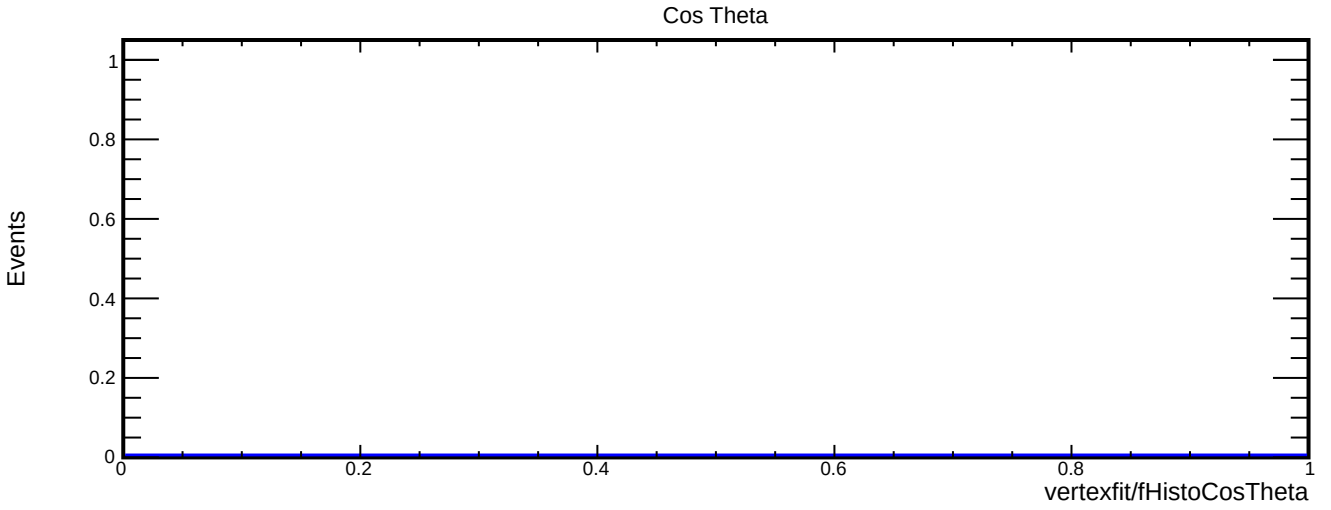
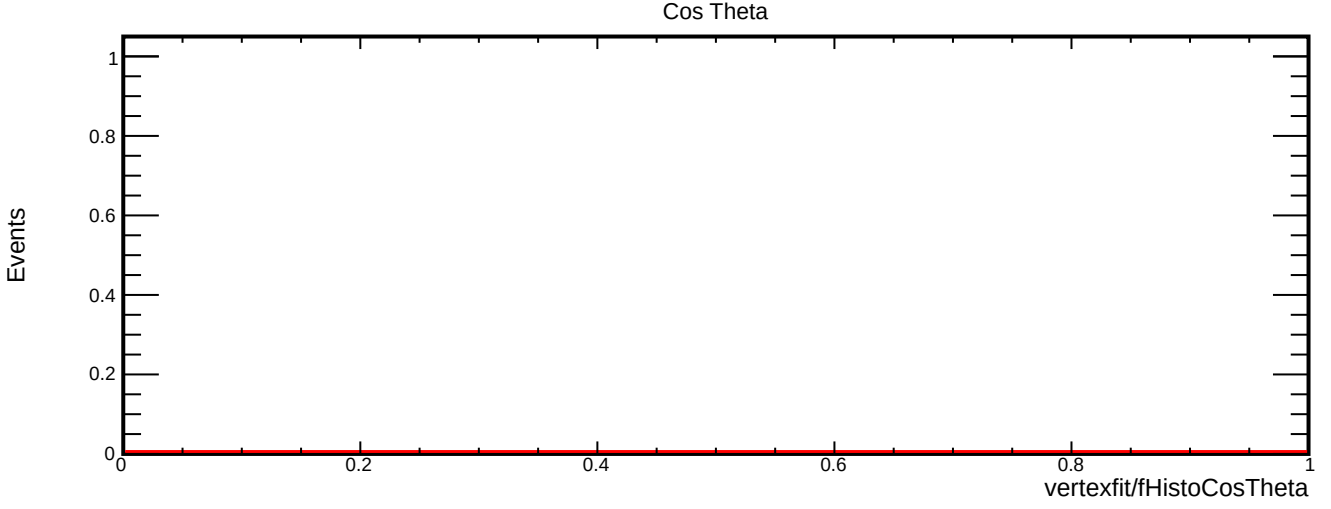
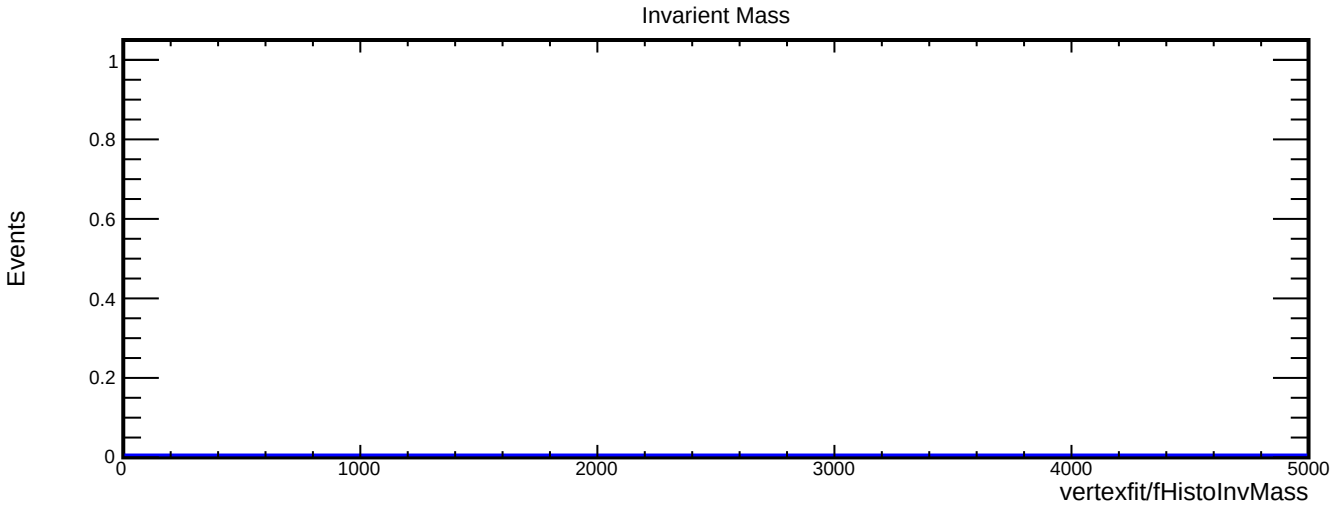
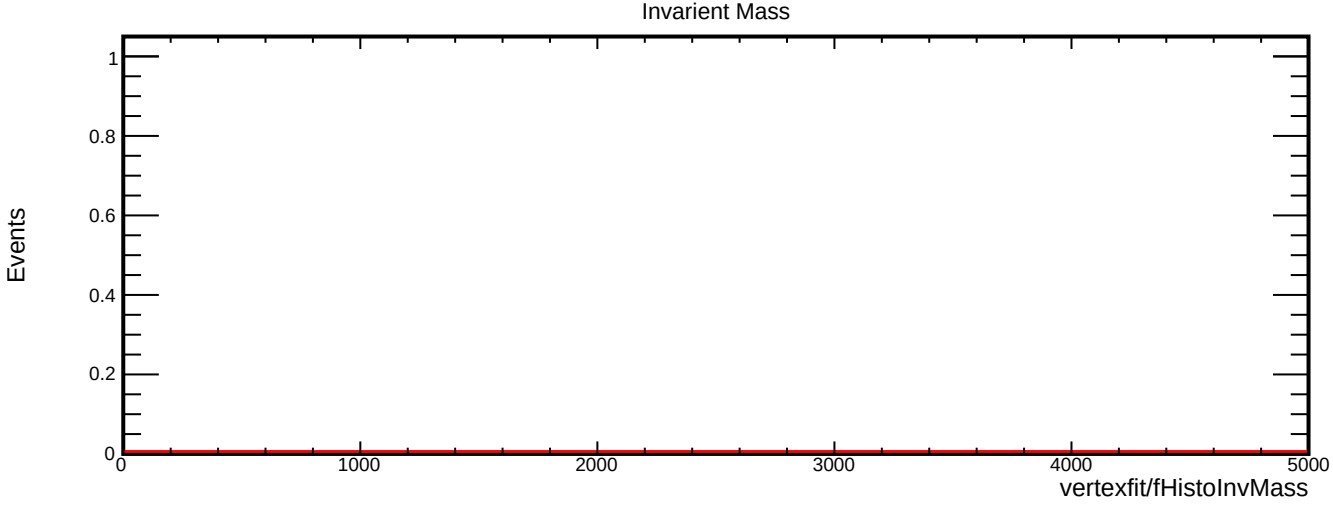
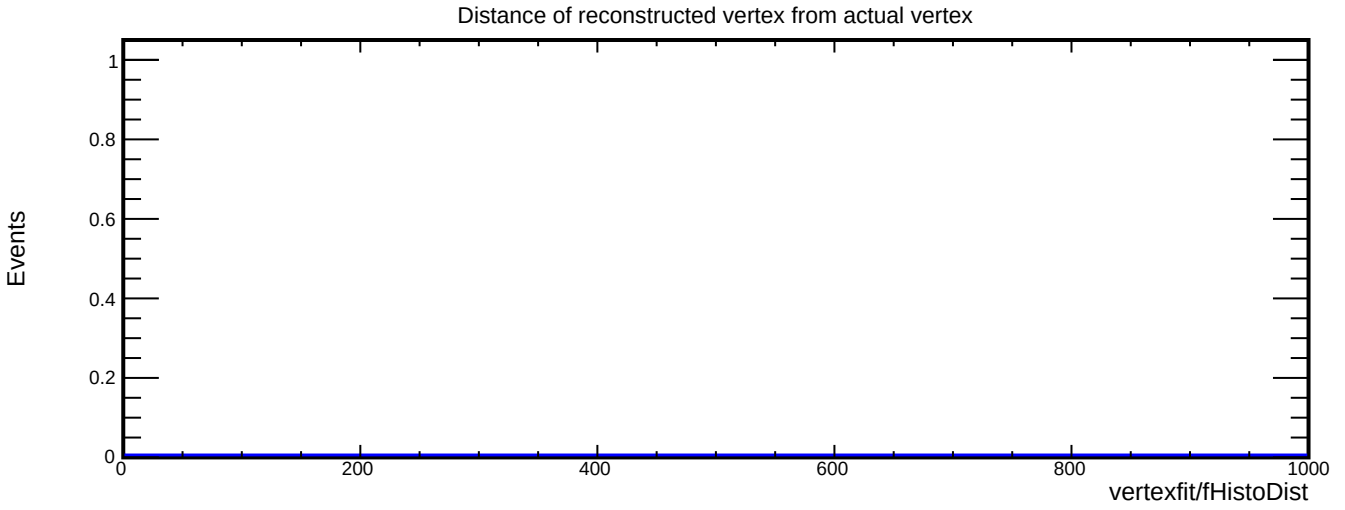
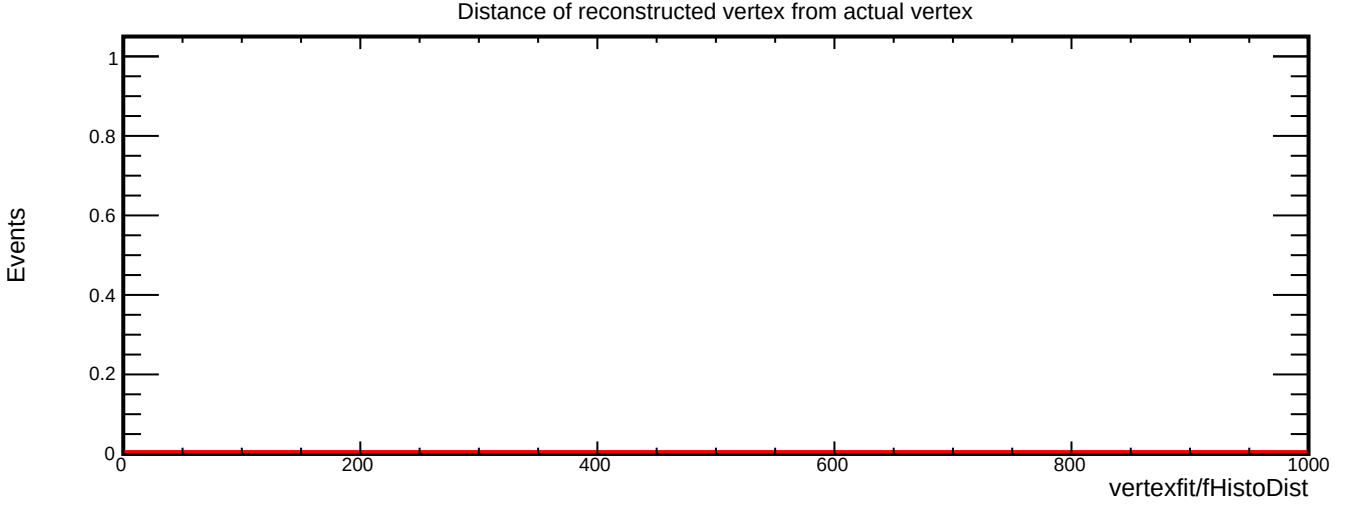

