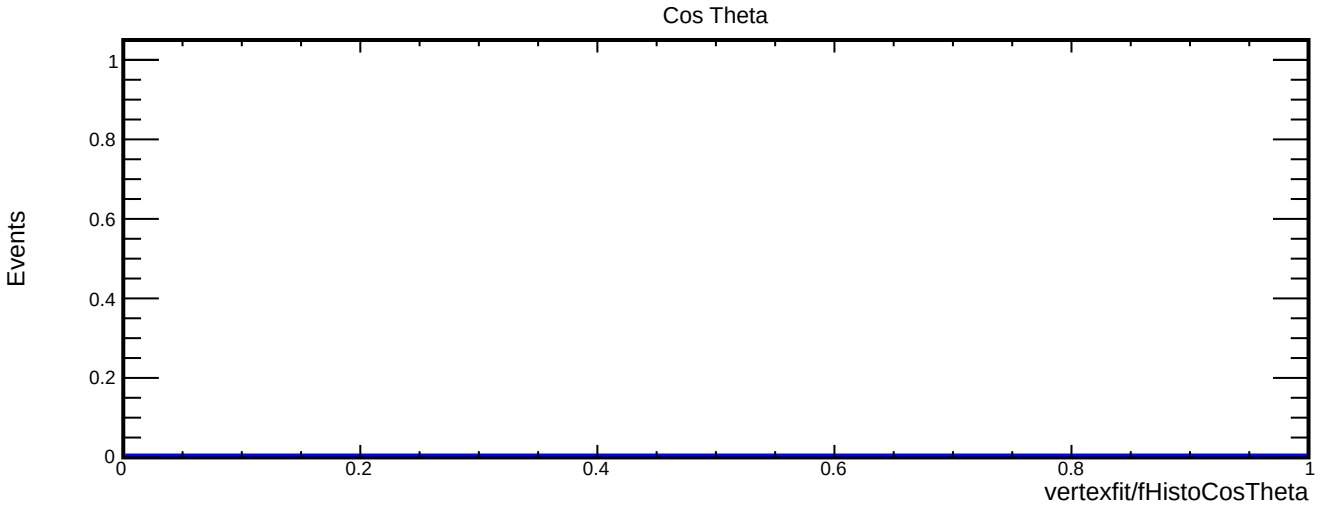
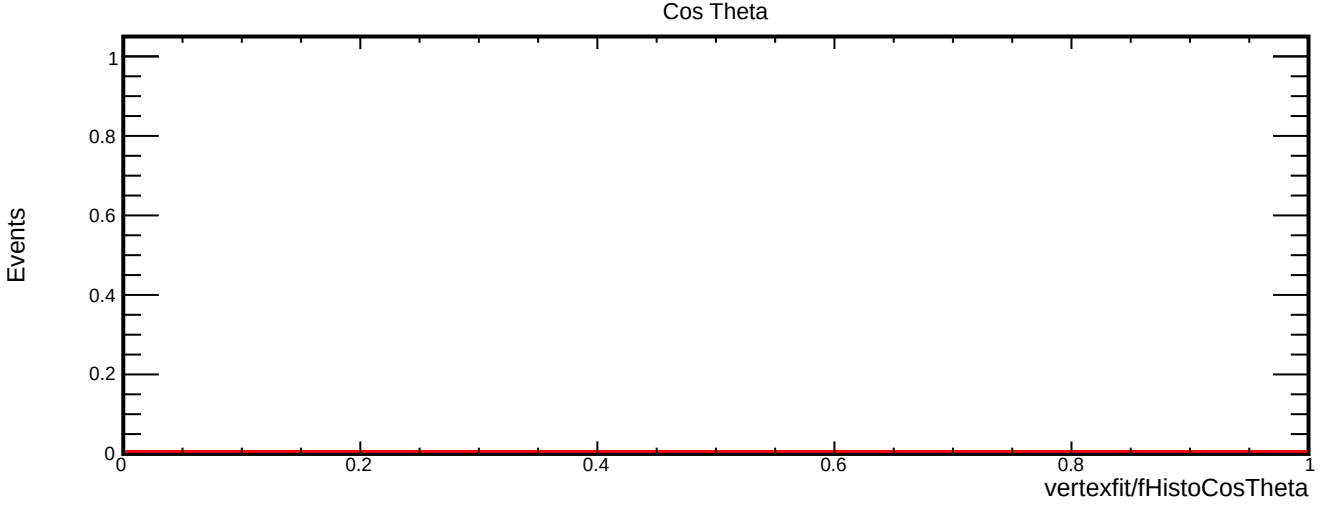
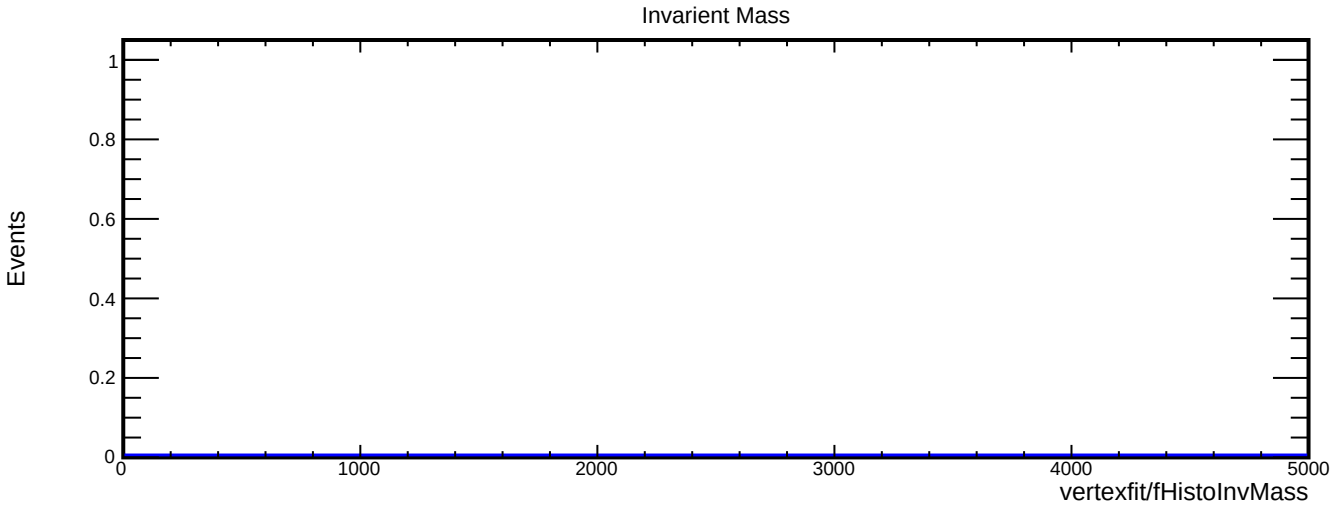
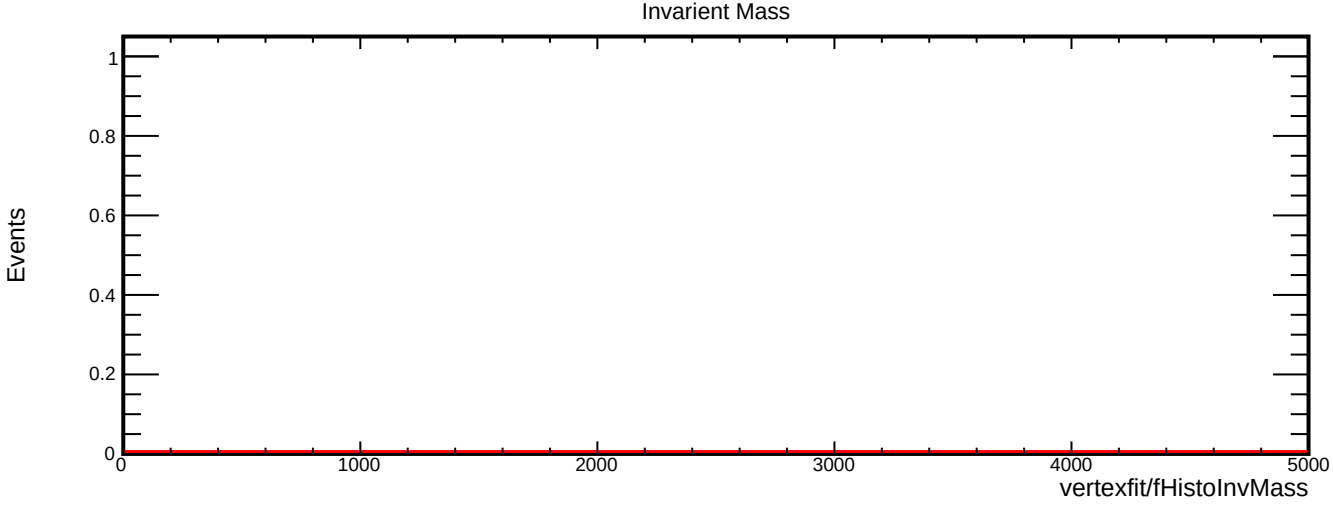
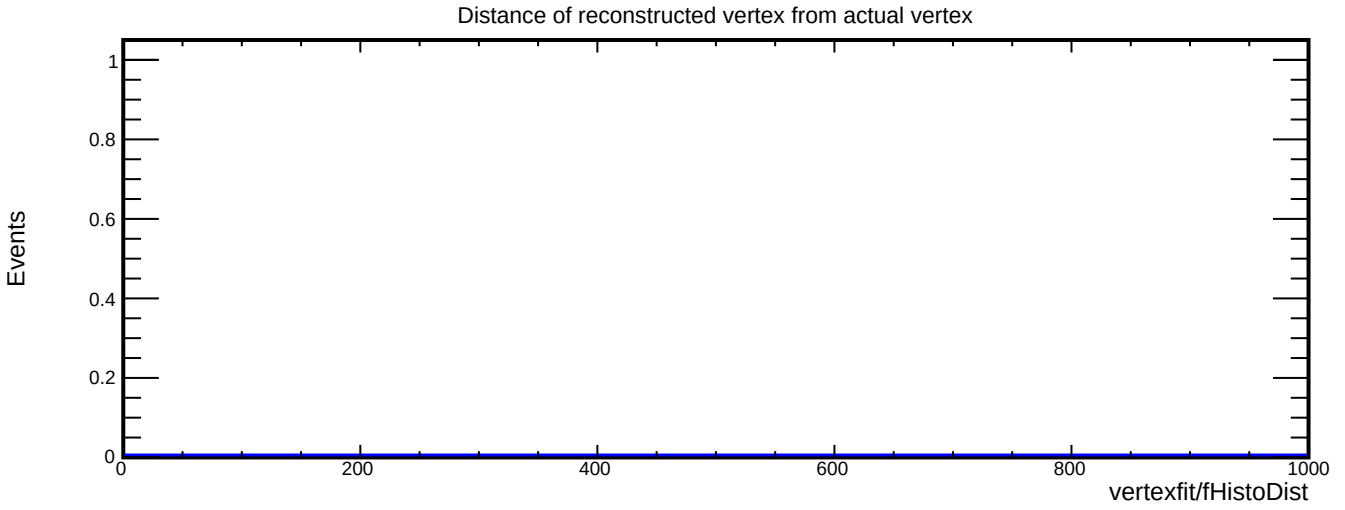
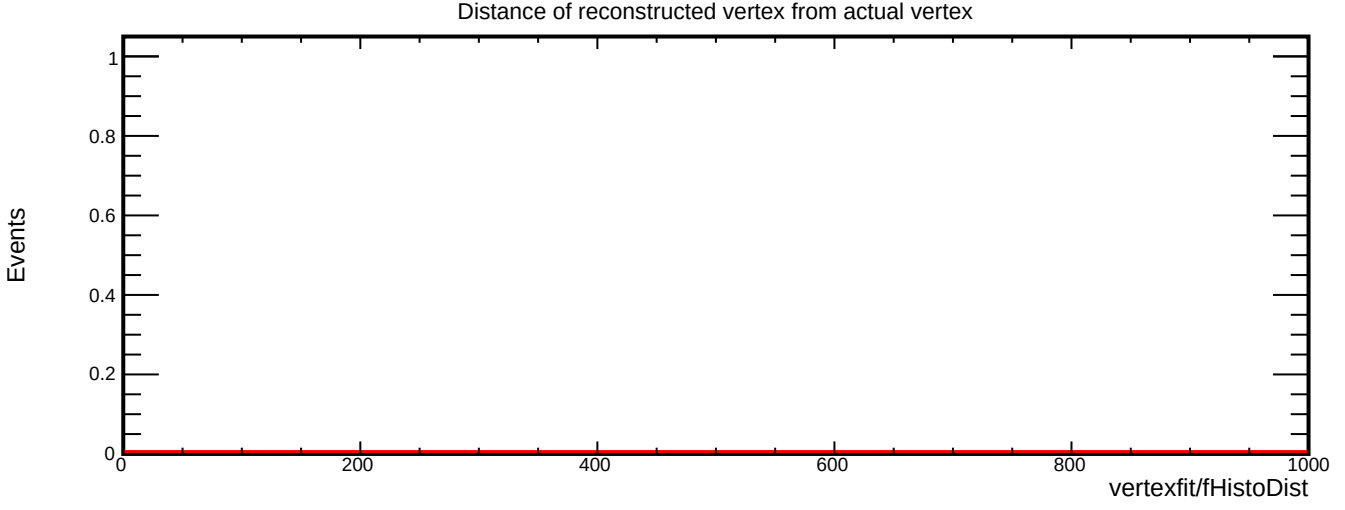

