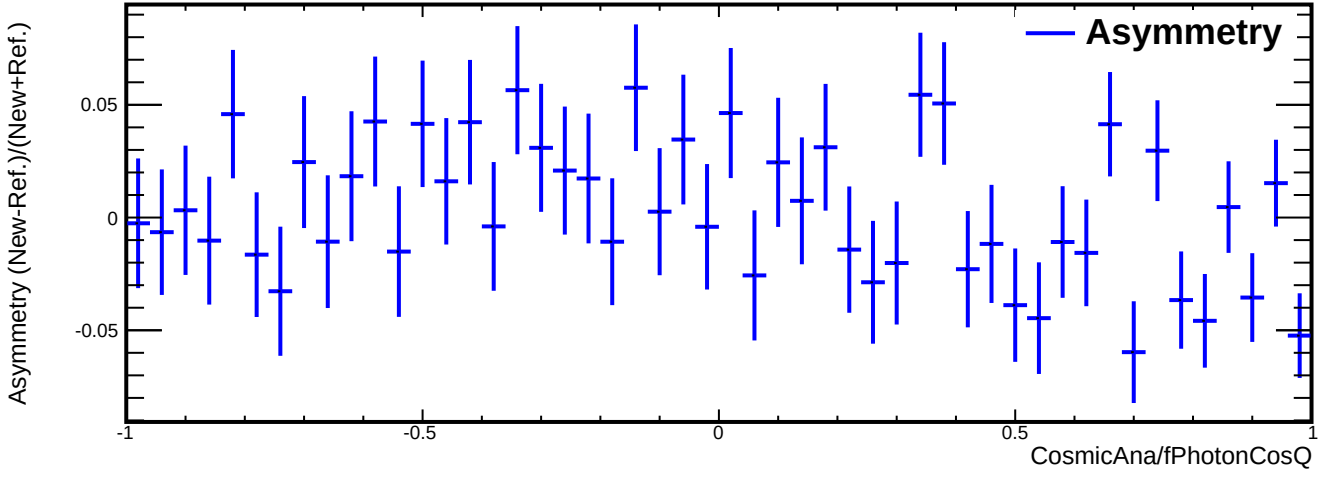

KS 7.54805e-12, chi2 1.60903e-19
2013-08-31
2013-09-01
KalmanTrackAna/yRecoPos

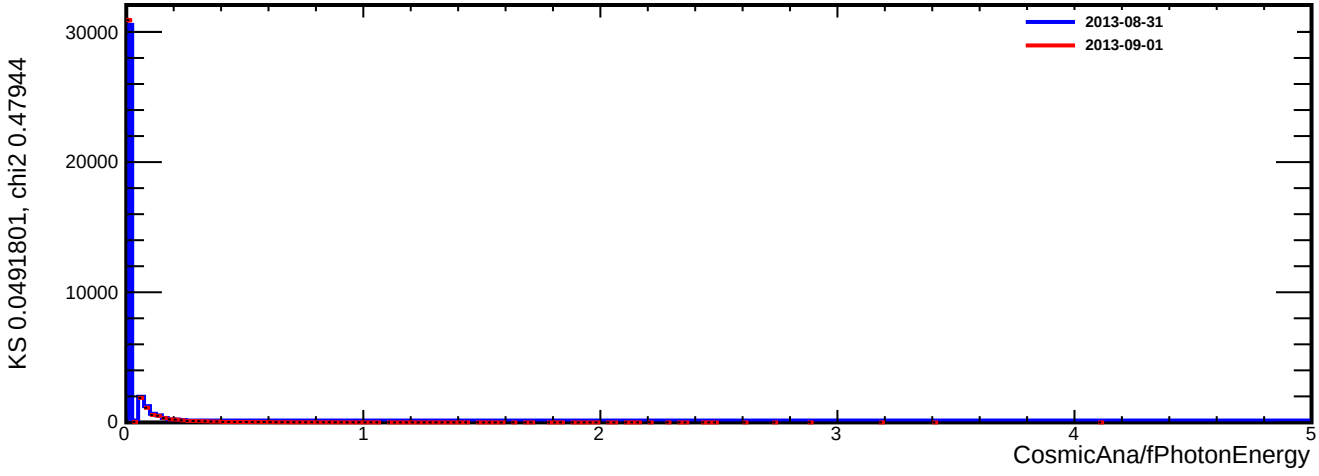

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yRecoPos

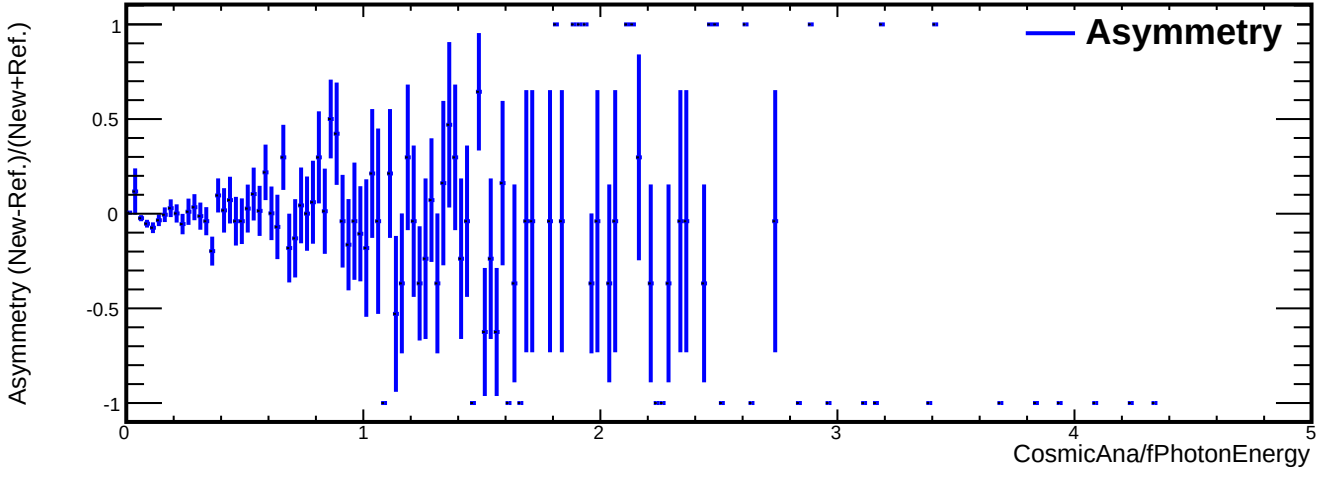

KS 1.85229e-06, chi2 1.6415e-17
×10^3
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
2013-08-31
2013-09-01