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

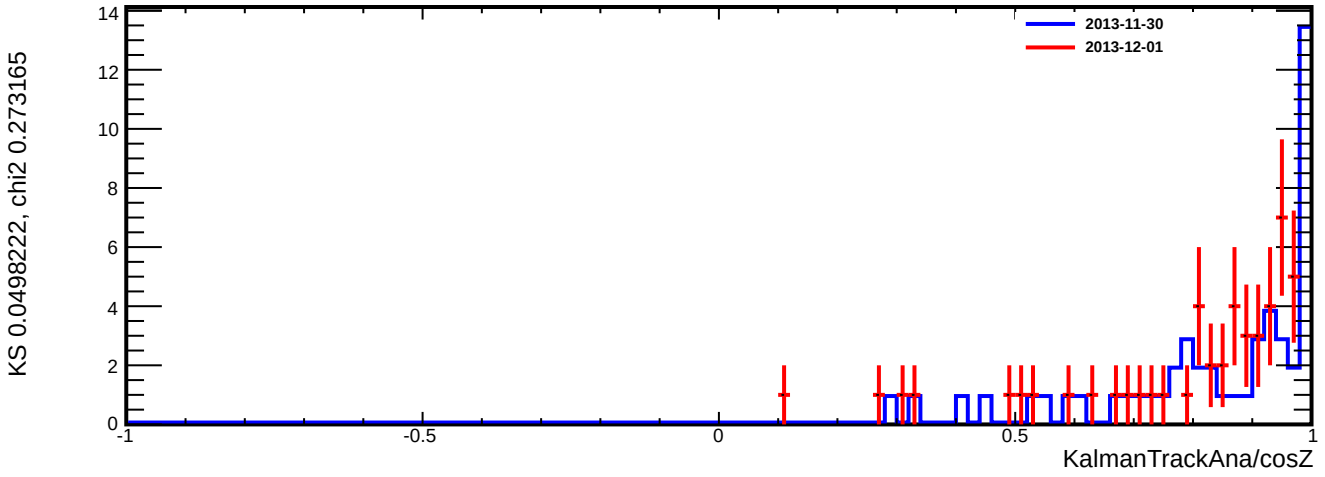

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

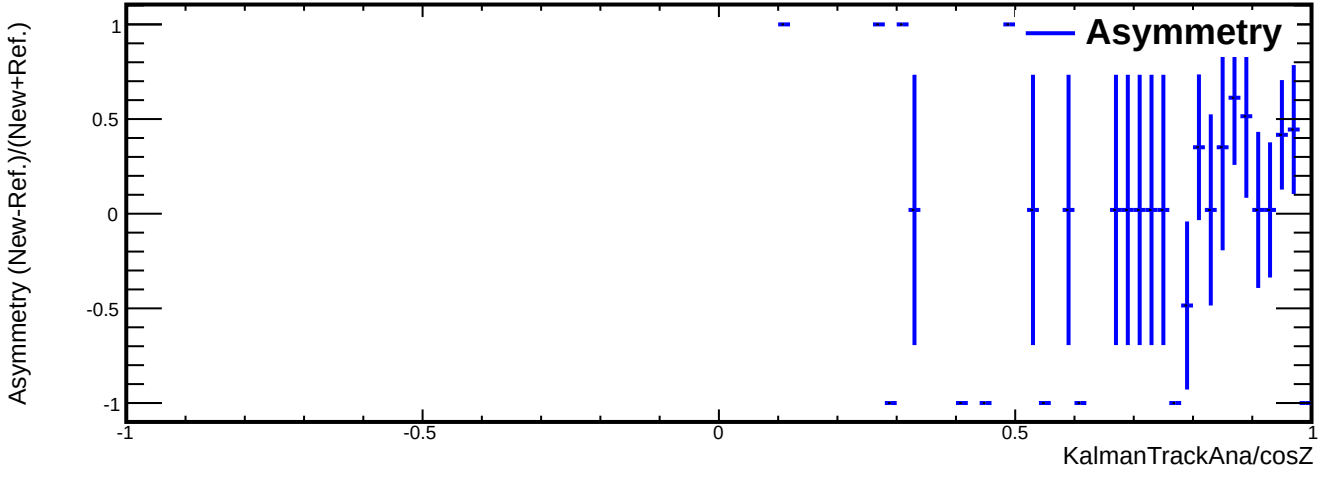

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

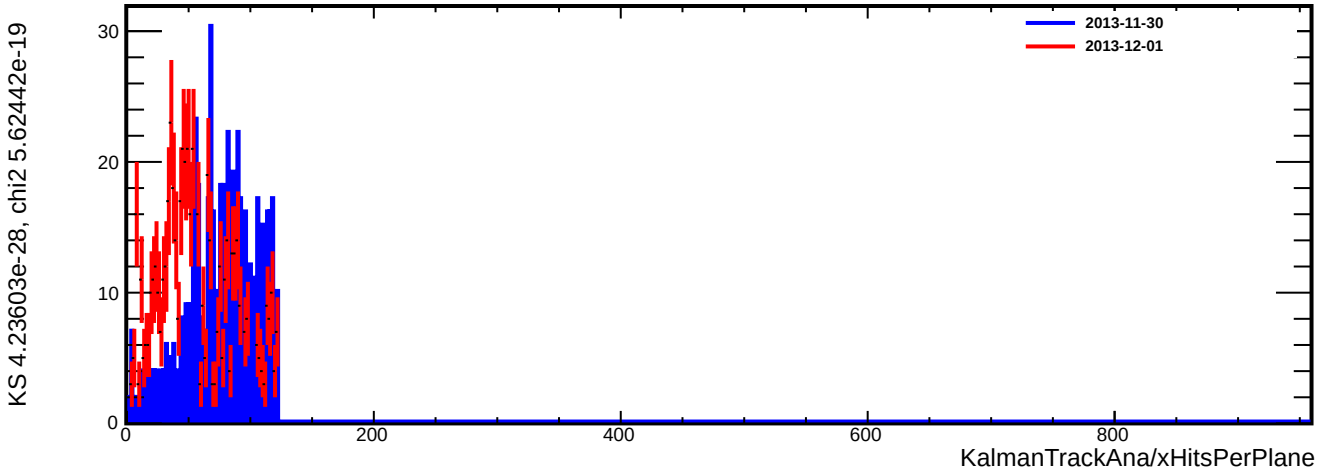

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

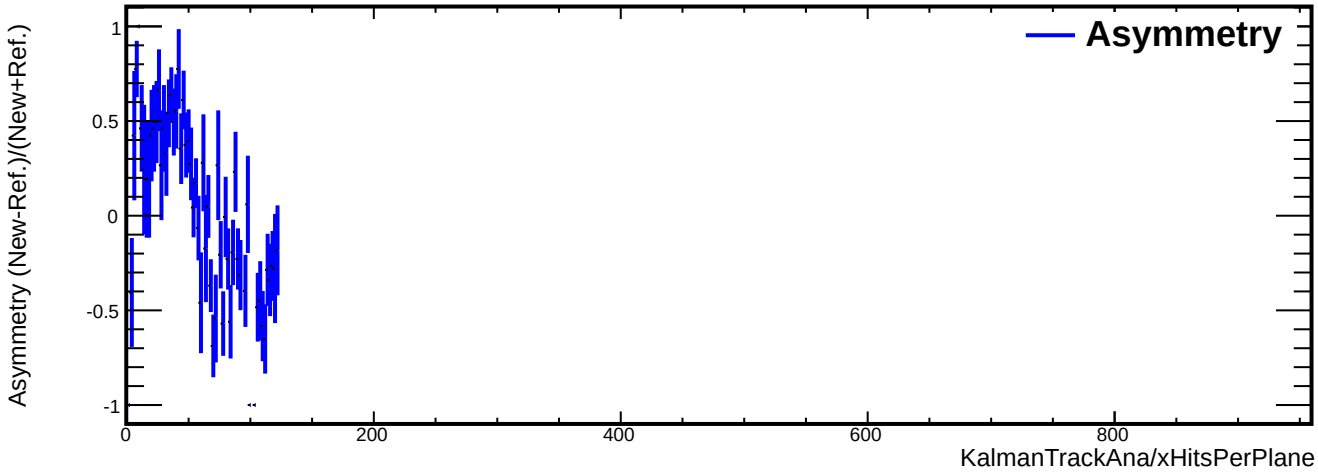

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

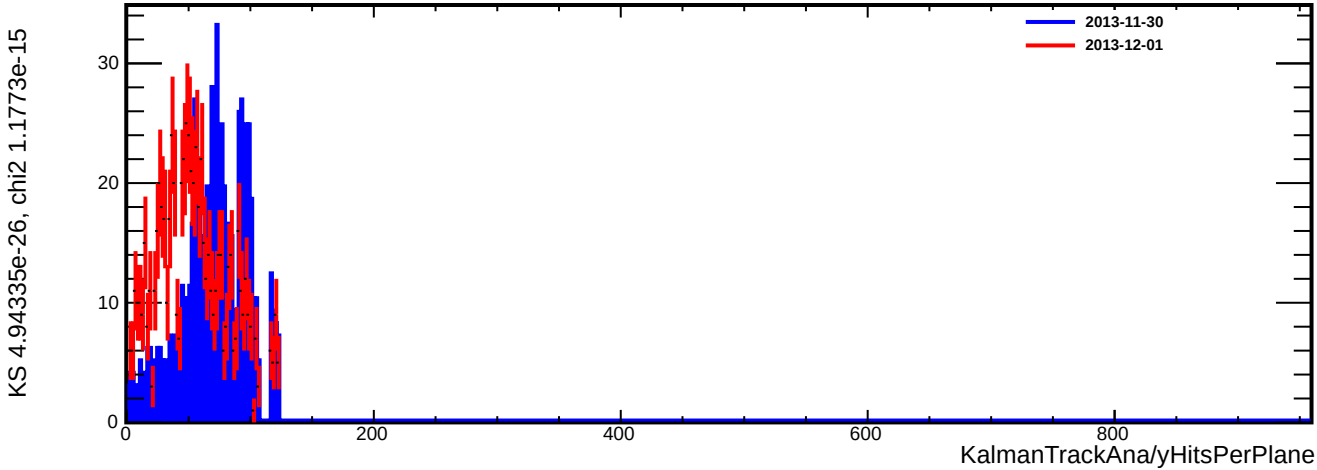

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

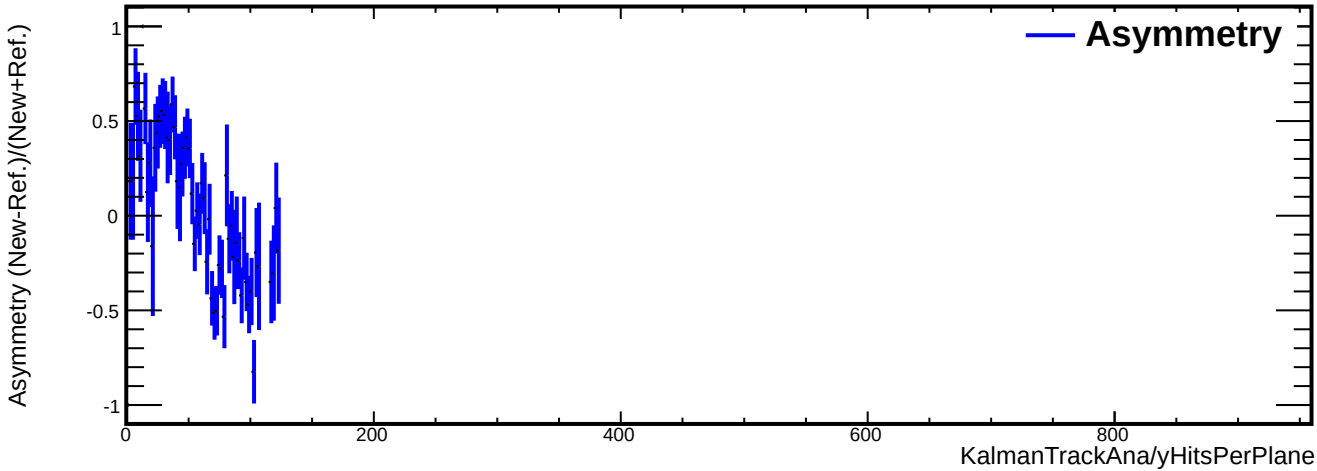

KS 0.0498222, chi2 0.273165
2013-11-30
2013-12-01
KalmanTrackAna/cosZ

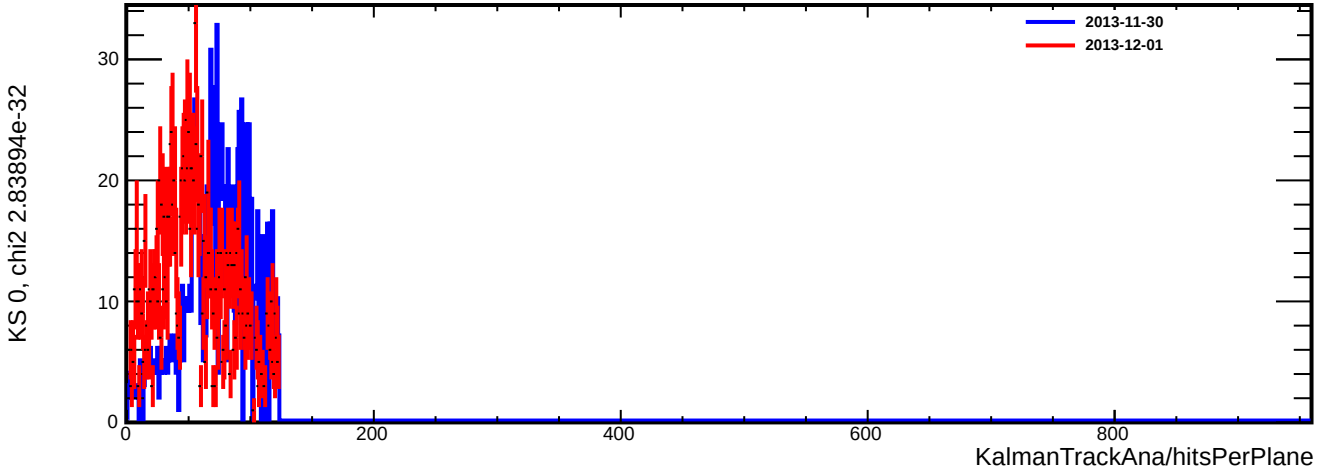

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/cosZ

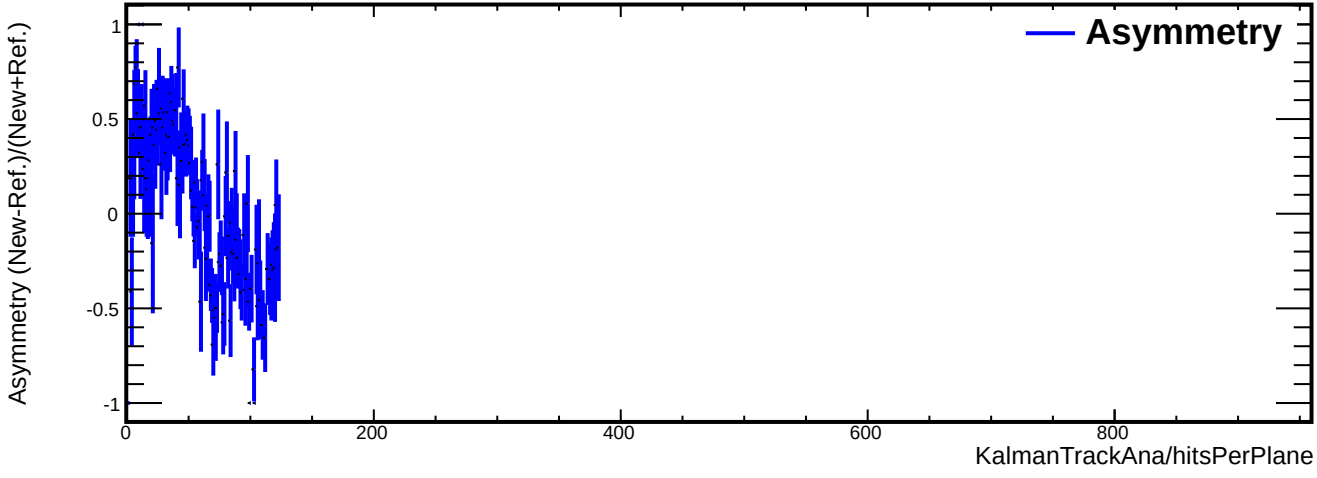

KS 4.23603e-28, chi2 5.62442e-19
2013-11-30
2013-12-01
30
20
10
0
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

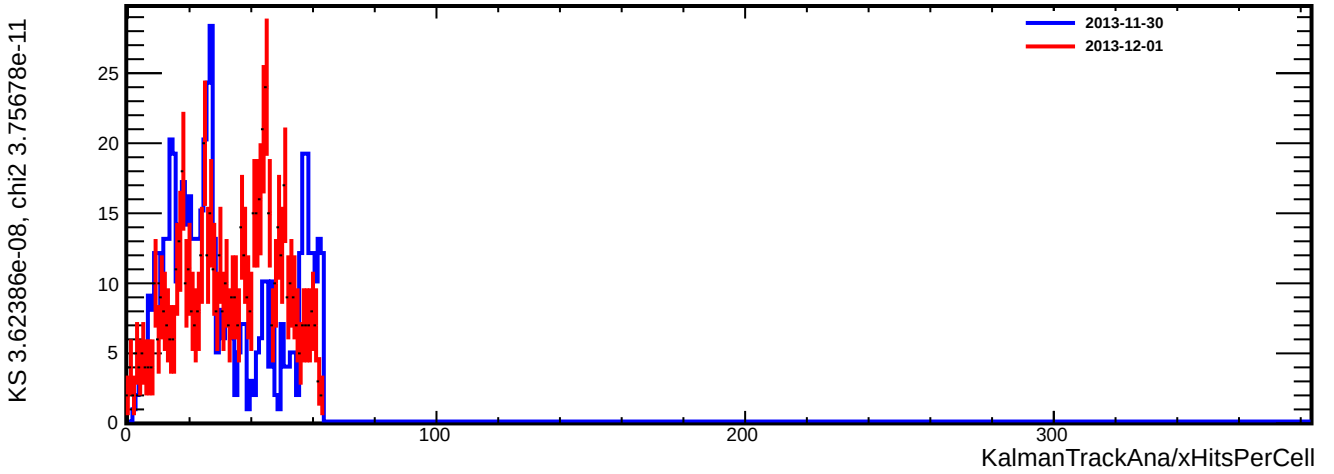

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

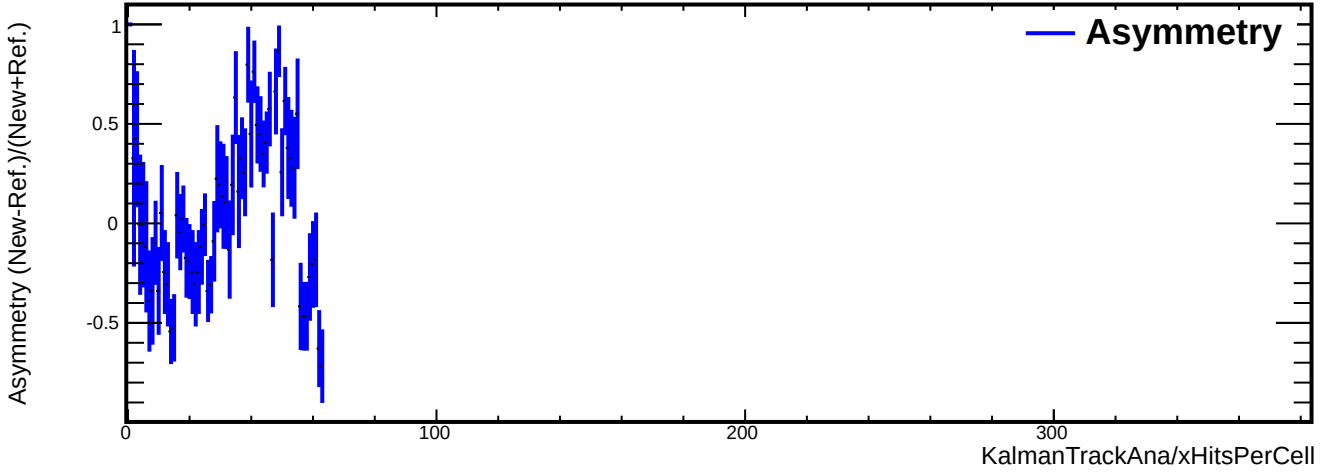

KS 4.94335e-26, chi2 1.1773e-15
2013-11-30
2013-12-01
0
10
20
30
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