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

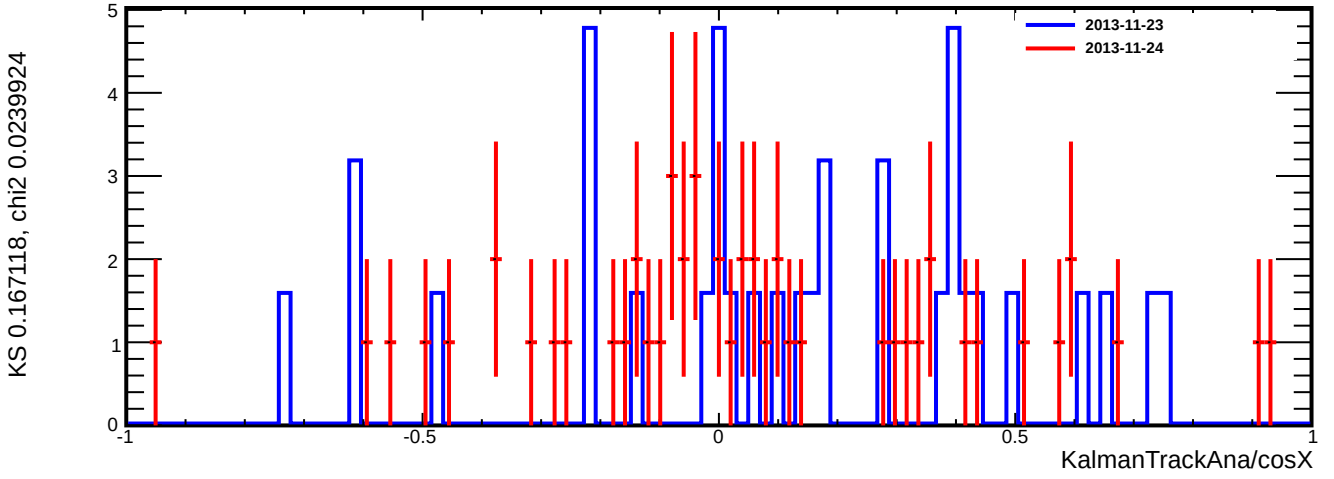

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

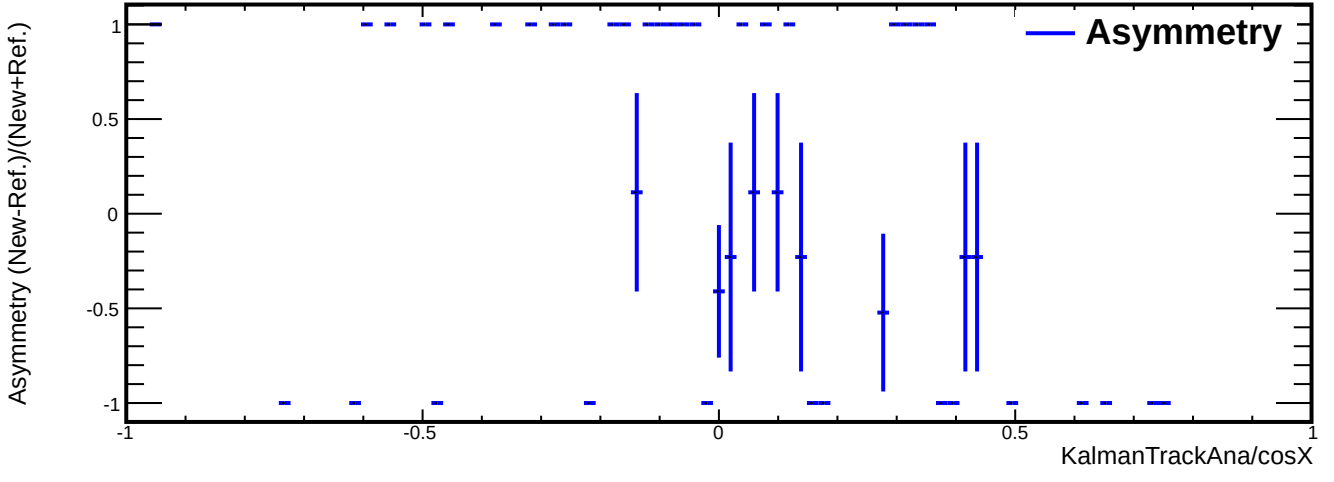

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

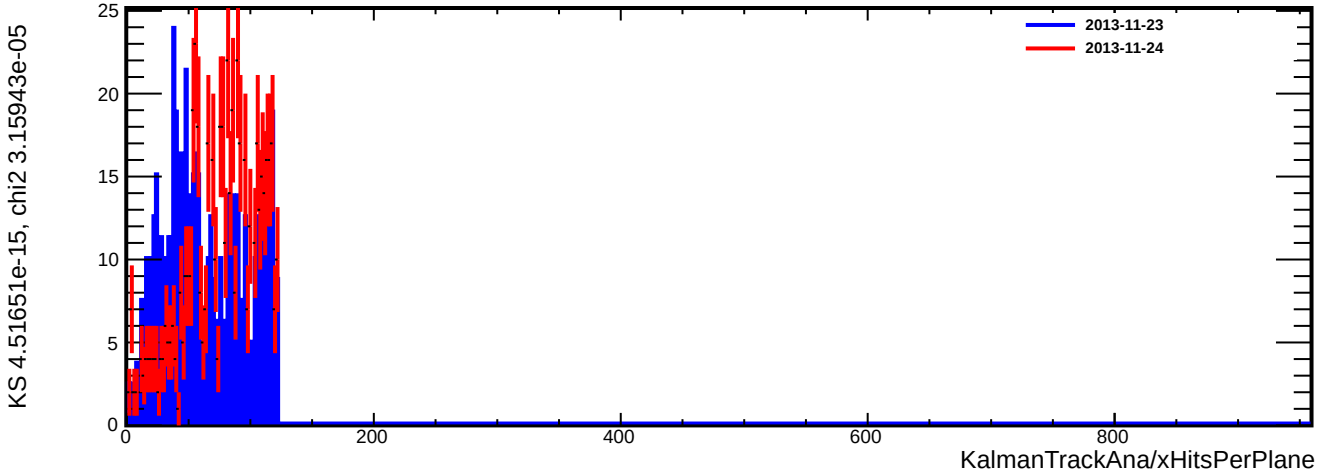

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

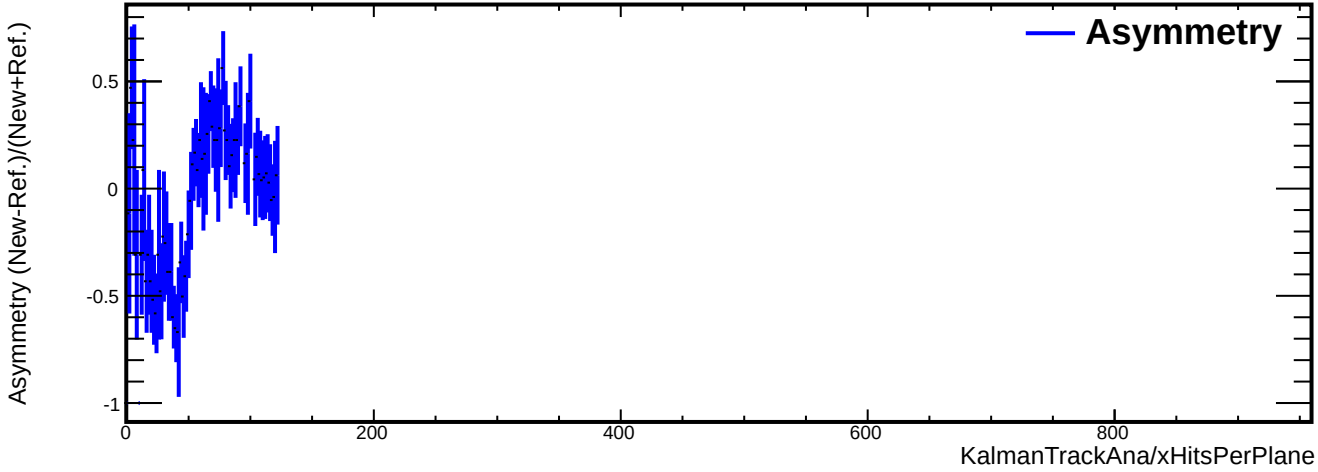

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

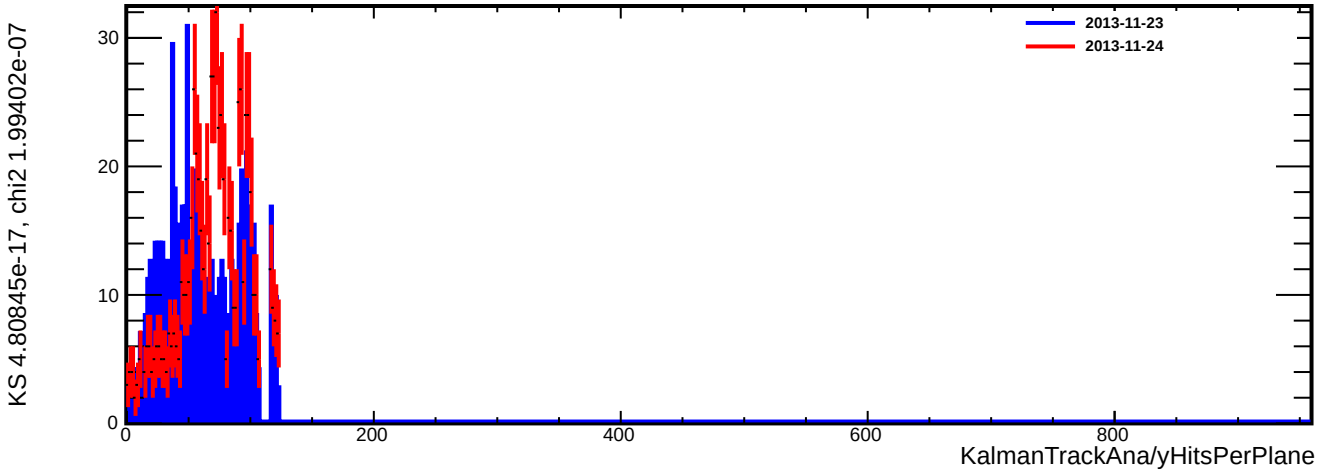

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

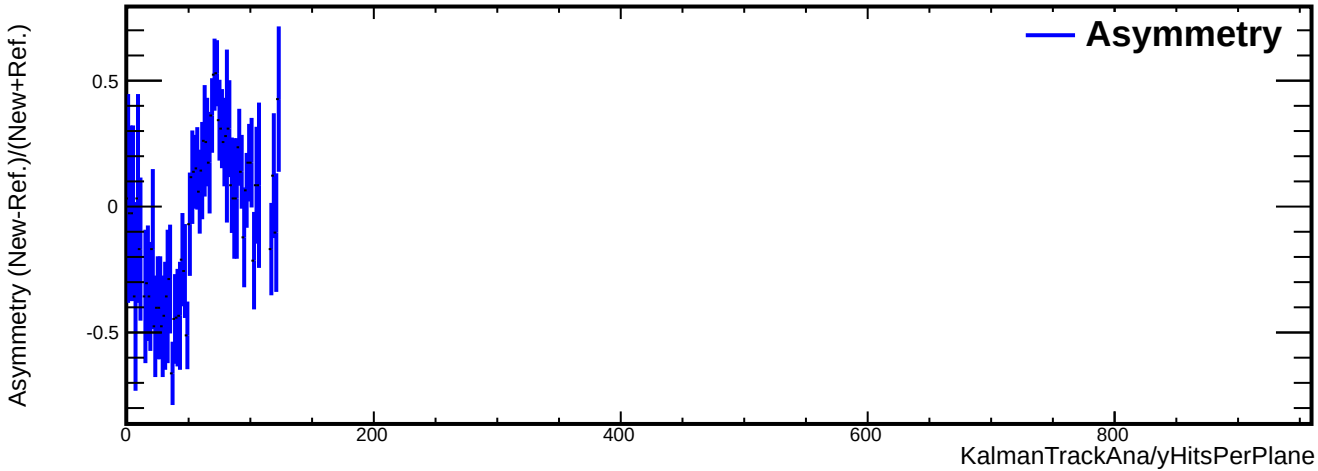

KS 0.167118, chi2 0.0239924
2013-11-23
2013-11-24
KalmanTrackAna/cosX

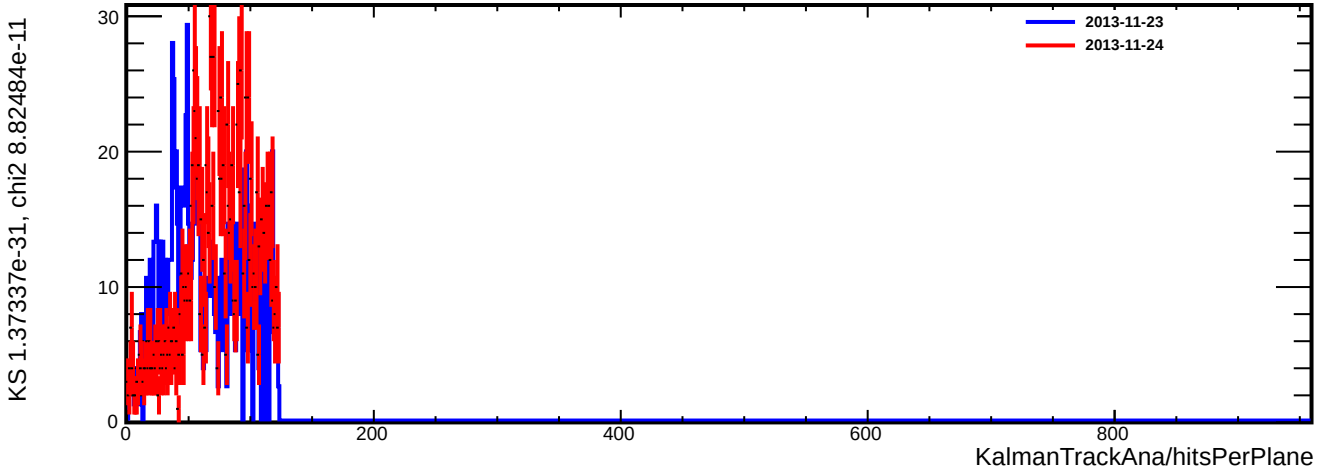

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/cosX

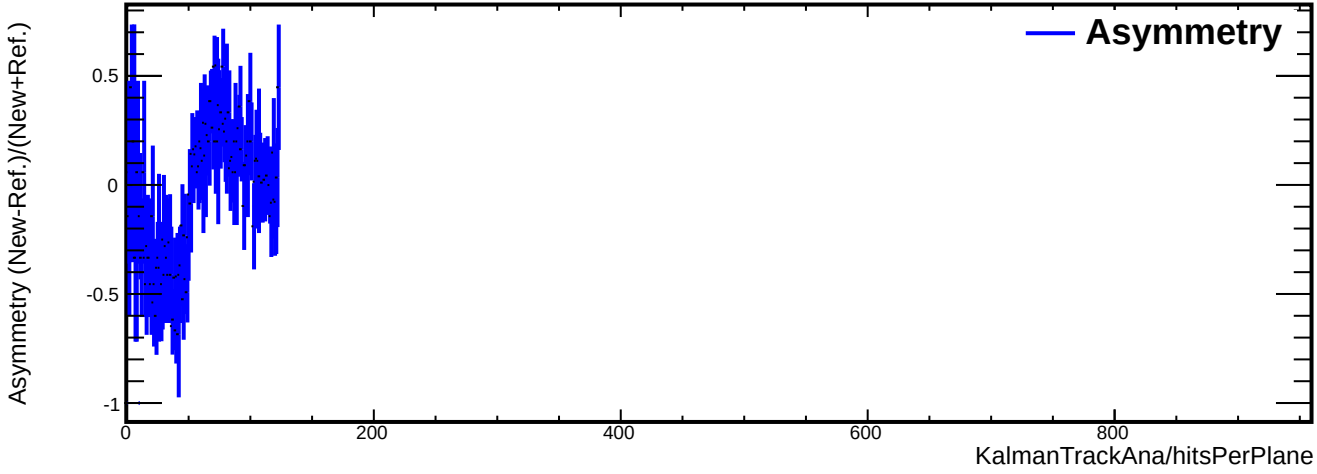

KS 4.51651e-15, chi2 3.15943e-05
2013-11-23
2013-11-24
0
5
10
15
20
25
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

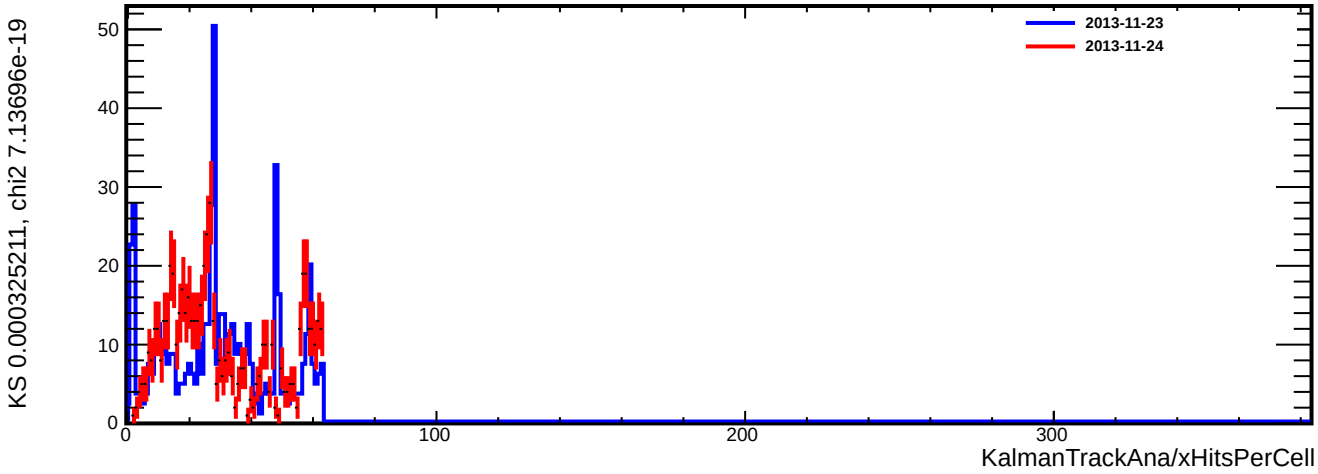

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

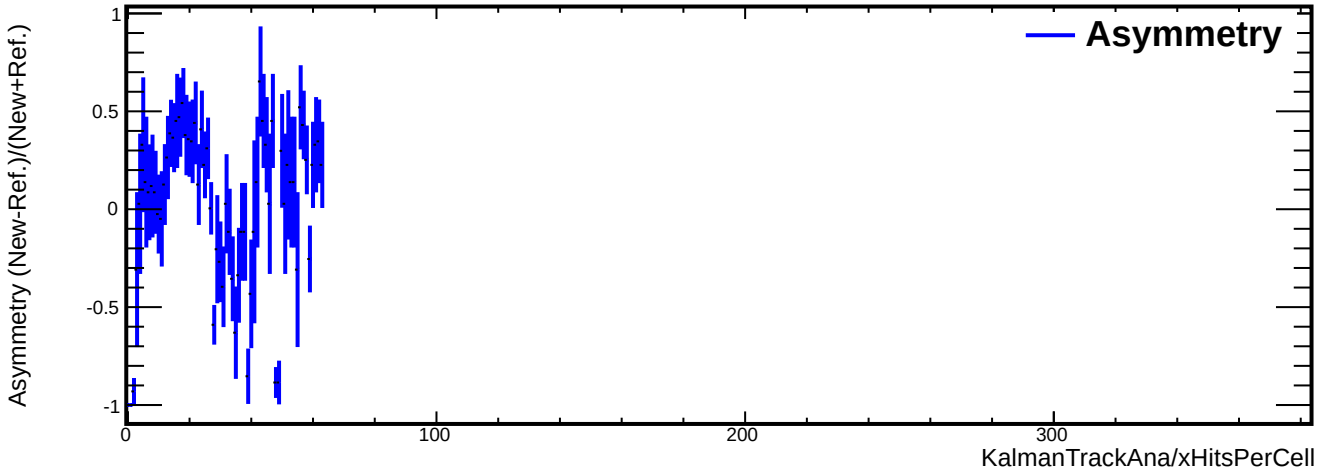

KS 4.80845e-17, chi2 1.99402e-07
2013-11-23
2013-11-24
30
20
10
0
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