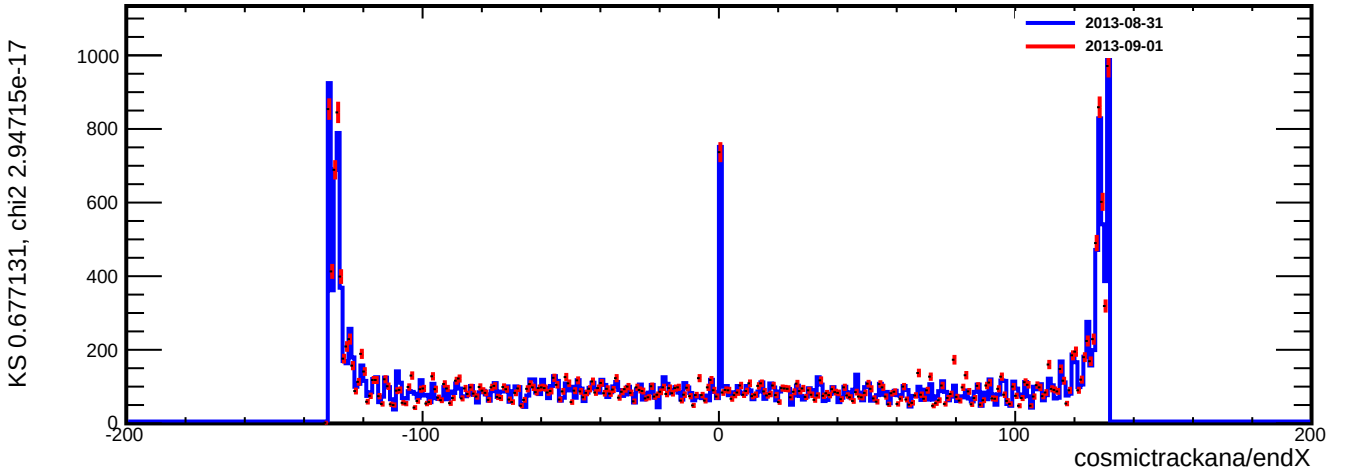

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
Asymmetry

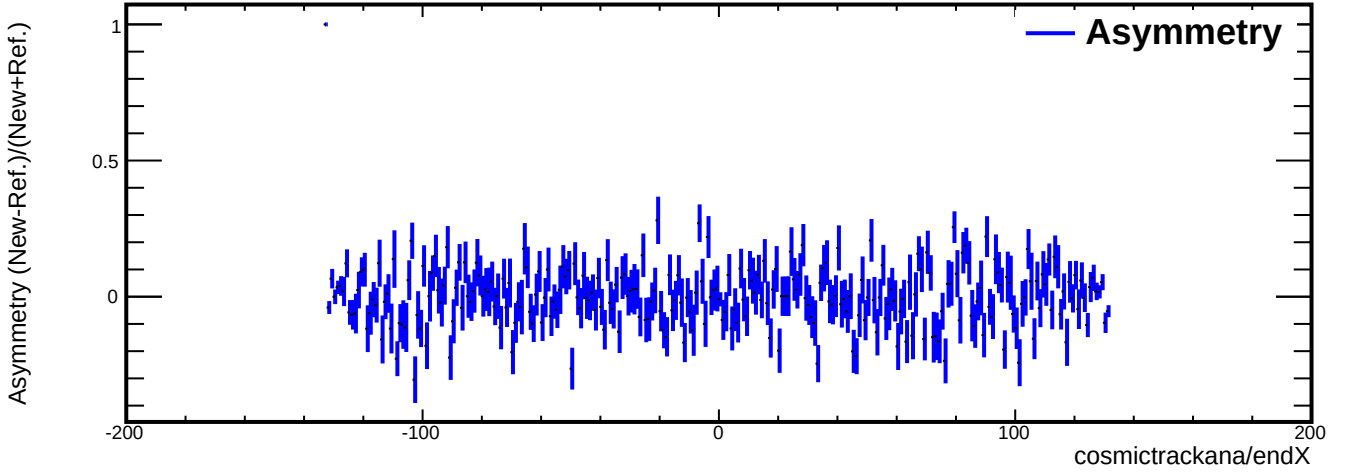

KS 0.000204037, chi2 0.0051241
2013-08-31
2013-09-01
1400
1200
1000
800
600
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ

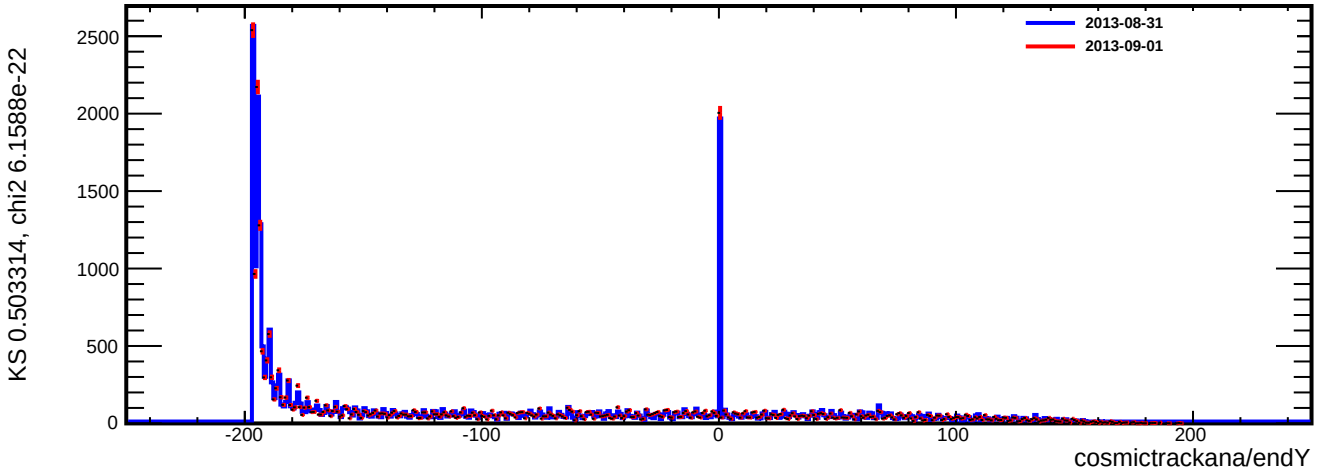

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ

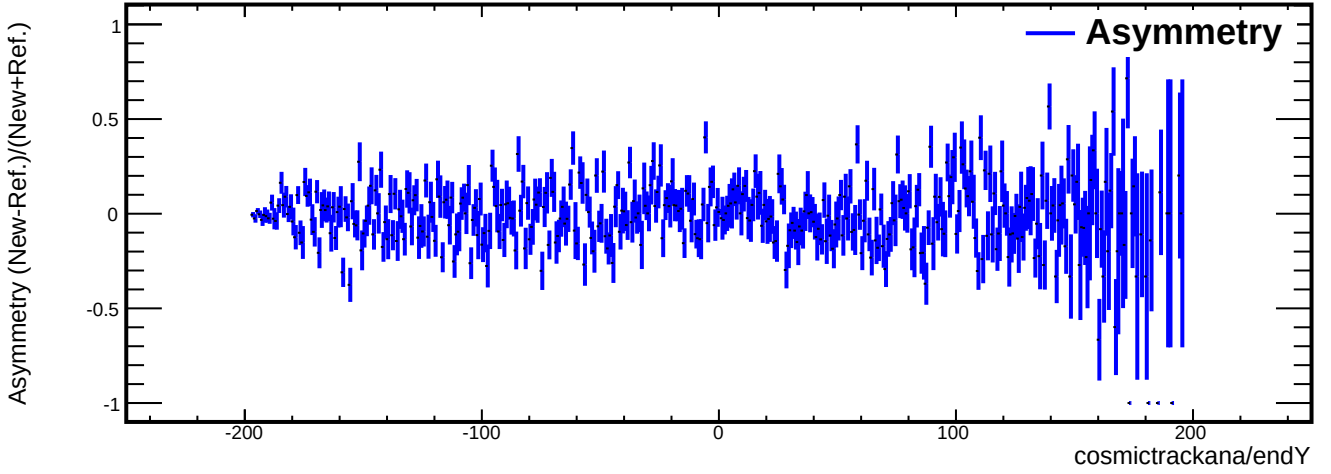

KS 0.0491801, chi2 0.47944
30000
20000
10000
0
0
1
2
3
4
5
CosmicAna/fPhotonEnergy
2013-08-31
2013-09-01

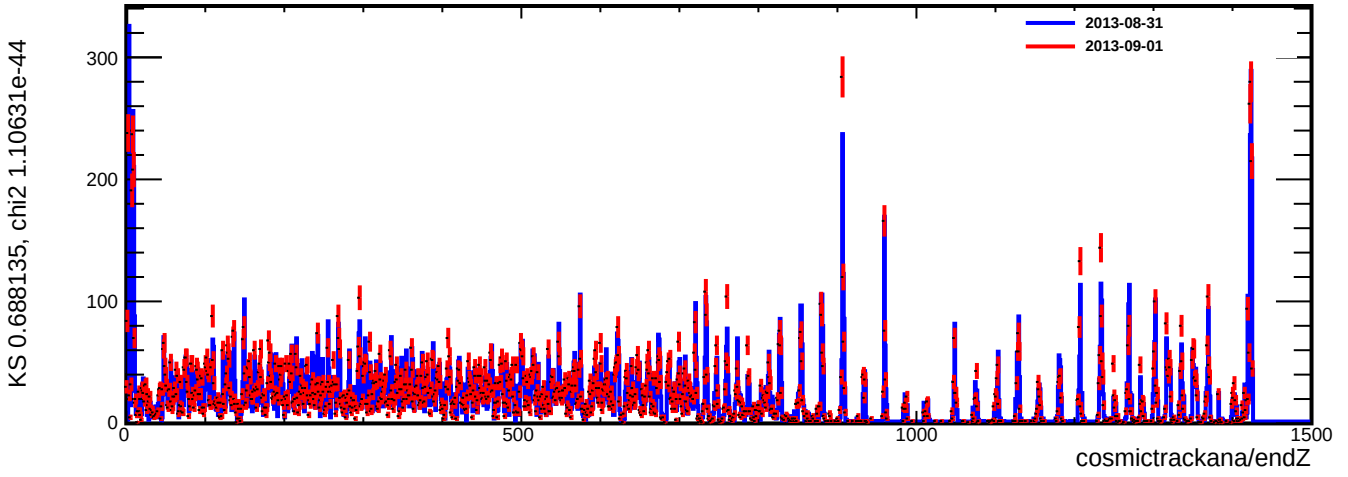

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
1
2
3
4
5
CosmicAna/fPhotonEnergy
Asymmetry