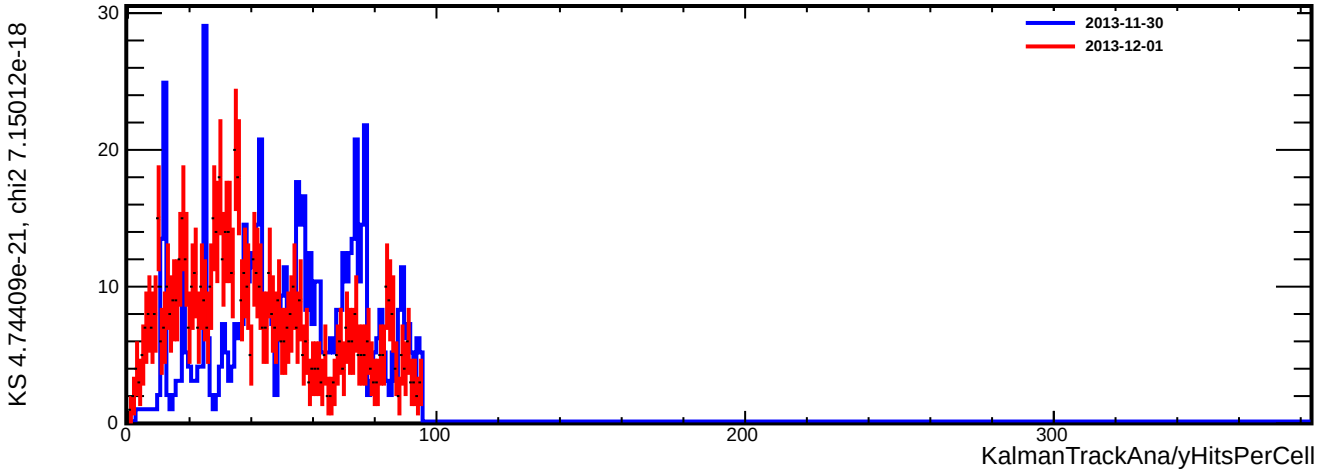

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

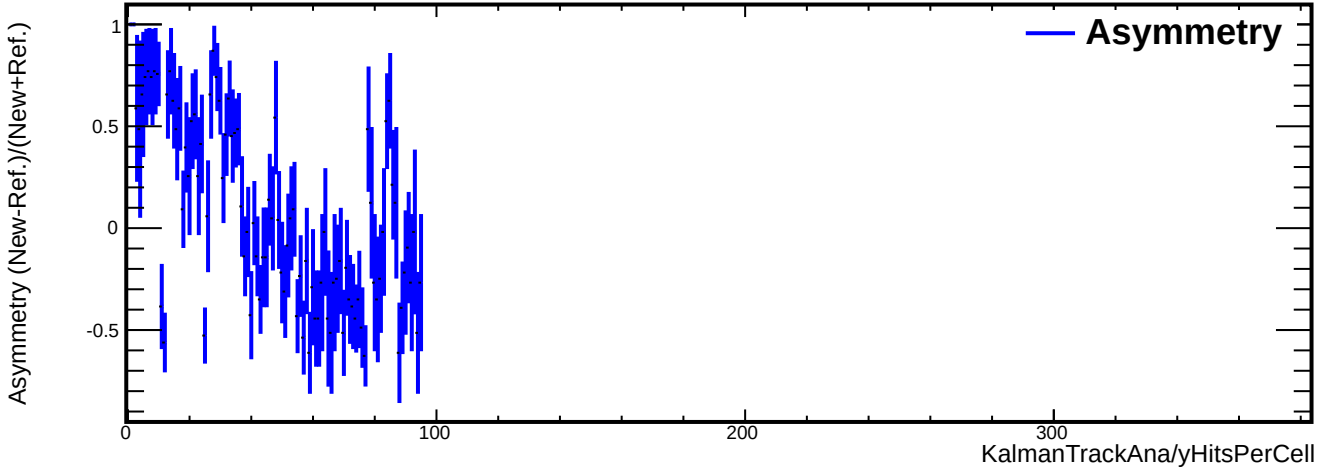

2013-11-30
2013-12-01
KS 0, chi2 2.83894e-32
30
20
10
0
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

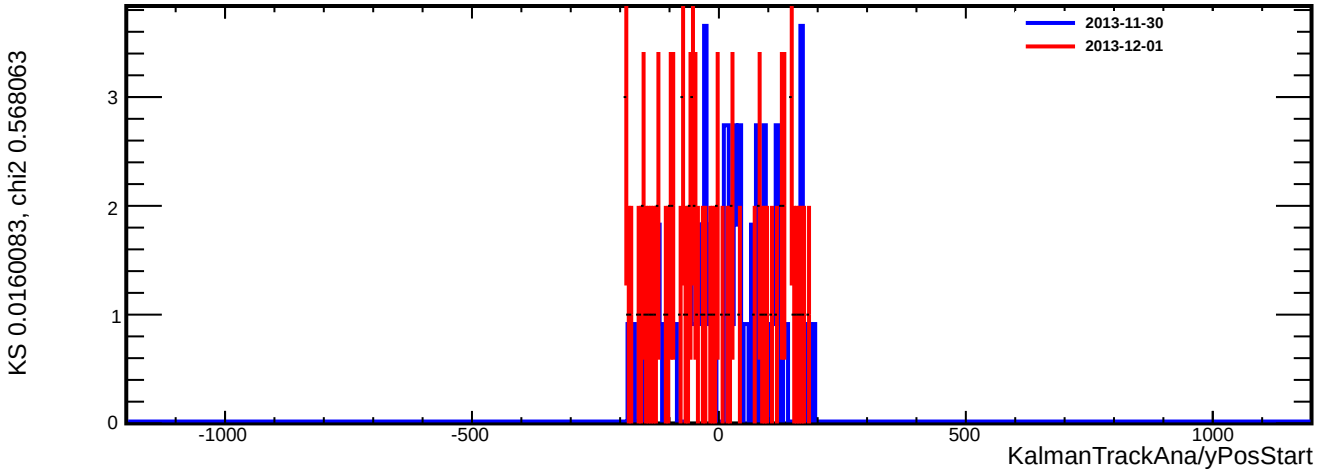

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

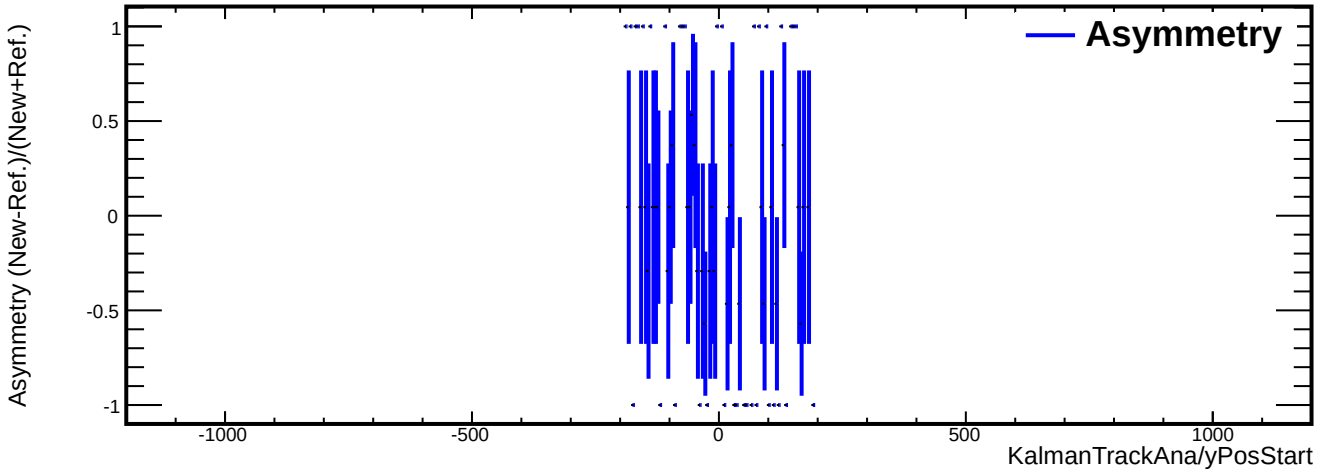

KS 3.62386e-08, chi2 3.75678e-11
2013-11-30
2013-12-01
0
5
10
15
20
25
0
100
200
300
KalmanTrackAna/xHitsPerCell

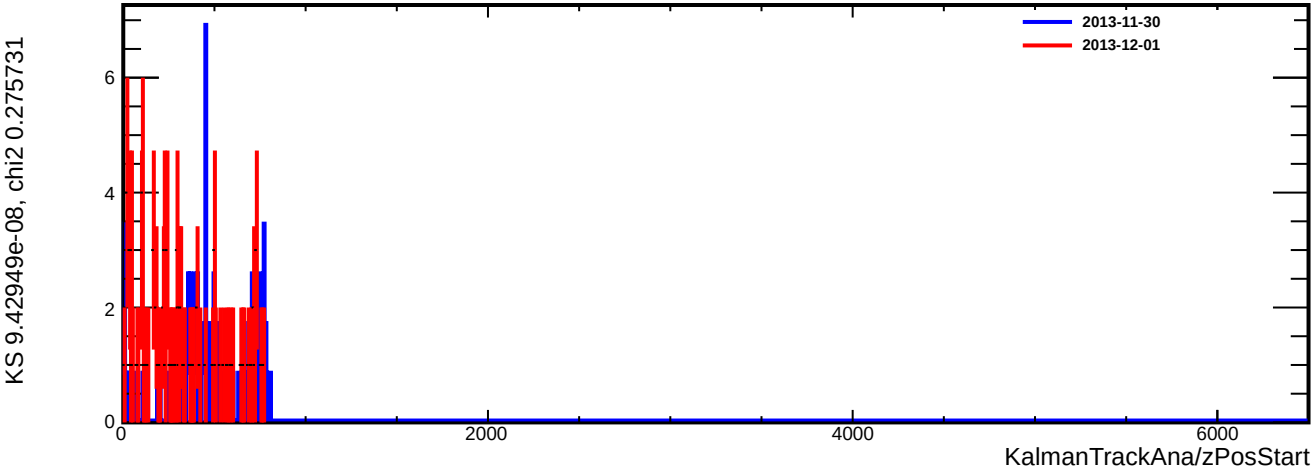

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
100
200
300
KalmanTrackAna/xHitsPerCell

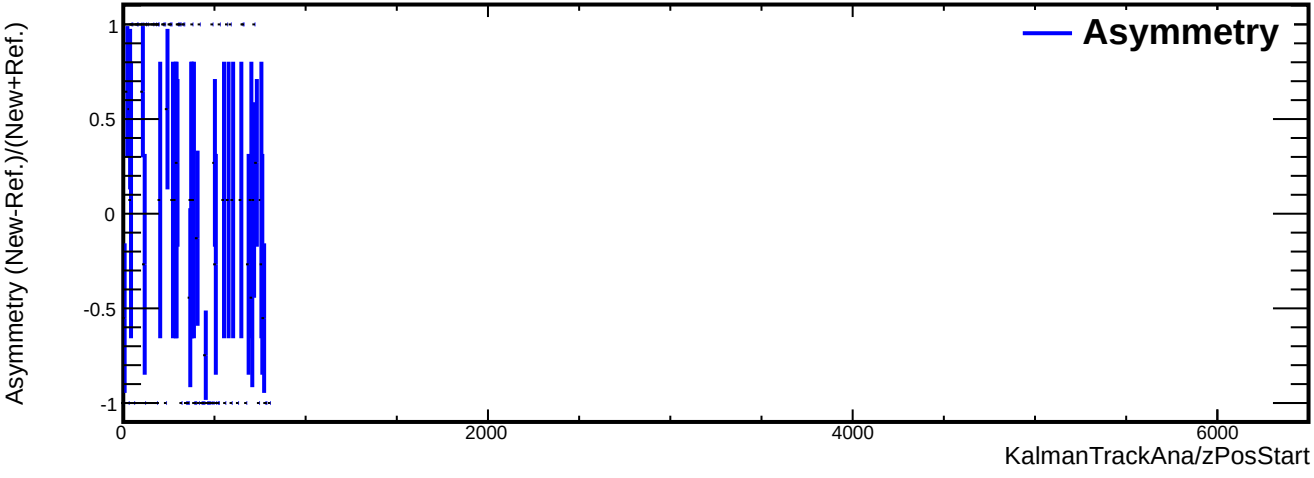

KS 4.74409e-21, chi2 7.15012e-18
30
20
10
0
0
100
200
300
KalmanTrackAna/yHitsPerCell
2013-11-30
2013-12-01

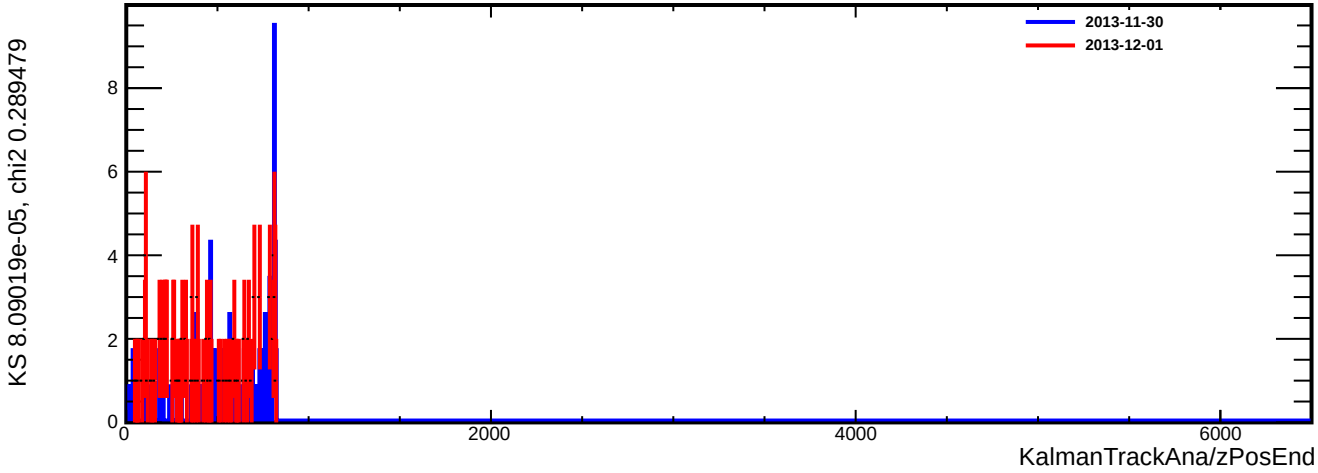

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
0
100
200
300
KalmanTrackAna/yHitsPerCell
Asymmetry

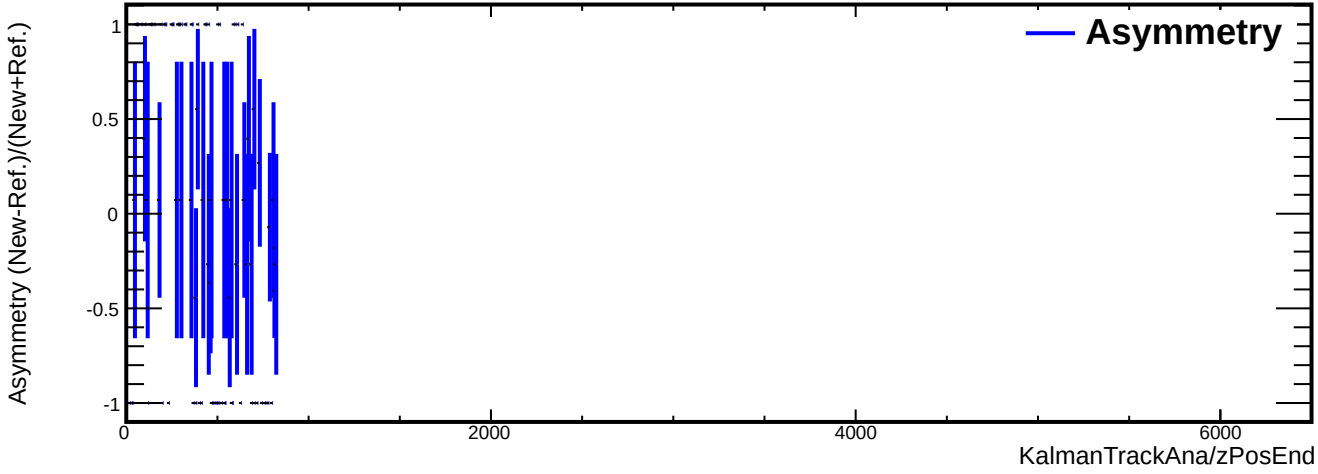

KS 0.0160083, chi2 0.568063
2013-11-30
2013-12-01
0
1
2
3
-1000
-500
0
500
1000
KalmanTrackAna/yPosStart