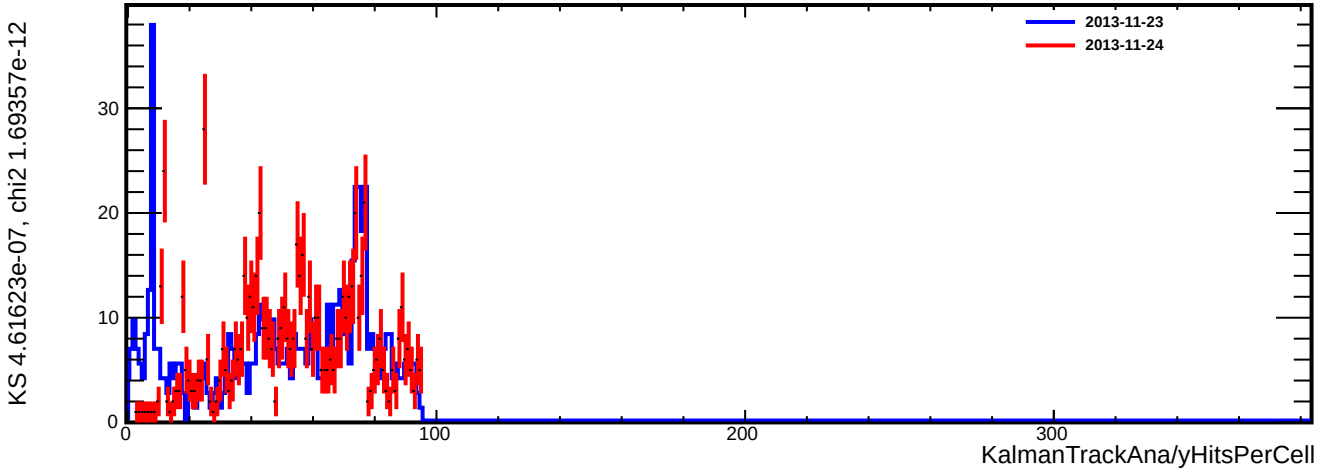

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

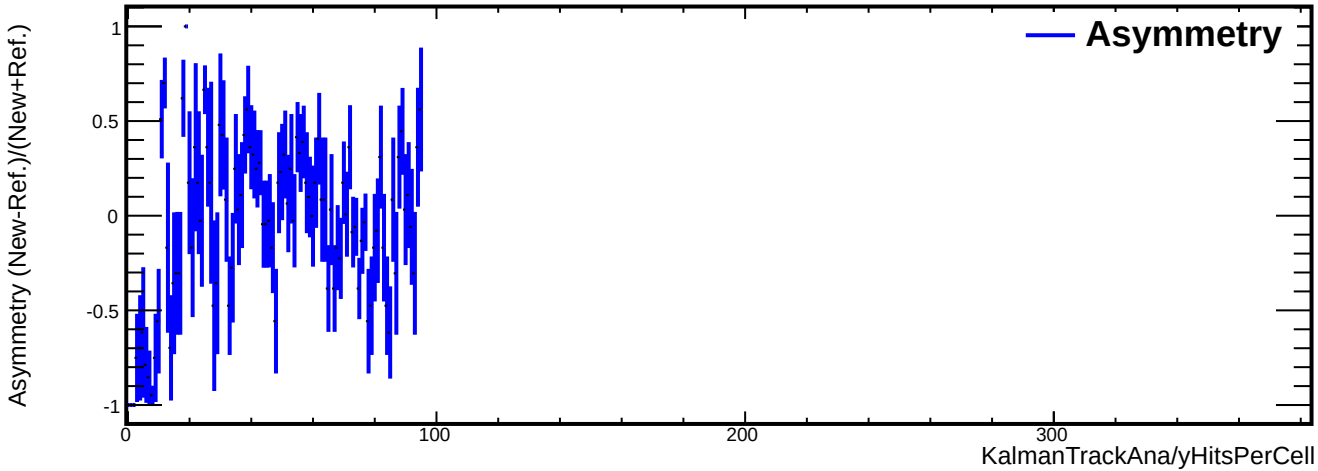

KS 1.37337e-31, chi2 8.82484e-11
30
20
10
0
0
200
400
600
800
KalmanTrackAna/hitsPerPlane
2013-11-23
2013-11-24

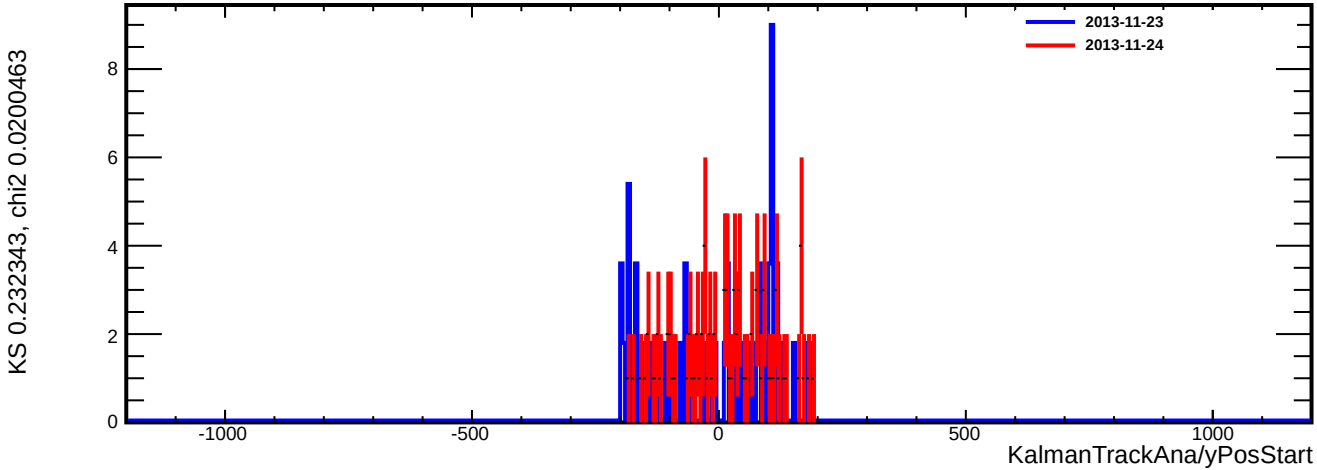

Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane
Asymmetry

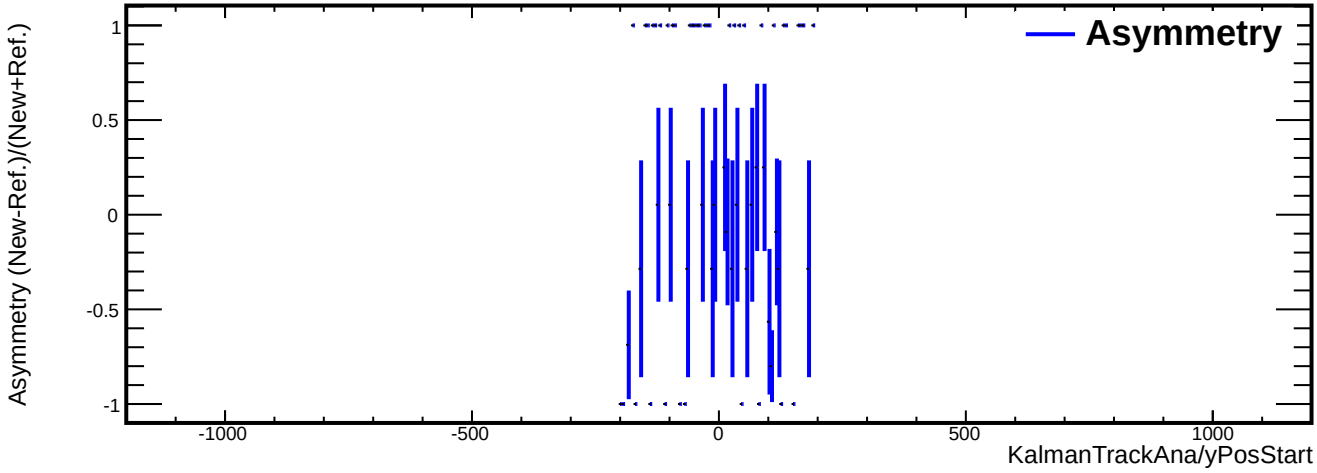

KS 0.000325211, chi2 7.13696e-19
2013-11-23
2013-11-24
0
10
20
30
40
50
0
100
200
300
KalmanTrackAna/xHitsPerCell

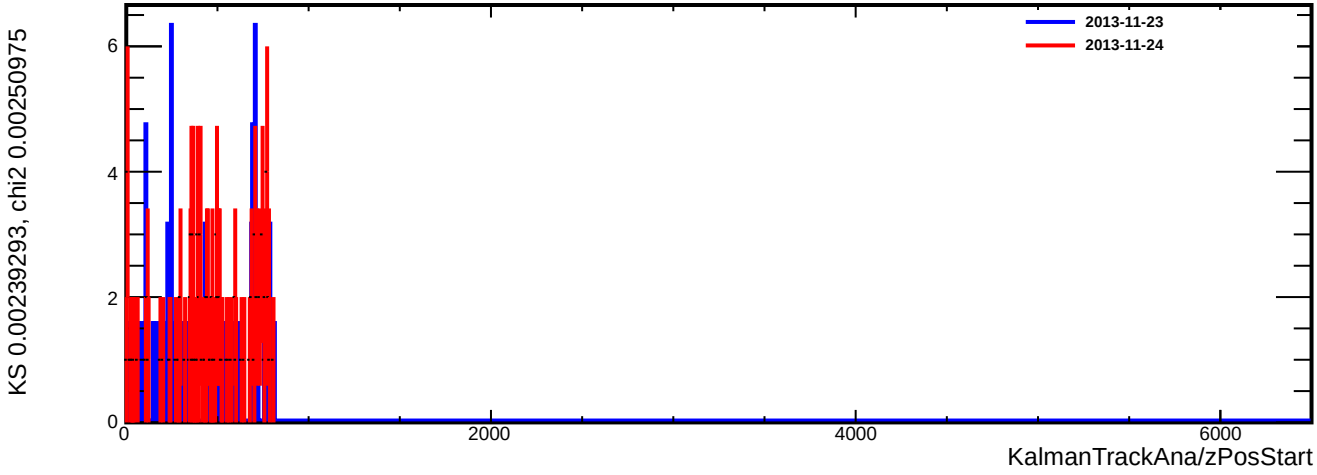

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/xHitsPerCell

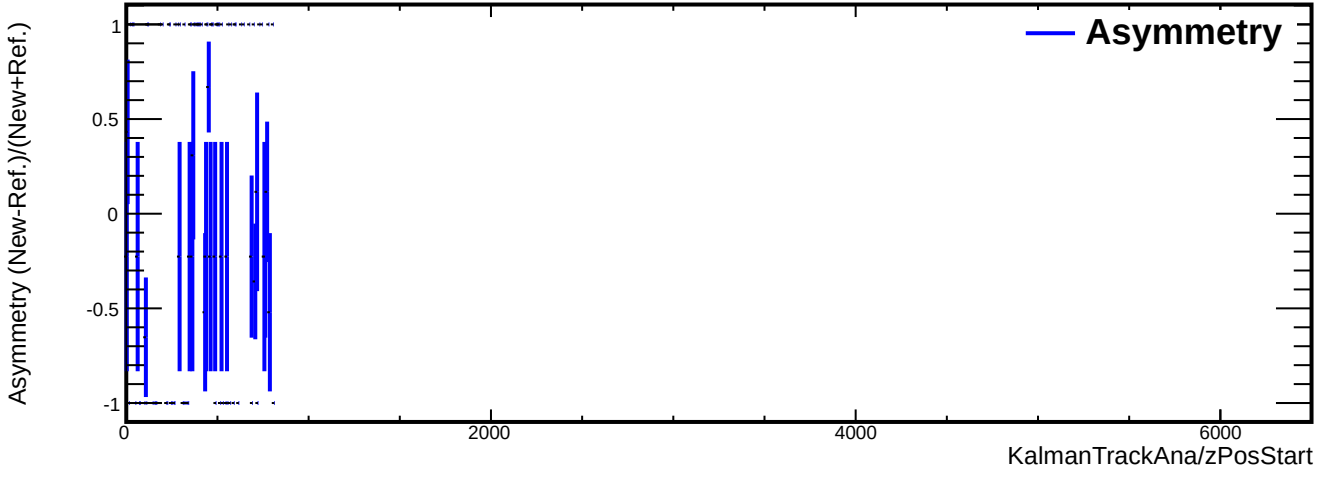

KS 4.61623e-07, chi2 1.69357e-12
2013-11-23
2013-11-24
0
10
20
30
0
100
200
300
KalmanTrackAna/yHitsPerCell

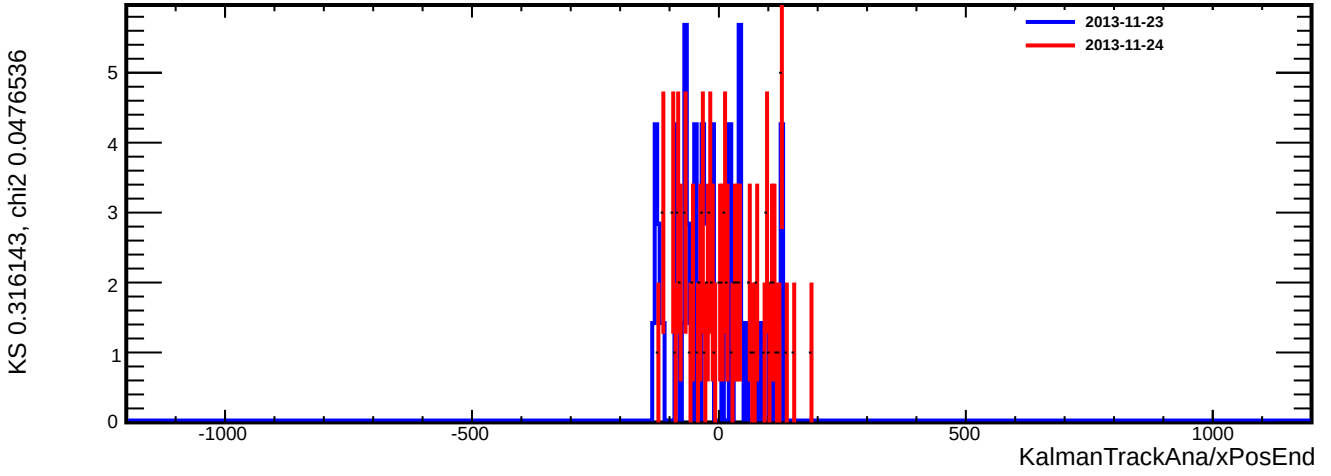

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

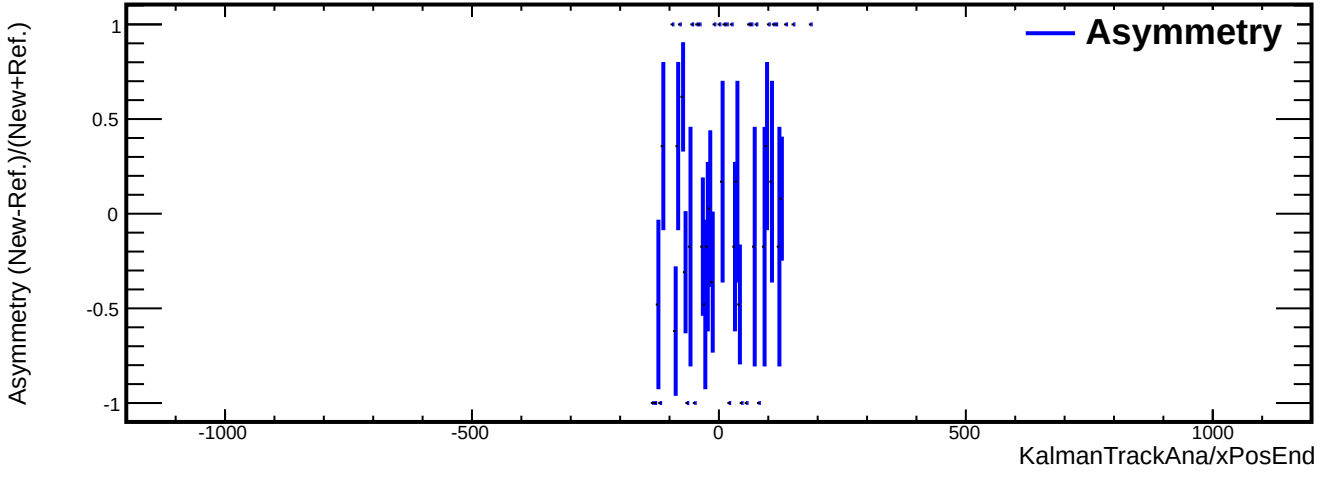

KS 0.232343, chi2 0.0200463
2013-11-23
2013-11-24
0
2
4
6
8
-1000
-500
0
500
1000
KalmanTrackAna/yPosStart