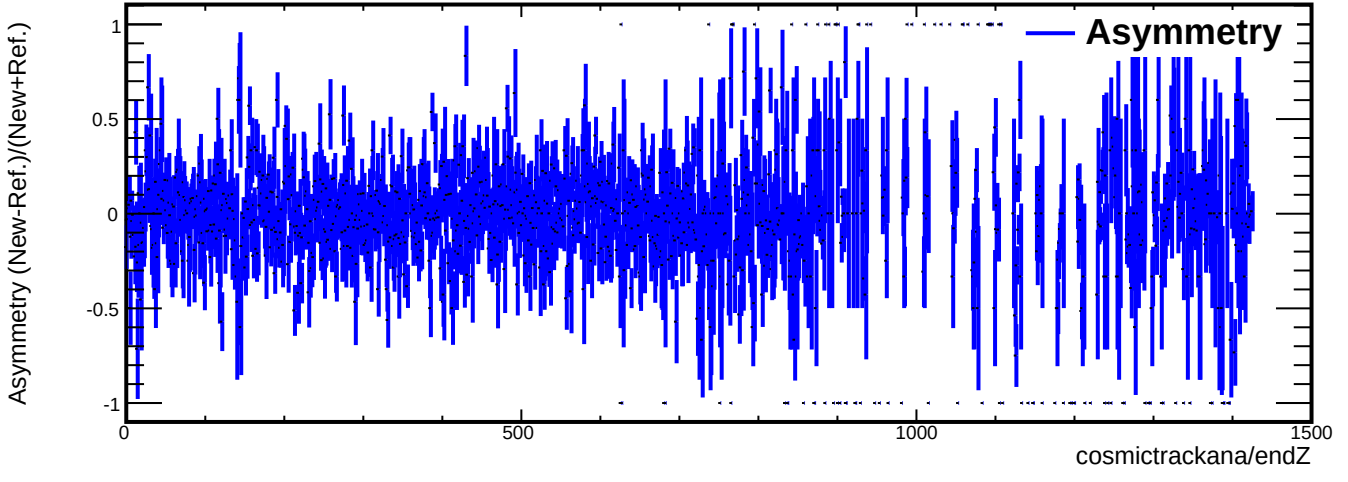

KS 0.677131, chi2 2.94715e-17
2013-08-31
2013-09-01
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

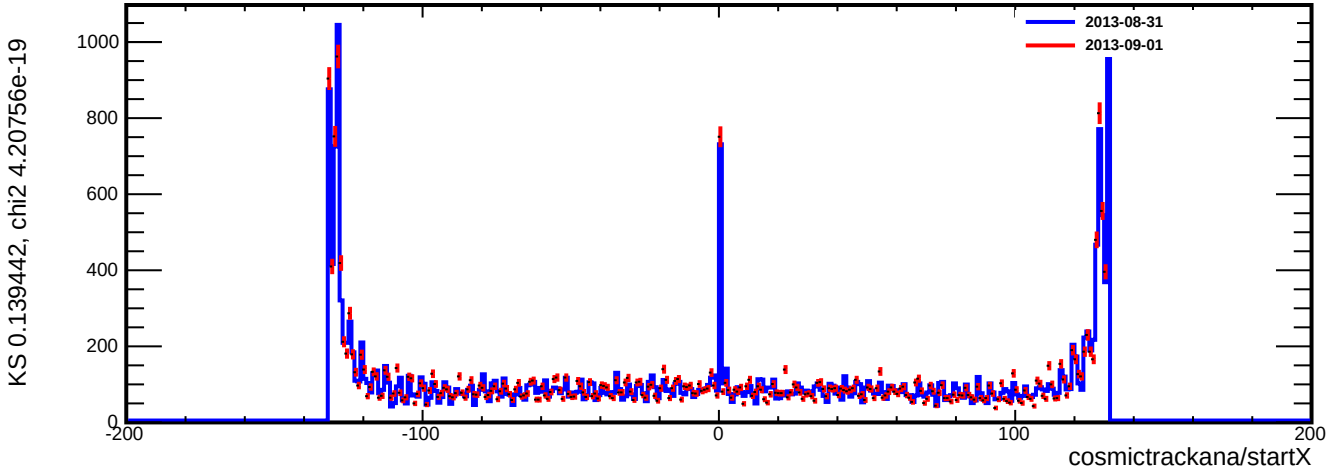

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-200
-100
0
100
200
cosmictrackana/endX

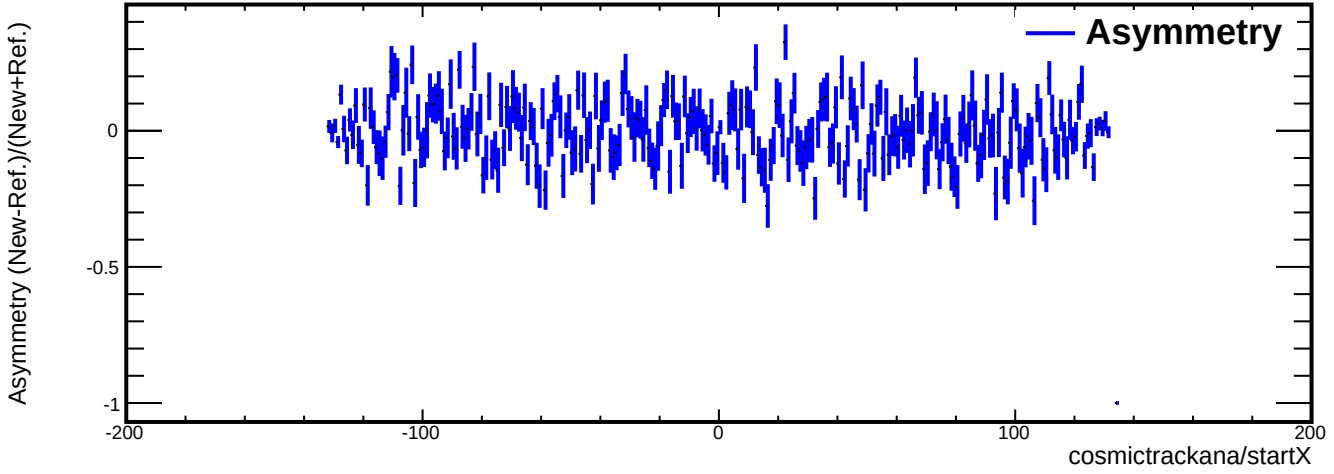

KS 0.503314, chi2 6.1588e-22
2013-08-31
2013-09-01
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

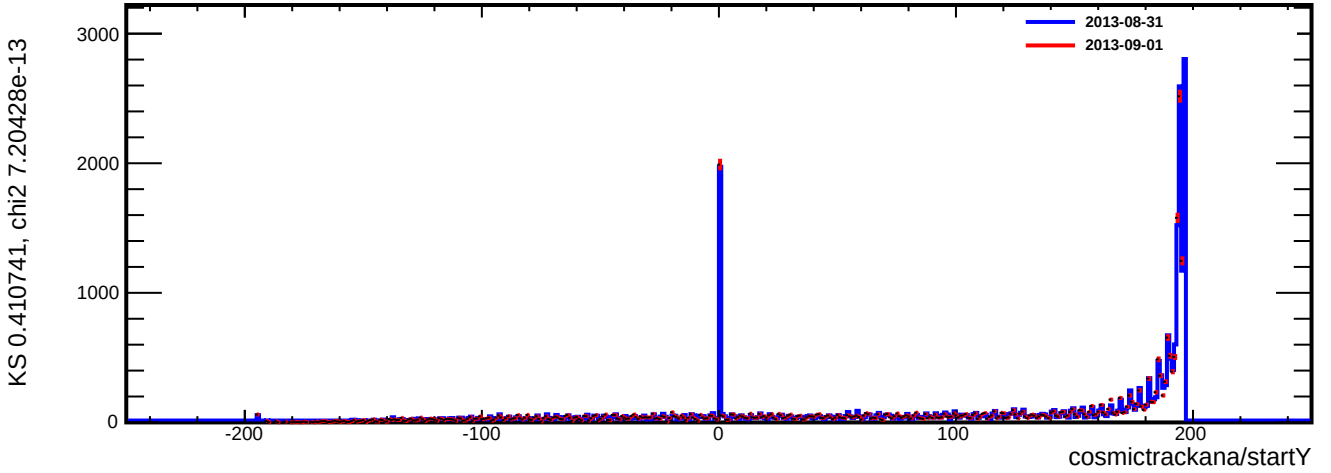

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

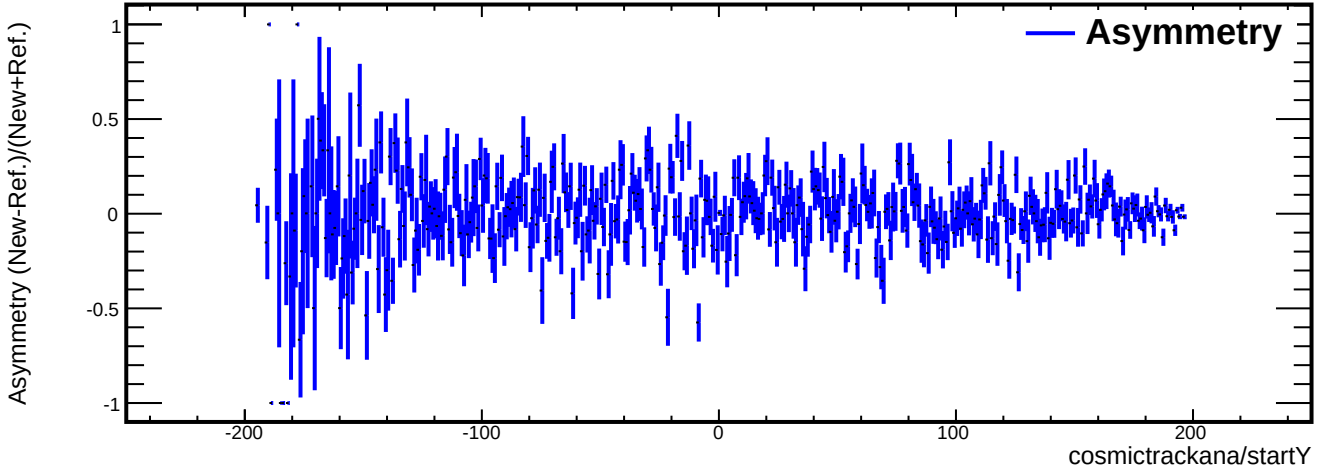

KS 0.688135, chi2 1.10631e-44
2013-08-31
2013-09-01
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