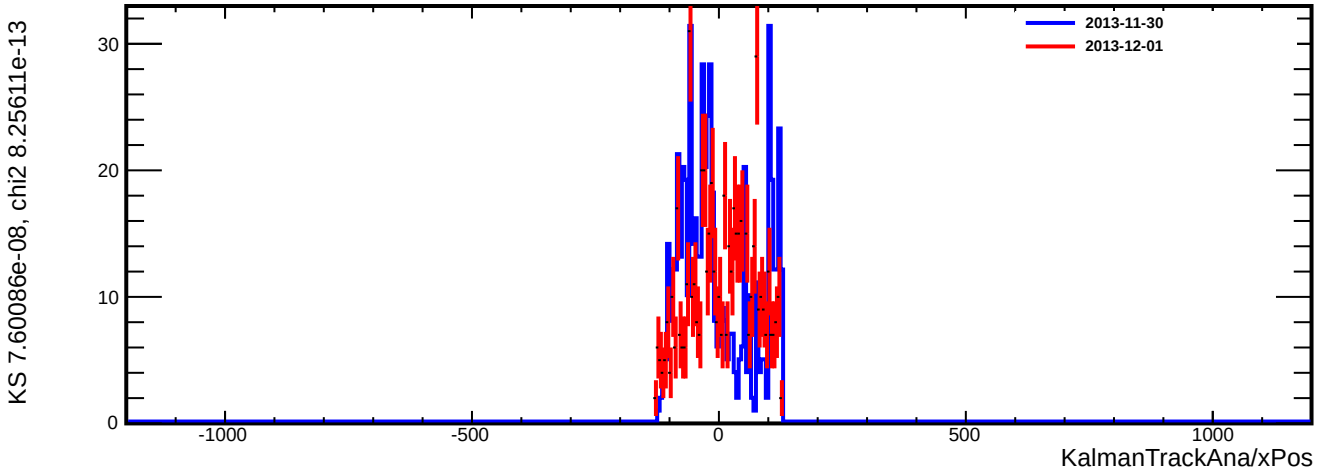

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPosStart

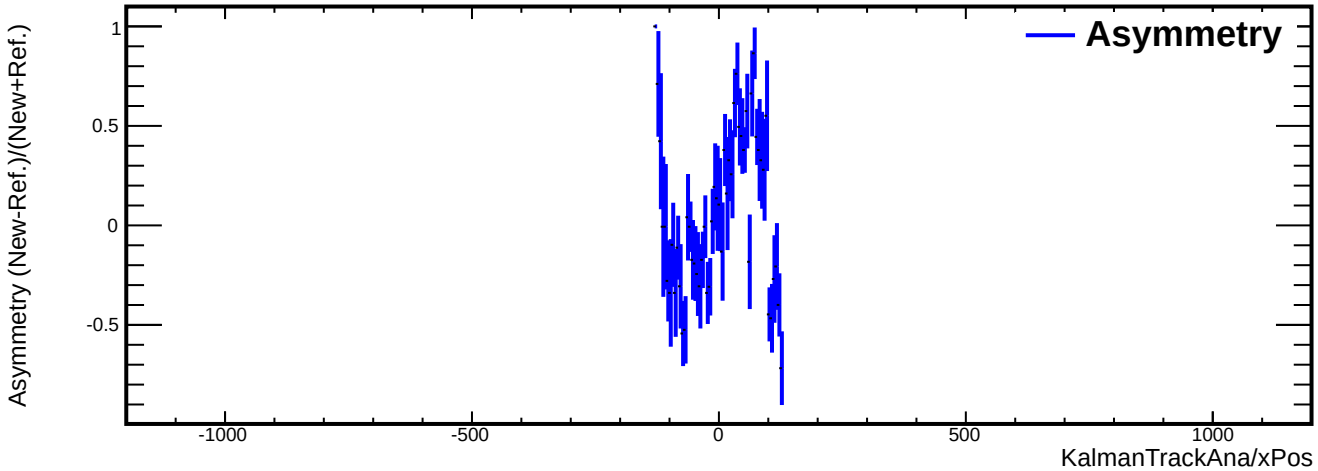

KS 9.42949e-08, chi2 0.275731
2013-11-30
2013-12-01
0
2
4
6
0
2000
4000
6000
KalmanTrackAna/zPosStart

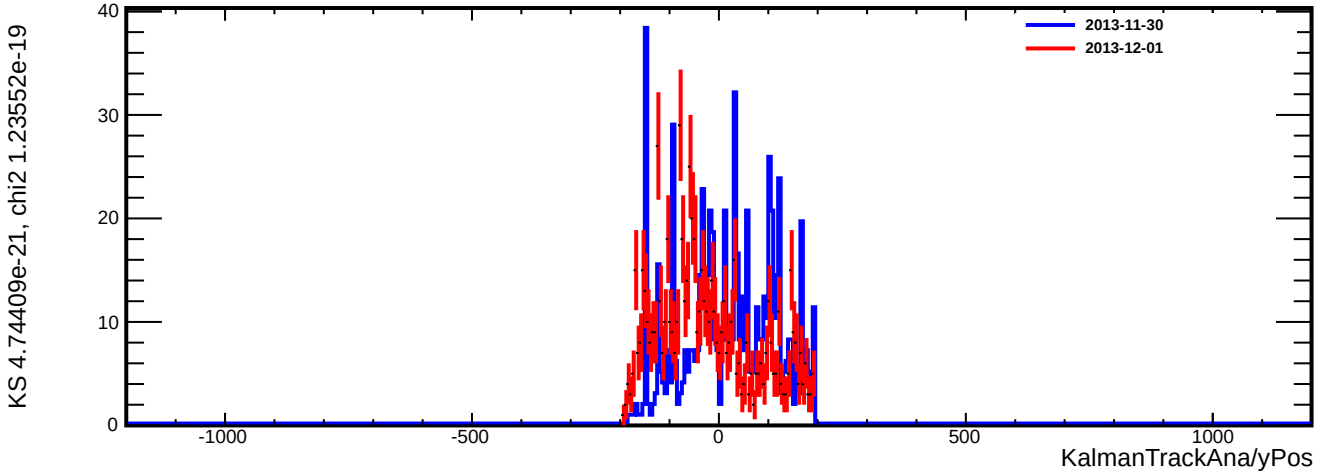

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2000
4000
6000
KalmanTrackAna/zPosStart

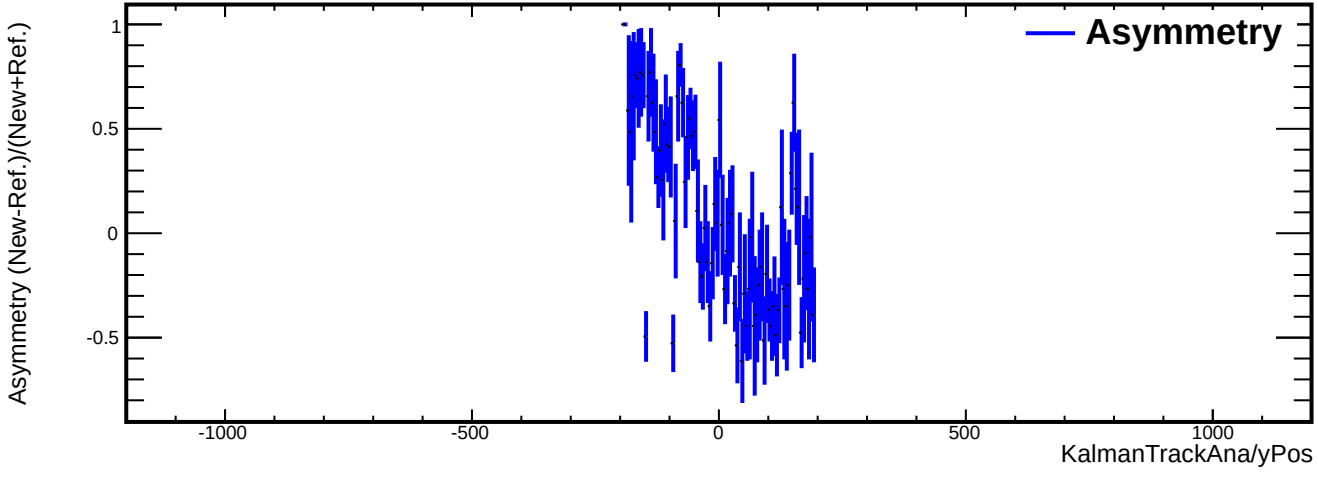

KS 8.09019e-05, chi2 0.289479
2013-11-30
2013-12-01
0
2
4
6
8
0
2000
4000
6000
KalmanTrackAna/zPosEnd

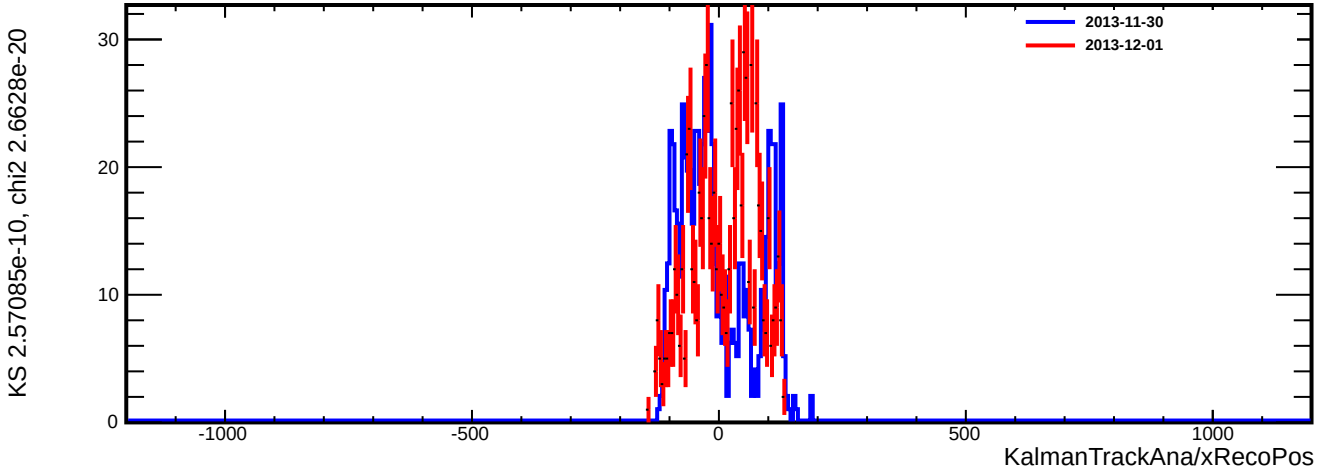

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2000
4000
6000
KalmanTrackAna/zPosEnd

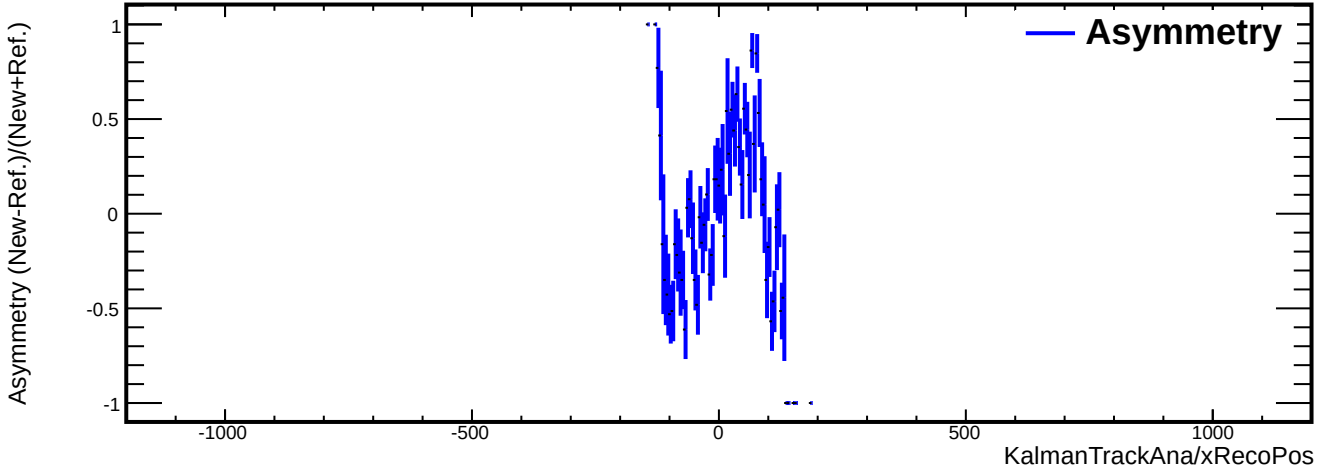

KS 7.60086e-08, chi2 8.25611e-13
2013-11-30
2013-12-01
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos

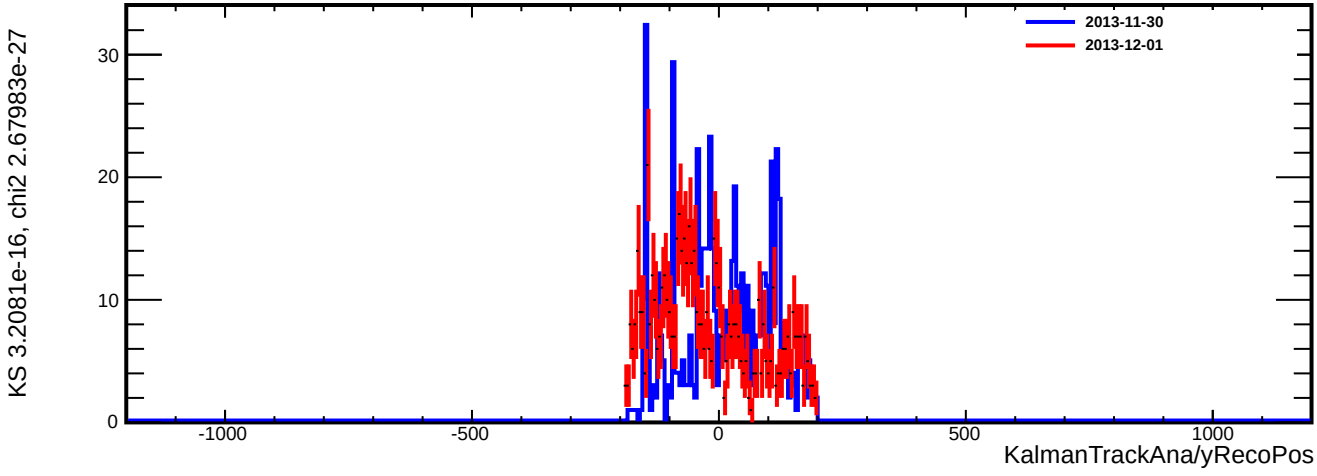

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1000
-500
0
500
1000
KalmanTrackAna/xPos

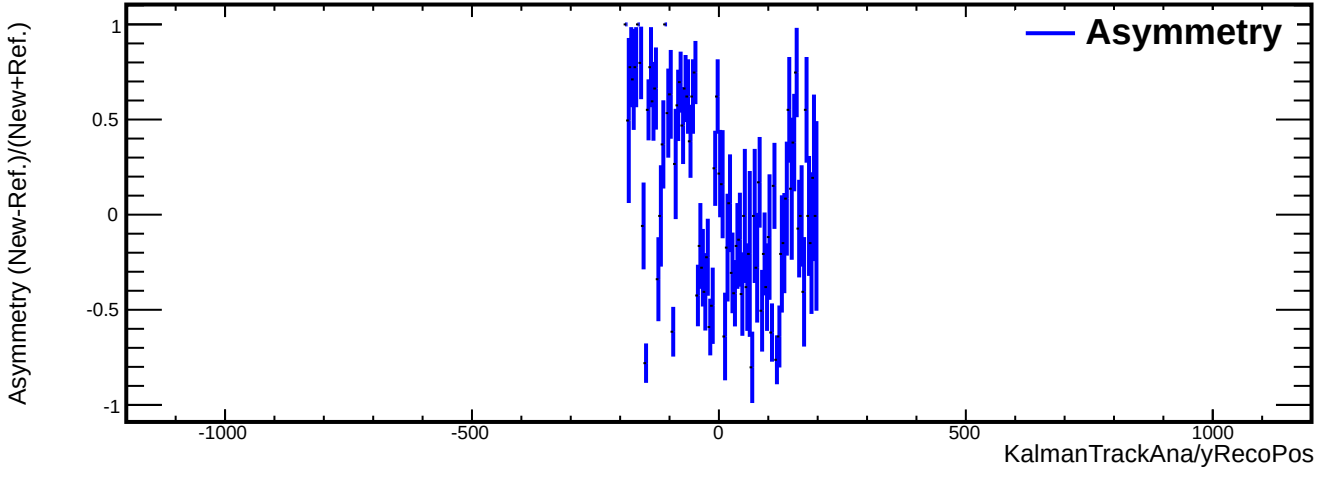

KS 4.74409e-21, chi2 1.23552e-19
40
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos
2013-11-30
2013-12-01

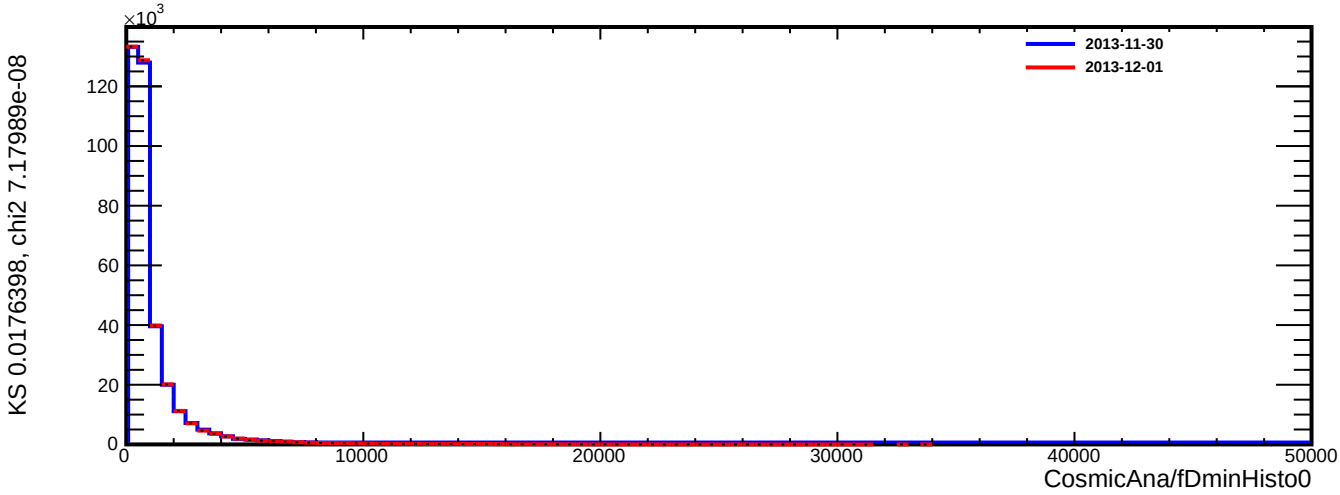

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1000
-500
0
500
1000
KalmanTrackAna/yPos
Asymmetry