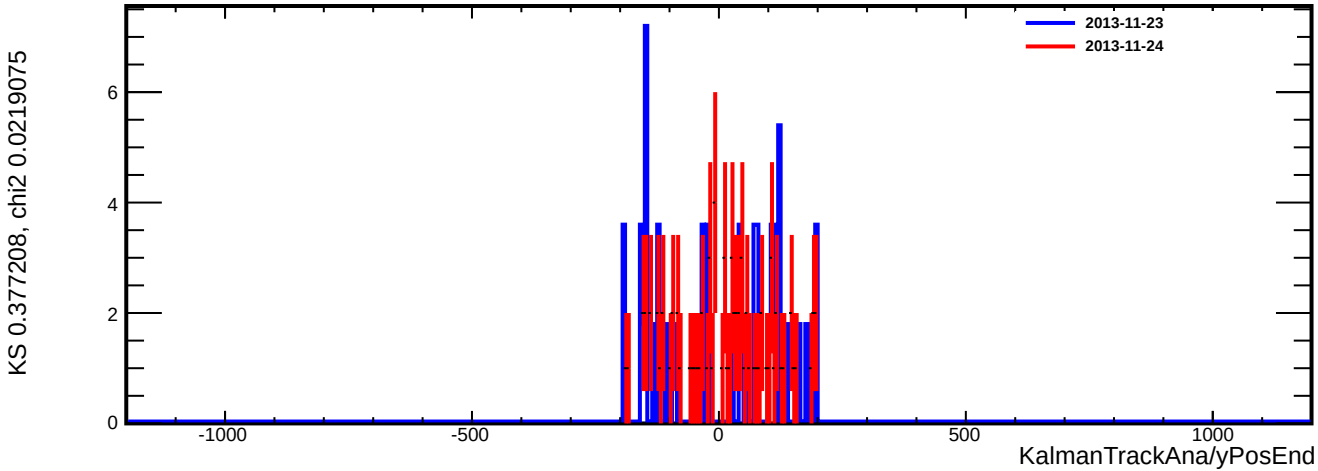

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPosStart

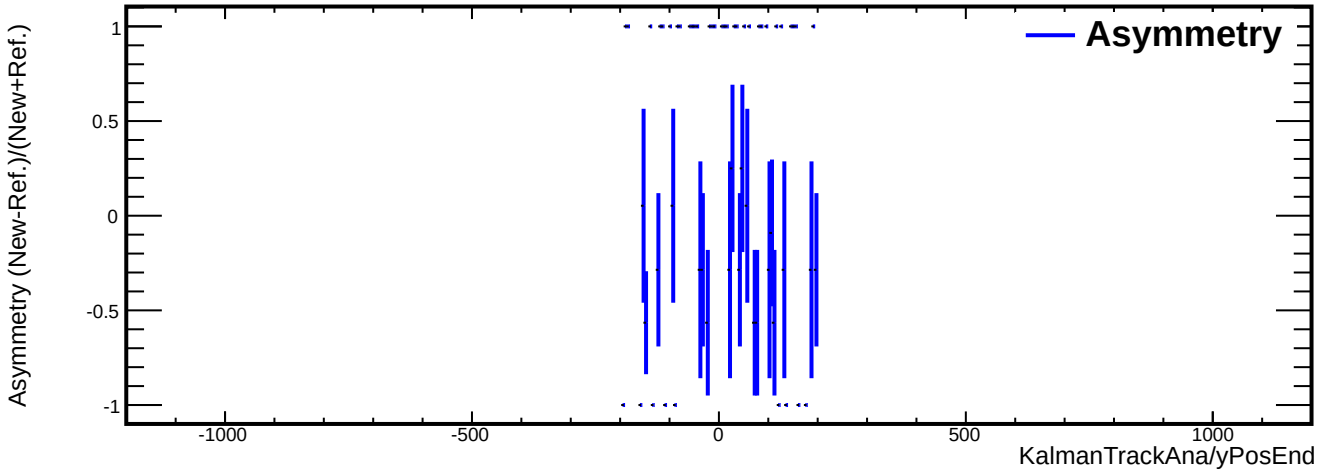

KS 0.00239293, chi2 0.00250975
2013-11-23
2013-11-24
0
2
4
6
0
2000
4000
6000
KalmanTrackAna/zPosStart

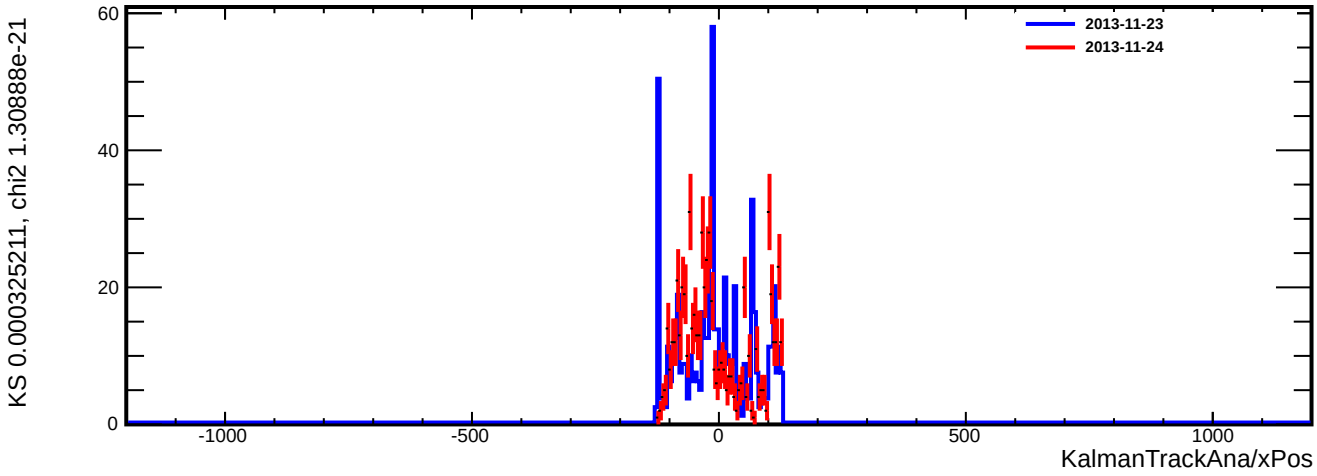

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2000
4000
6000
KalmanTrackAna/zPosStart

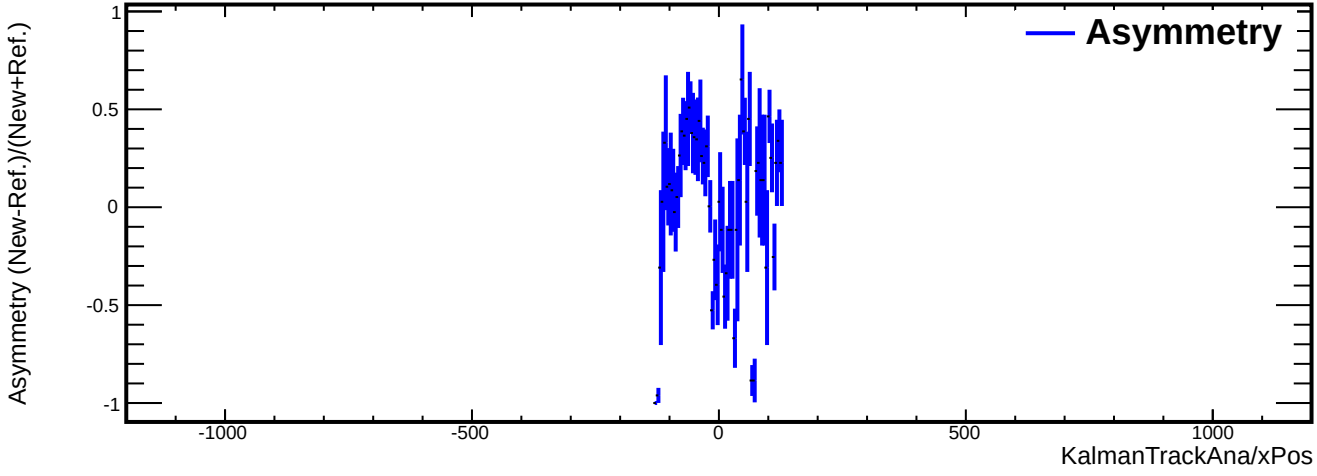

KS 0.316143, chi2 0.0476536
2013-11-23
2013-11-24
0
1
2
3
4
5
-1000
-500
0
500
1000
KalmanTrackAna/xPosEnd

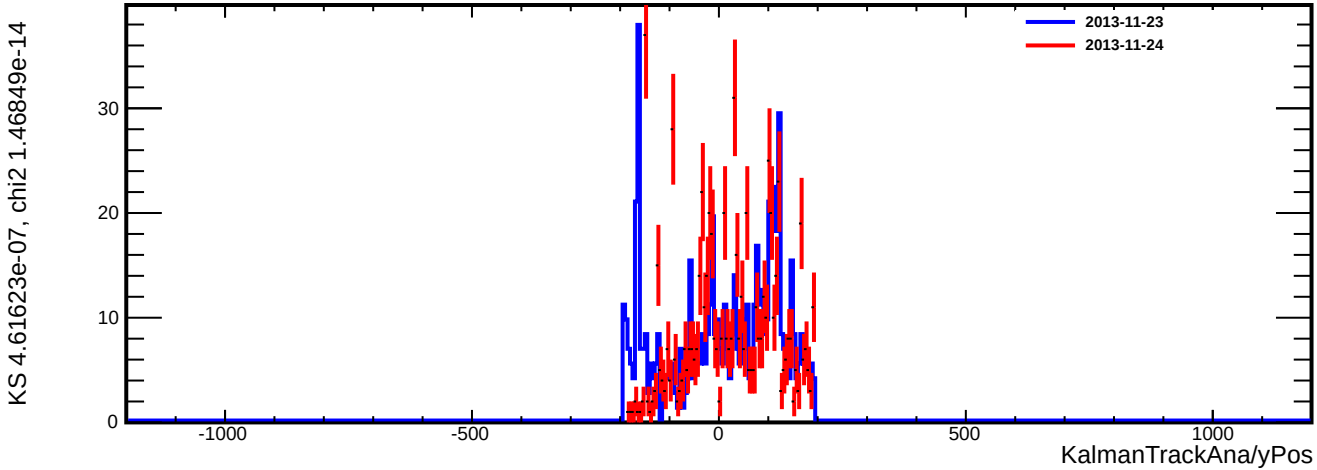

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPosEnd

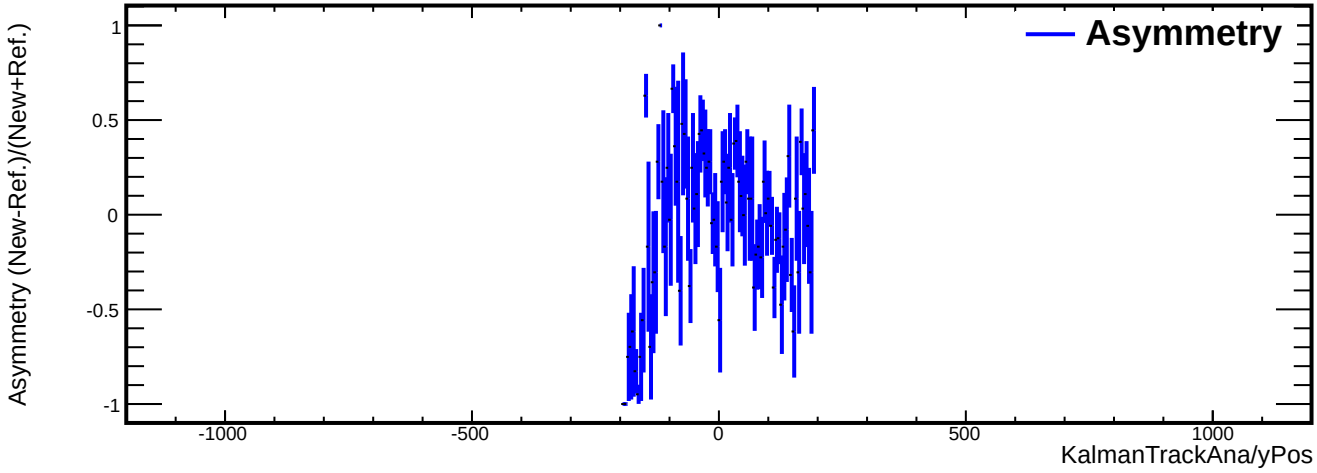

KS 0.377208, chi2 0.0219075
2013-11-23
2013-11-24
0
2
4
6
-1000
-500
0
500
1000
KalmanTrackAna/yPosEnd

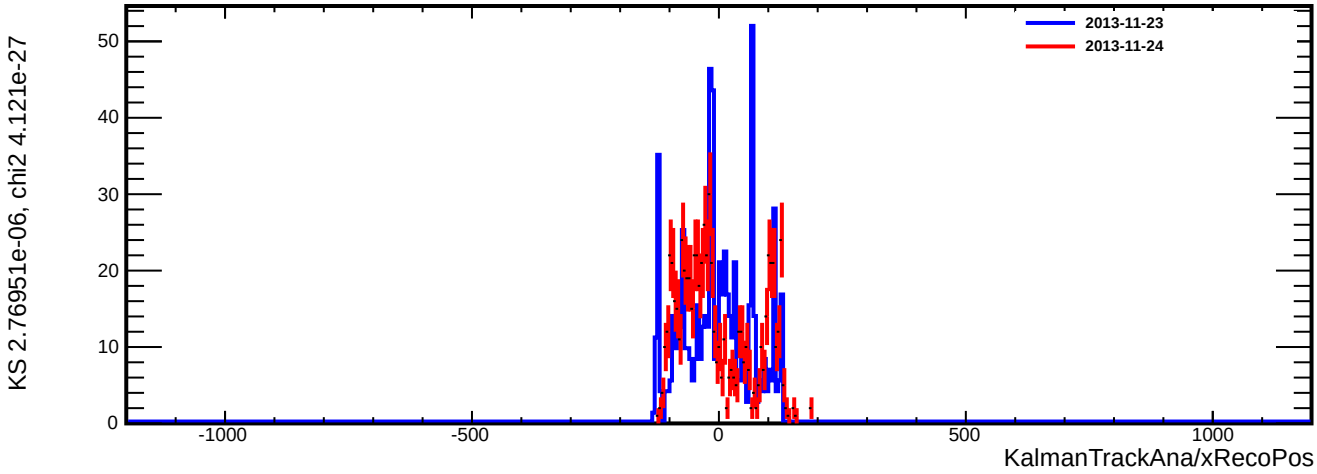

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPosEnd

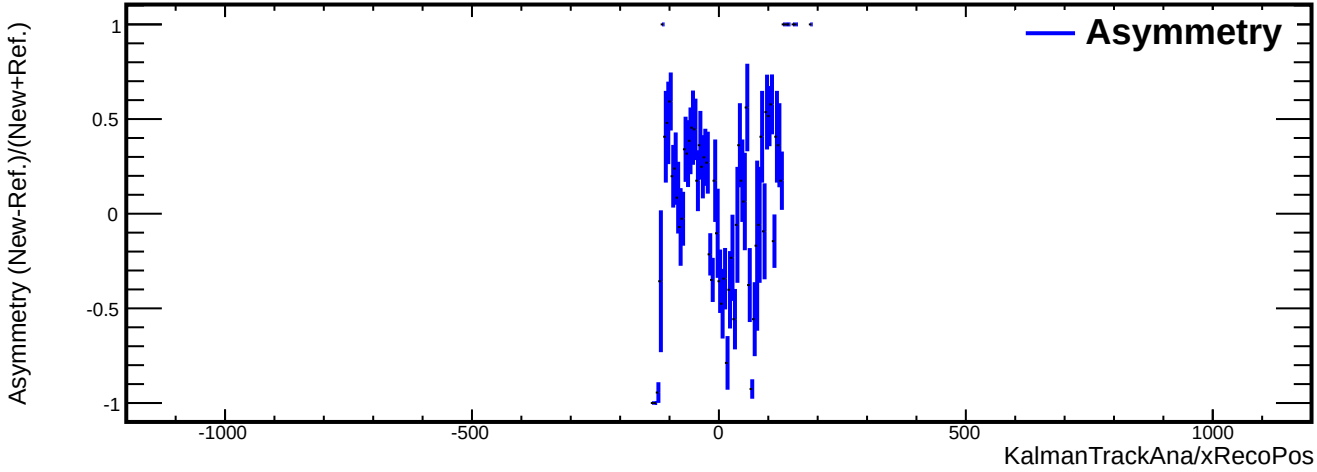

KS 0.000325211, chi2 1.30888e-21
60
40
20
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos
2013-11-23
2013-11-24

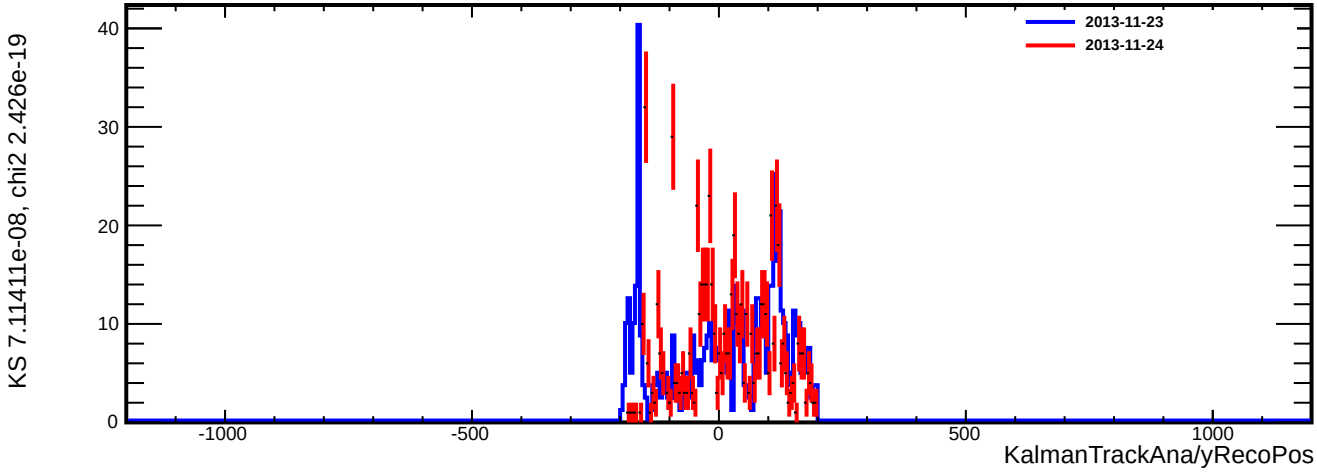

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPos
Asymmetry

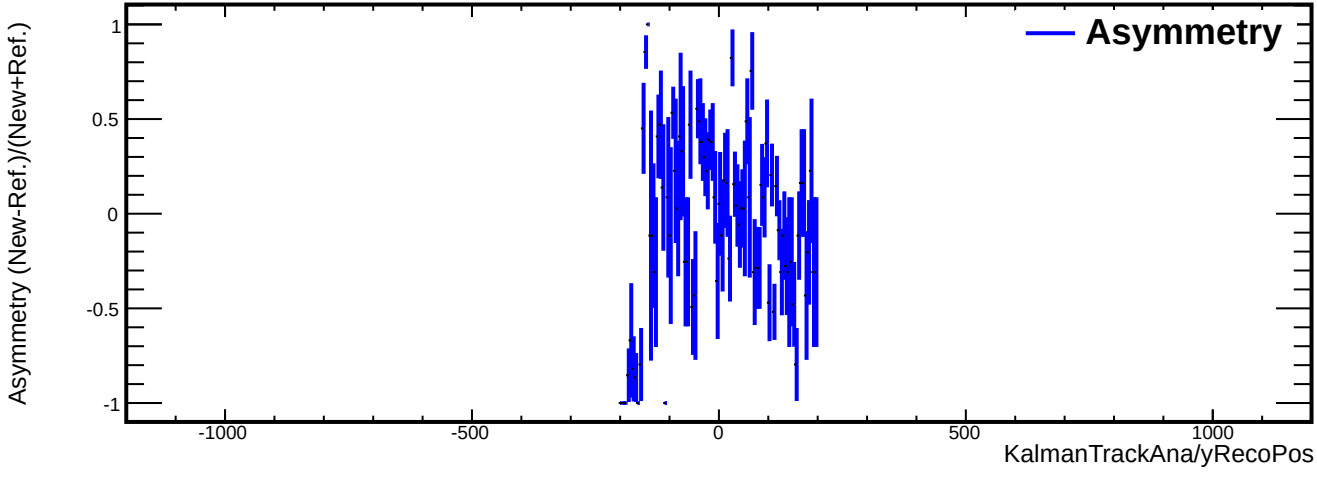

KS 4.61623e-07, chi2 1.46849e-14
2013-11-23
2013-11-24
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos