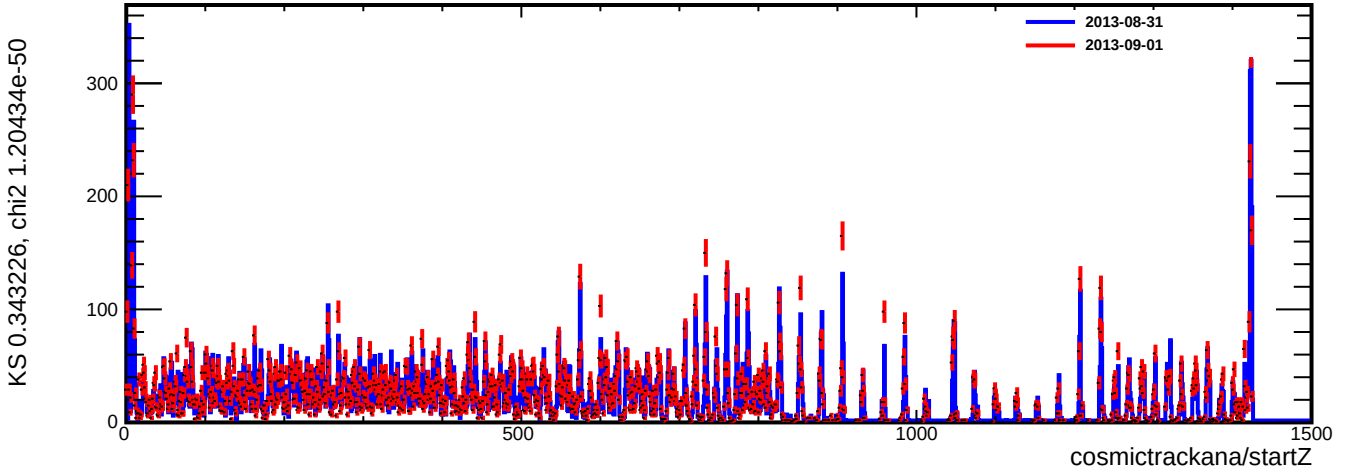

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

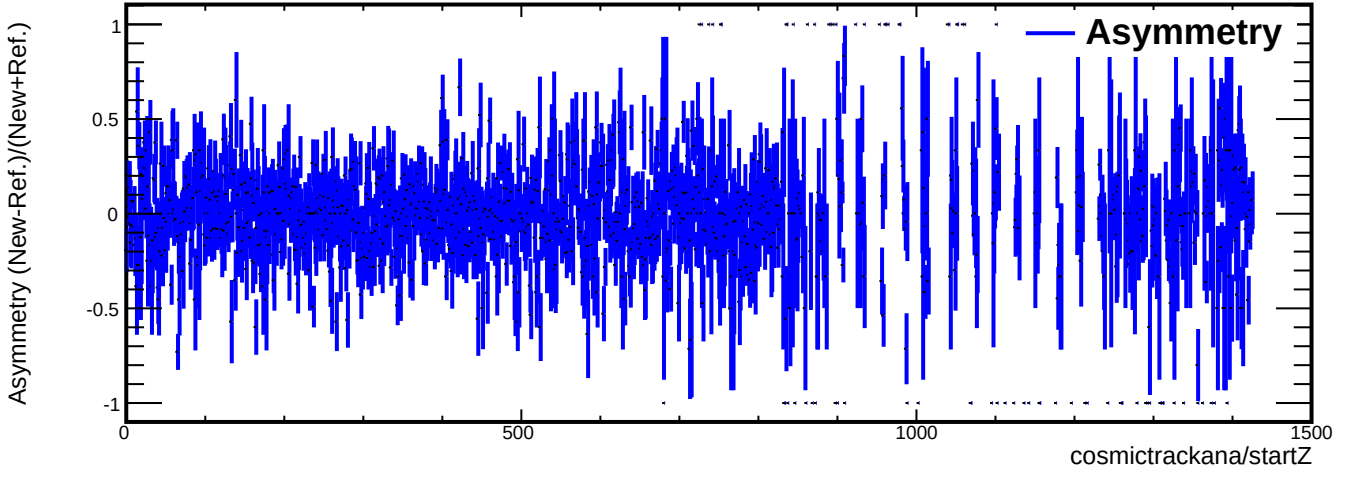

KS 0.139442, chi2 4.20756e-19
2013-08-31
2013-09-01
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

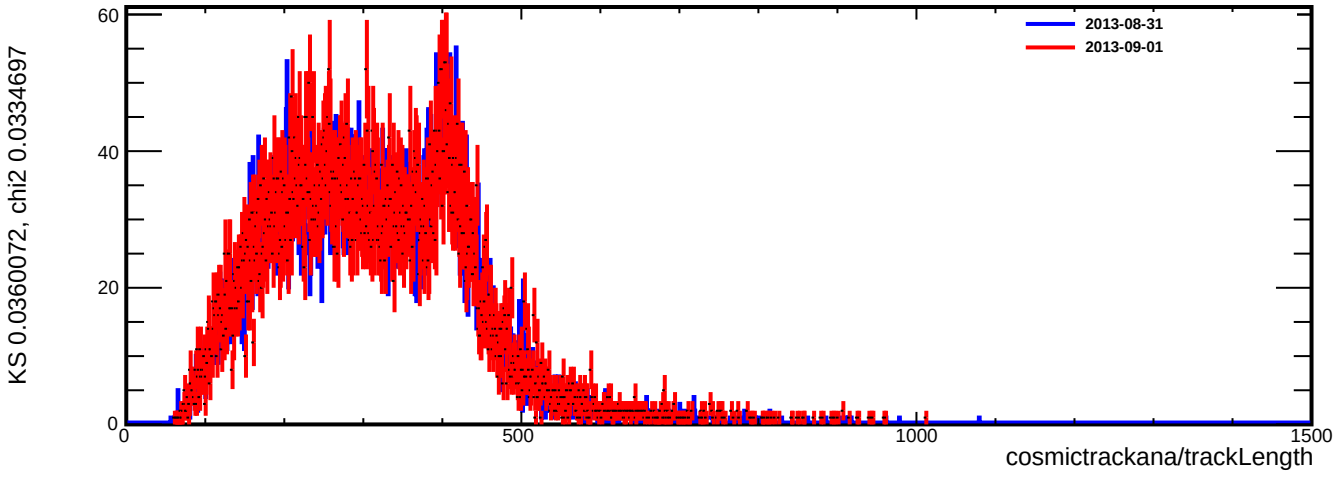

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startX

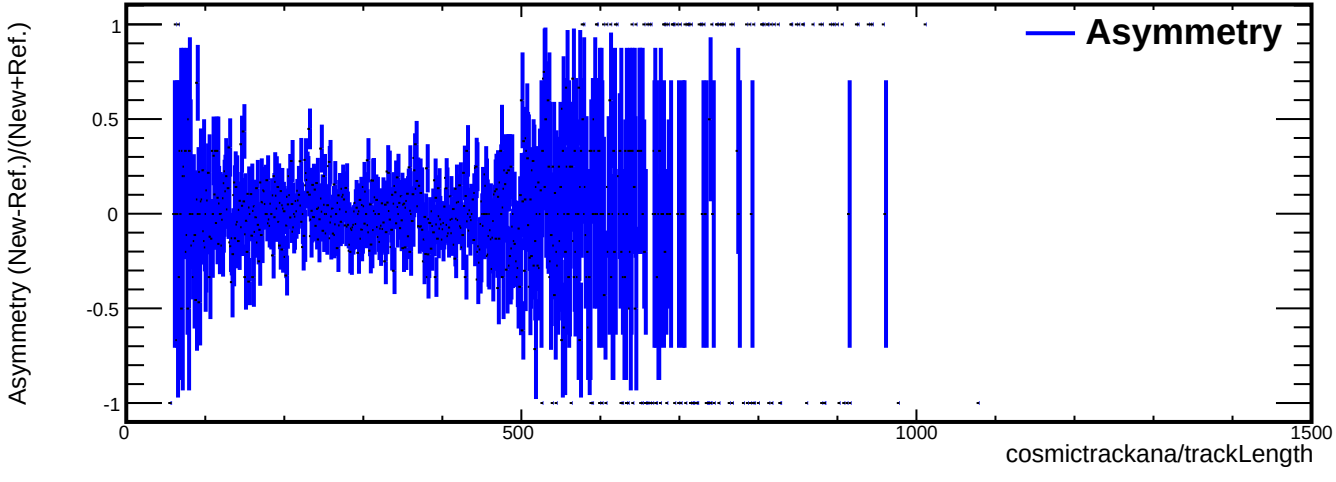

KS 0.410741, chi2 7.20428e-13
2013-08-31
2013-09-01
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