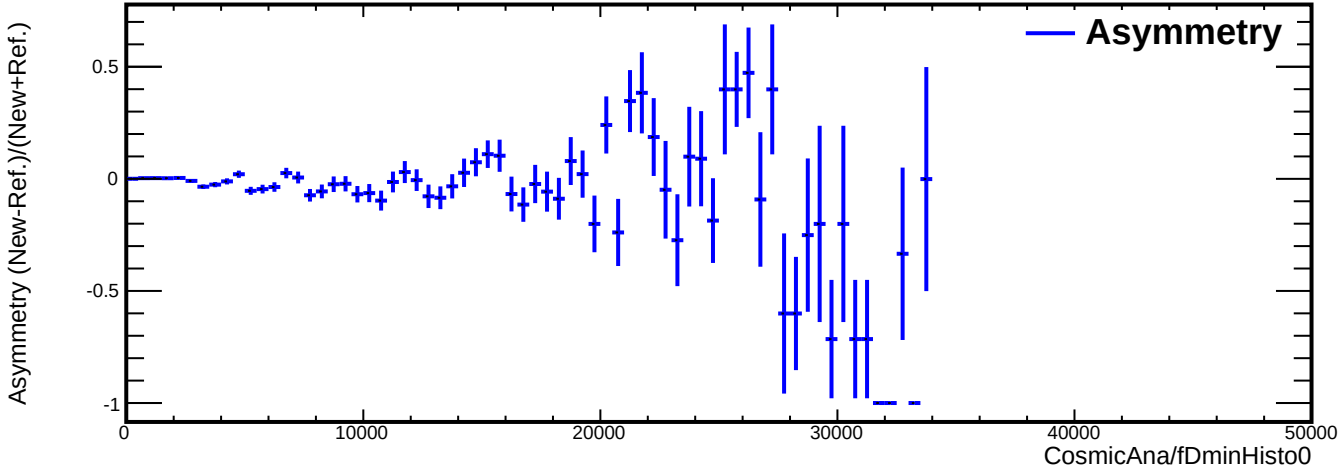

KS 2.57085e-10, chi2 2.6628e-20
2013-11-30
2013-12-01
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

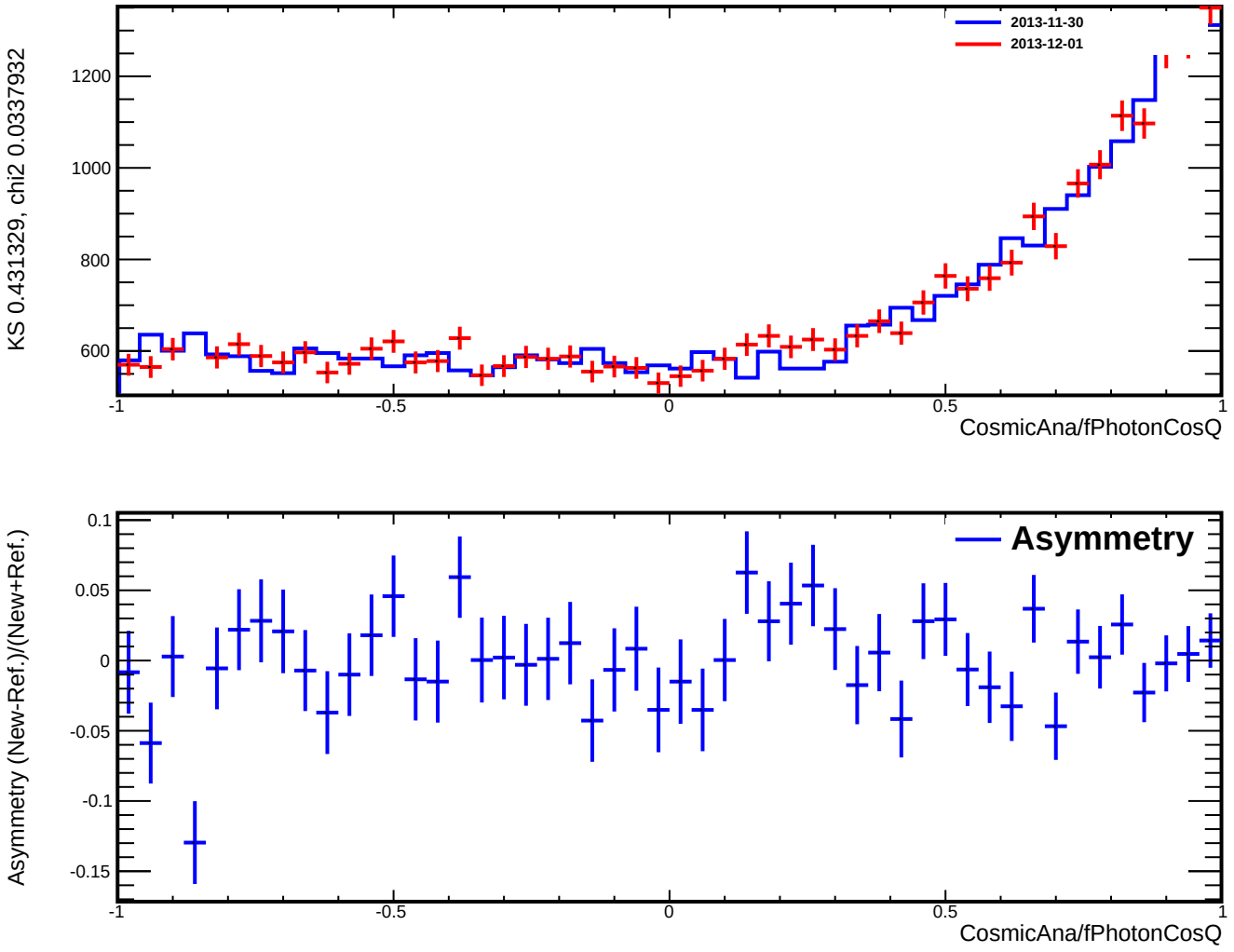

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

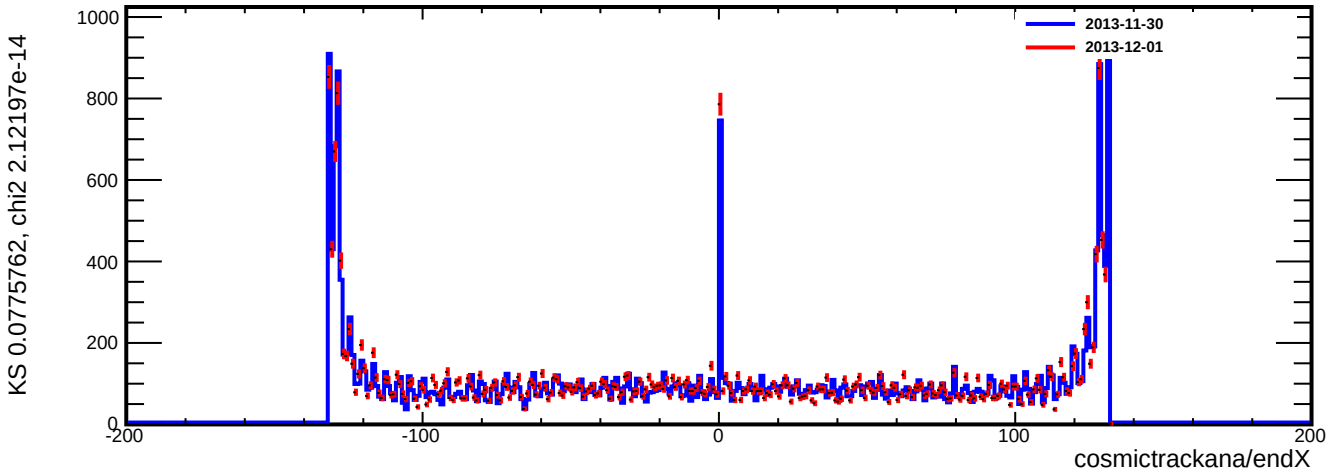

KS 3.2081e-16, chi2 2.67983e-27
2013-11-30
2013-12-01
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

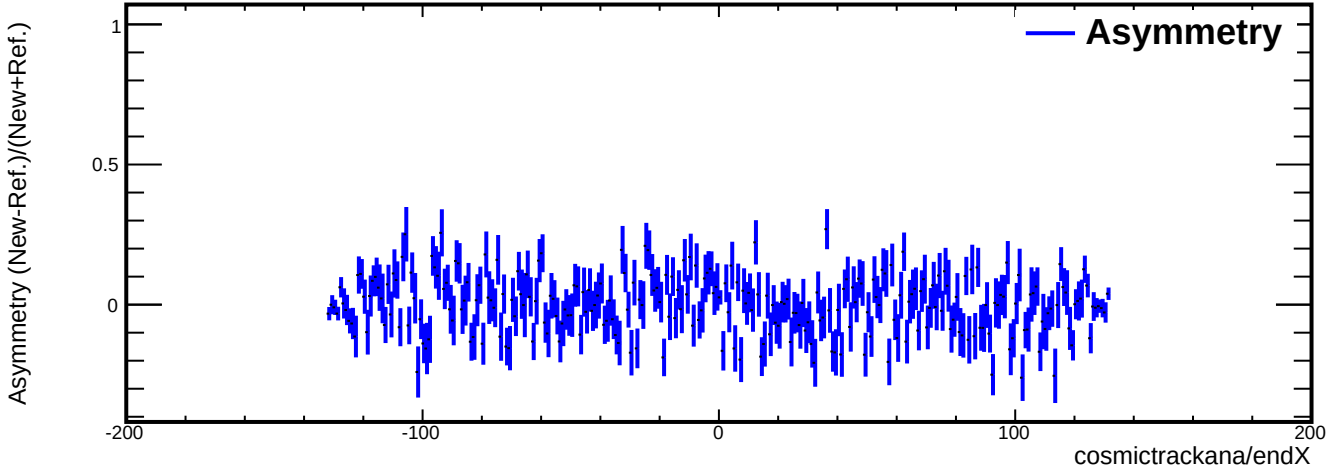

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

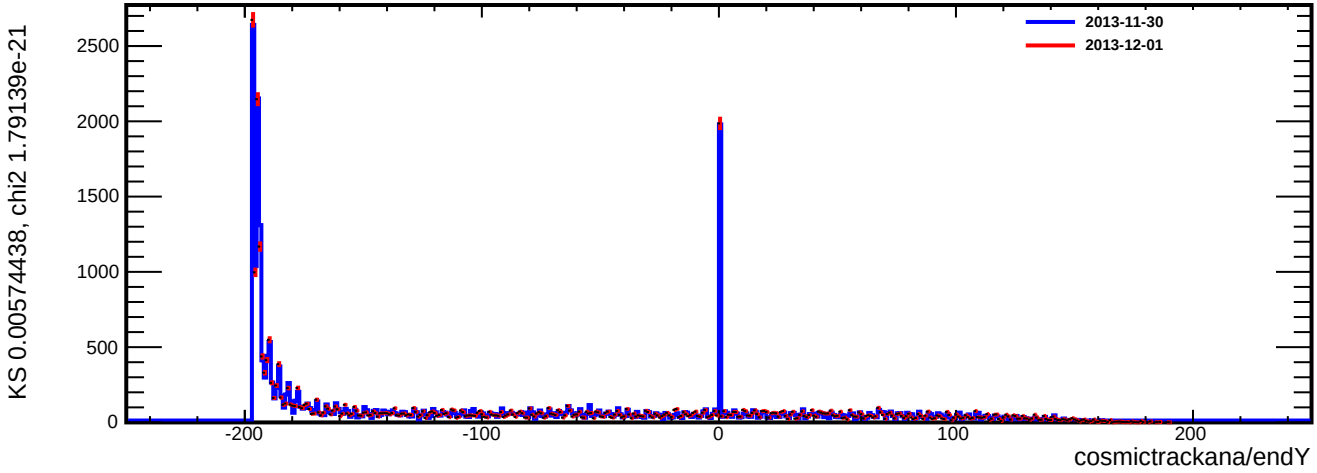

×10^3
KS 0.0176398, chi2 7.17989e-08
2013-11-30
2013-12-01
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0

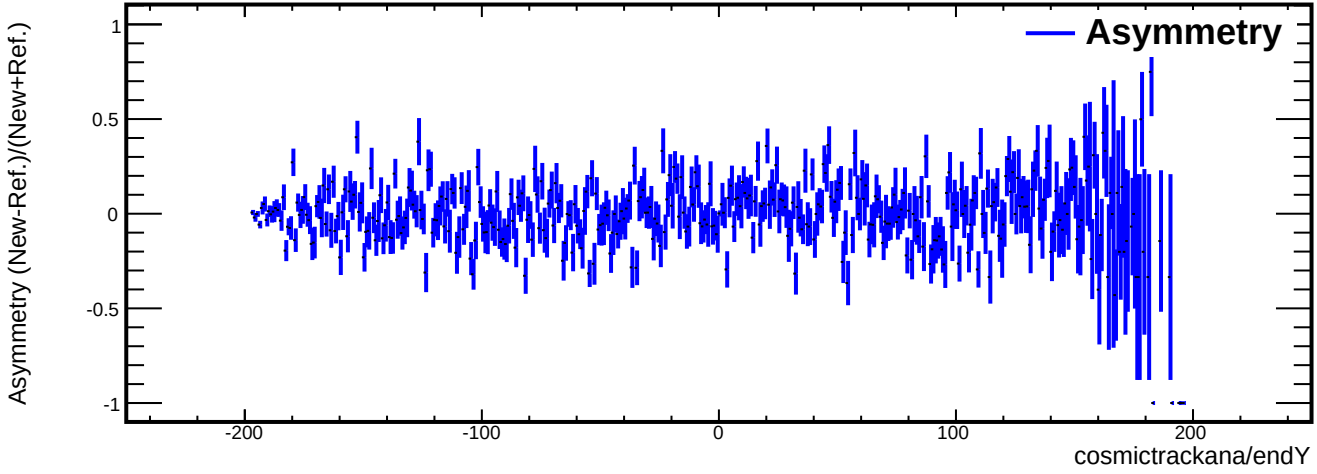

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0

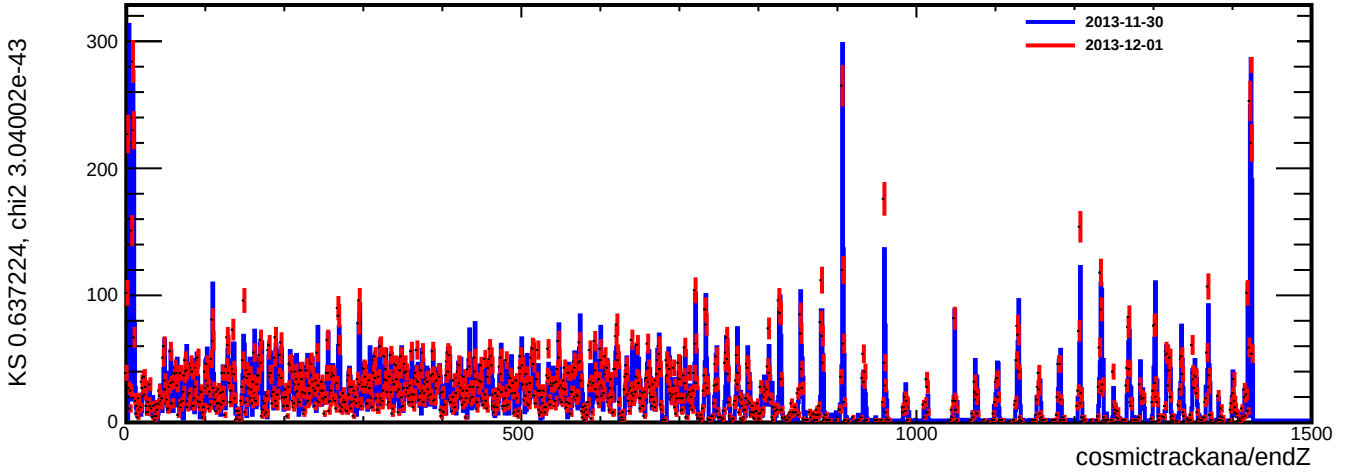

KS 0.431329, chi2 0.0337932
2013-11-30
2013-12-01
1200
1000
800
600
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
-0.15
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ

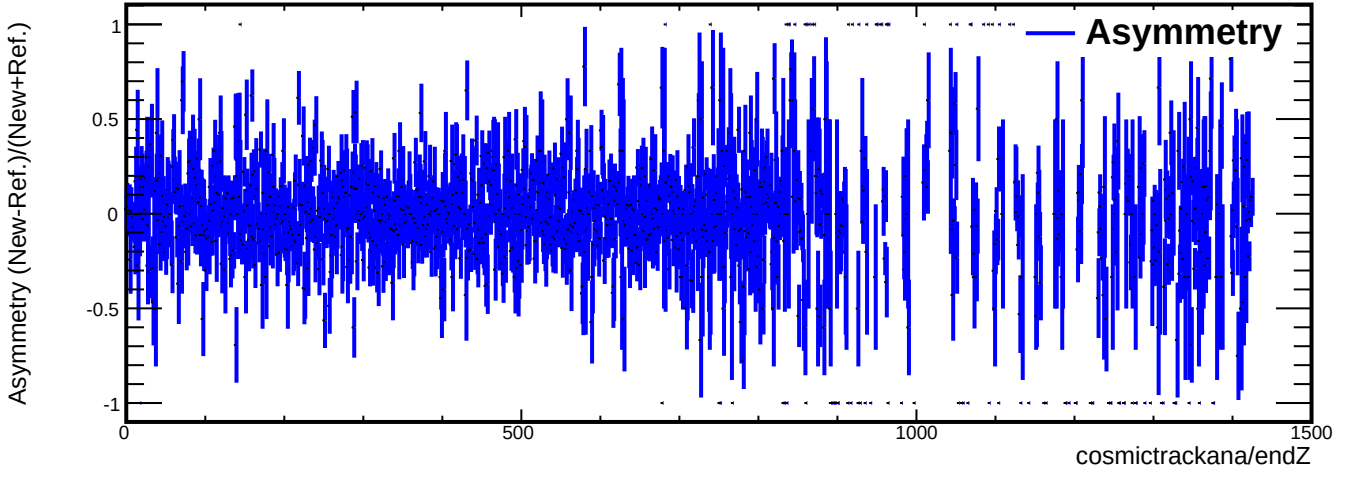

KS 0.0775762, chi2 2.12197e-14
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX
2013-11-30
2013-12-01

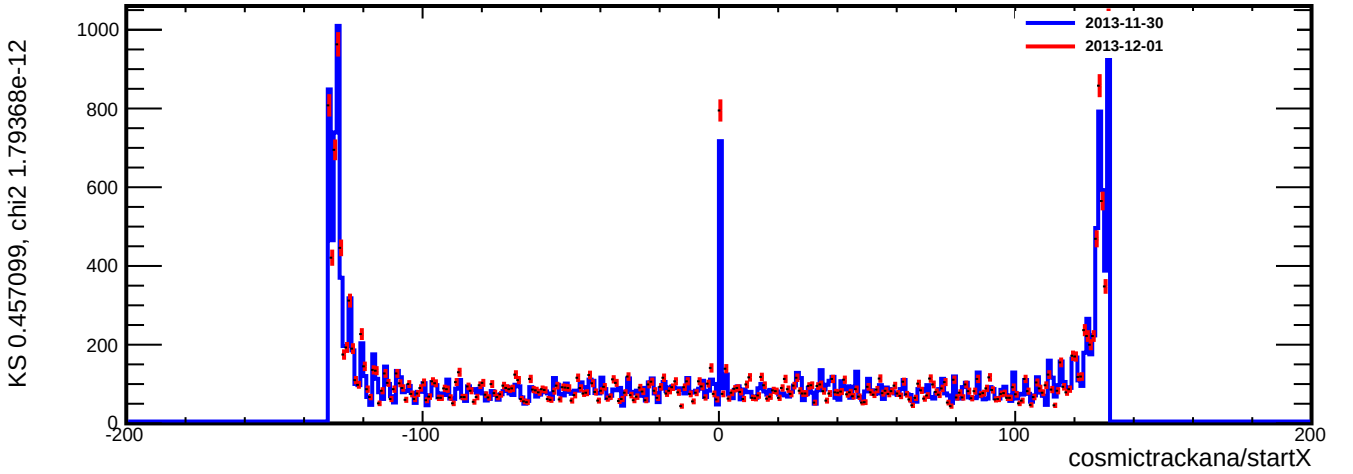

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-200
-100
0
100
200
cosmictrackana/endX
Asymmetry

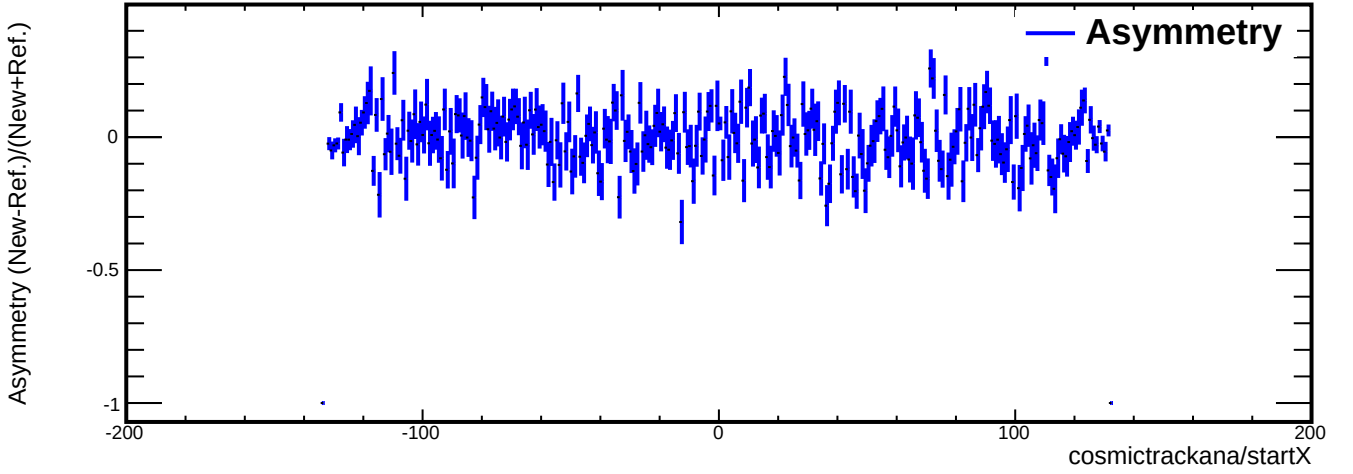

KS 0.00574438, chi2 1.79139e-21
2013-11-30
2013-12-01
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

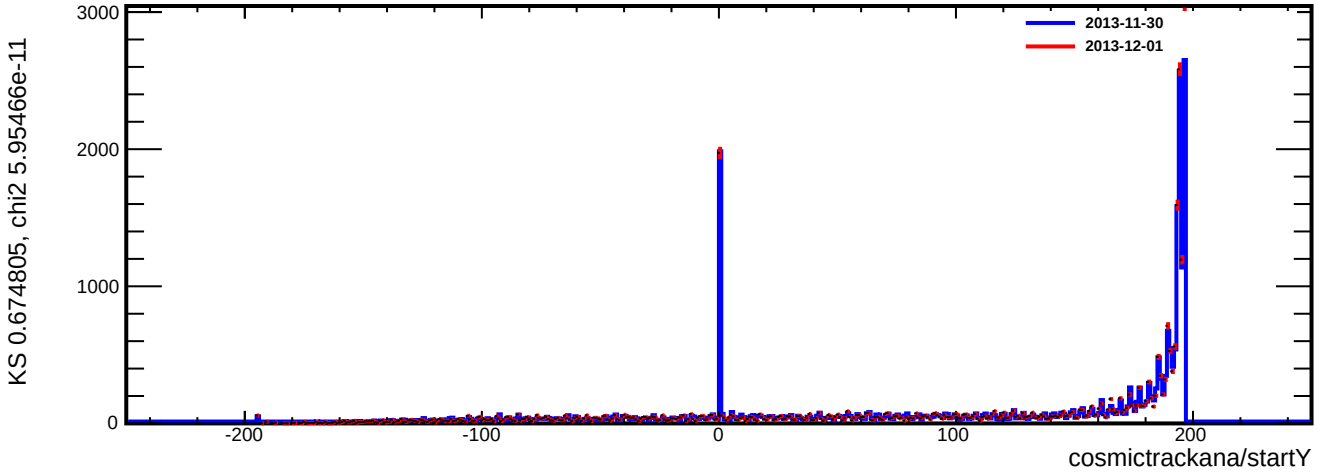

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

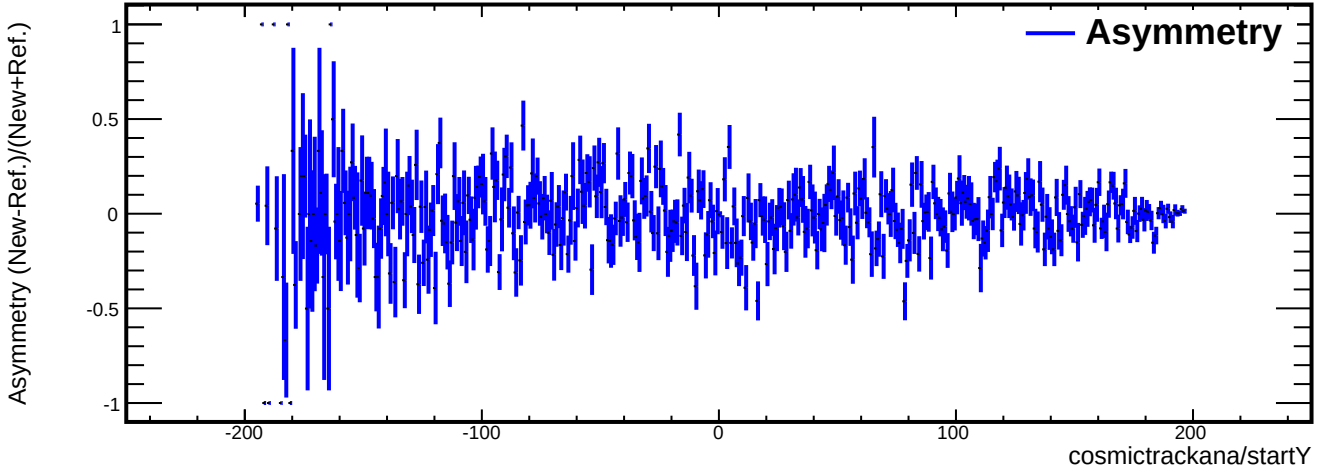

KS 0.637224, chi2 3.04002e-43
2013-11-30
2013-12-01
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

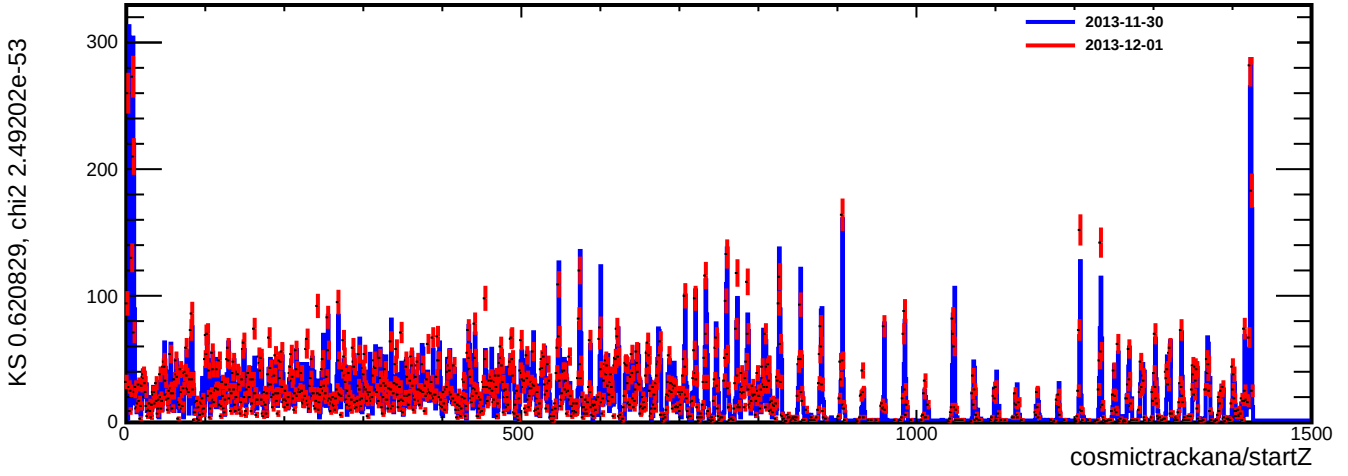

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

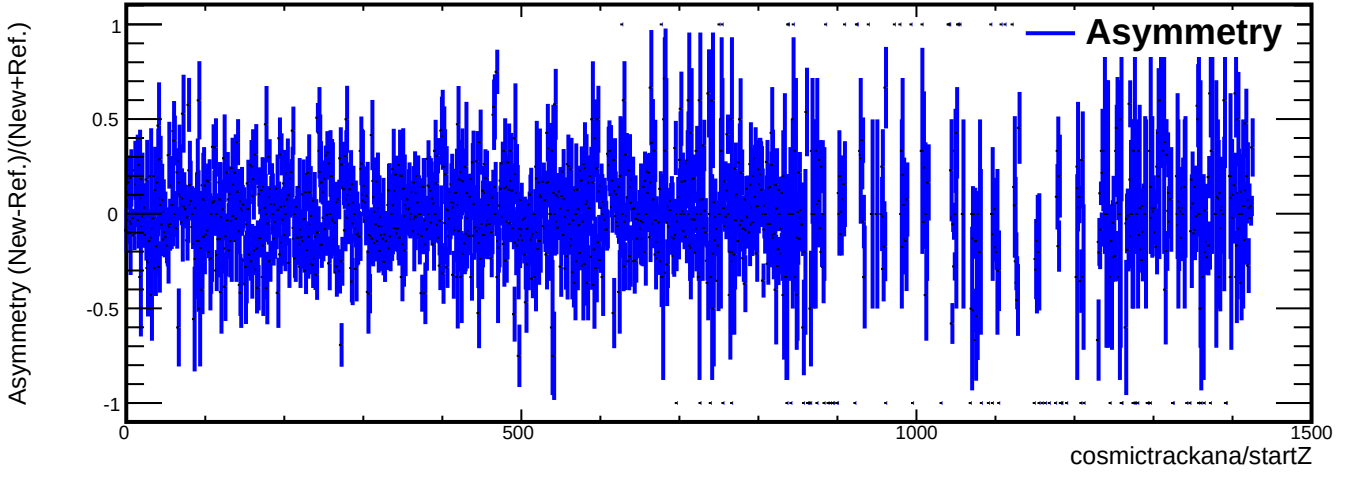

KS 0.457099, chi2 1.79368e-12
2013-11-30
2013-12-01
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

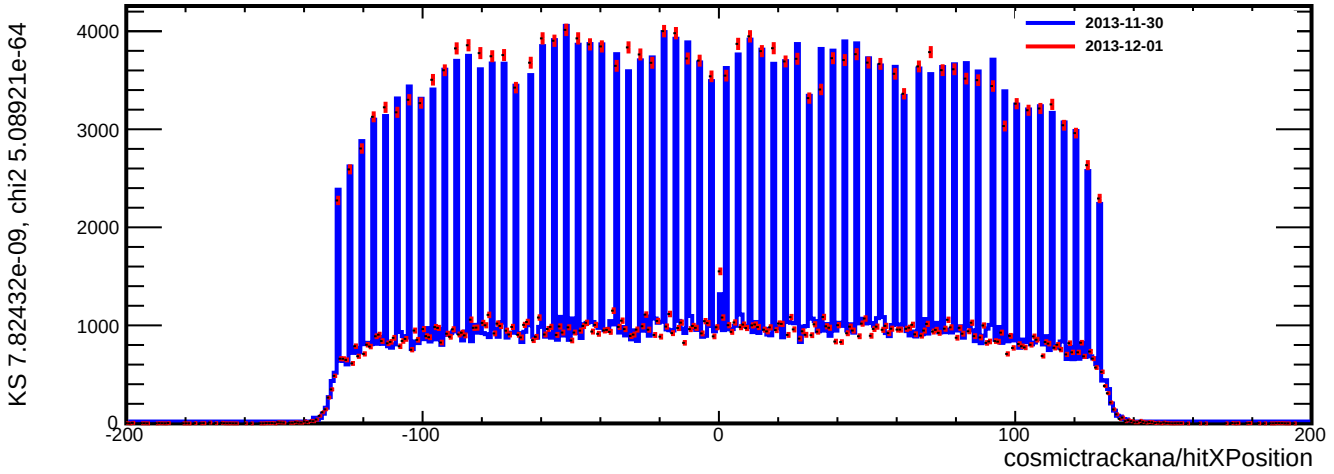

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startX

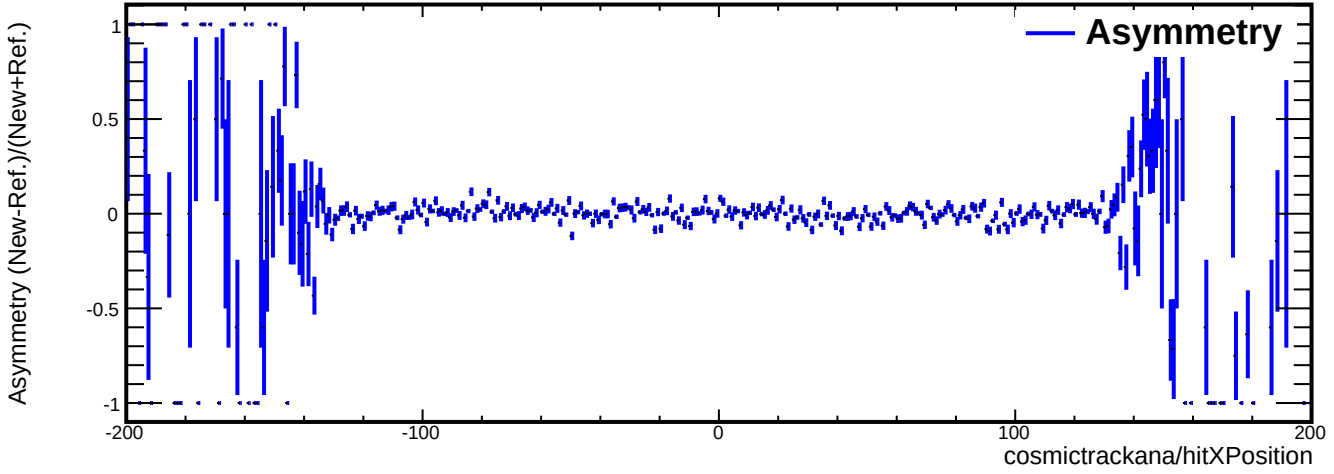

KS 0.674805, chi2 5.95466e-11
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2013-11-30
2013-12-01