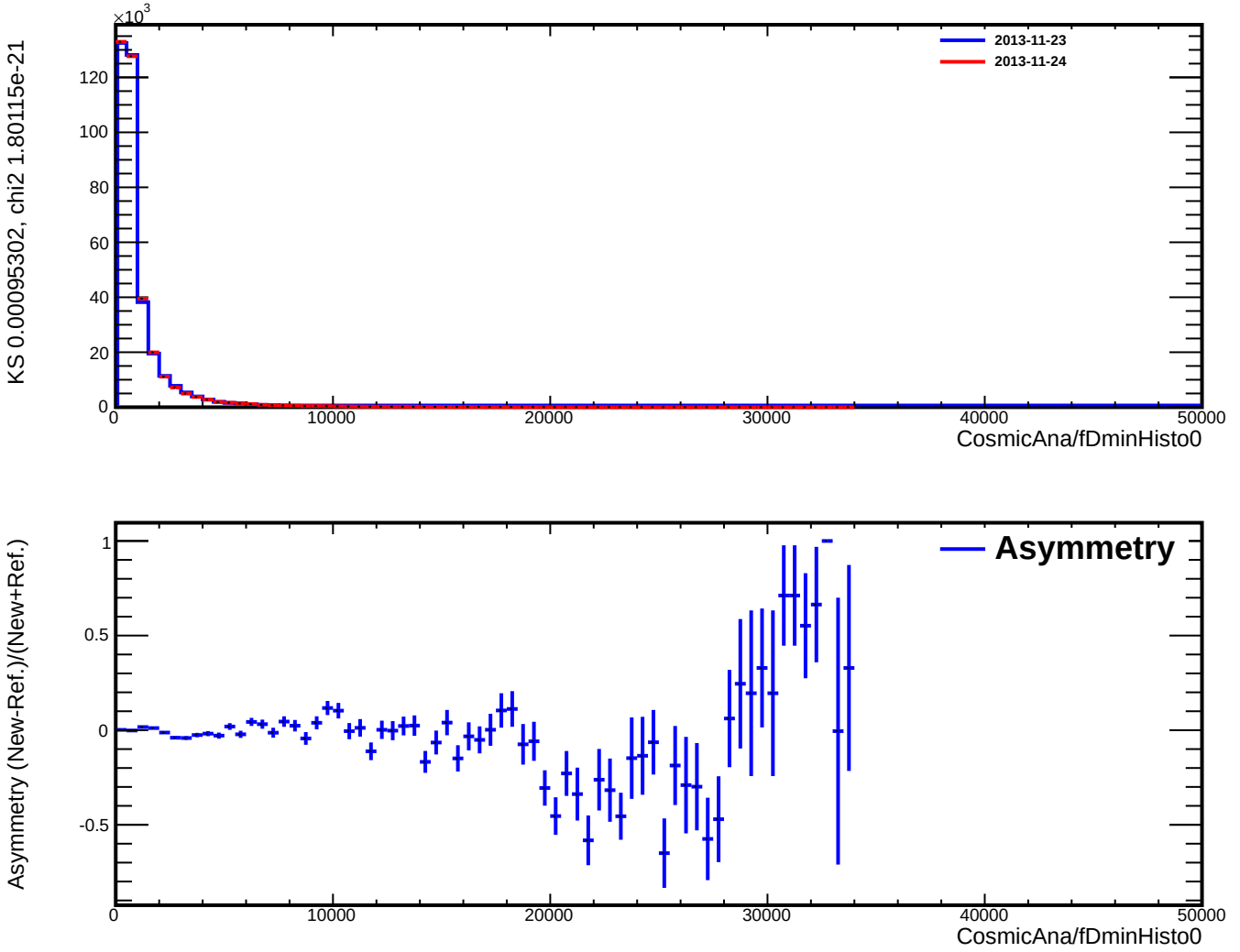

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

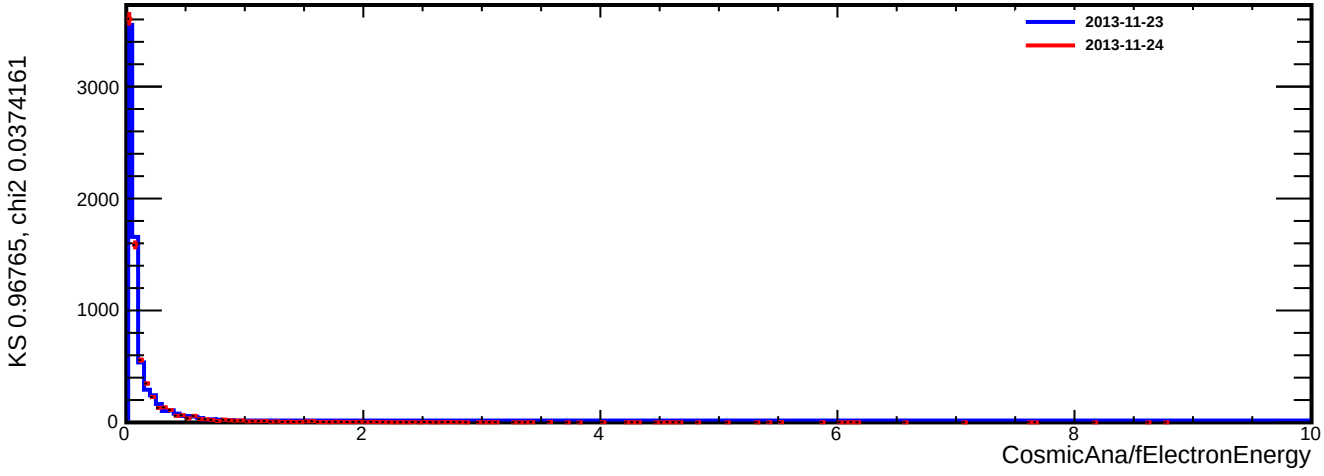

KS 2.76951e-06, chi2 4.121e-27
2013-11-23
2013-11-24
50
40
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

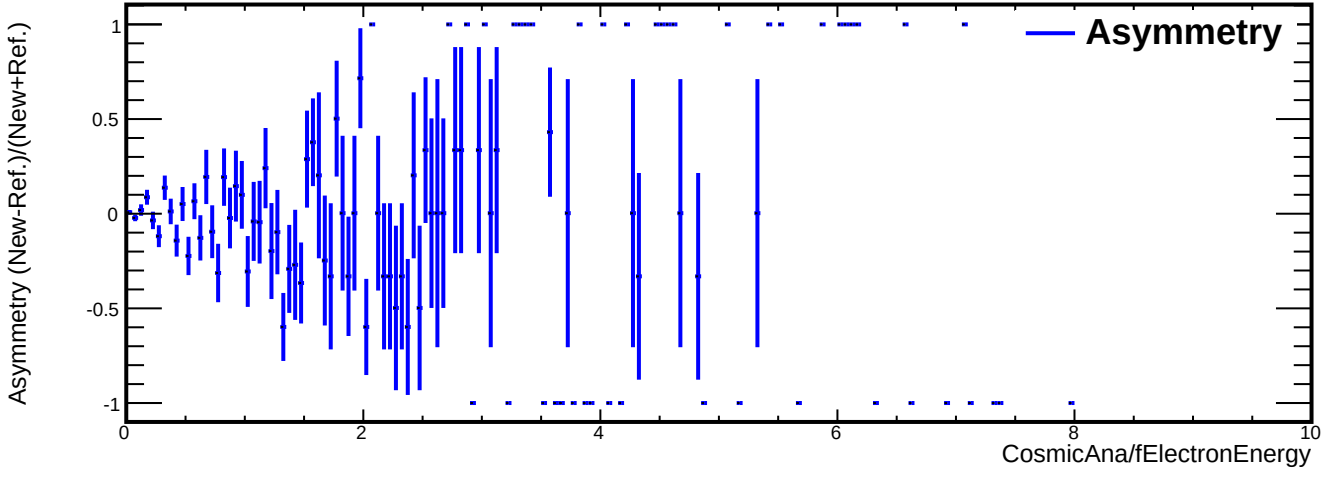

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

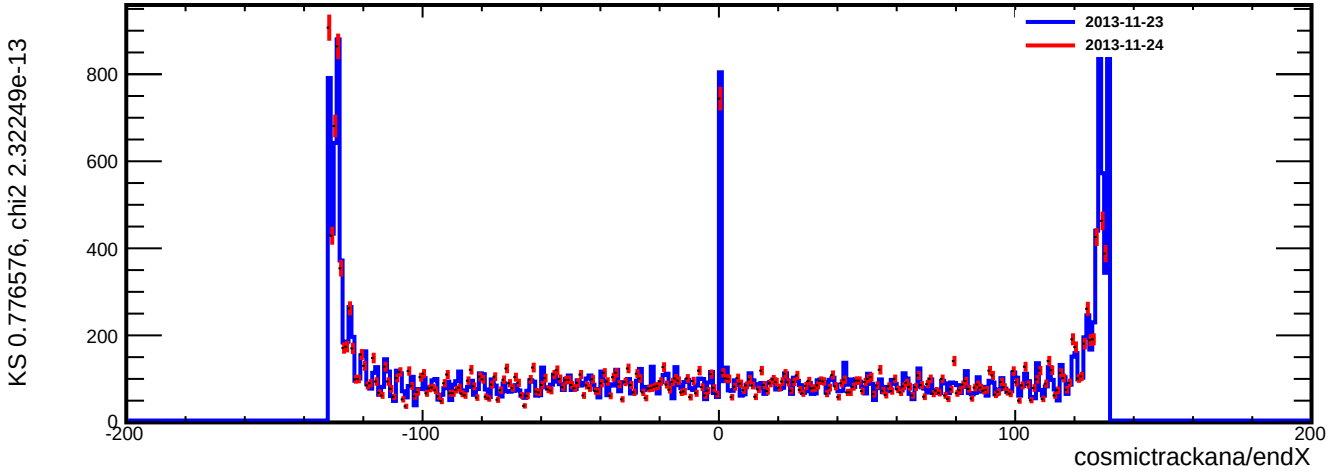

KS 7.11411e-08, chi2 2.426e-19
2013-11-23
2013-11-24
40
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

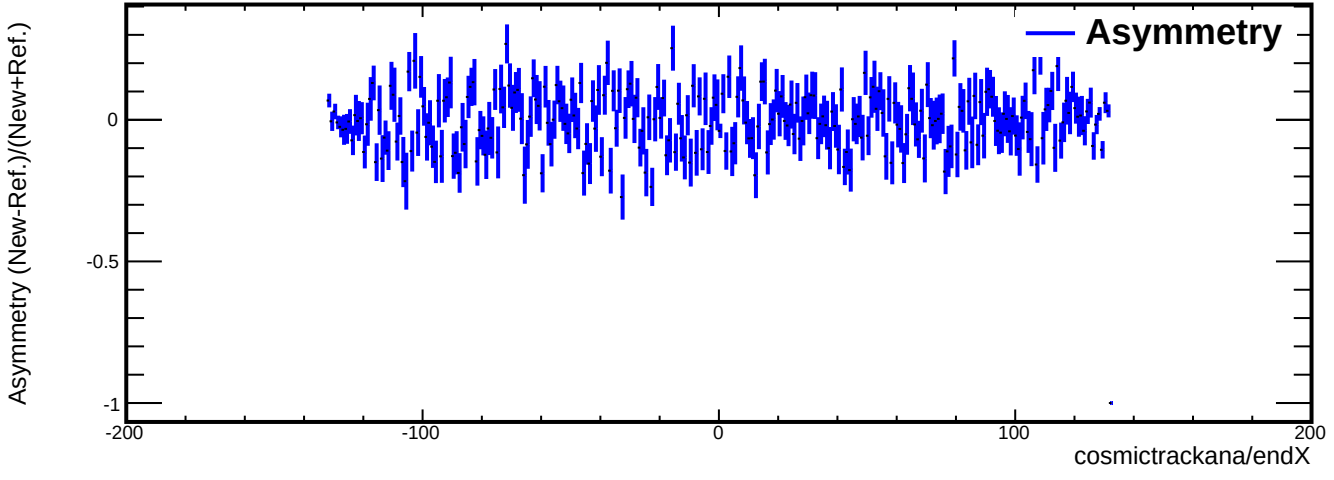

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

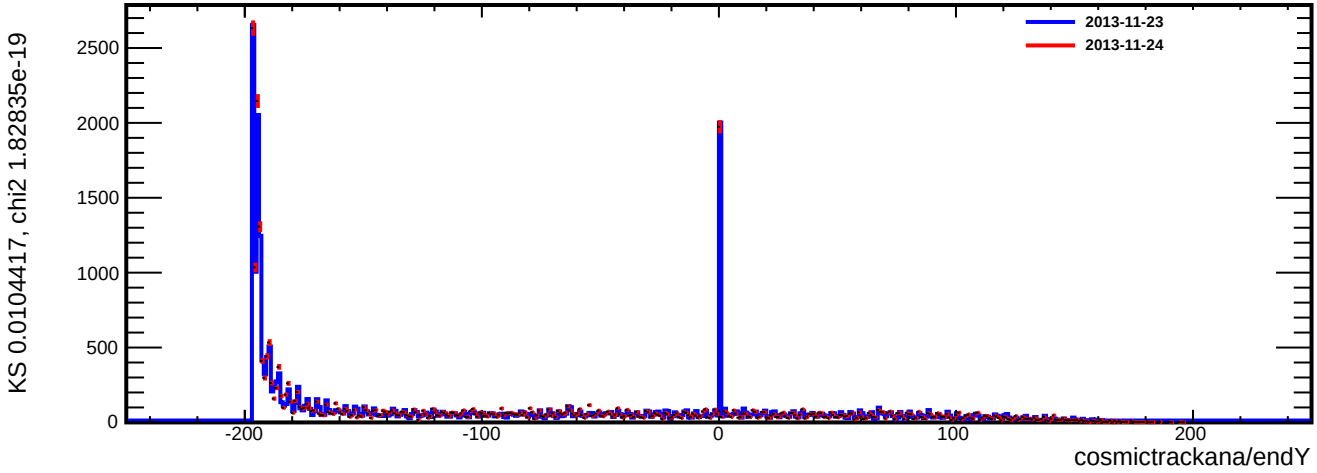

KS 0.00095302, chi2 1.80115e-21
×10^3
2013-11-23
2013-11-24
CosmicAna/fDminHisto0
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
CosmicAna/fDminHisto0