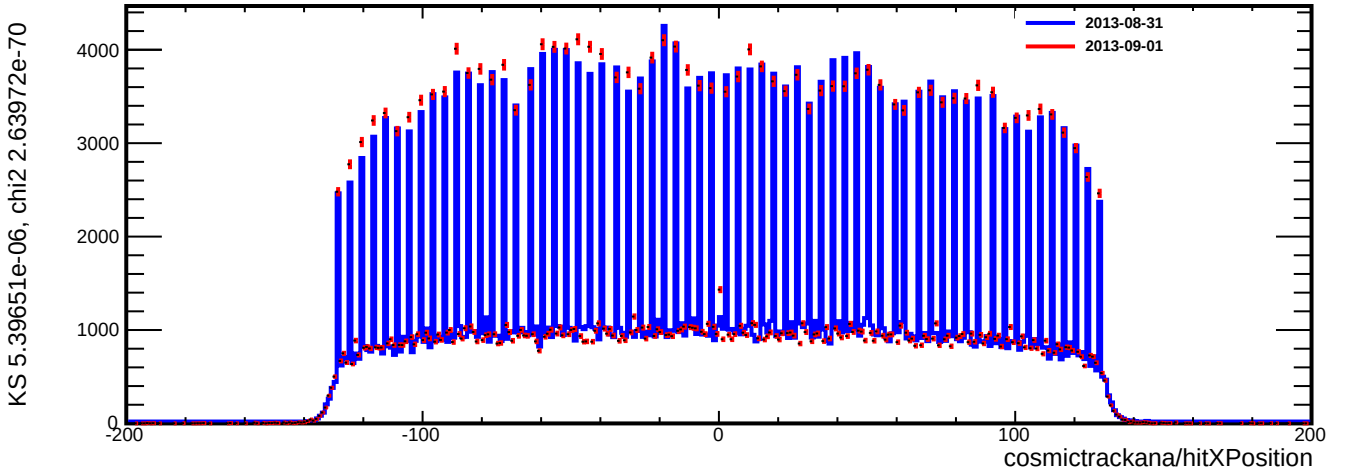

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

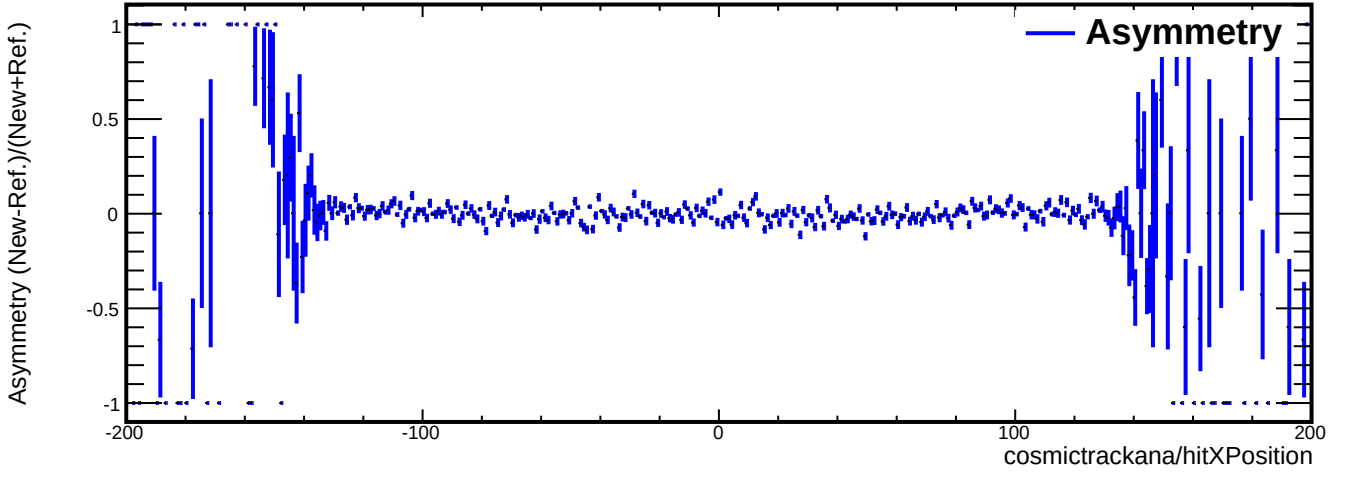

KS 0.343226, chi2 1.20434e-50
2013-08-31
2013-09-01
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

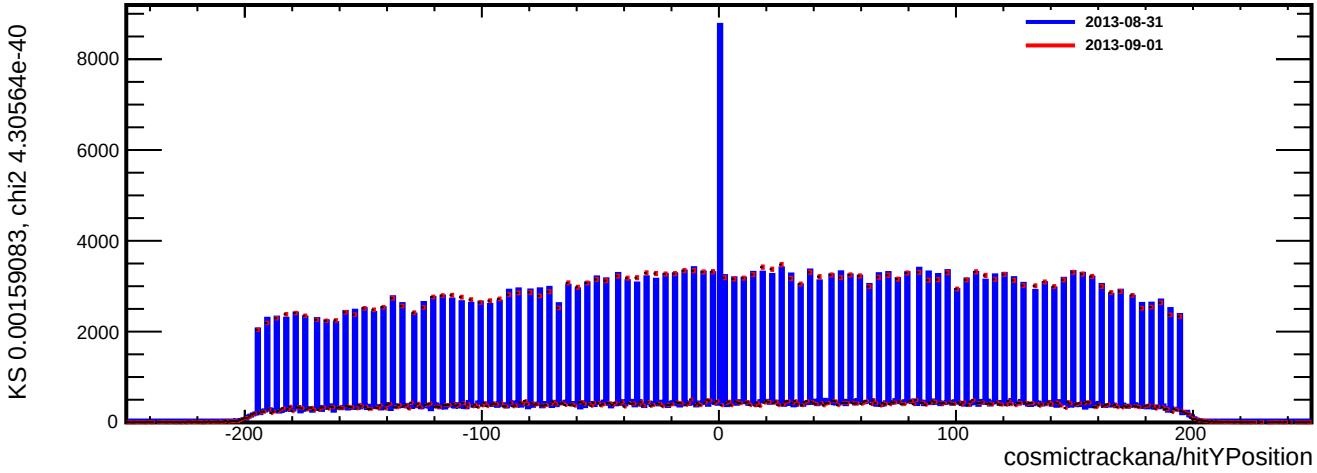

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

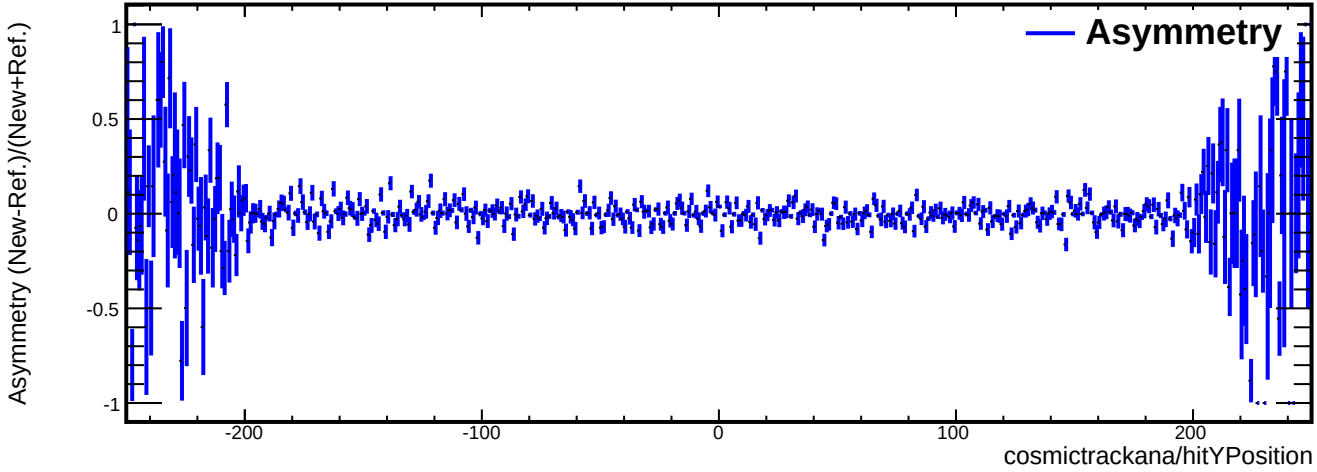

KS 0.0360072, chi2 0.0334697
60
40
20
0
0
500
1000
1500
cosmictrackana/trackLength
2013-08-31
2013-09-01