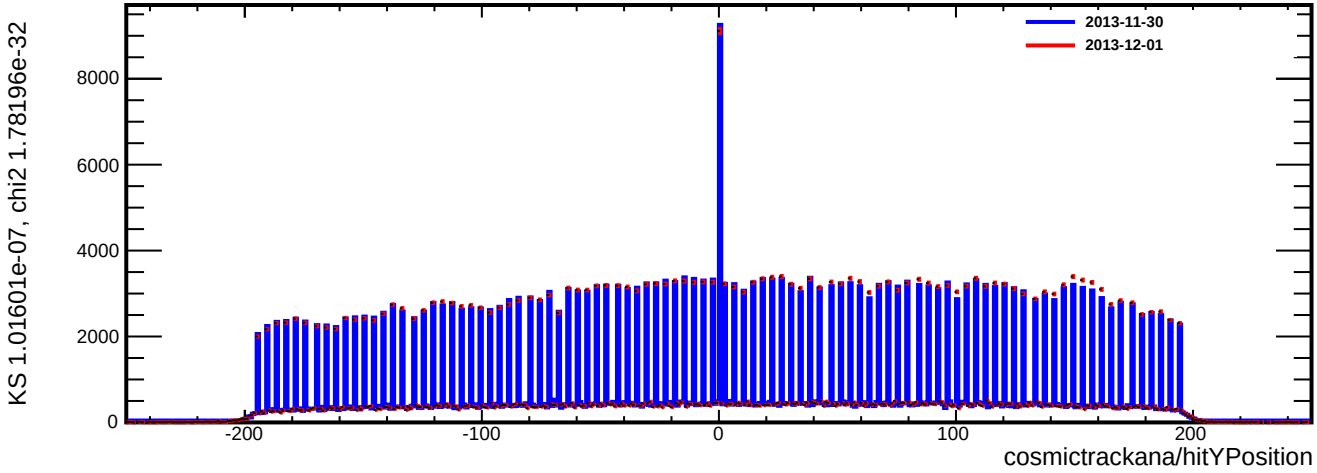

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

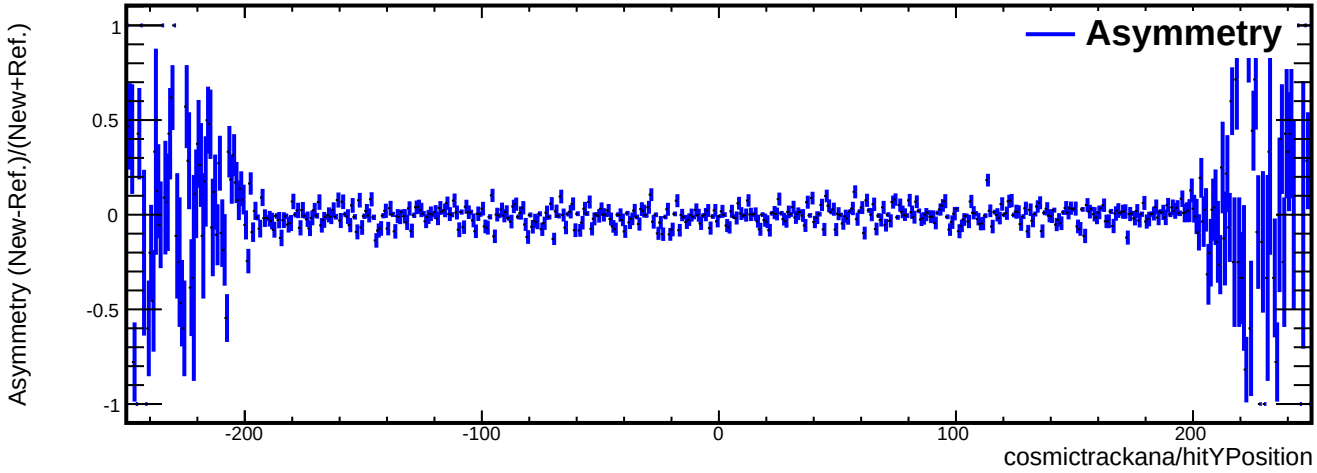

KS 0.620829, chi2 2.49202e-53
2013-11-30
2013-12-01
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

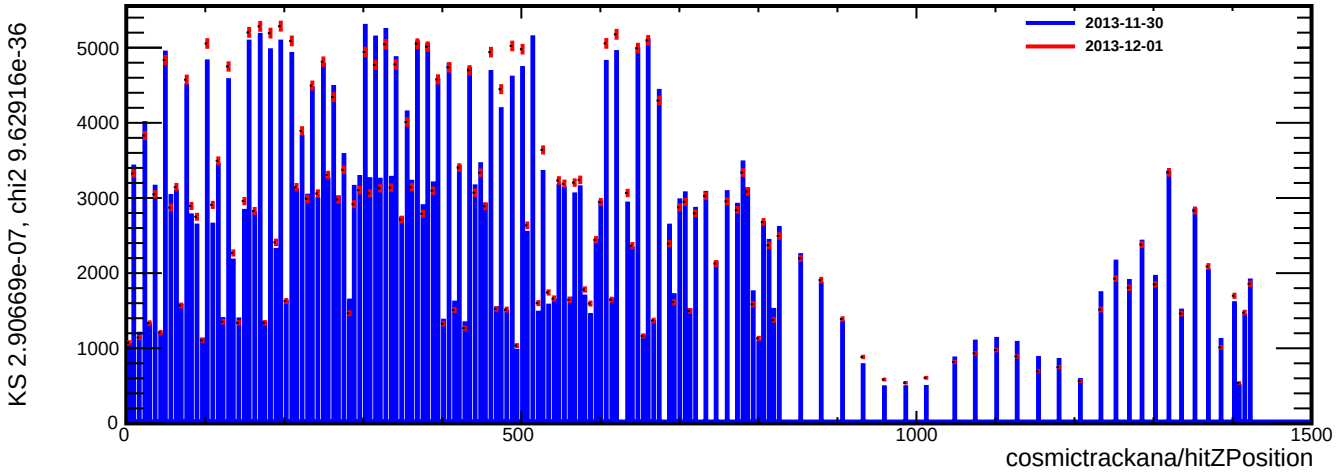

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

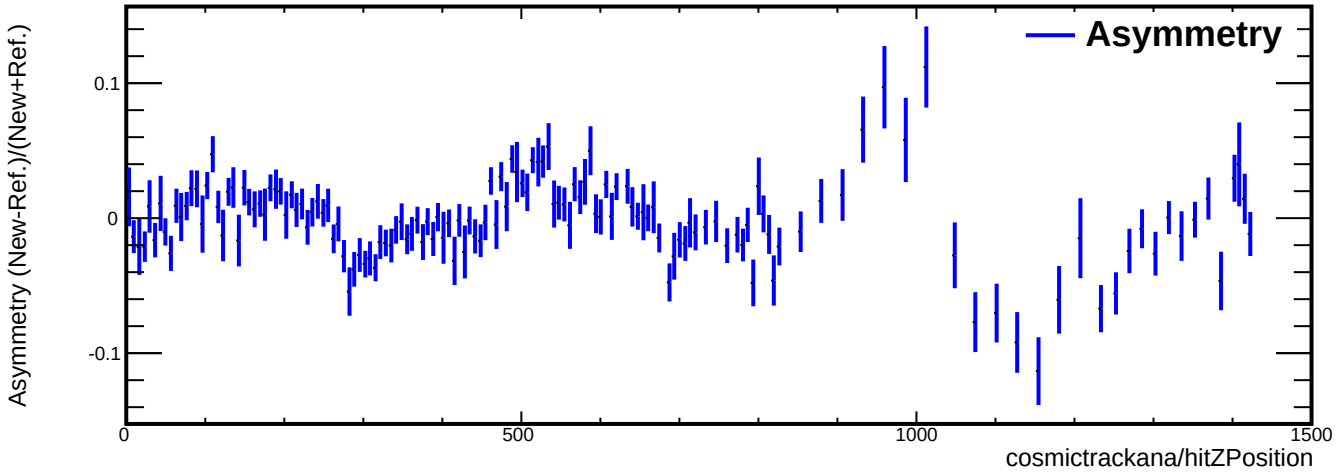

KS 7.82432e-09, chi2 5.08921e-64
2013-11-30
2013-12-01
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

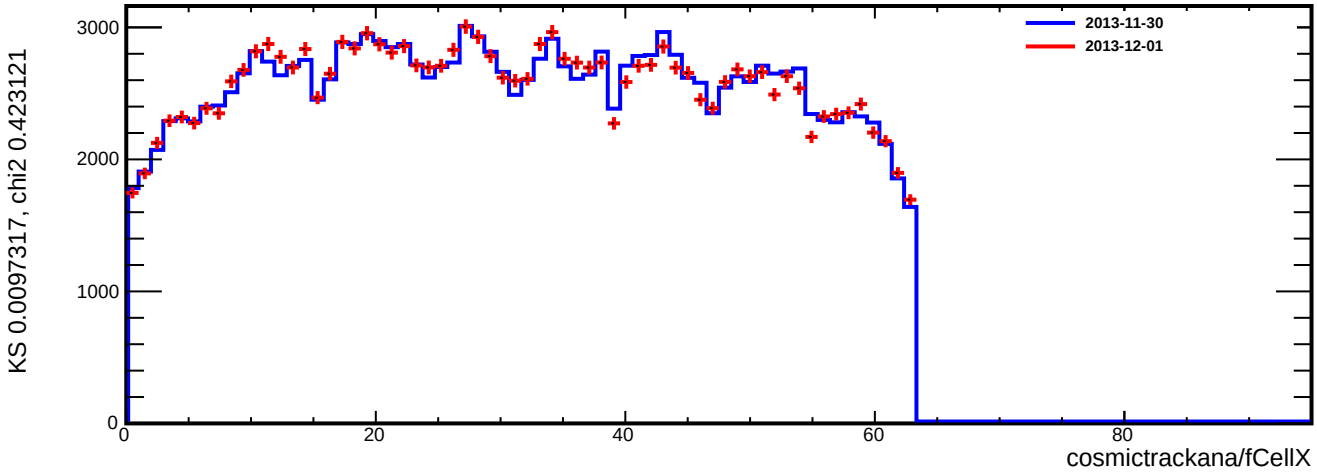

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

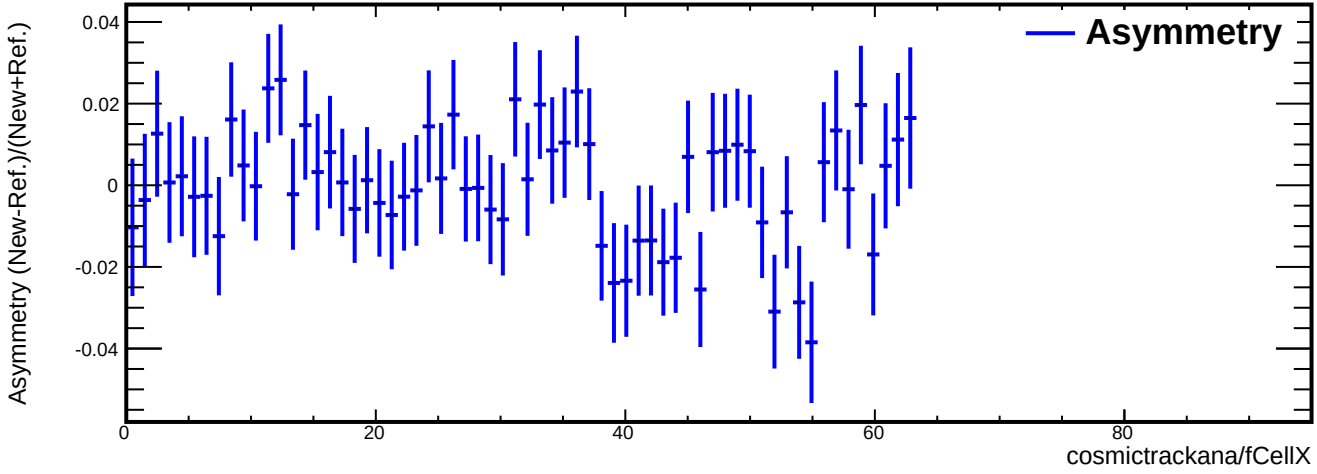

KS 1.01601e-07, chi2 1.78196e-32
2013-11-30
2013-12-01
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

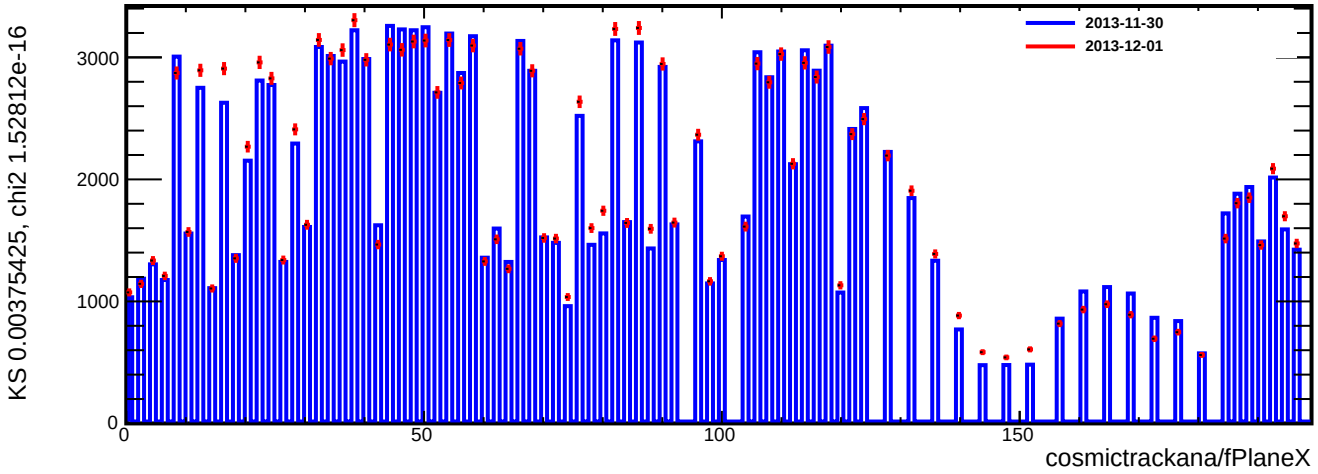

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

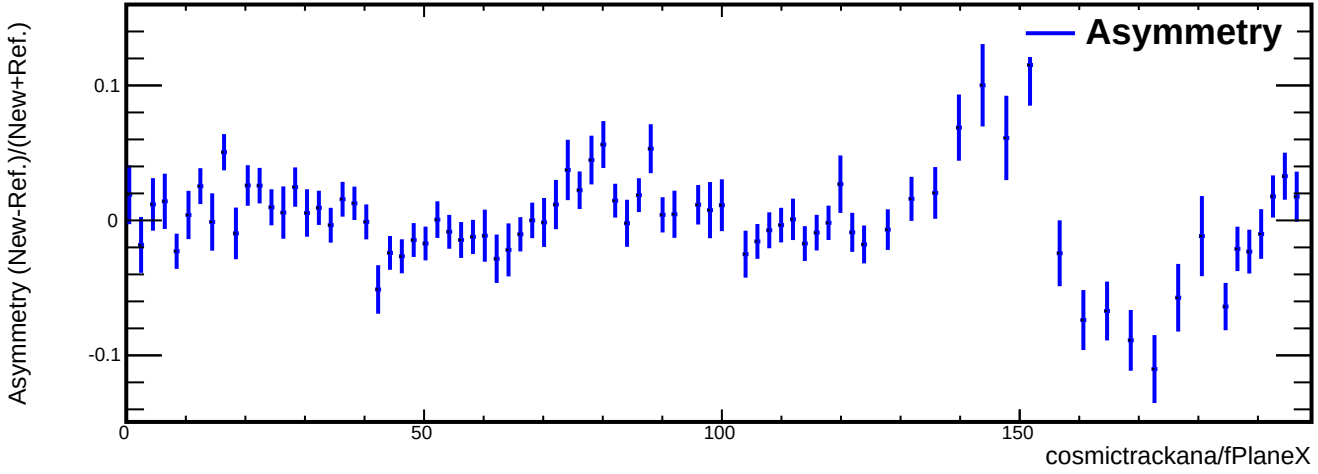

KS 2.90669e-07, chi2 9.62916e-36
2013-11-30
2013-12-01
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