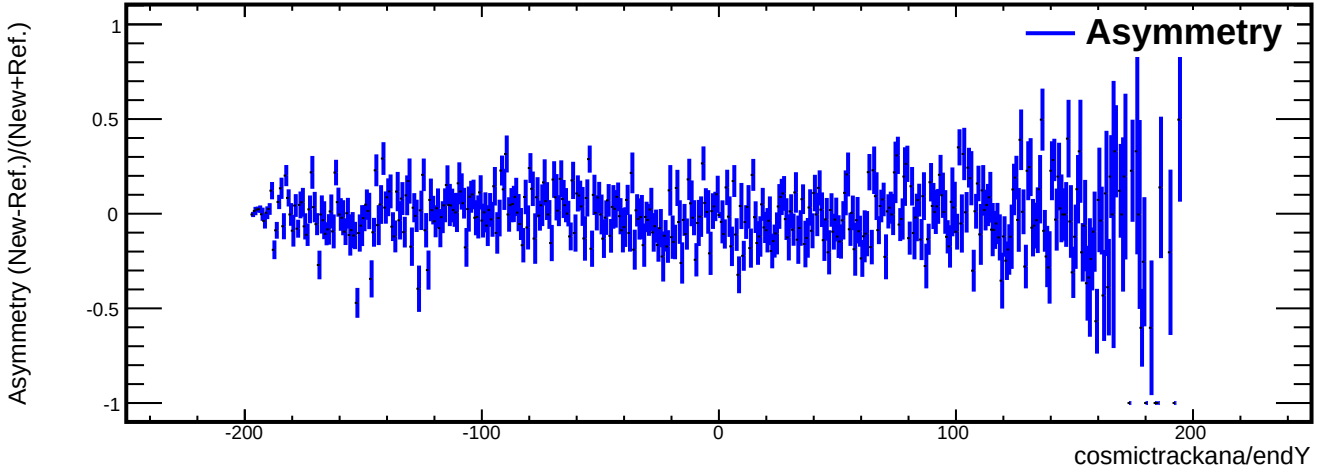

KS 0.96765, chi2 0.0374161
2013-11-23
2013-11-24
3000
2000
1000
0
0
2
4
6
8
10
CosmicAna/fElectronEnergy

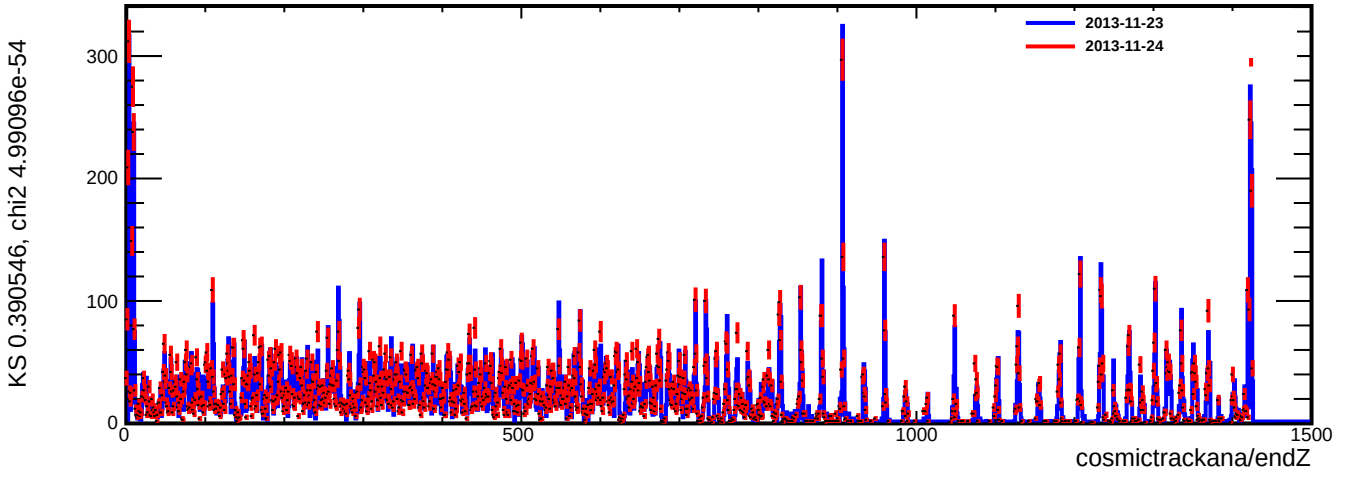

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2
4
6
8
10
CosmicAna/fElectronEnergy

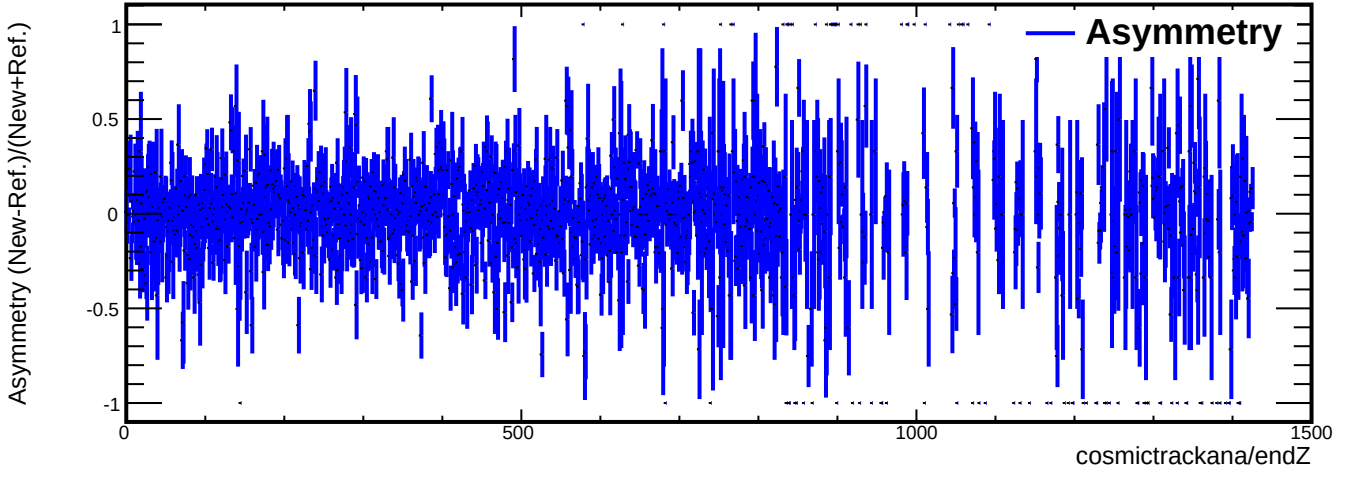

KS 0.776576, chi2 2.32249e-13
2013-11-23
2013-11-24
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

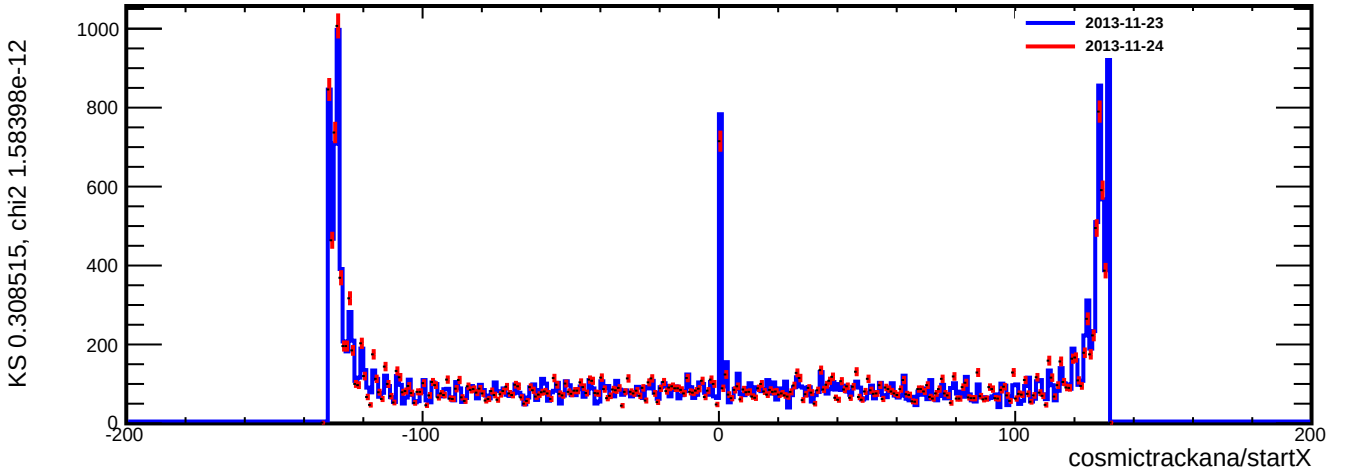

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endX

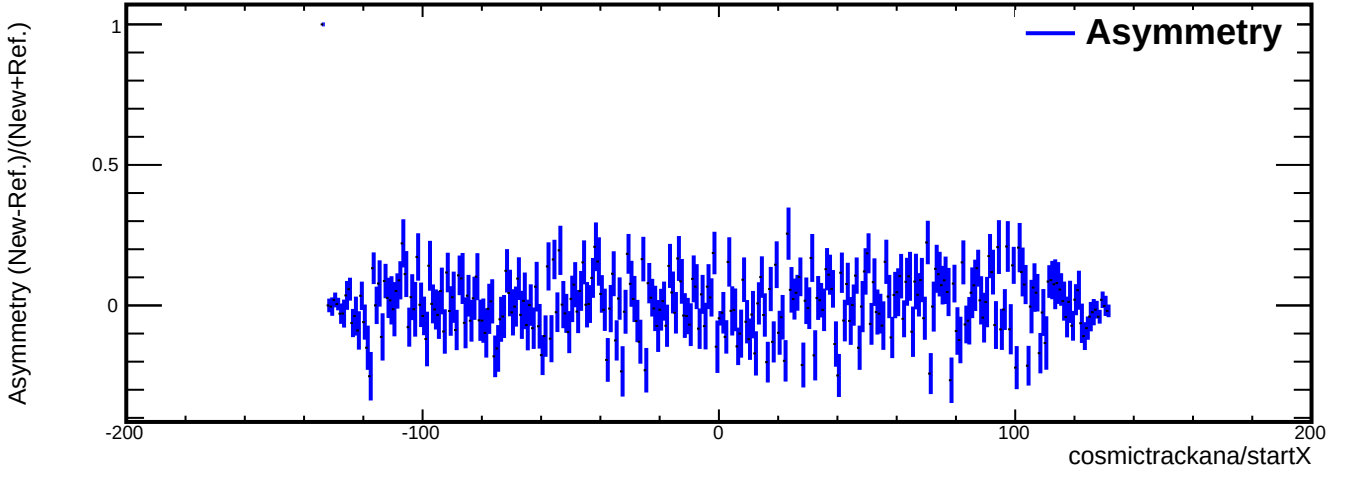

KS 0.0104417, chi2 1.82835e-19
2013-11-23
2013-11-24
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

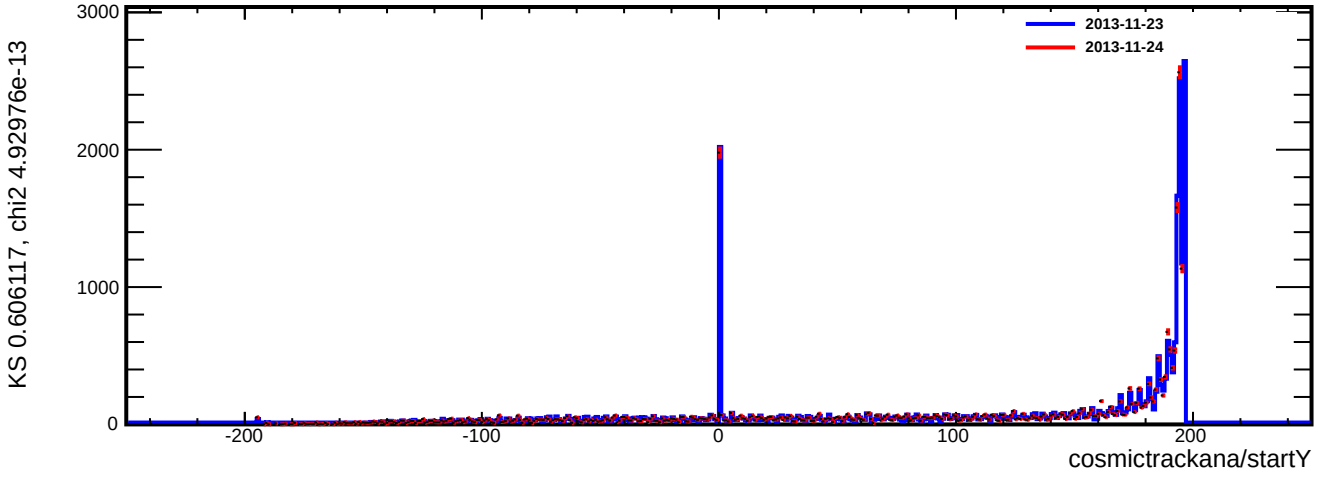

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

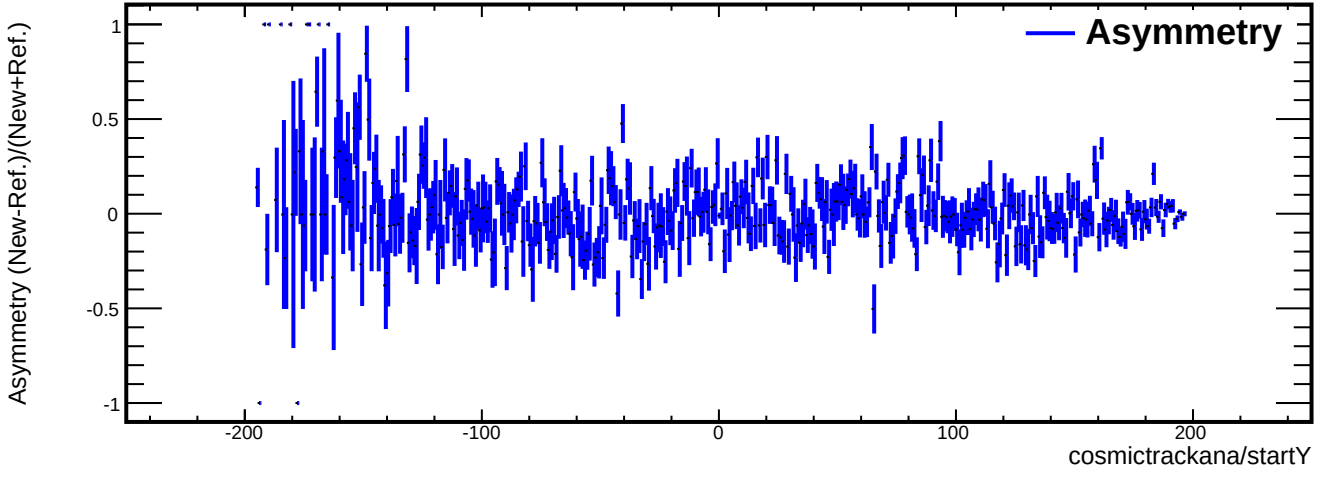

KS 0.390546, chi2 4.99096e-54
2013-11-23
2013-11-24
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

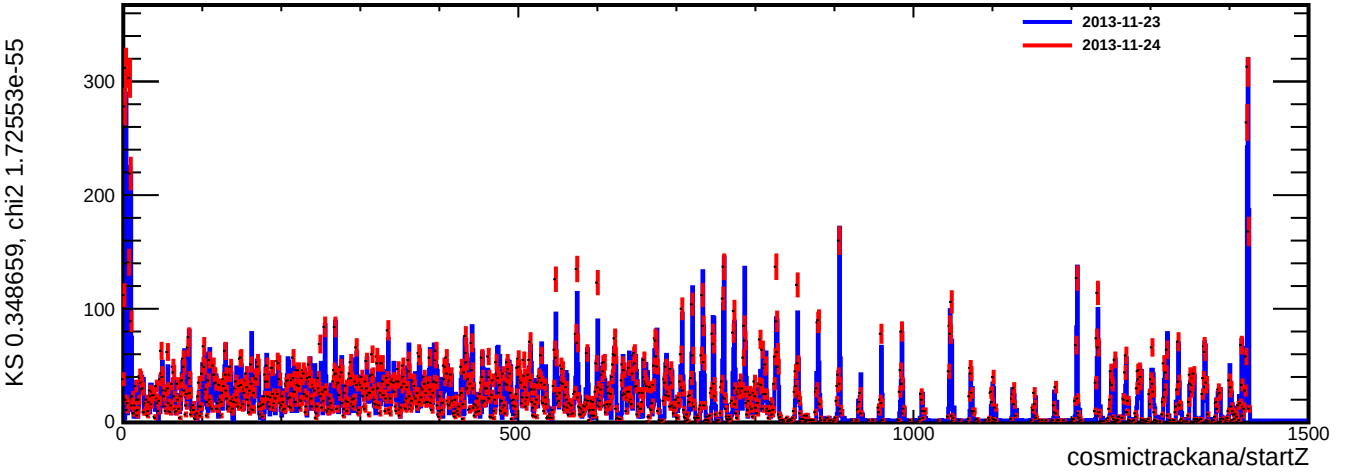

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

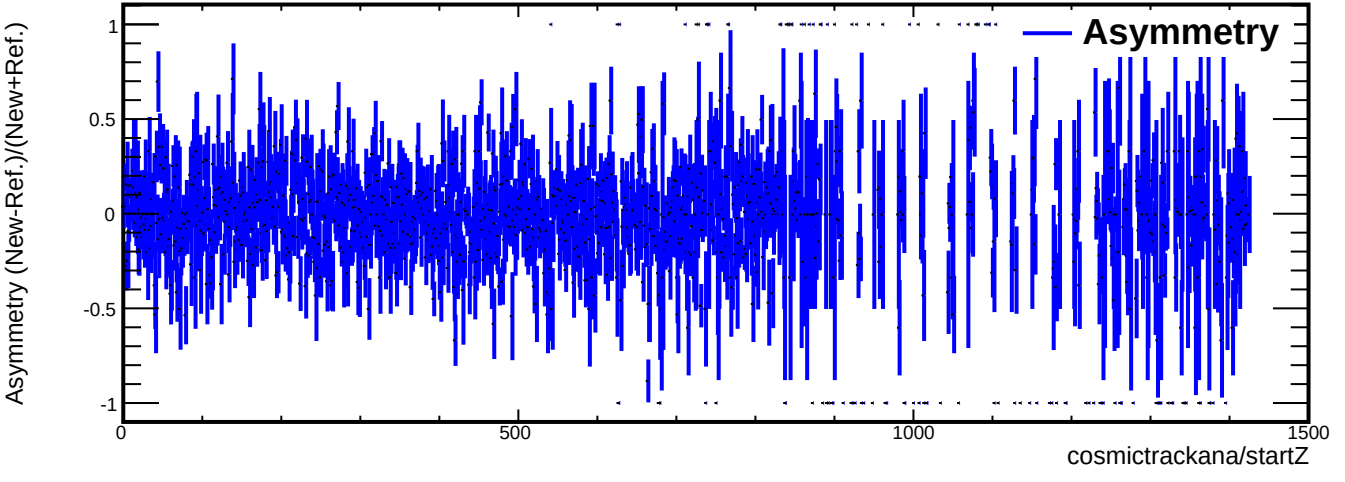

KS 0.308515, chi2 1.58398e-12
2013-11-23
2013-11-24
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

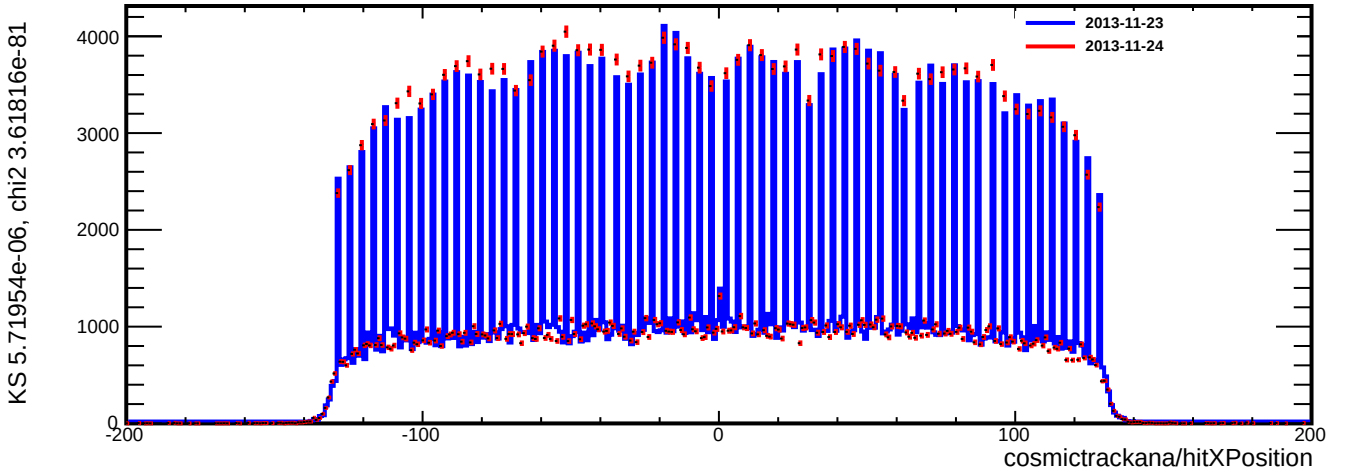

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-200
-100
0
100
200
cosmictrackana/startX

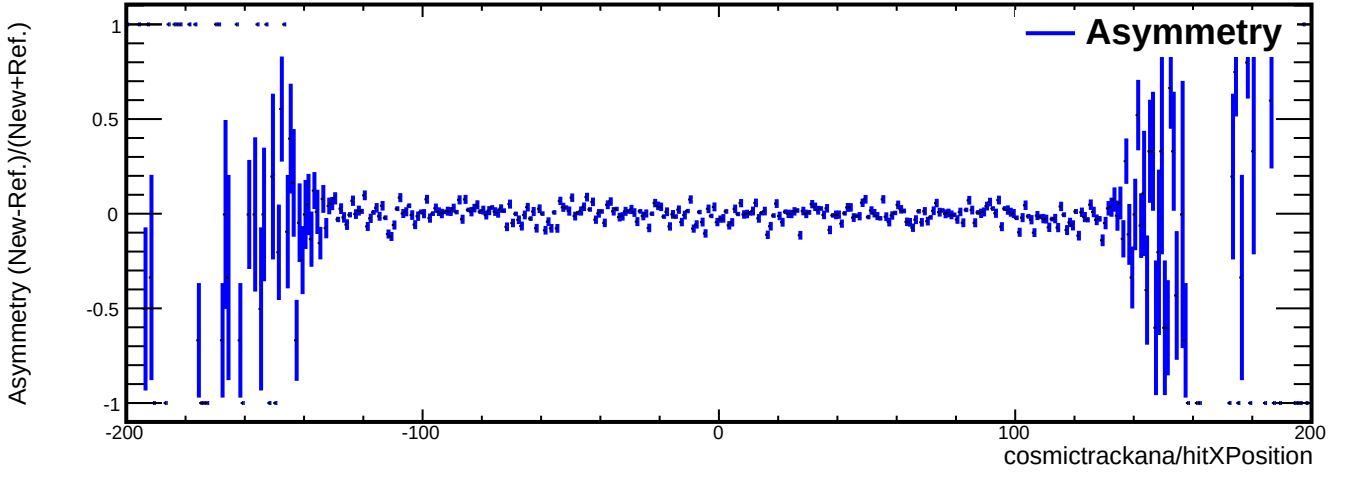

KS 0.606117, chi2 4.92976e-13
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2013-11-23
2013-11-24

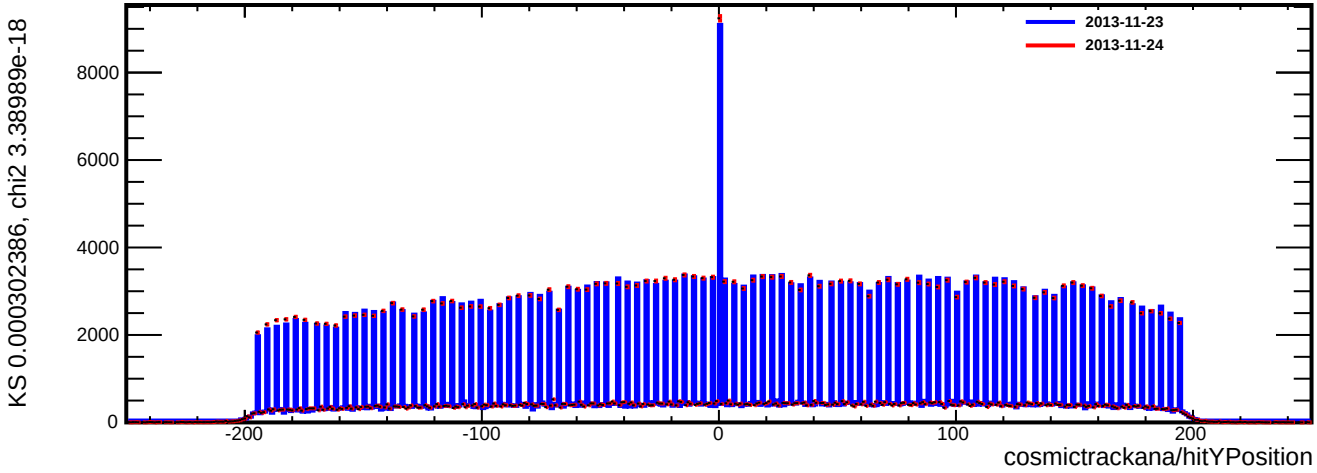

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

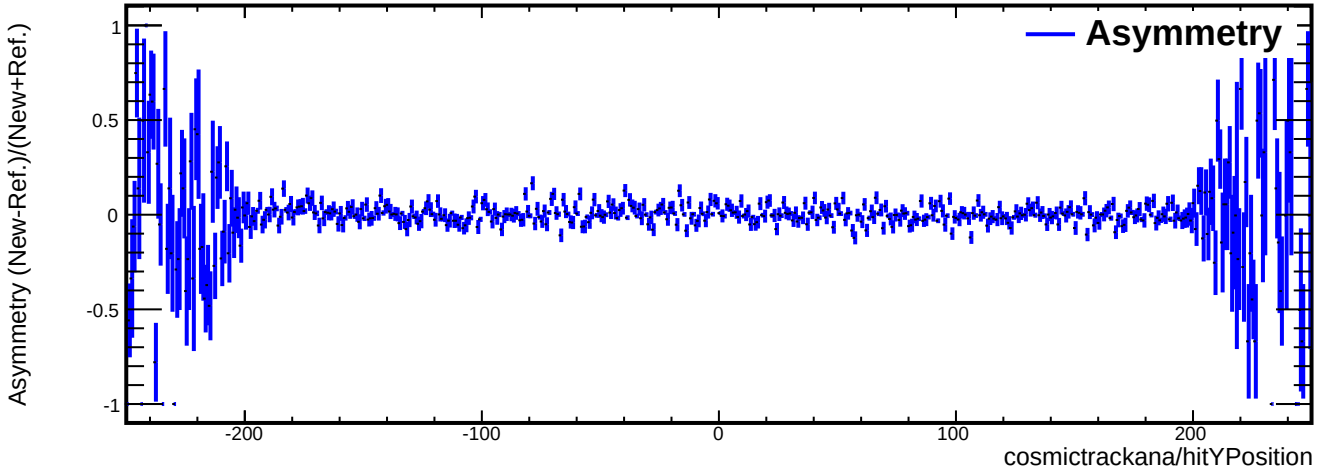

KS 0.348659, chi2 1.72553e-55
2013-11-23
2013-11-24
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

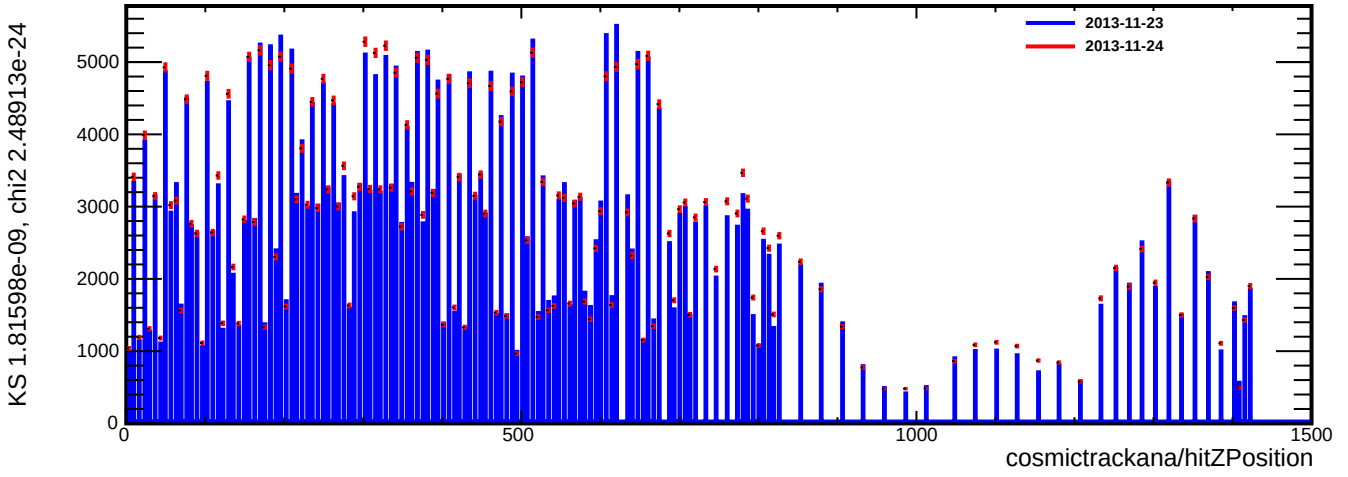

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

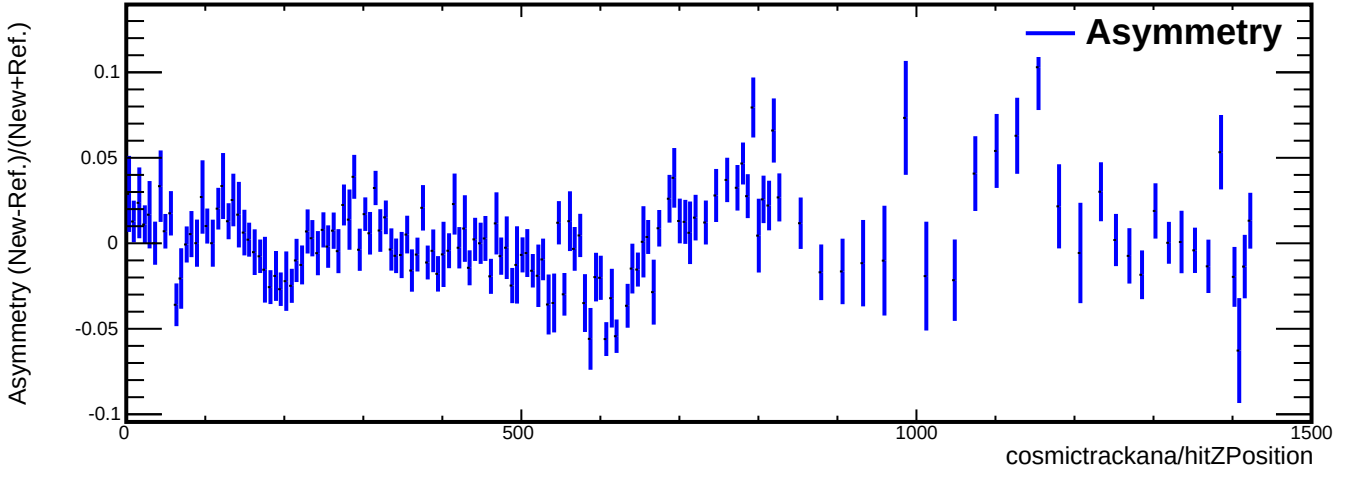

KS 5.71954e-06, chi2 3.61816e-81
2013-11-23
2013-11-24
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

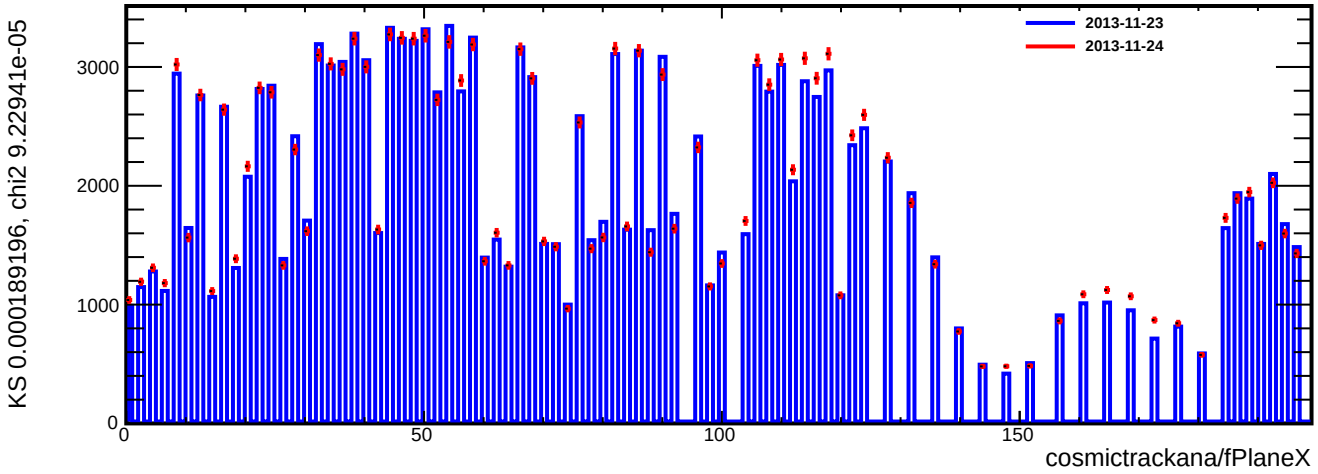

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

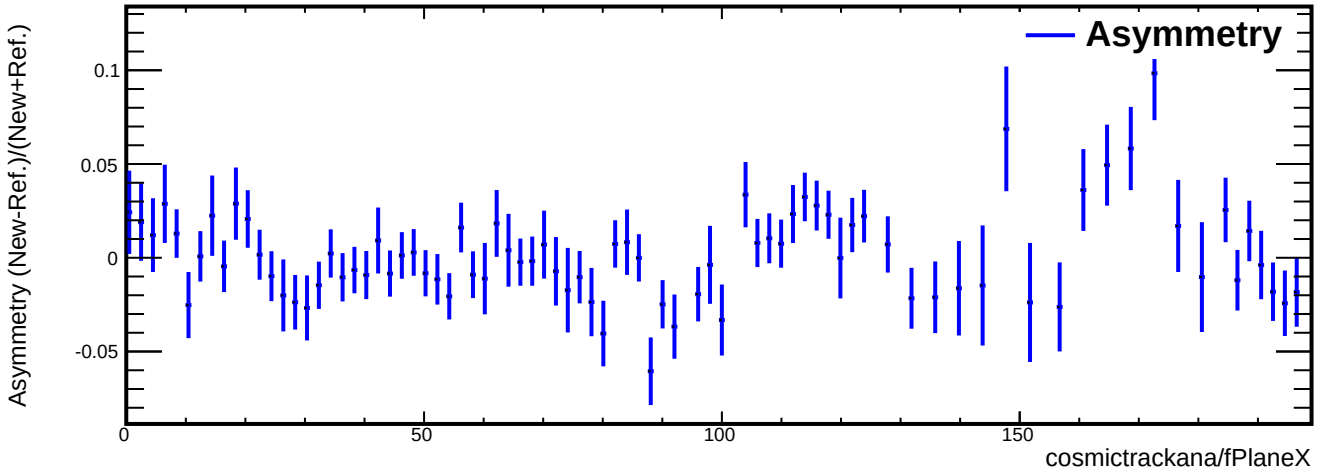

KS 0.000302386, chi2 3.38989e-18
2013-11-23
2013-11-24
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

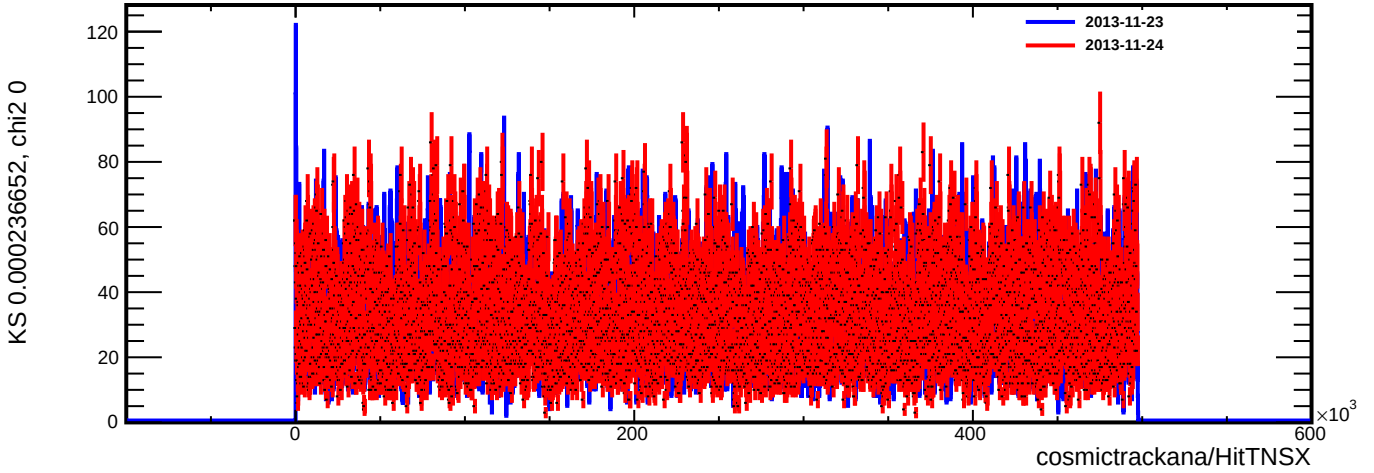

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

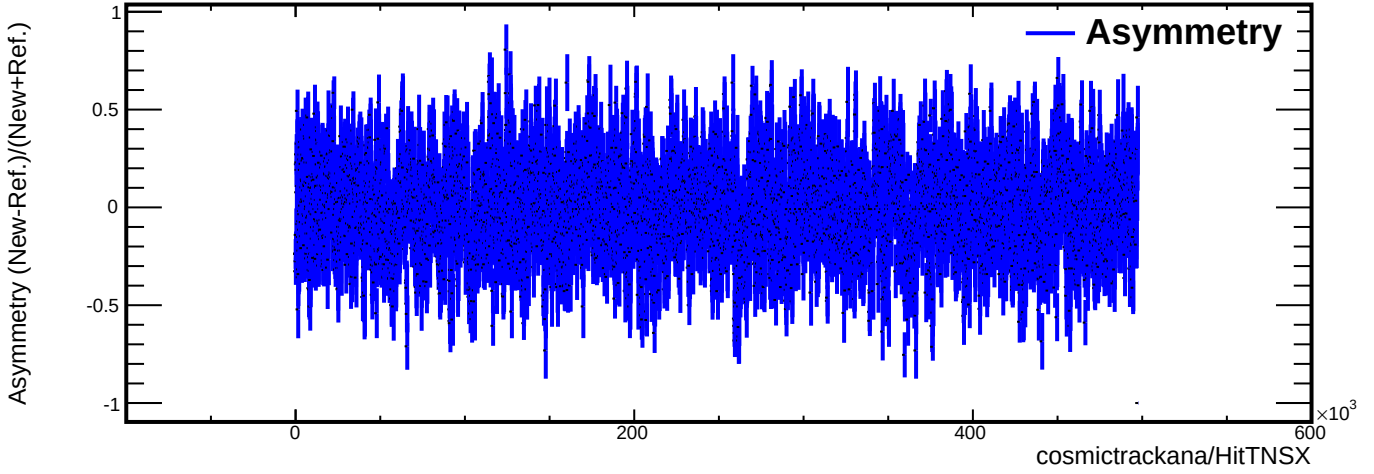

KS 1.81598e-09, chi2 2.48913e-24
2013-11-23
2013-11-24
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

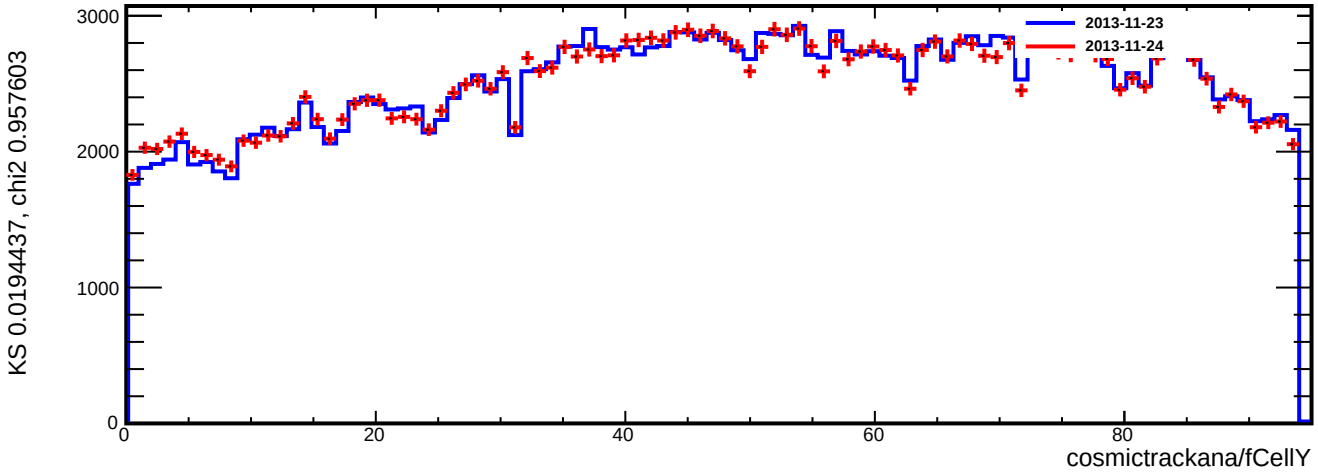

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
500
1000
1500
cosmictrackana/hitZPosition

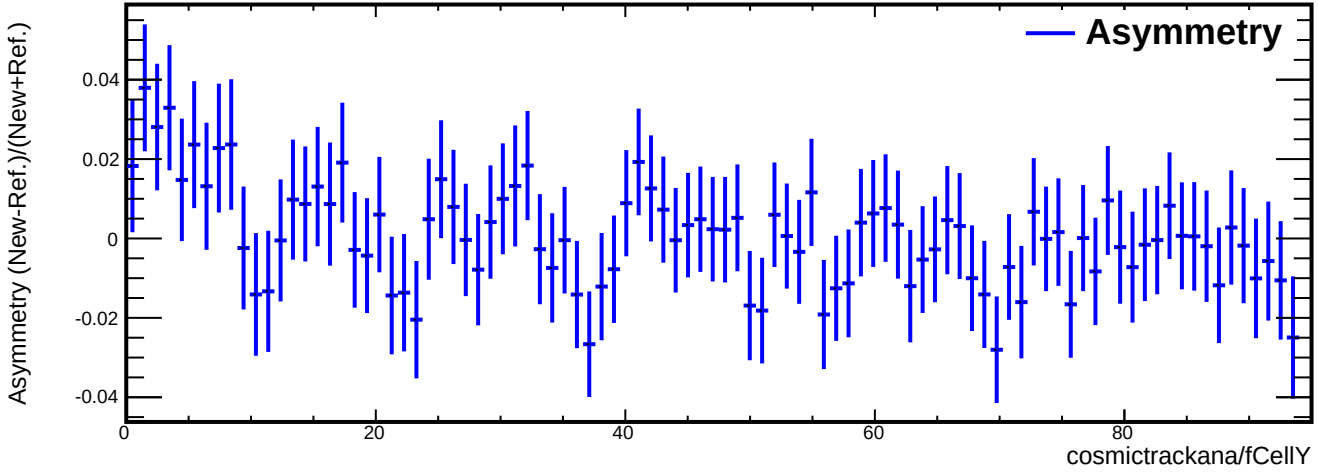

KS 0.000189196, chi2 9.22941e-05
2013-11-23
2013-11-24
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

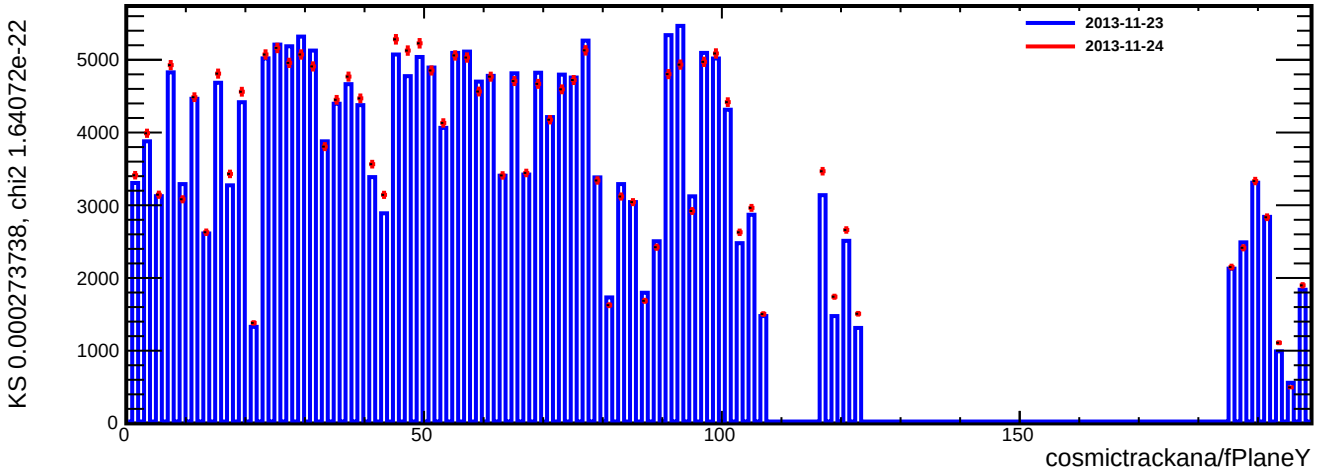

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
0
50
100
150
cosmictrackana/fPlaneX

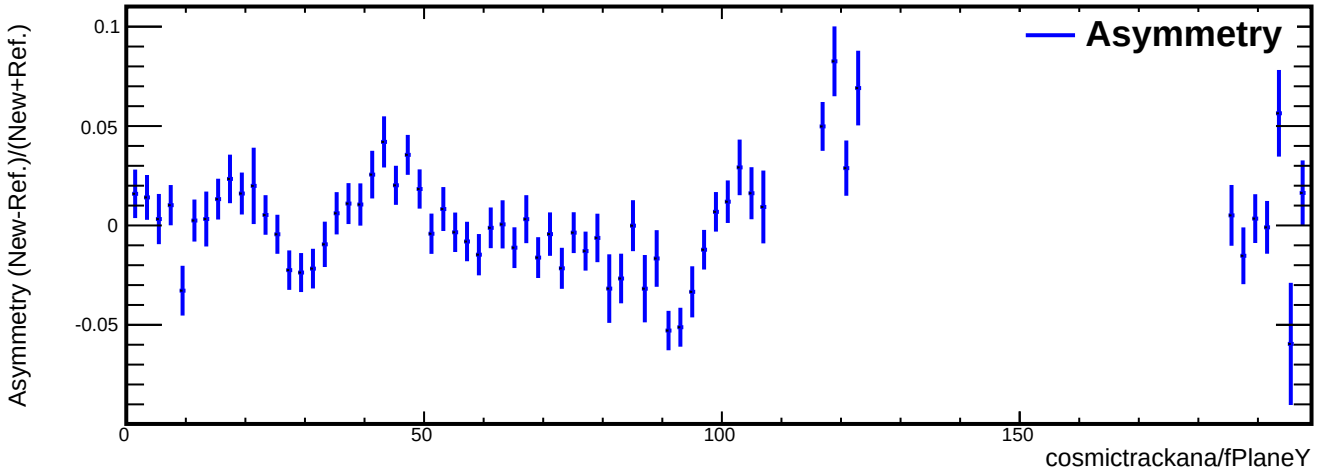

2013-11-23
2013-11-24
KS 0.000236652, chi2 0
120
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

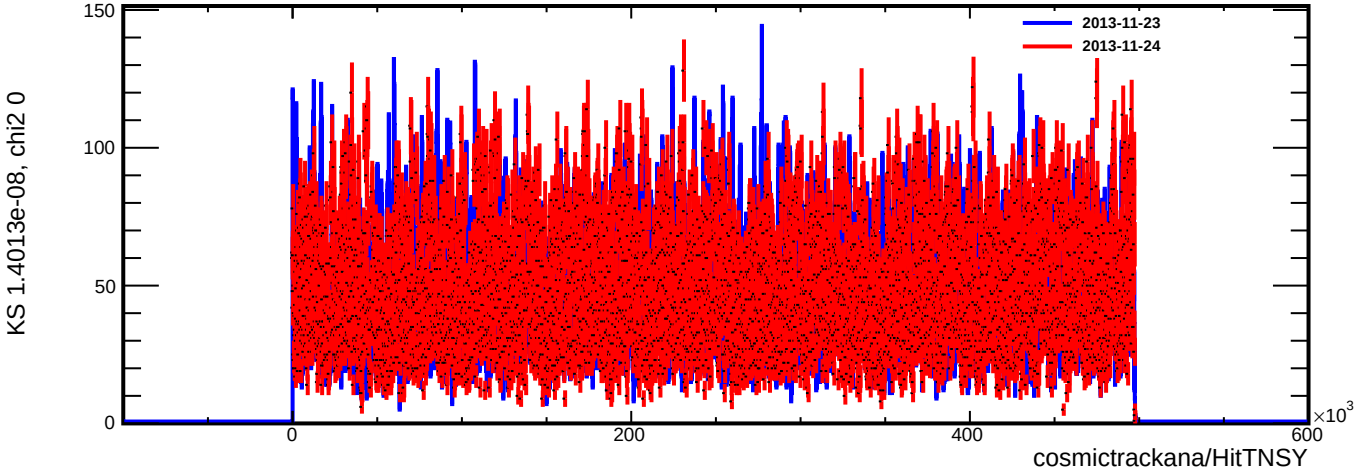

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX

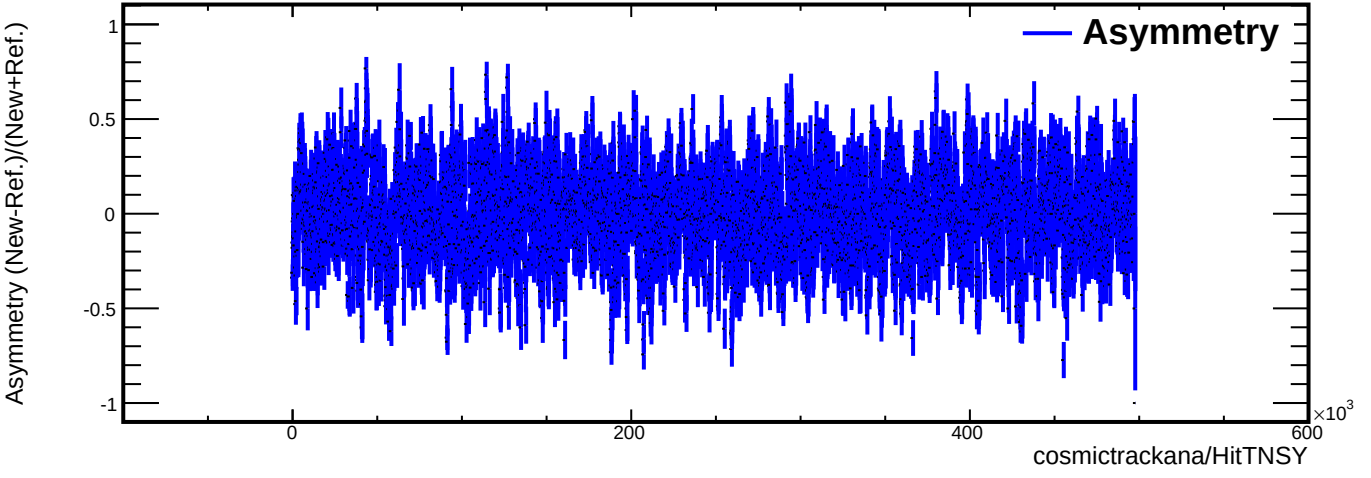

KS 0.0194437, chi2 0.957603
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY
2013-11-23
2013-11-24


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


KS 0.000273738, chi2 1.64072e-22
2013-11-23
2013-11-24
cosmictrackana/fPlaneY


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


KS 1.4013e-08, chi2 0
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY
2013-11-23
2013-11-24


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