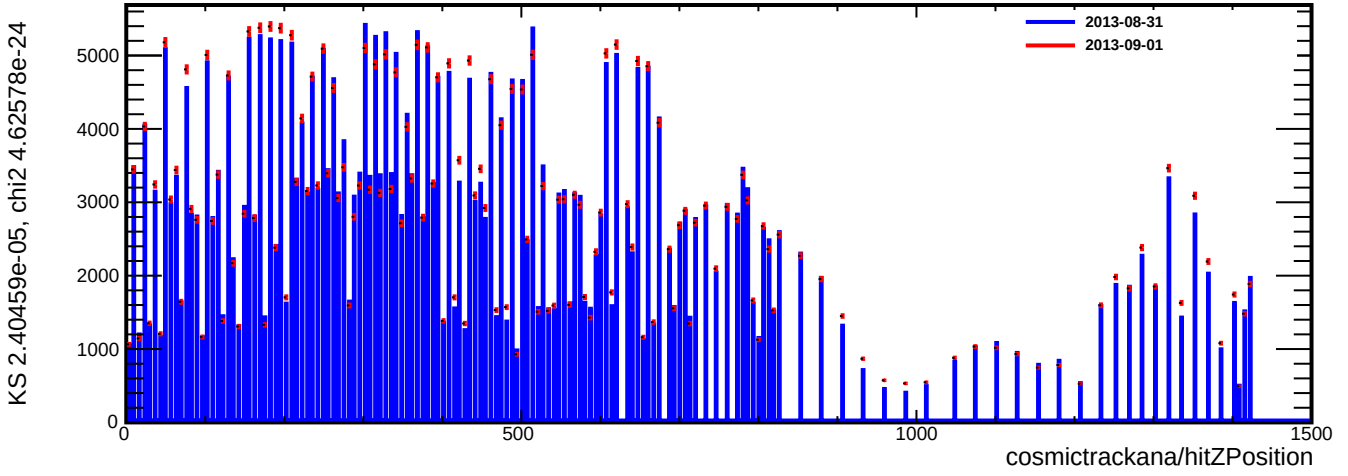

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/trackLength
Asymmetry

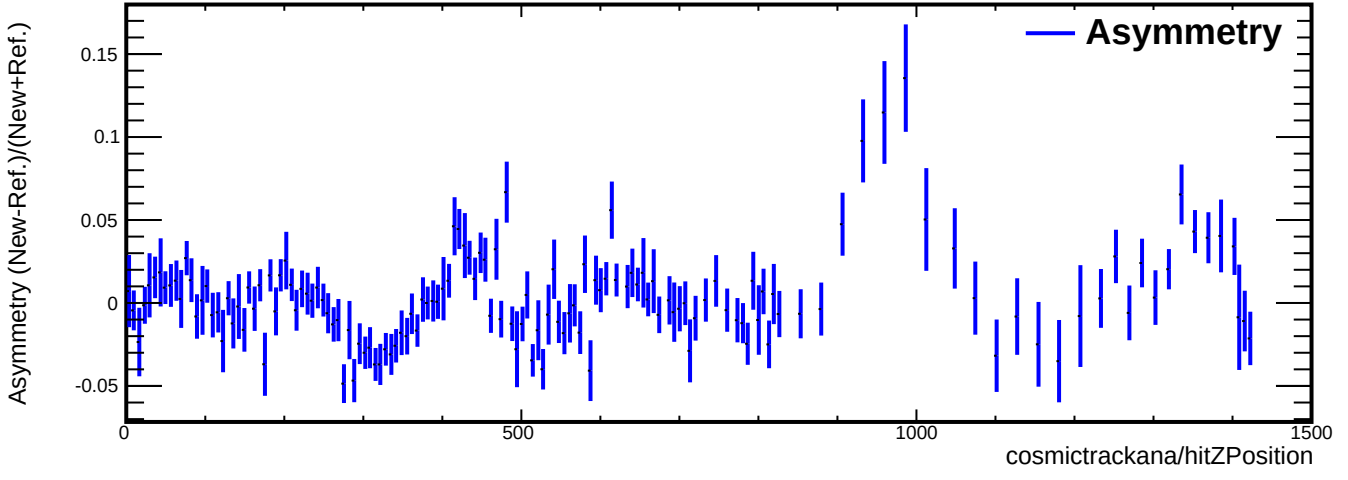

KS 5.39651e-06, chi2 2.63972e-70
2013-08-31
2013-09-01
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

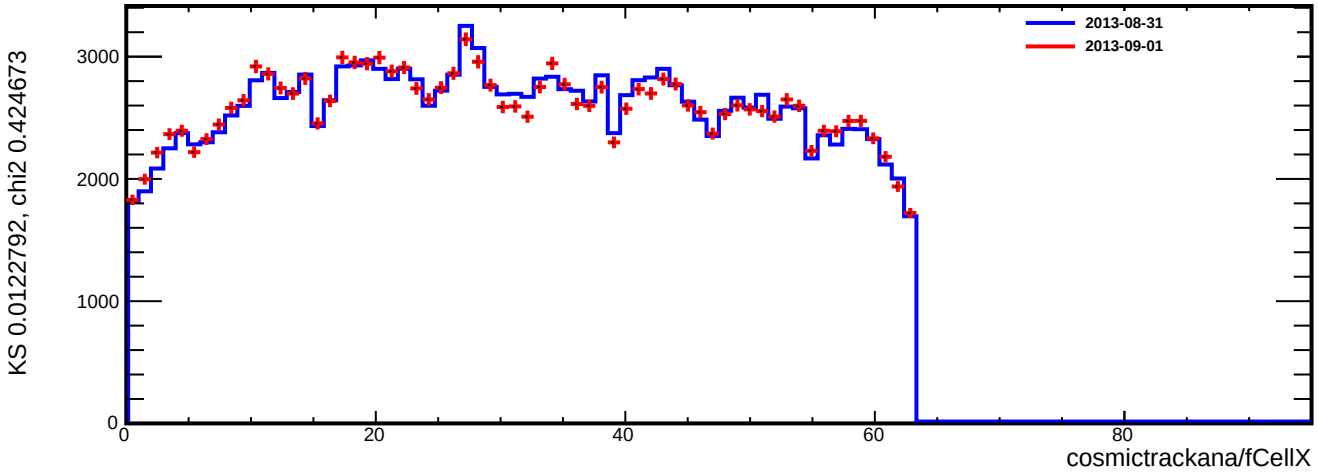

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

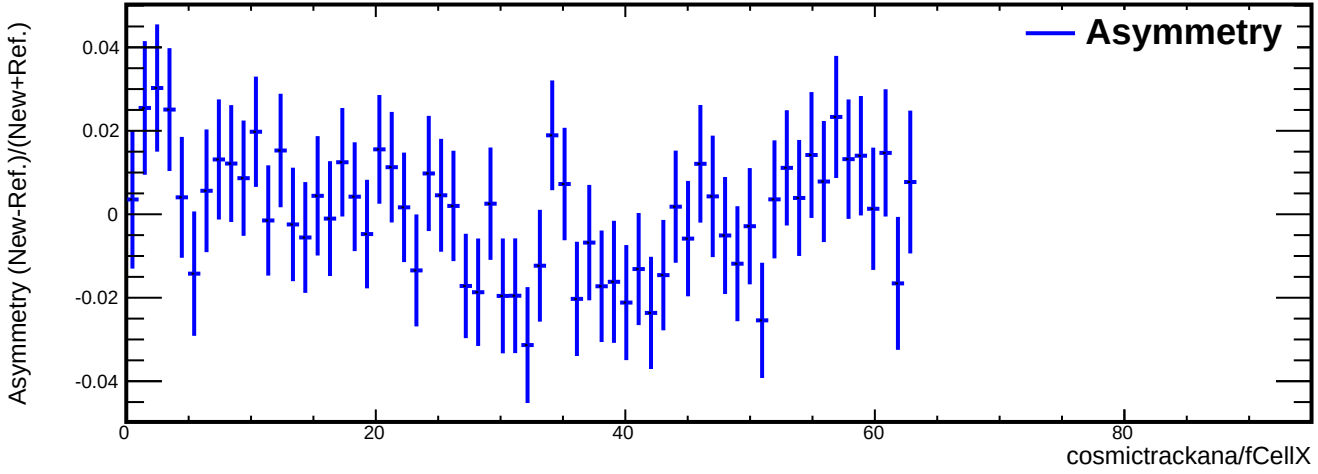

KS 0.00159083, chi2 4.30564e-40
2013-08-31
2013-09-01
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