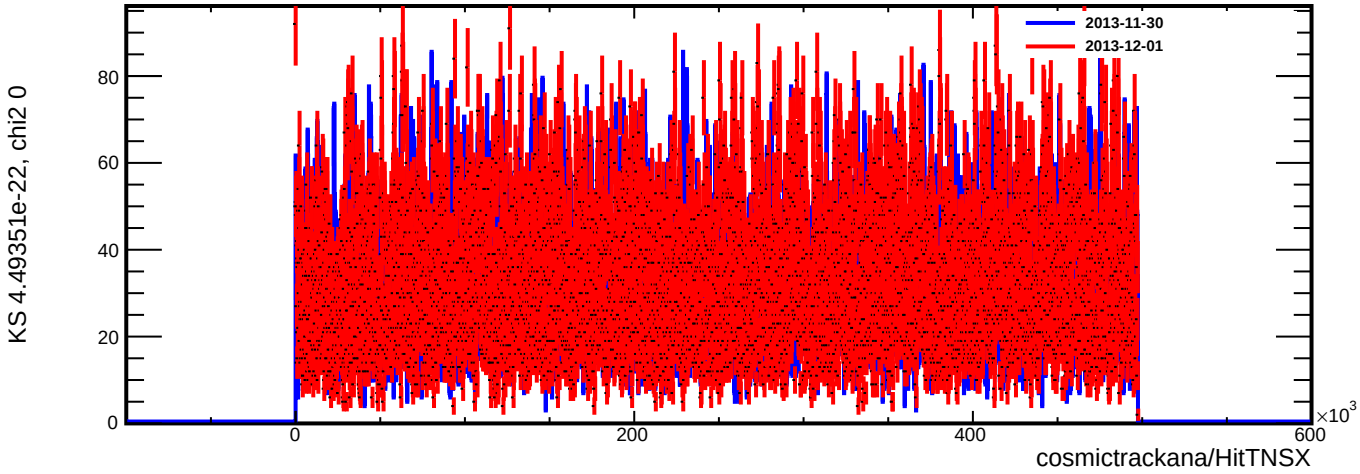

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0
-0.1
0
500
1000
1500
cosmictrackana/hitZPosition

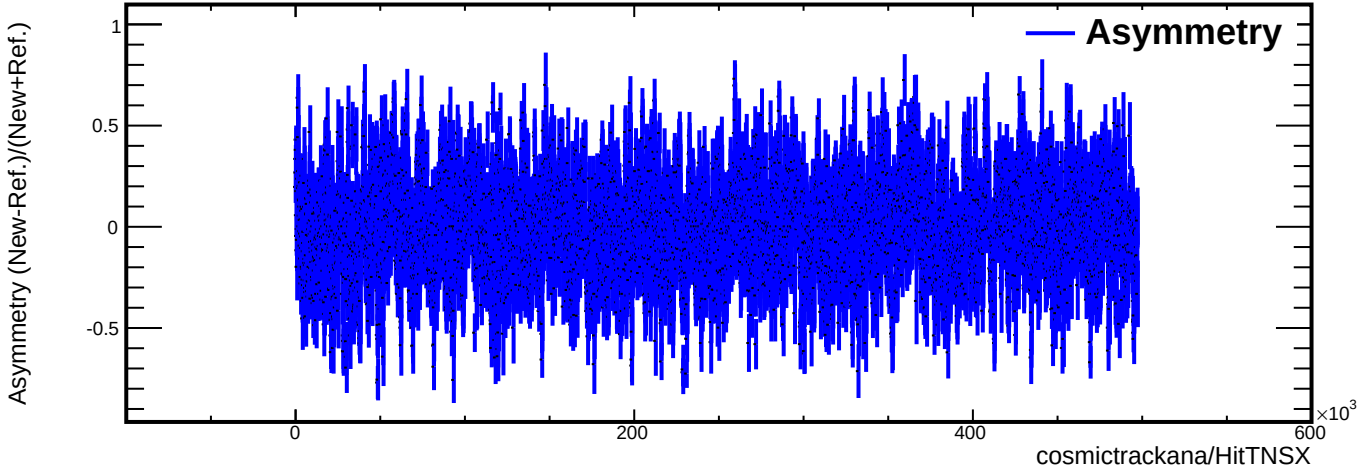

KS 0.0097317, chi2 0.423121
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellX
2013-11-30
2013-12-01

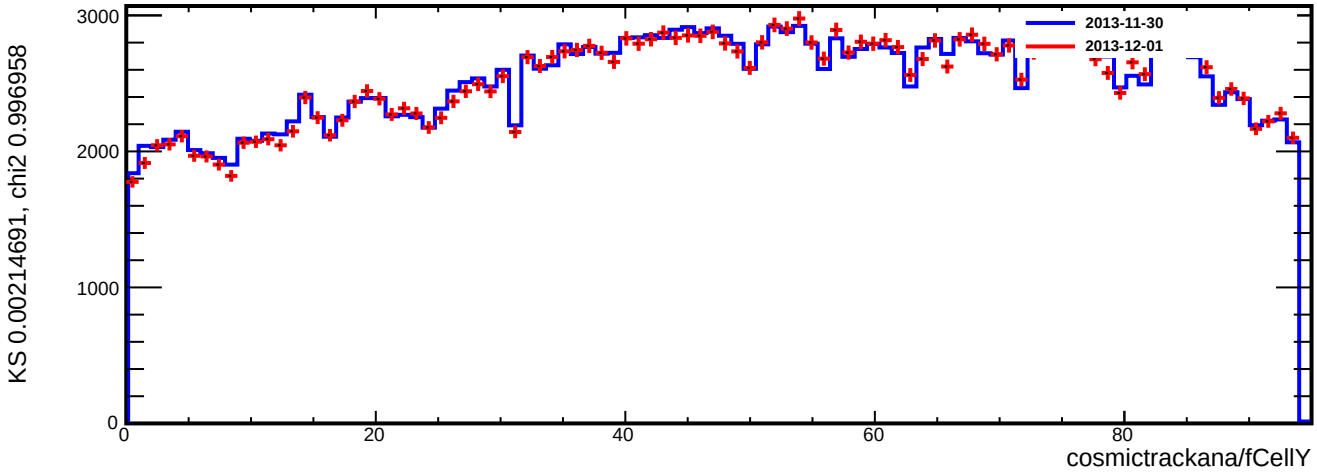

Asymmetry (New-Ref.)/(New+Ref.)
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellX
Asymmetry

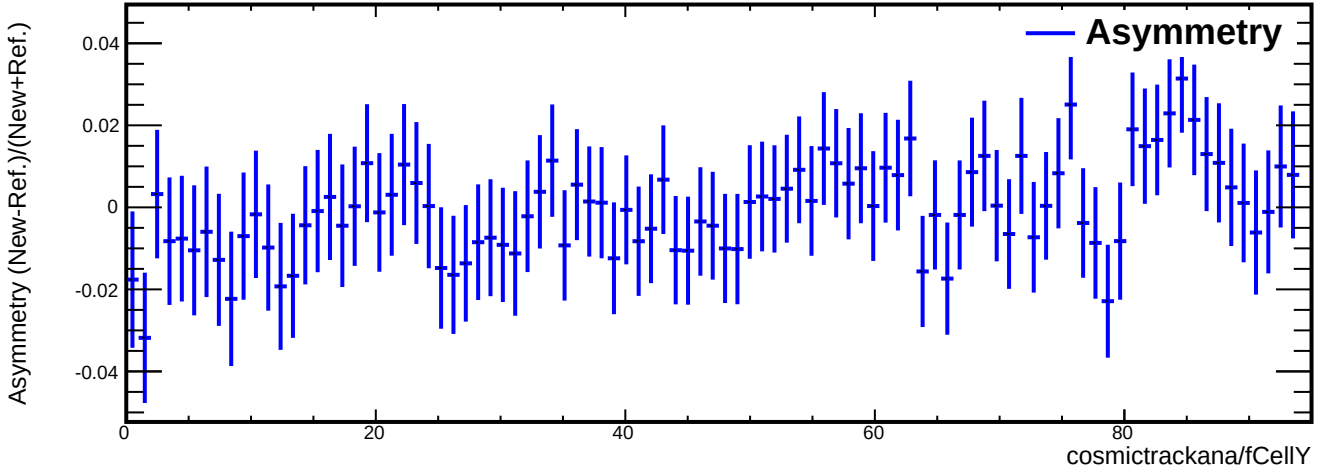

KS 0.00375425, chi2 1.52812e-16
2013-11-30
2013-12-01
3000
2000
1000
0
0
50
100
150
cosmictrackana/fPlaneX

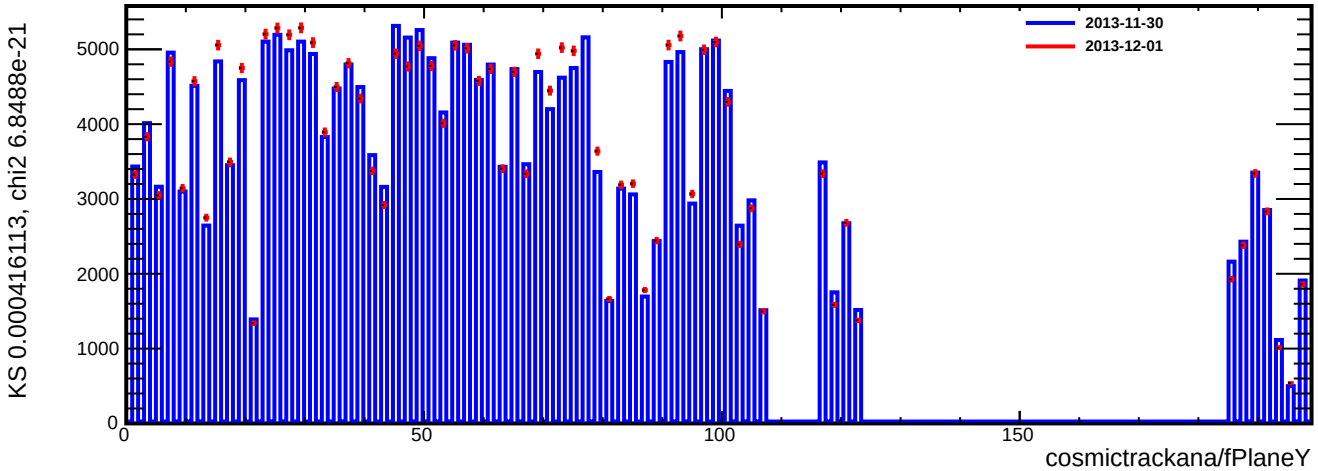

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0
-0.1
0
50
100
150
cosmictrackana/fPlaneX

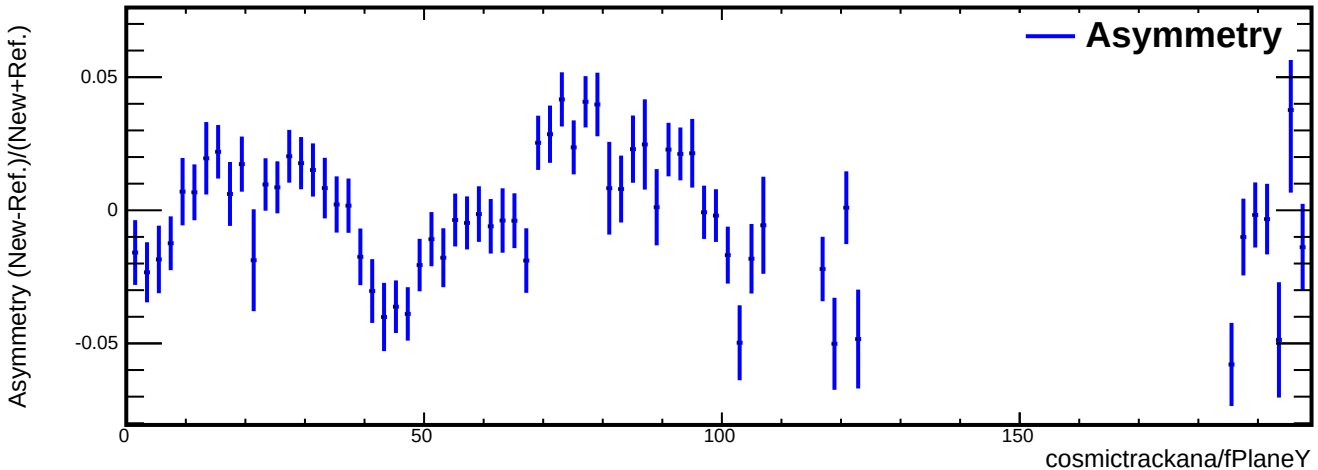

2013-11-30
2013-12-01
KS 4.49351e-22, chi2 0
0
20
40
60
80
0
200
400
600
×10^3
cosmictrackana/HitTNSX

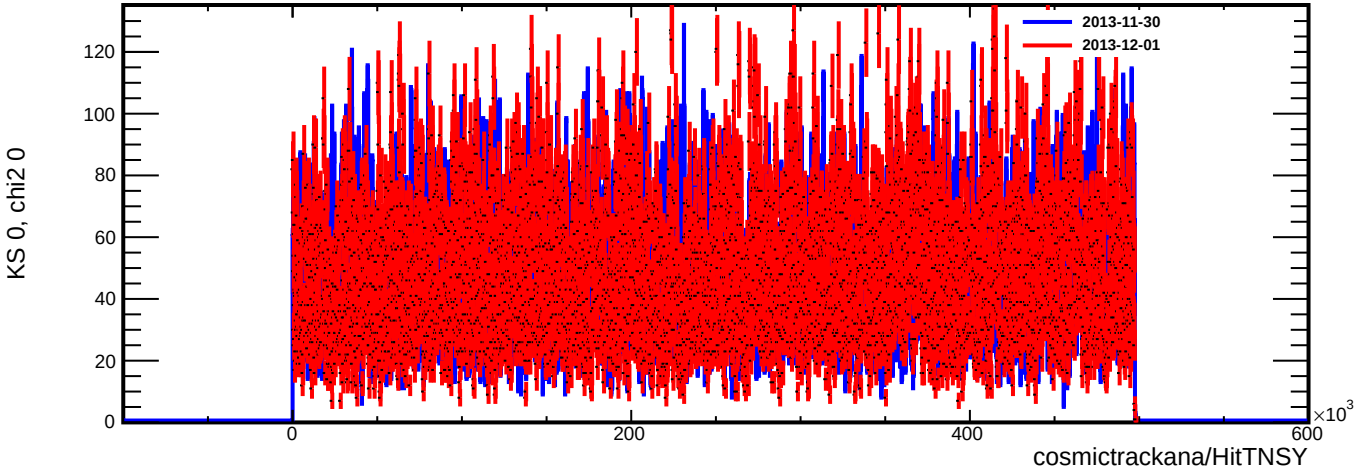

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
0
200
400
600
×10^3
cosmictrackana/HitTNSX

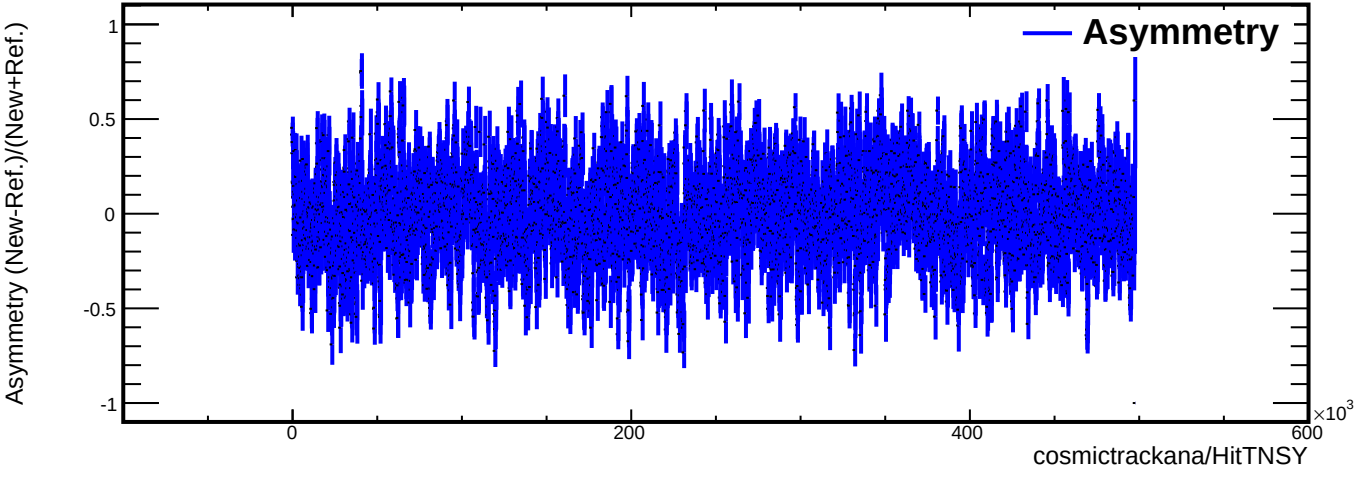

KS 0.00214691, chi2 0.996958
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY
2013-11-30
2013-12-01


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


KS 0.000416113, chi2 6.8488e-21
2013-11-30
2013-12-01
cosmictrackana/fPlaneY


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


2013-11-30
2013-12-01
KS 0, chi2 0
120
100
80
60
40
20
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