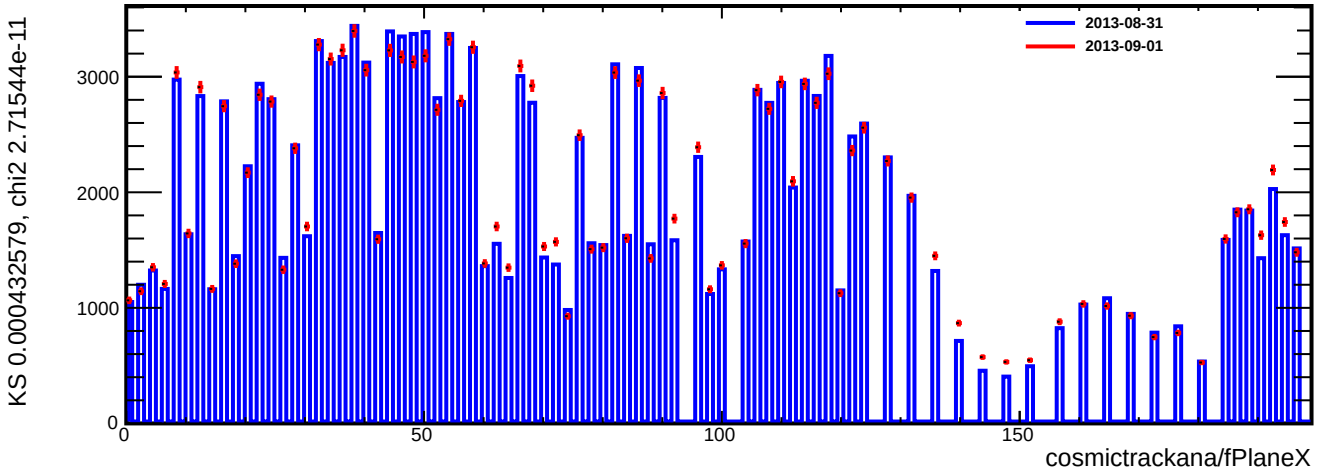

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

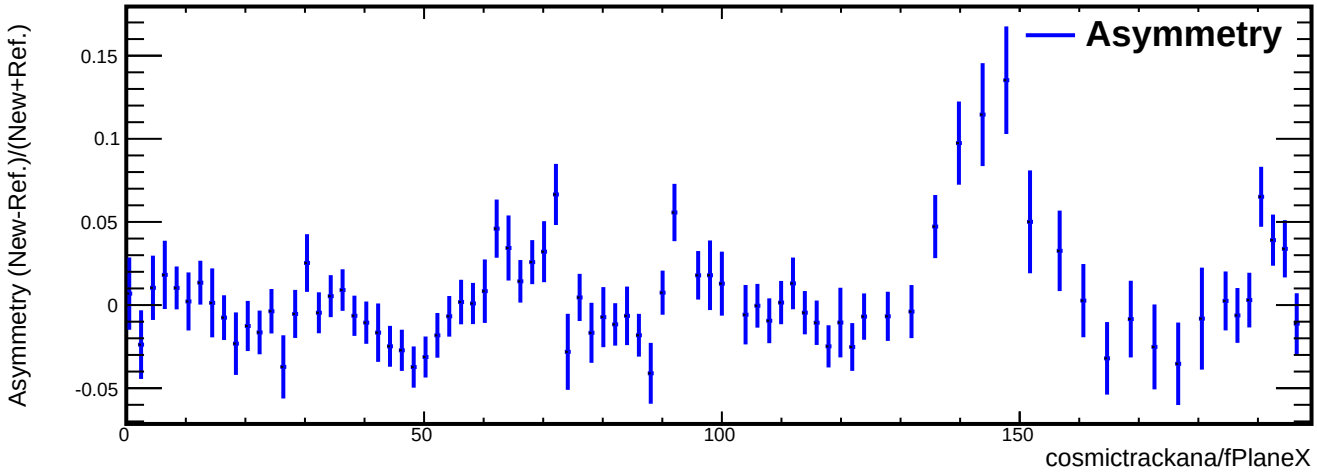

KS 2.40459e-05, chi2 4.62578e-24
2013-08-31
2013-09-01
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

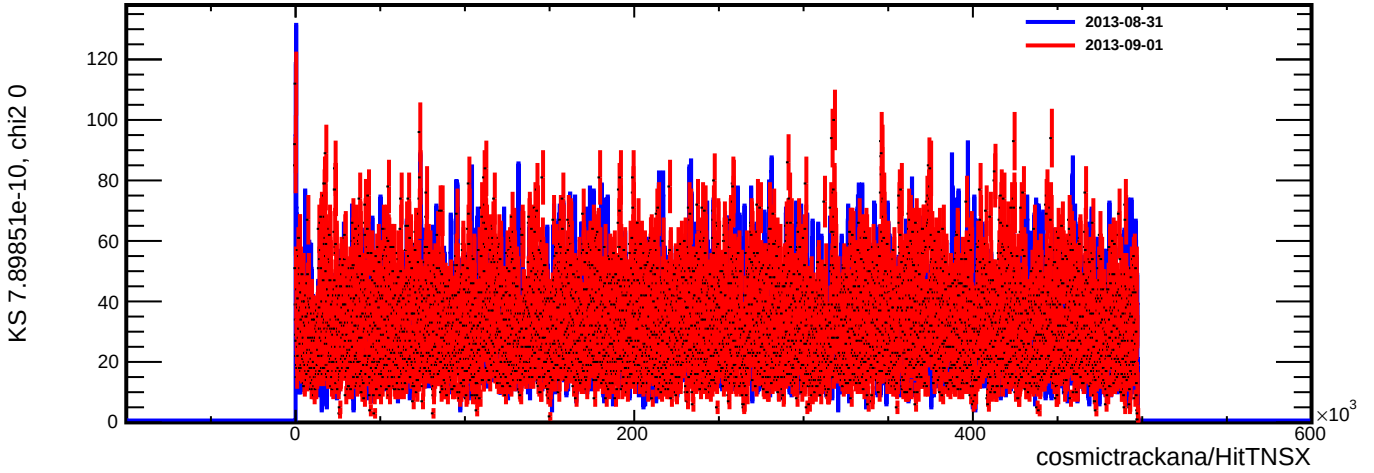

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-0.05
0
0.05
0.1
0.15
0
500
1000
1500
cosmictrackana/hitZPosition

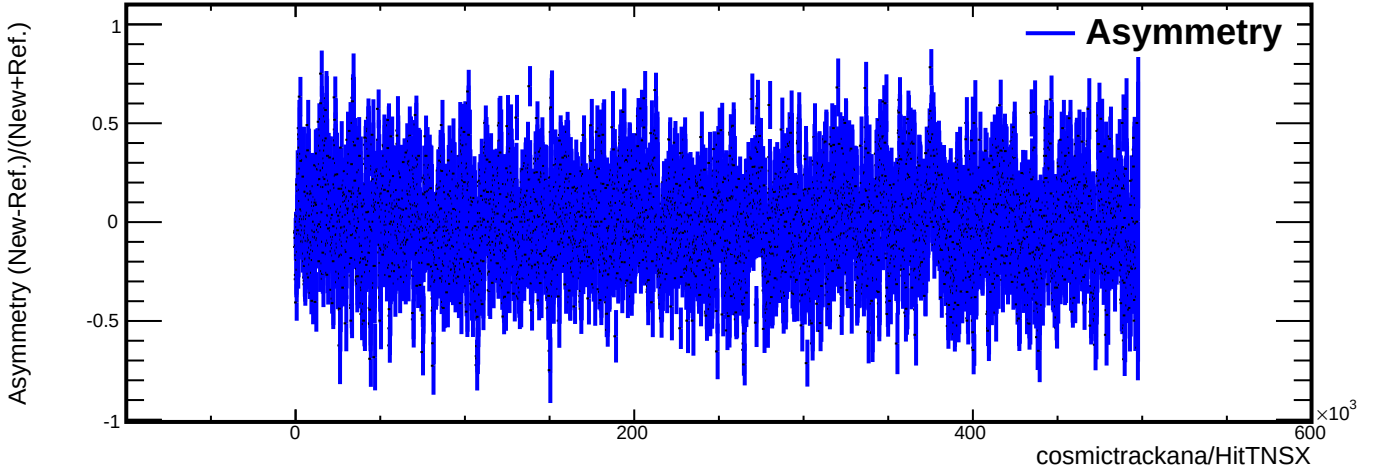

KS 0.0122792, chi2 0.424673
2013-08-31
2013-09-01
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellX

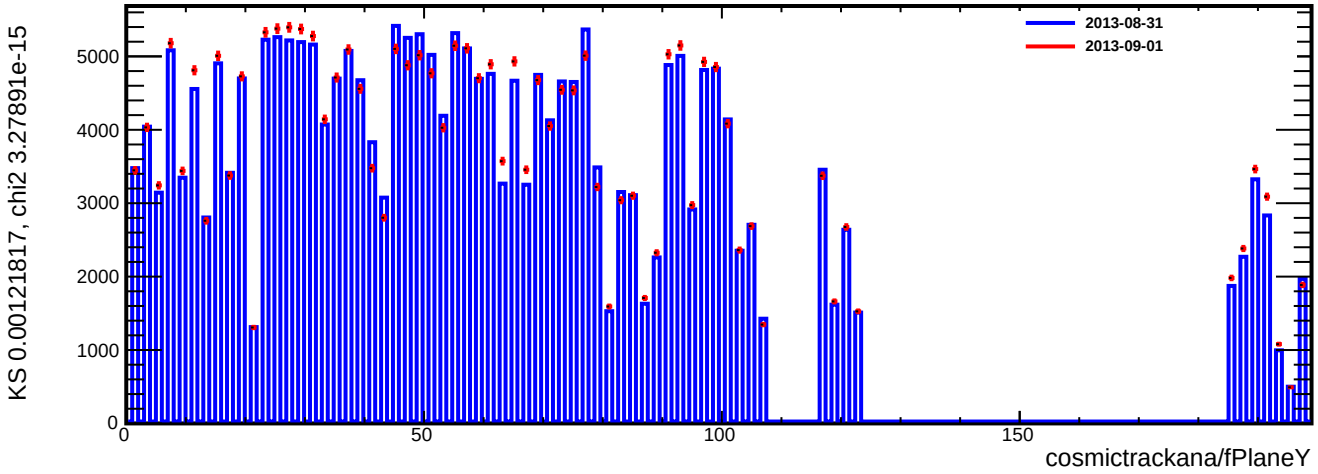

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellX

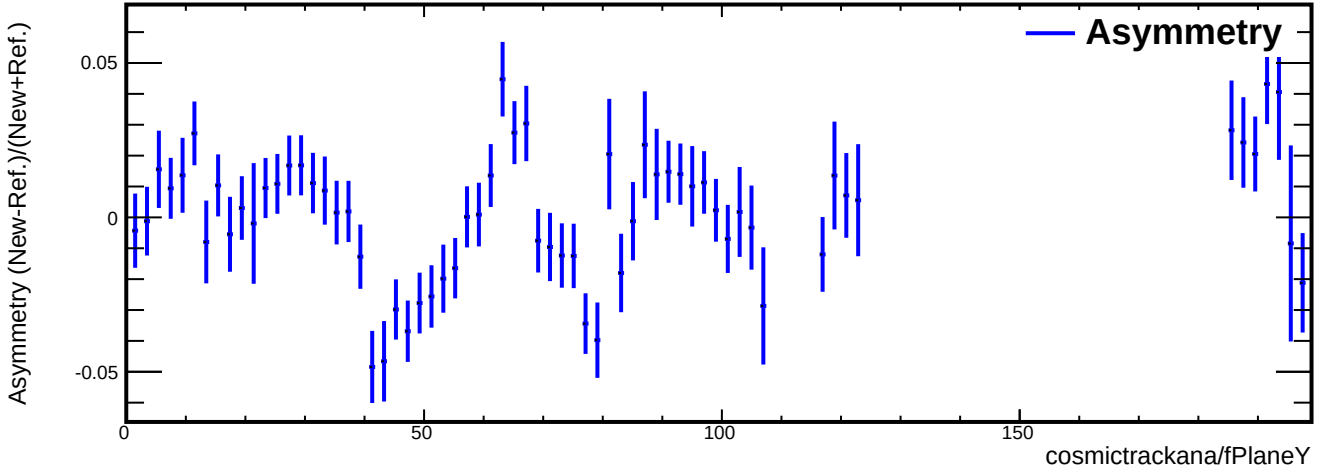

KS 0.000432579, chi2 2.71544e-11
2013-08-31
2013-09-01
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

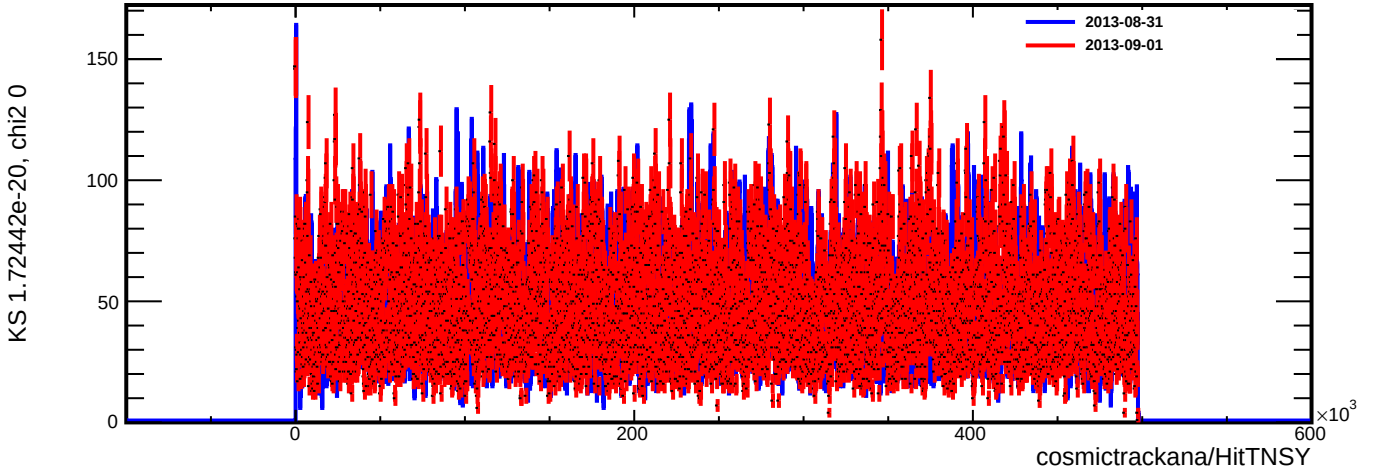

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-0.05
0
0.05
0.1
0.15
0
50
100
150
cosmictrackana/fPlaneX

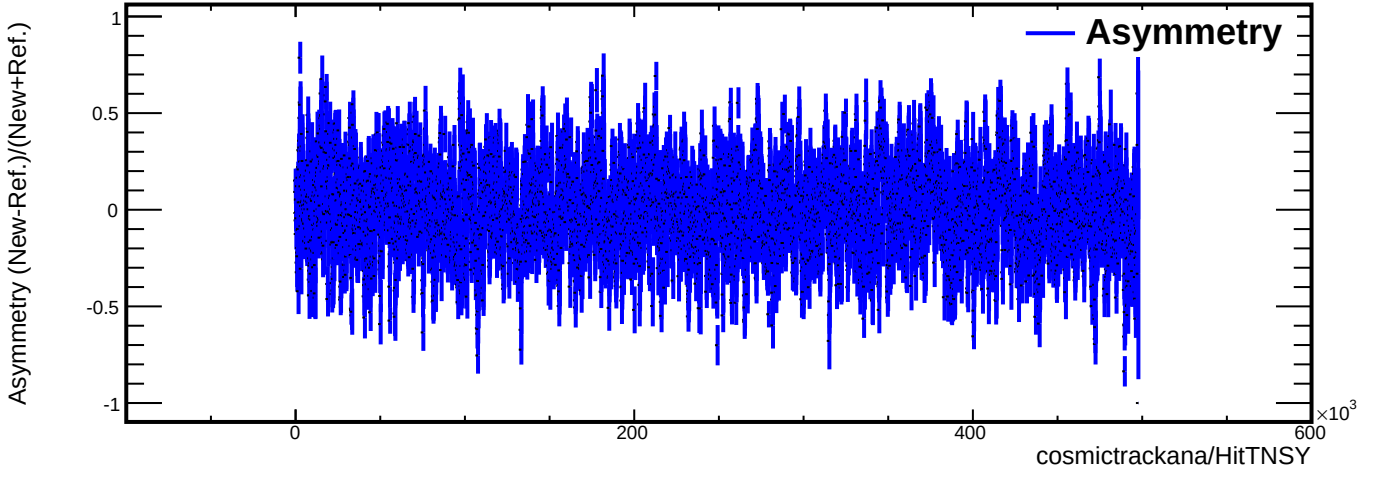

2013-08-31
2013-09-01
KS 7.89851e-10, chi2 0
120
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX


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


KS 0.00121817, chi2 3.27891e-15
2013-08-31
2013-09-01
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


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


2013-08-31
2013-09-01
KS 1.72442e-20, 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
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSY