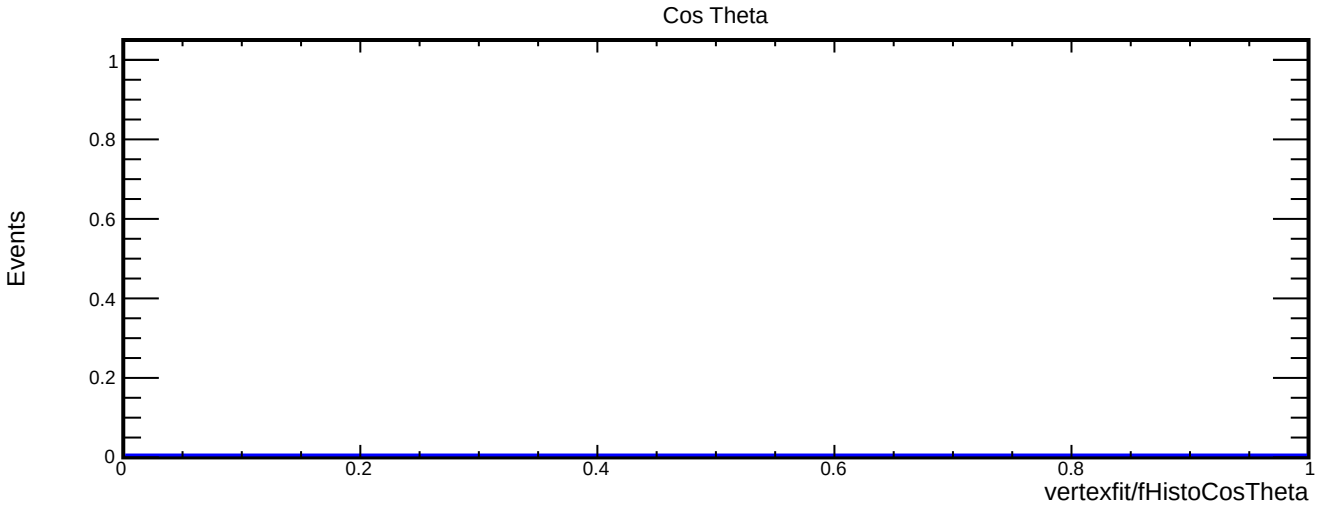
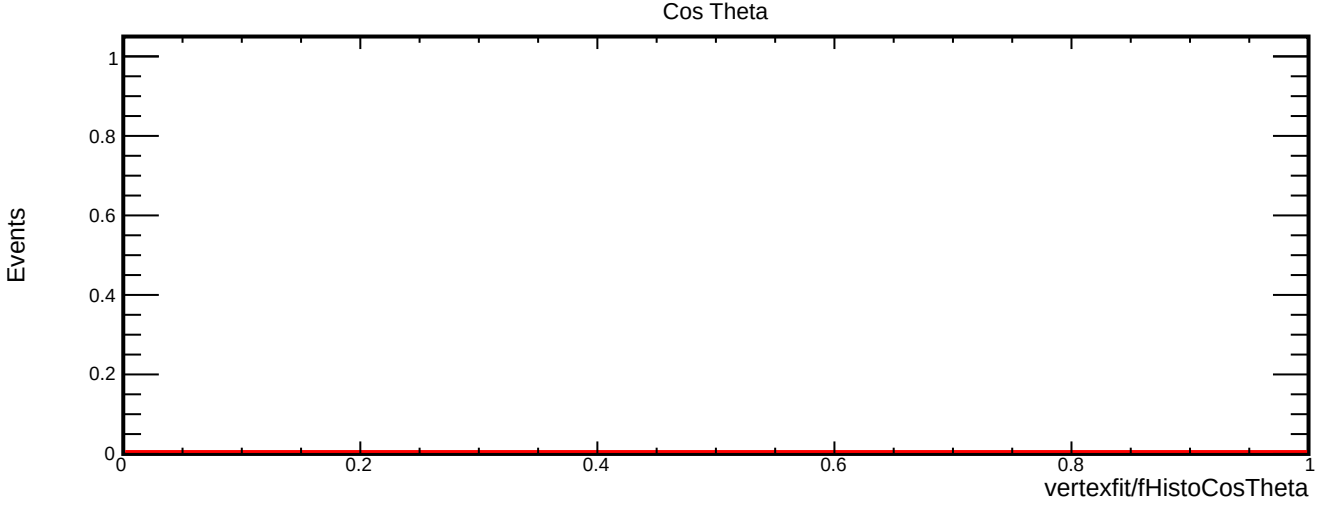
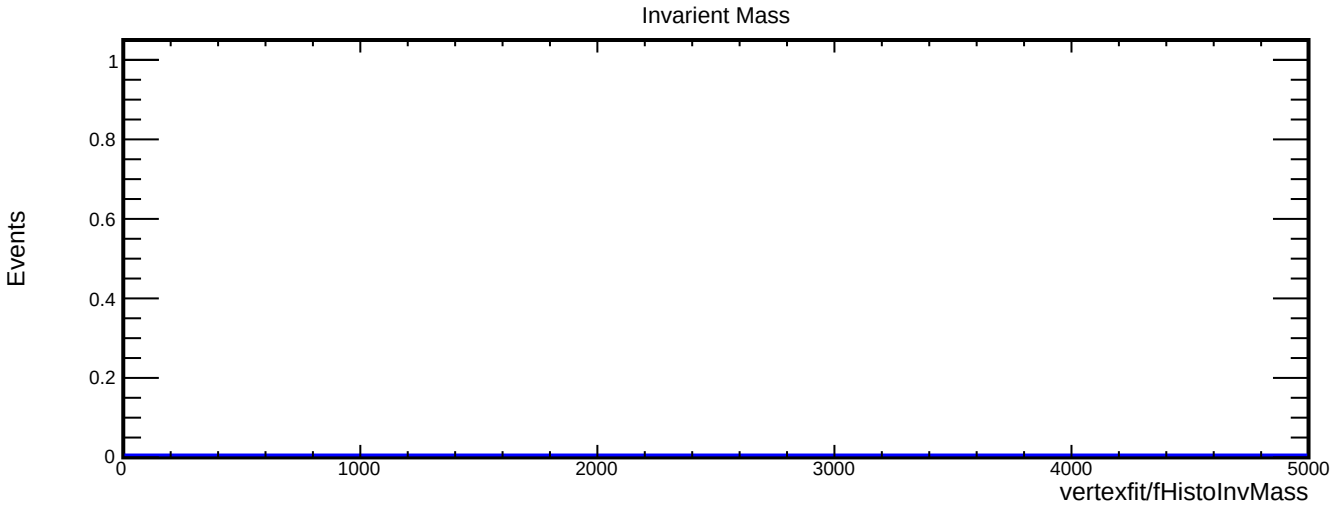
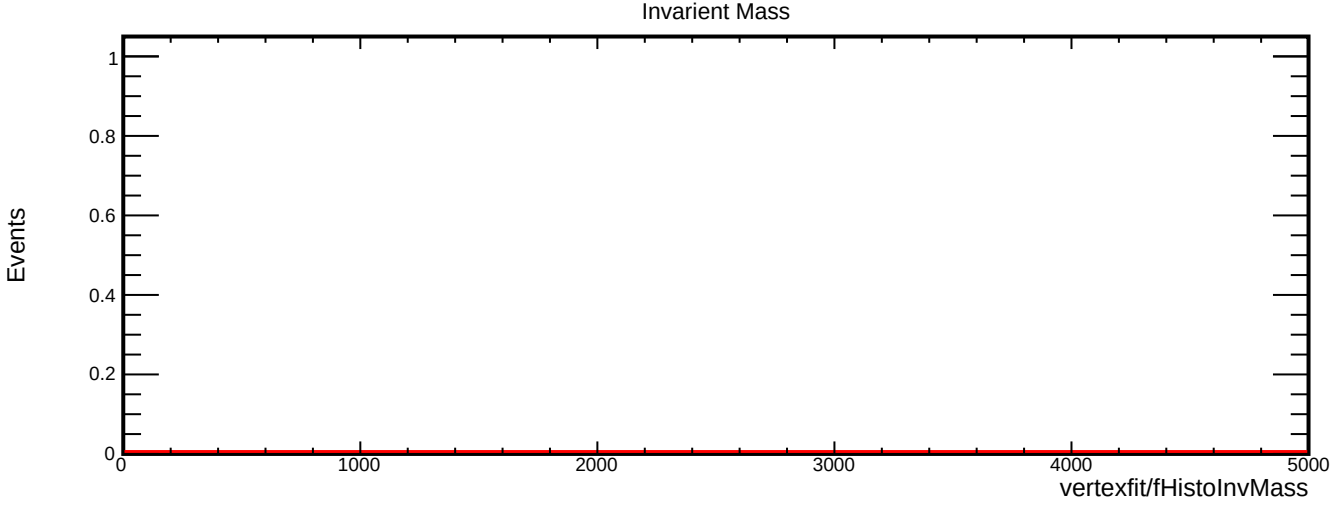
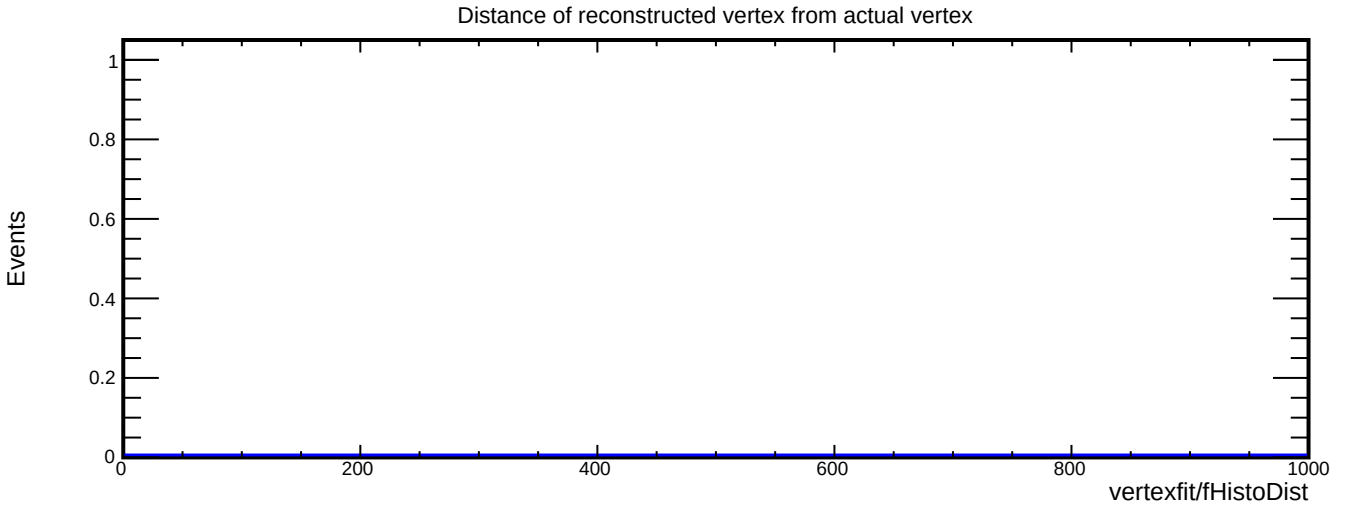
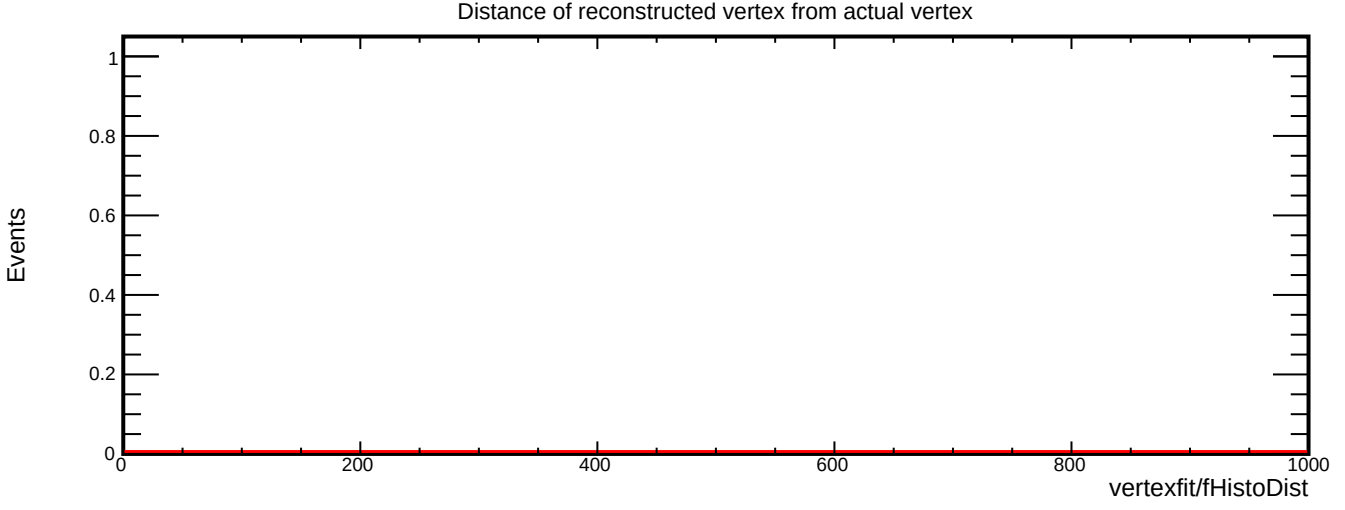

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

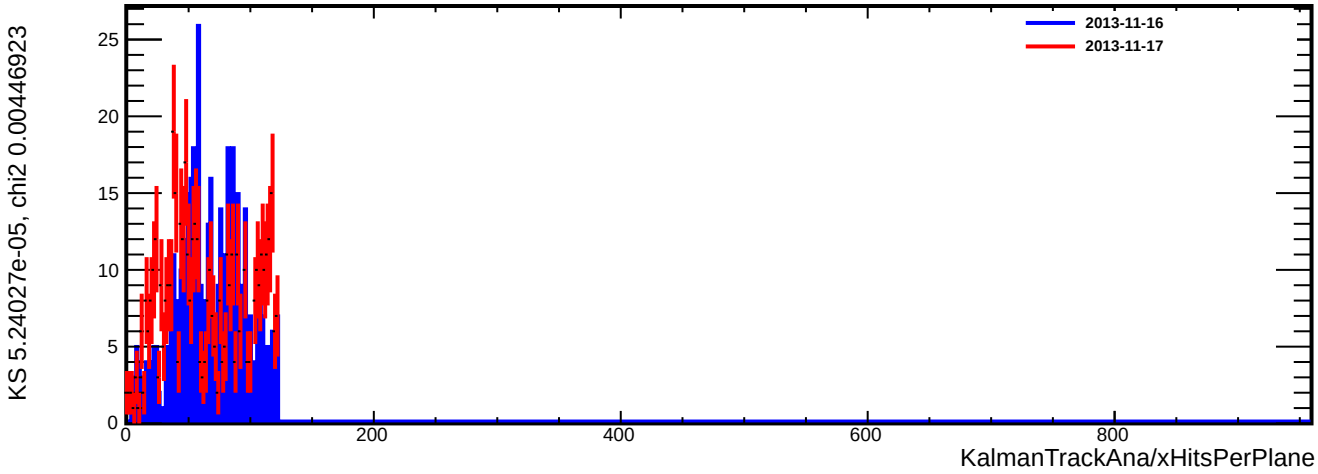

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

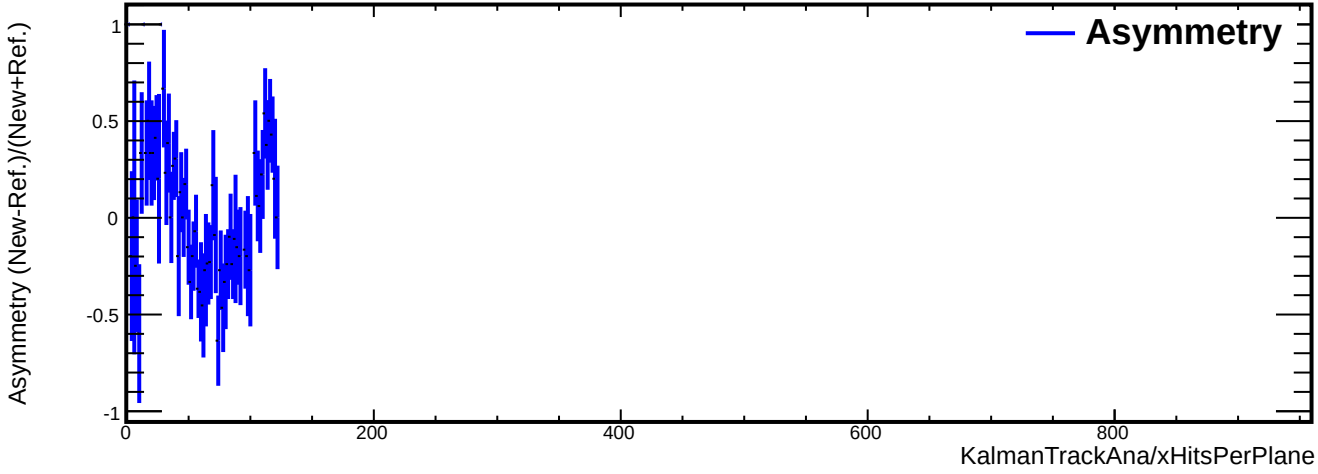

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

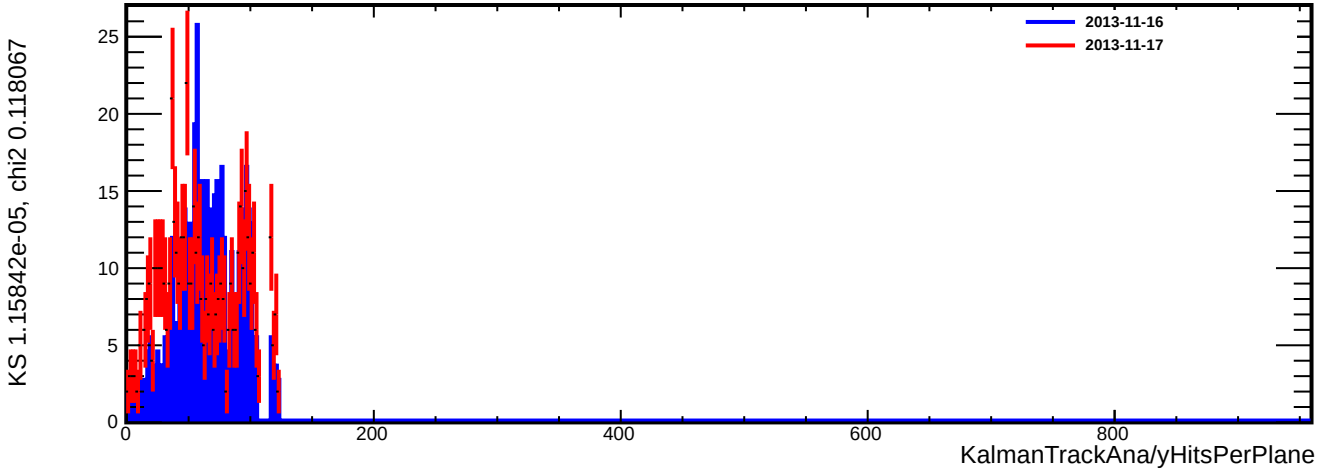

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

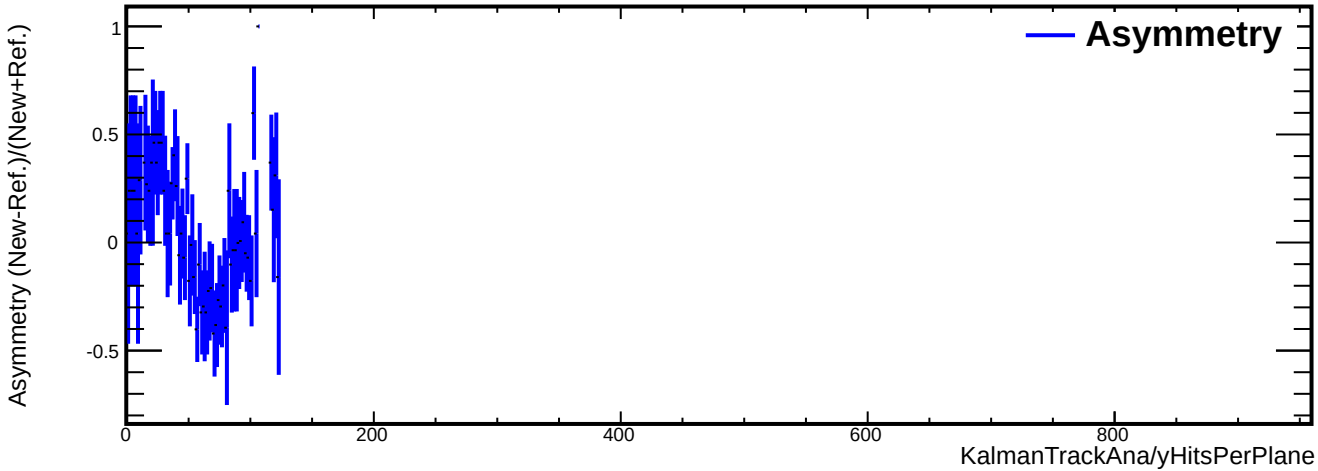

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

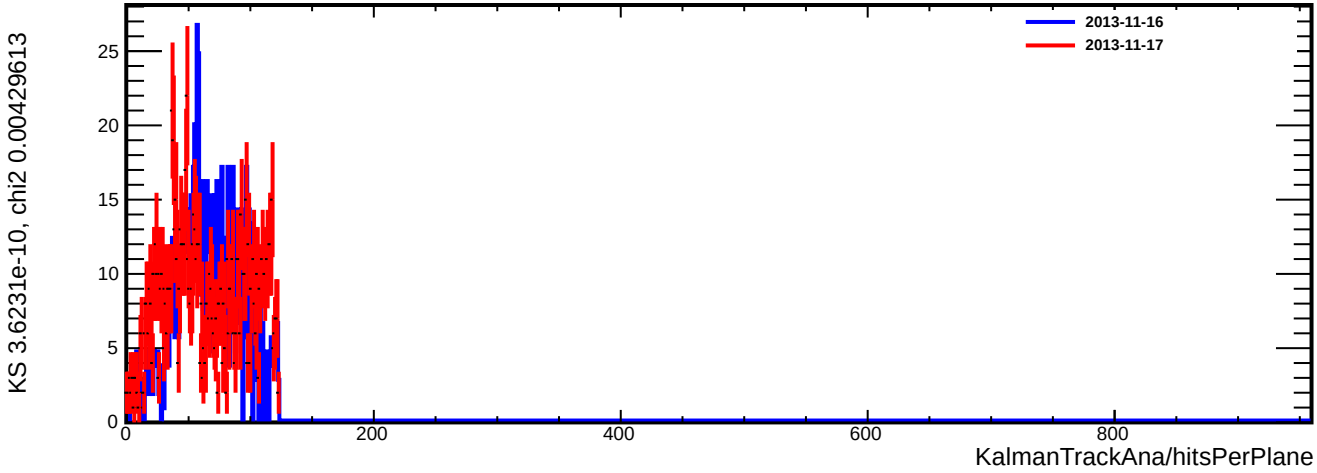

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

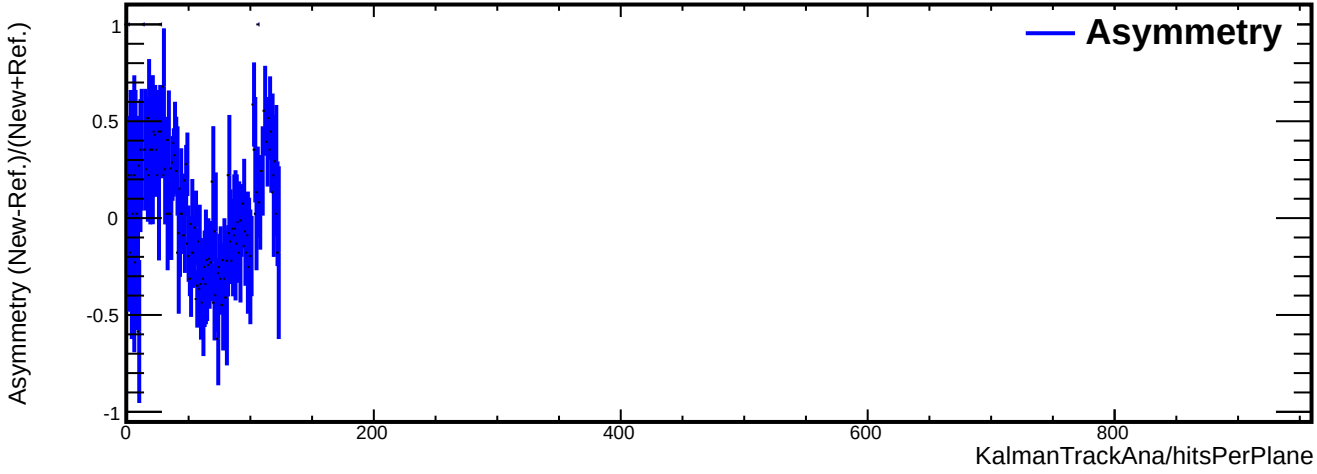

KS 5.24027e-05, chi2 0.00446923
2013-11-16
2013-11-17
0
5
10
15
20
25
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

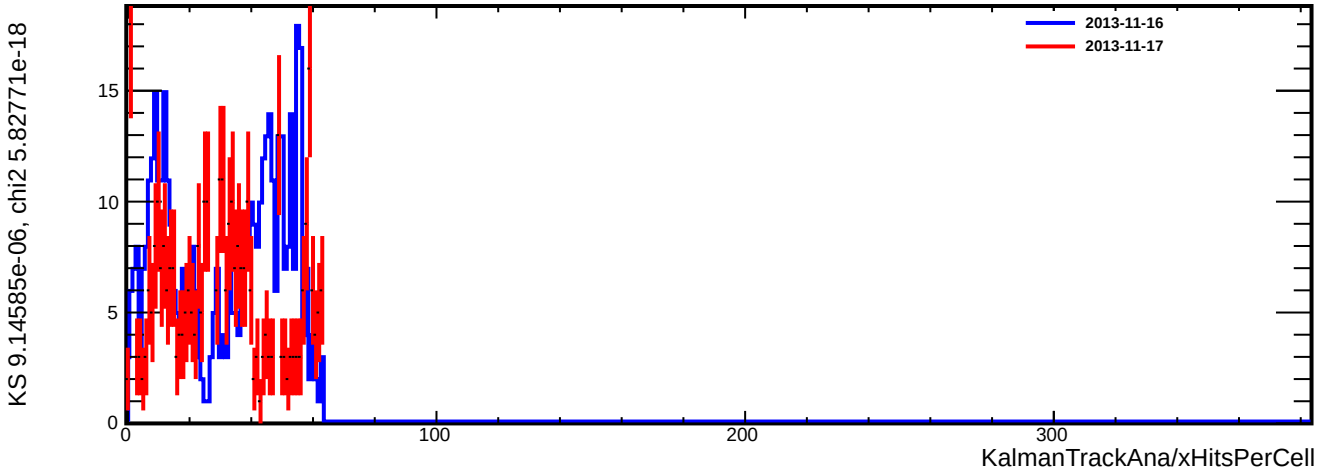

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

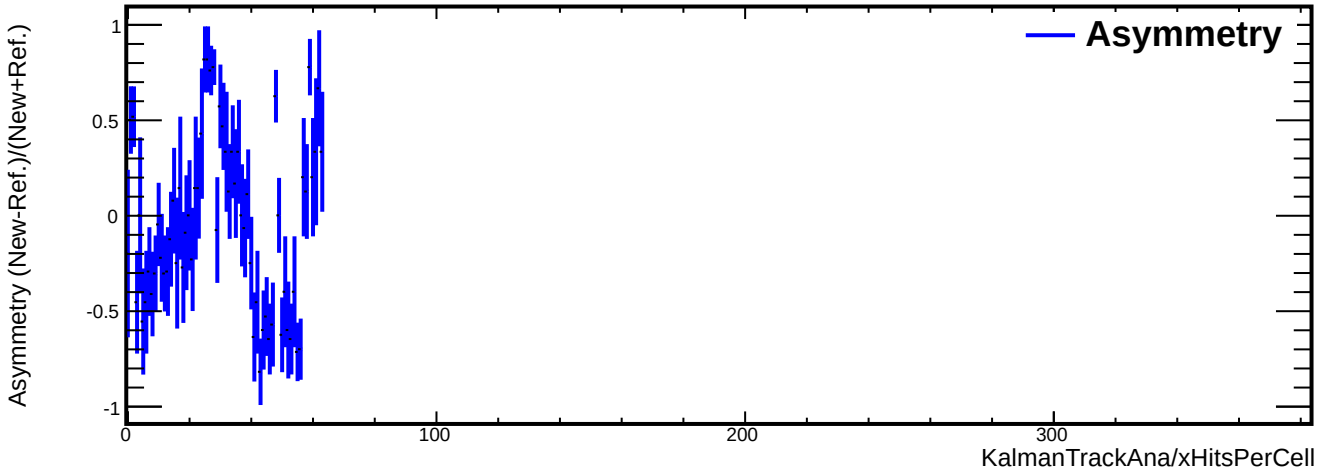

KS 1.15842e-05, chi2 0.118067
2013-11-16
2013-11-17
0
5
10
15
20
25
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

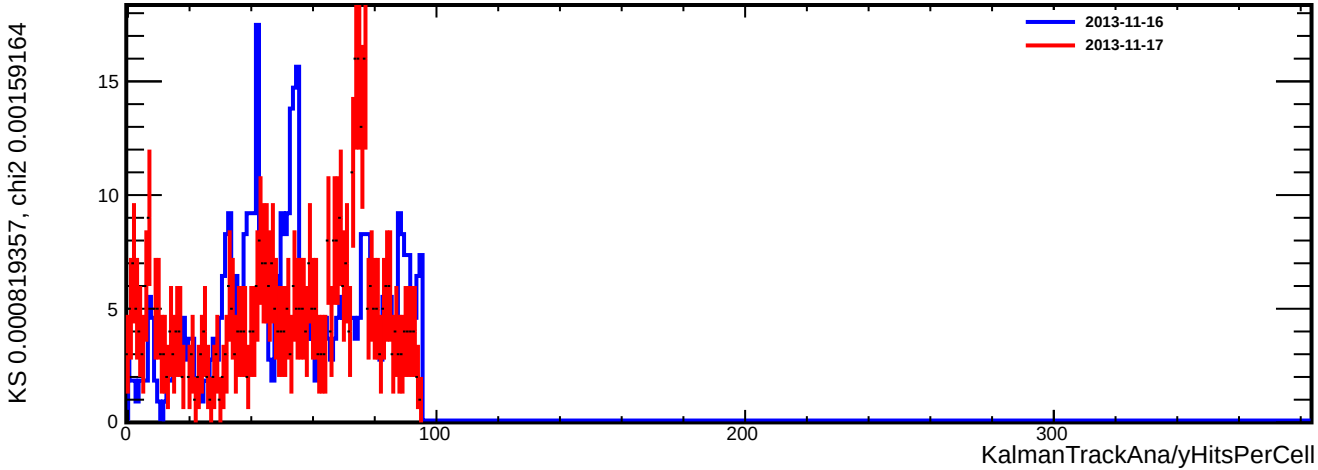

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

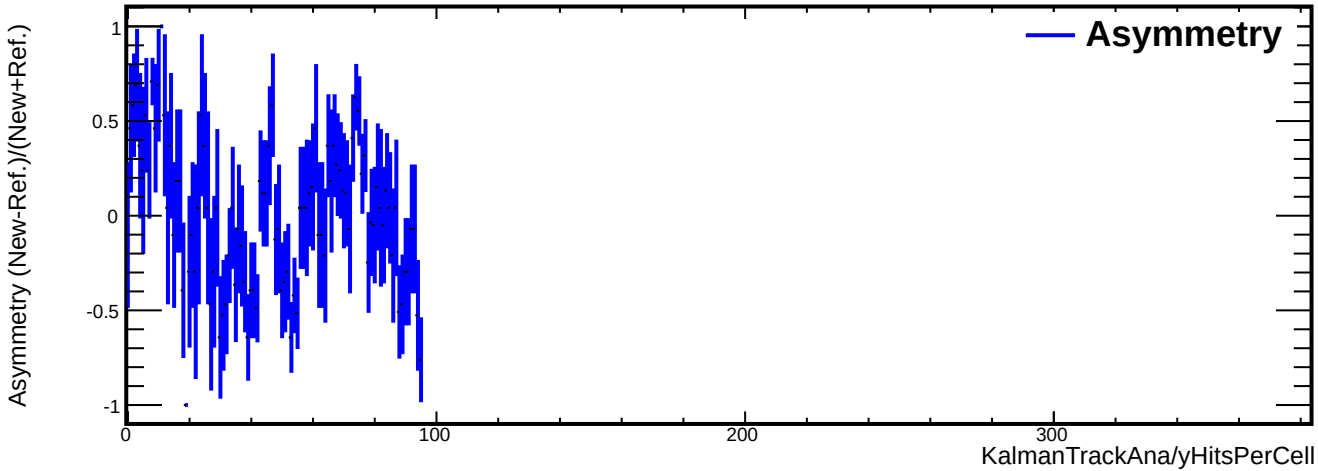

KS 3.6231e-10, chi2 0.00429613
2013-11-16
2013-11-17
0
5
10
15
20
25
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

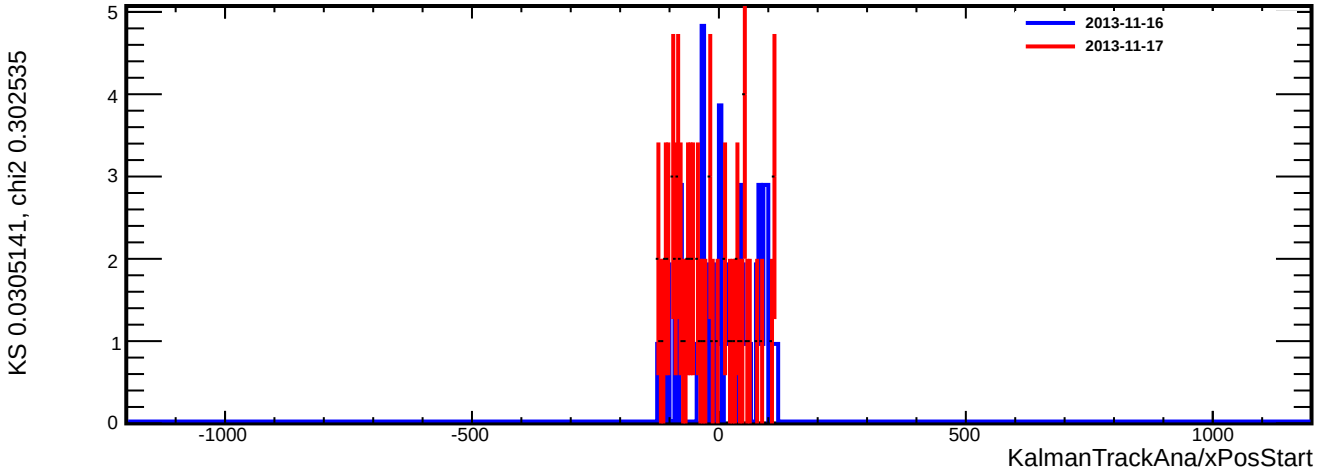

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

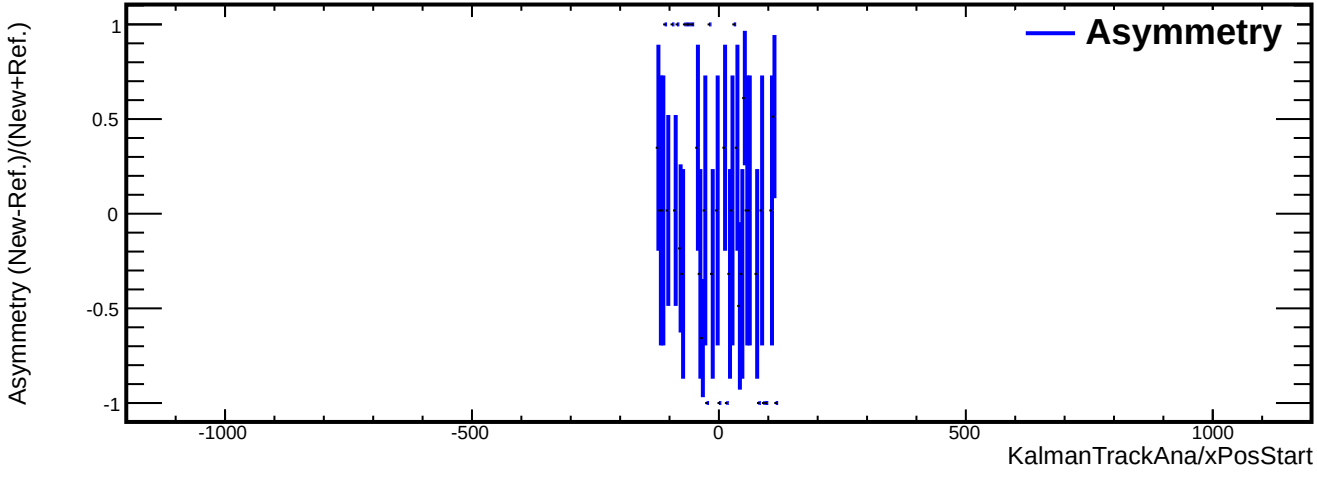

KS 9.14585e-06, chi2 5.82771e-18
2013-11-16
2013-11-17
0
5
10
15
0
100
200
300
KalmanTrackAna/xHitsPerCell

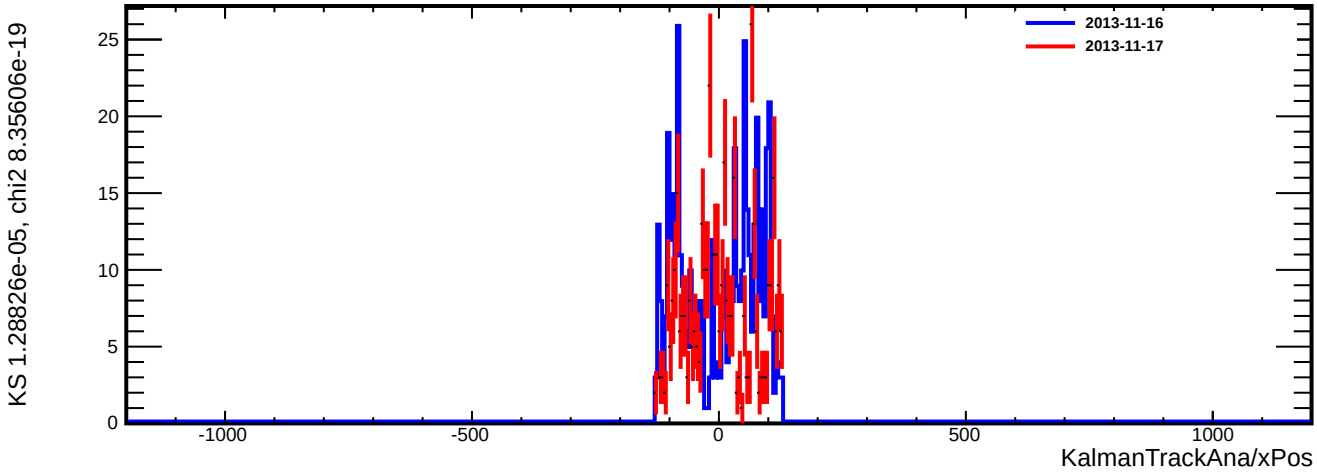

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/xHitsPerCell

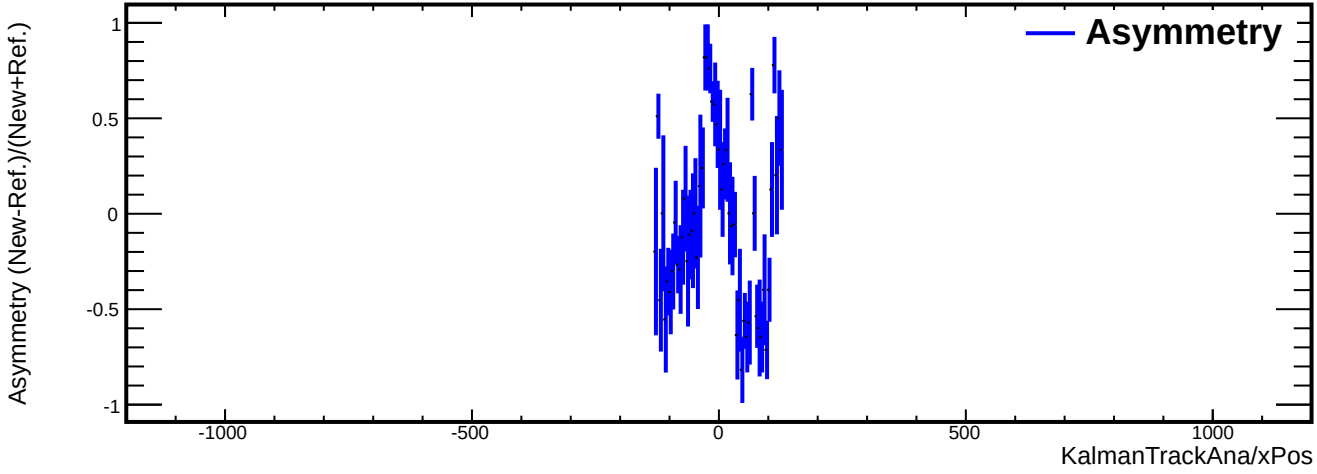

KS 0.000819357, chi2 0.00159164
2013-11-16
2013-11-17
0
5
10
15
0
100
200
300
KalmanTrackAna/yHitsPerCell

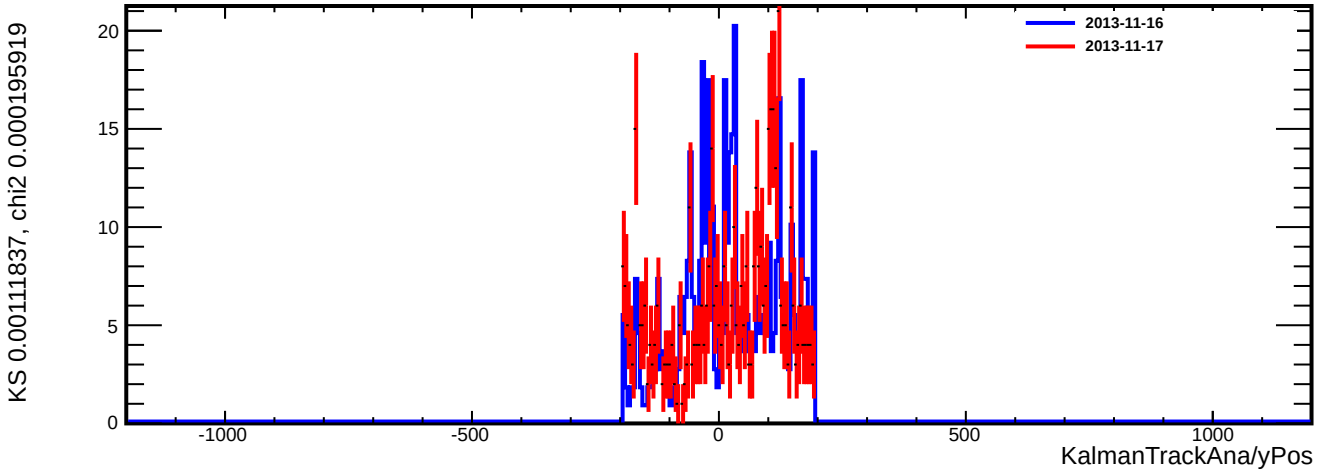

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

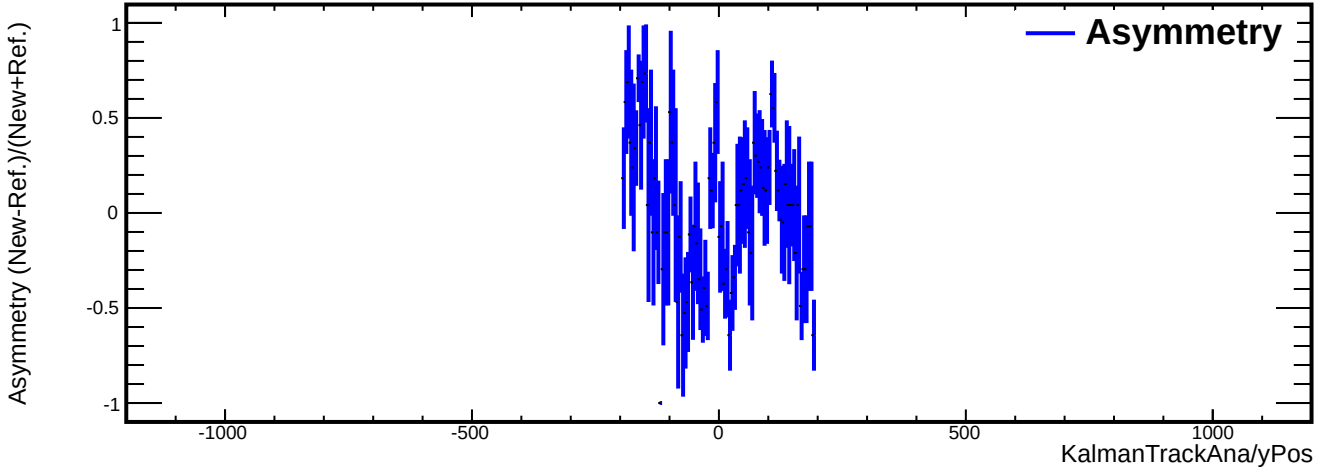

KS 0.0305141, chi2 0.302535
2013-11-16
2013-11-17
KalmanTrackAna/xPosStart

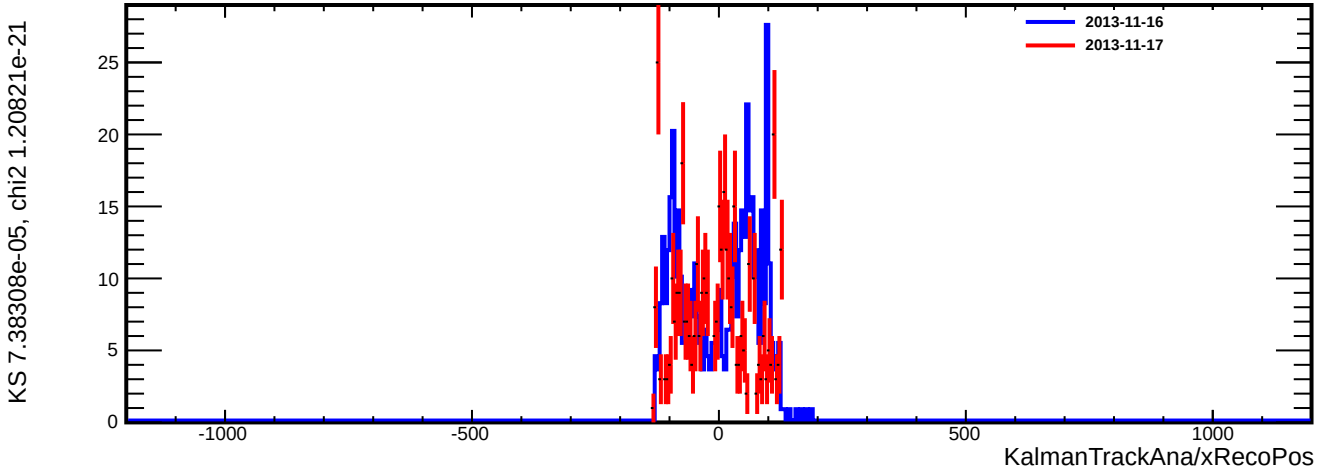

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/xPosStart

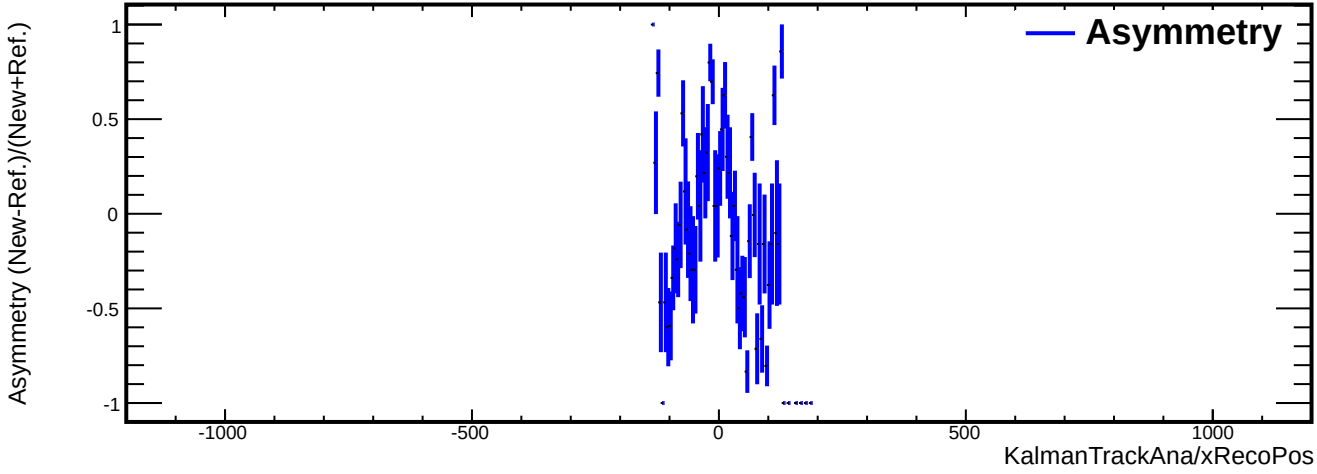

KS 1.28826e-05, chi2 8.35606e-19
2013-11-16
2013-11-17
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos

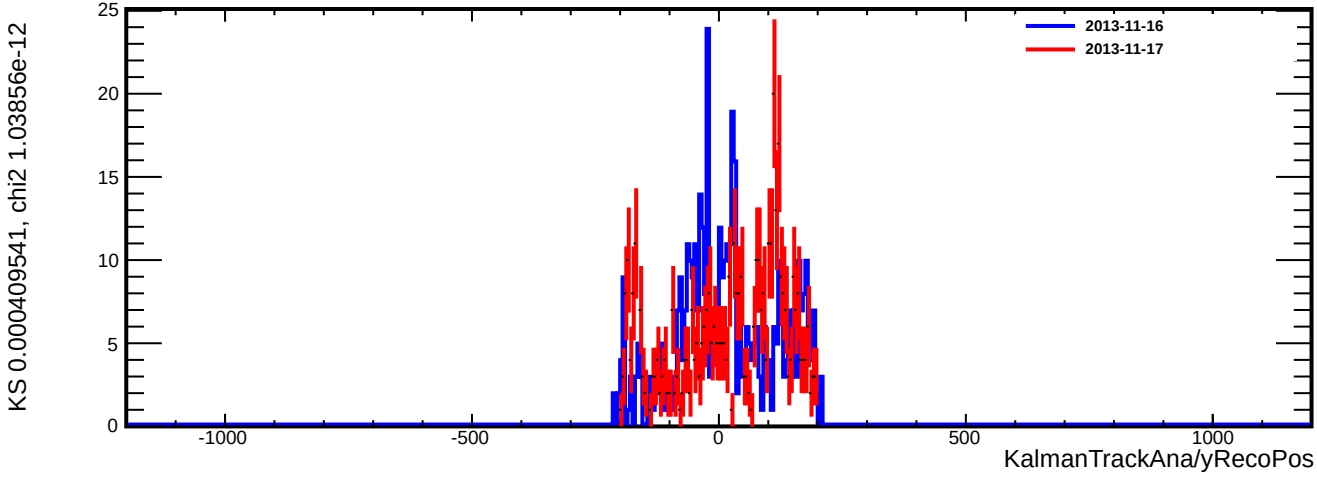

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPos

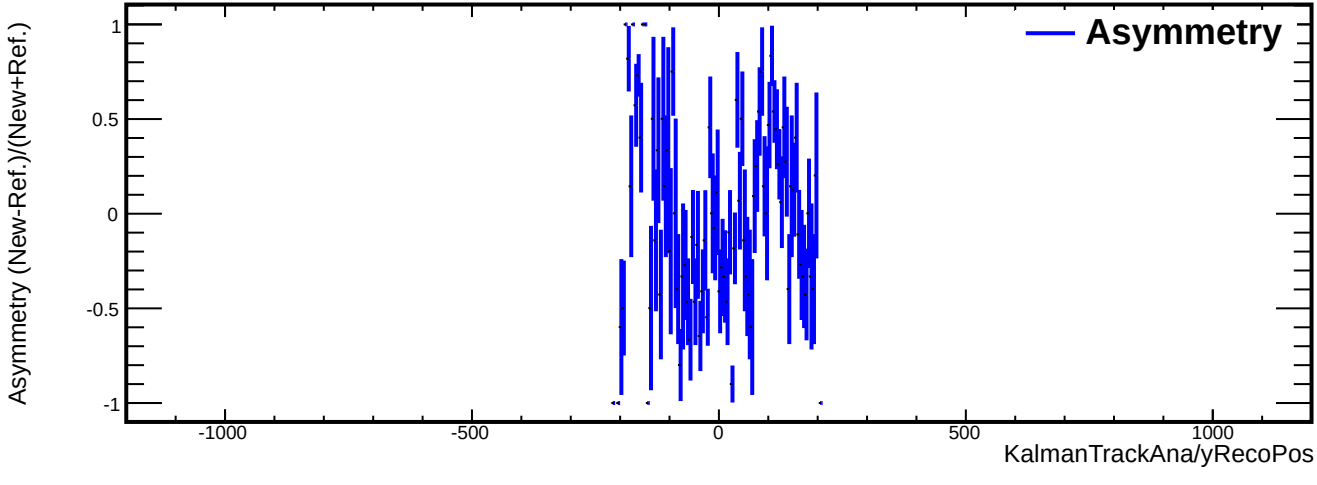

KS 0.00111837, chi2 0.000195919
2013-11-16
2013-11-17
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos

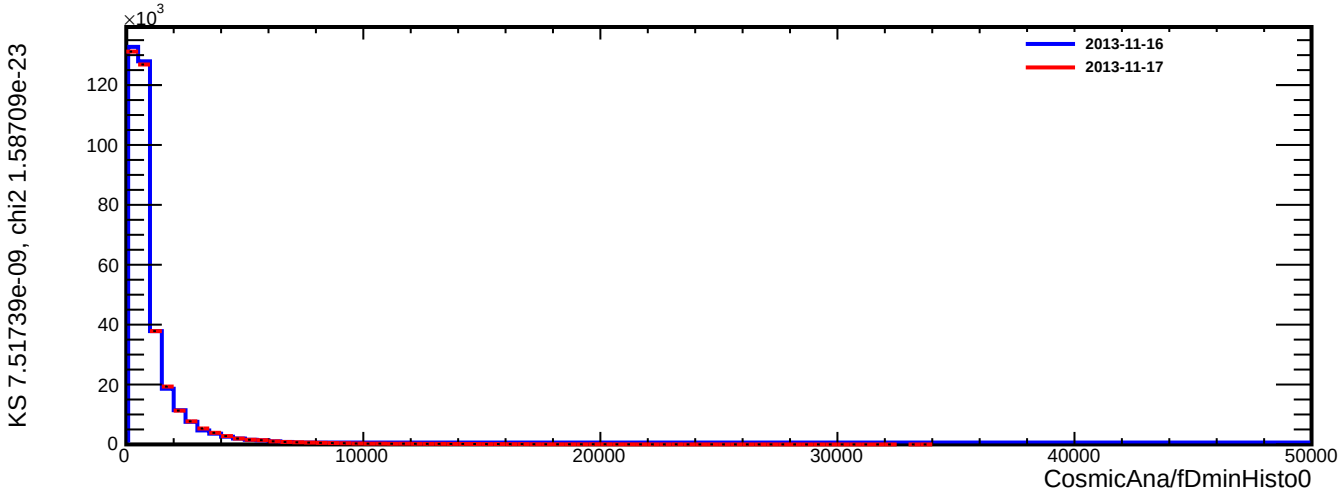

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

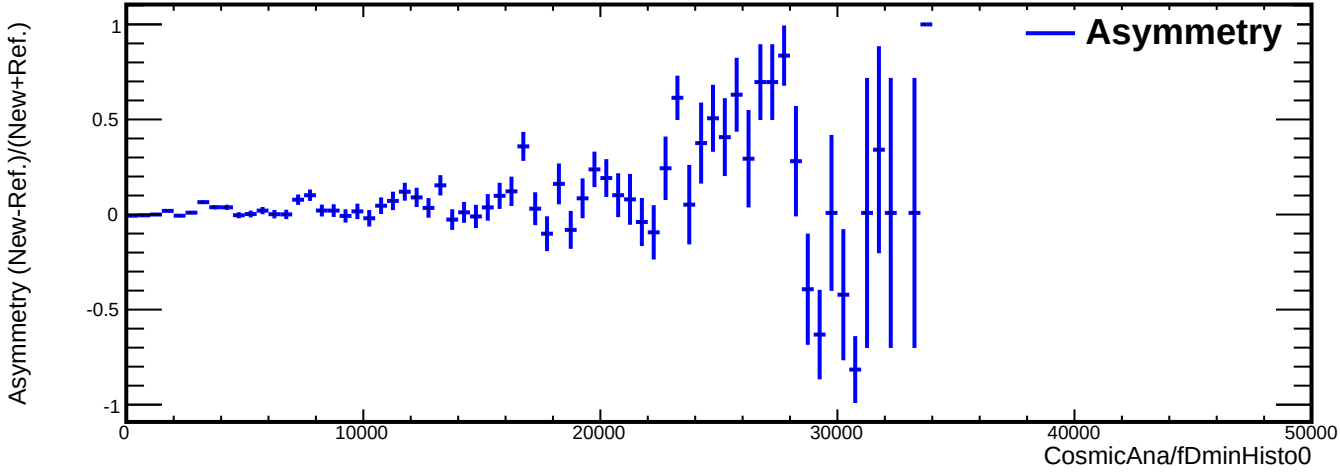

KS 7.38308e-05, chi2 1.20821e-21
2013-11-16
2013-11-17
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

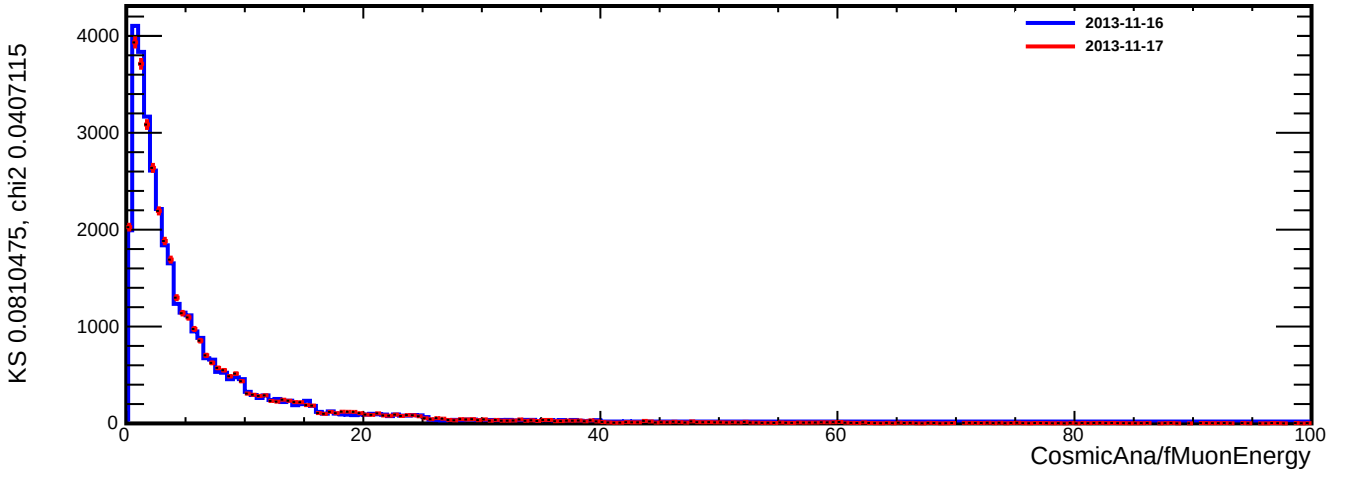

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

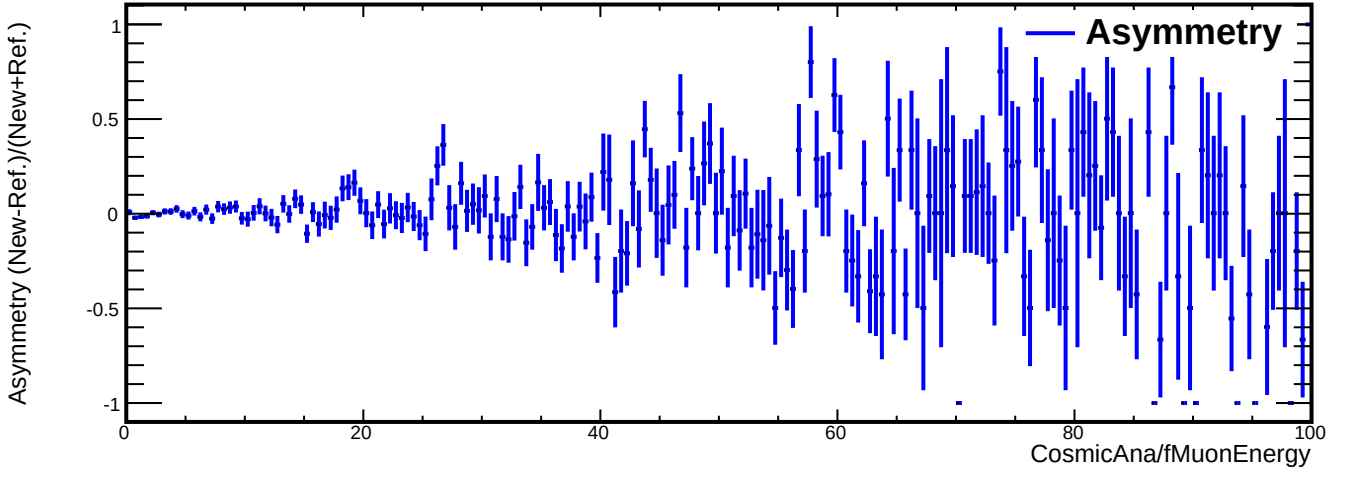

KS 0.000409541, chi2 1.03856e-12
2013-11-16
2013-11-17
KalmanTrackAna/yRecoPos

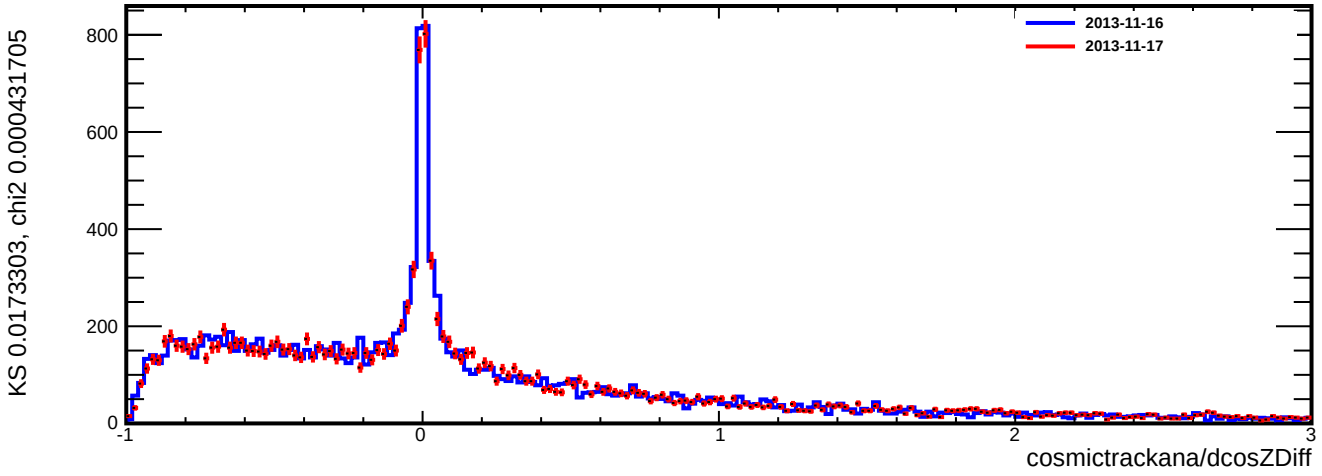

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yRecoPos

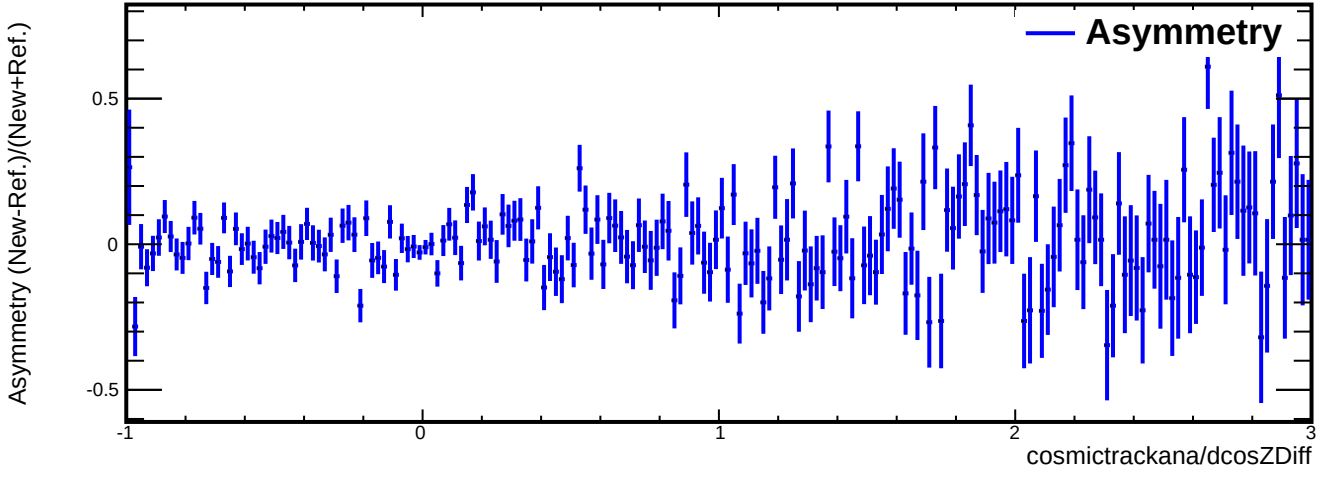

KS 7.51739e-09, chi2 1.58709e-23
×10^3
2013-11-16
2013-11-17
CosmicAna/fDminHisto0

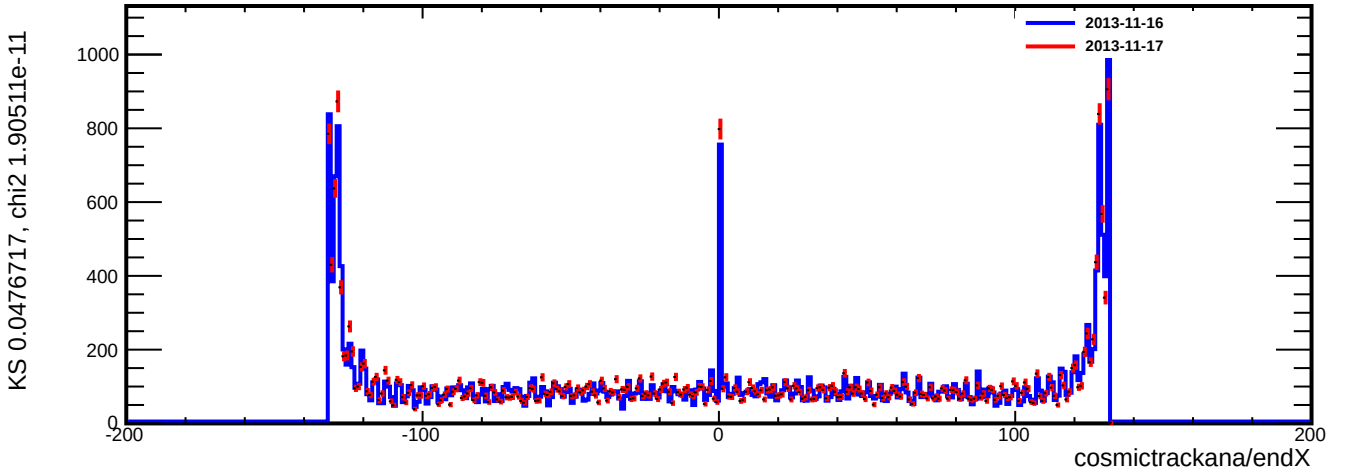

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
CosmicAna/fDminHisto0

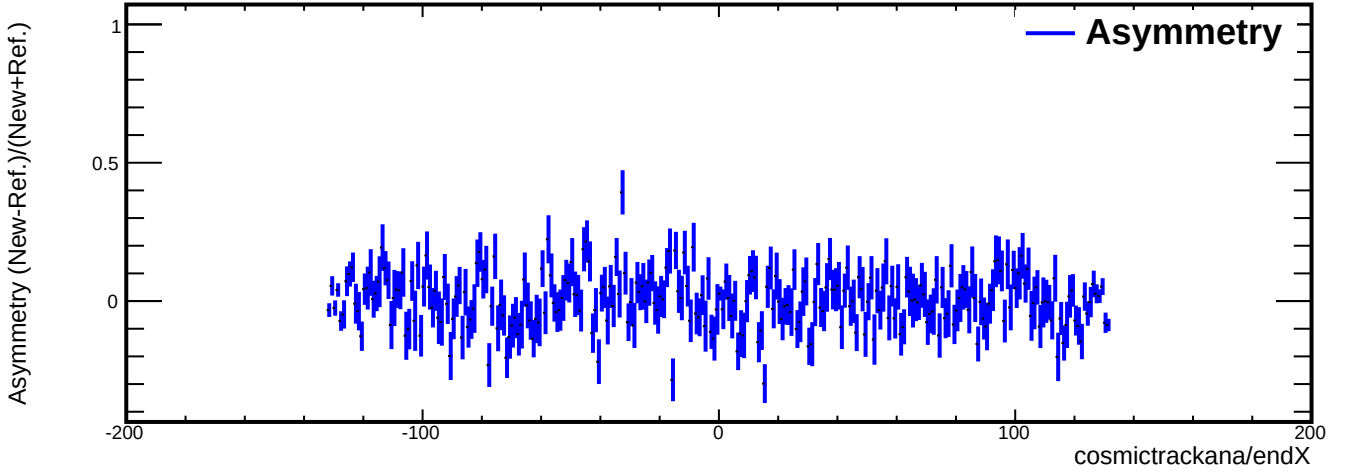

KS 0.0810475, chi2 0.0407115
2013-11-16
2013-11-17
4000
3000
2000
1000
0
0
20
40
60
80
100
CosmicAna/fMuonEnergy

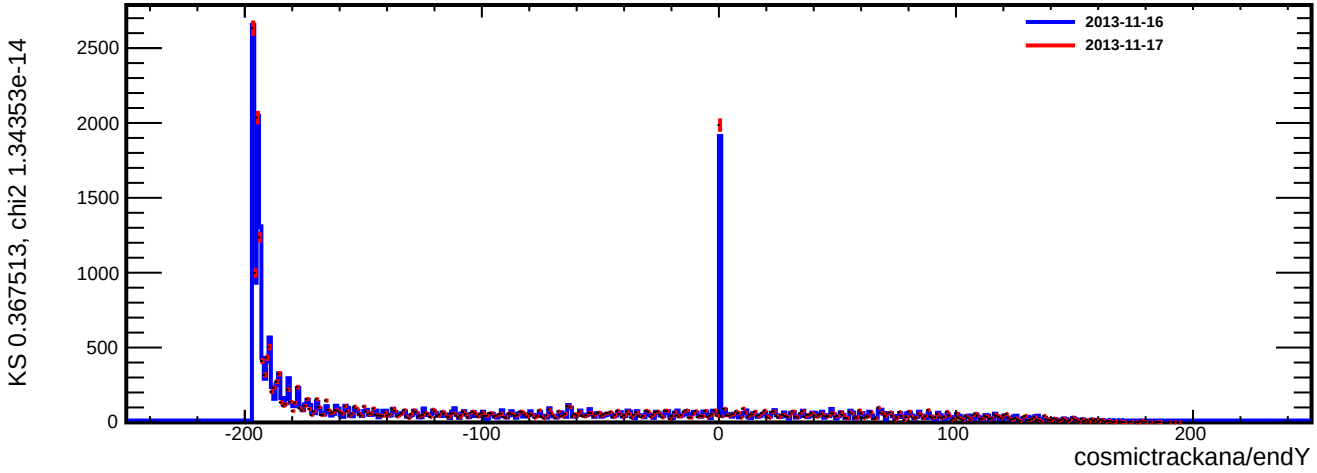

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
20
40
60
80
100
CosmicAna/fMuonEnergy

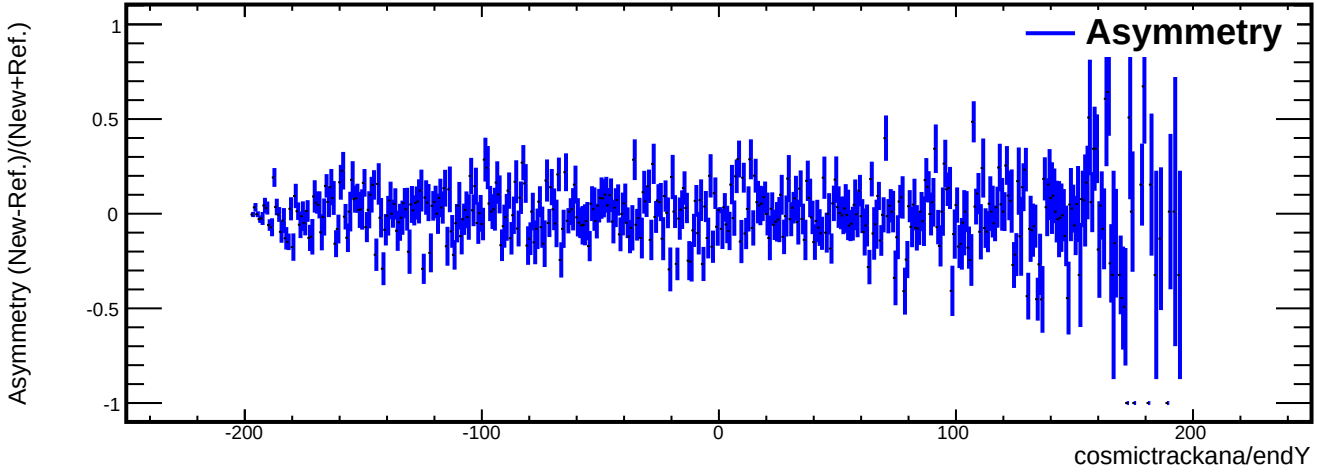

KS 0.0173303, chi2 0.000431705
2013-11-16
2013-11-17
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosZDiff

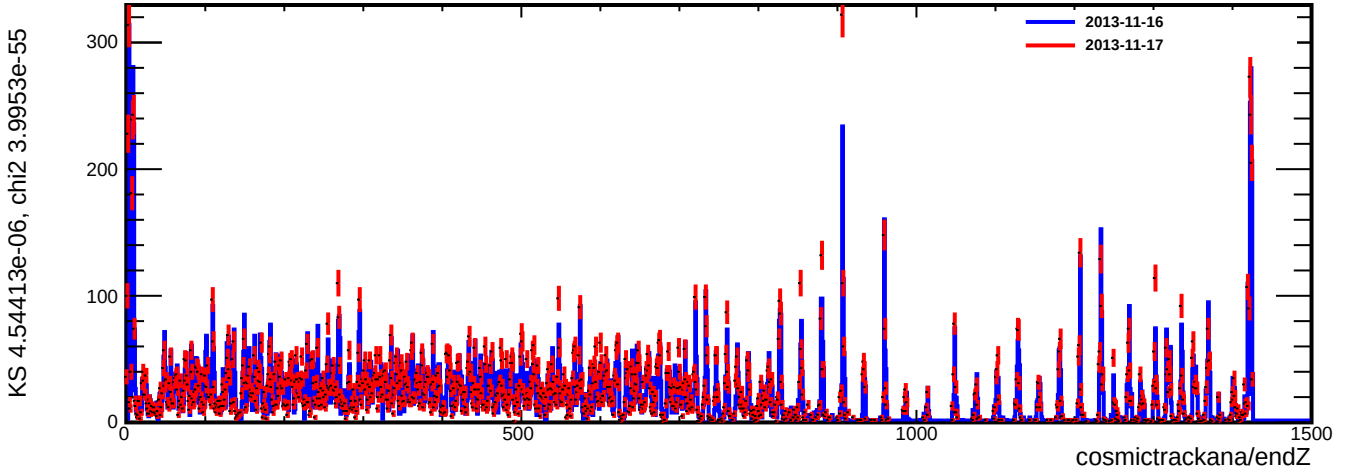

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosZDiff

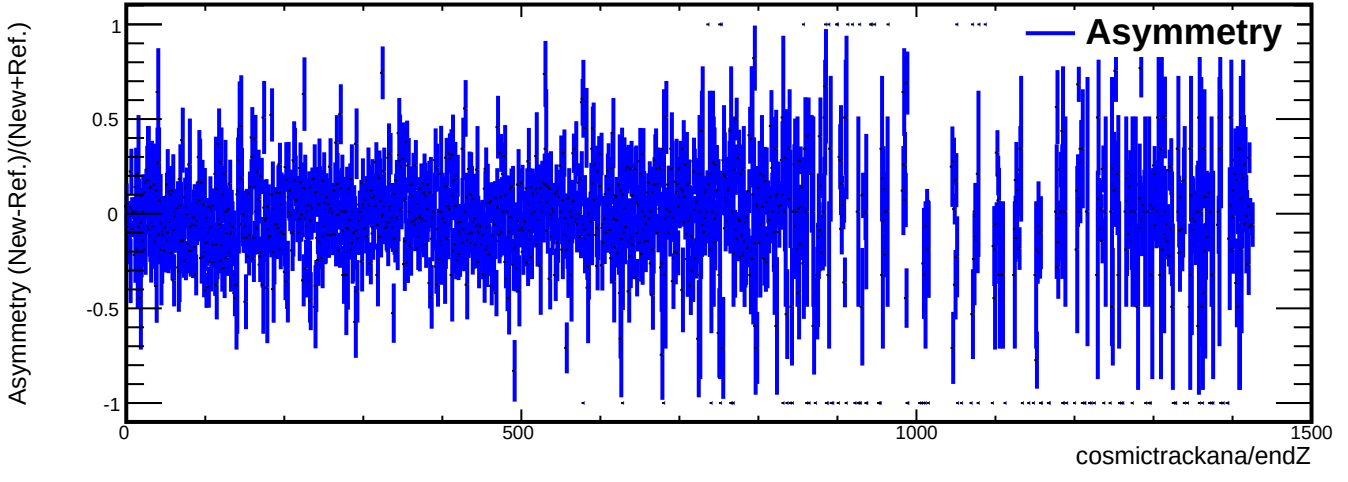

KS 0.0476717, chi2 1.90511e-11
2013-11-16
2013-11-17
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

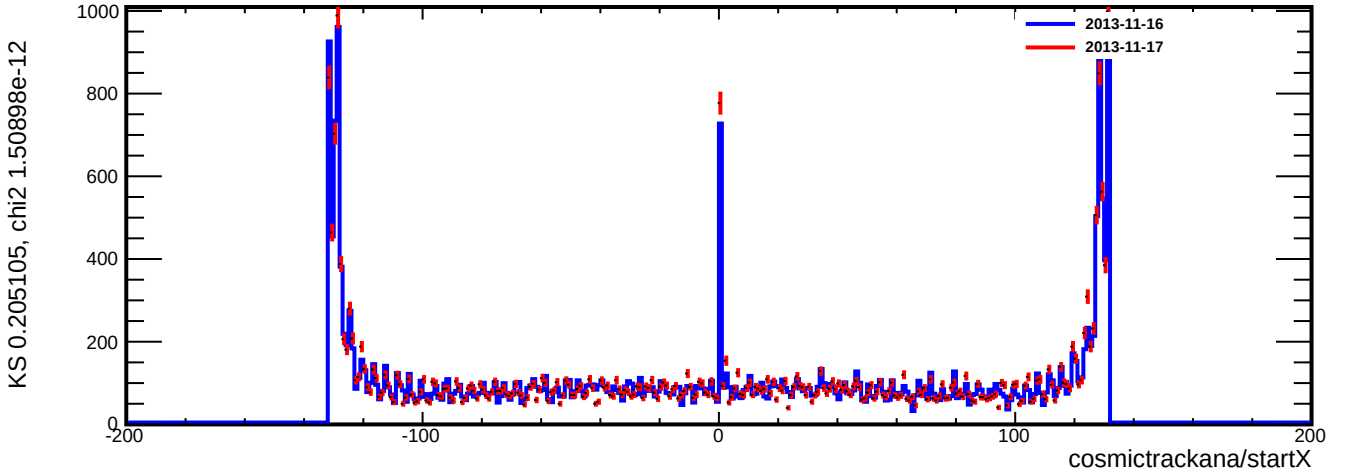

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-200
-100
0
100
200
cosmictrackana/endX

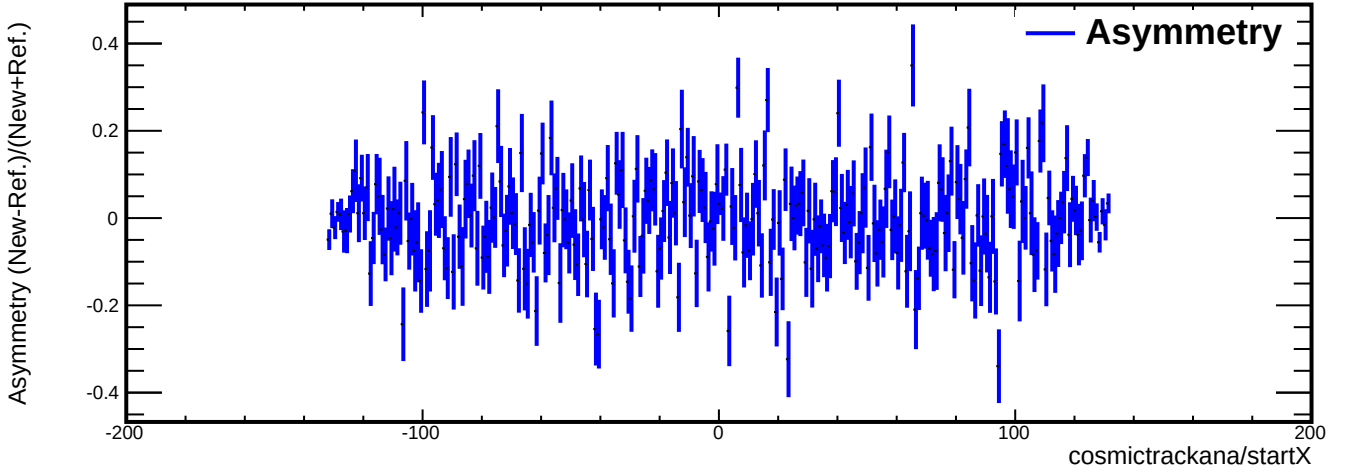

KS 0.367513, chi2 1.34353e-14
2013-11-16
2013-11-17
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

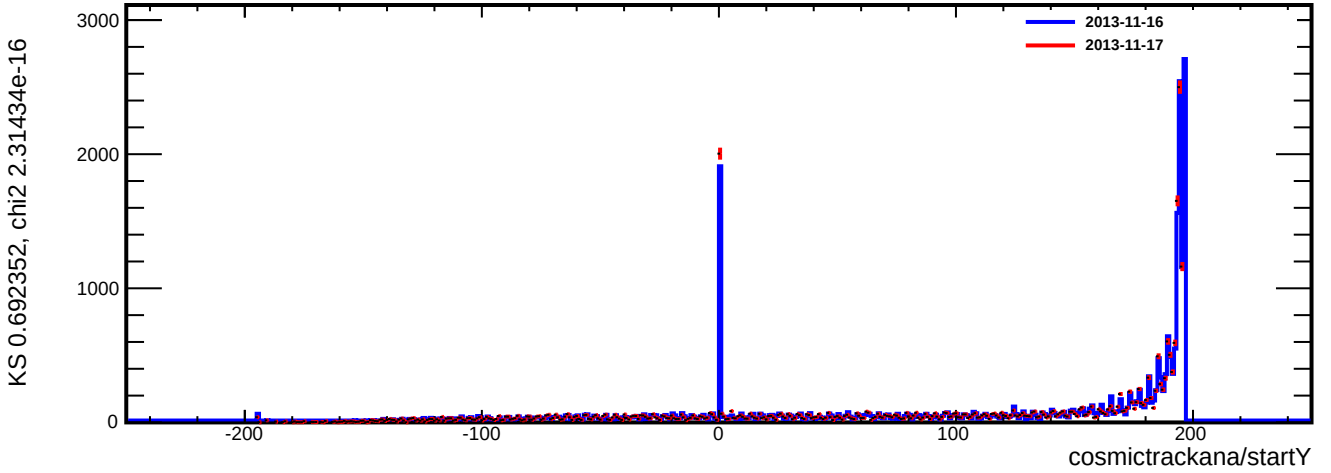

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

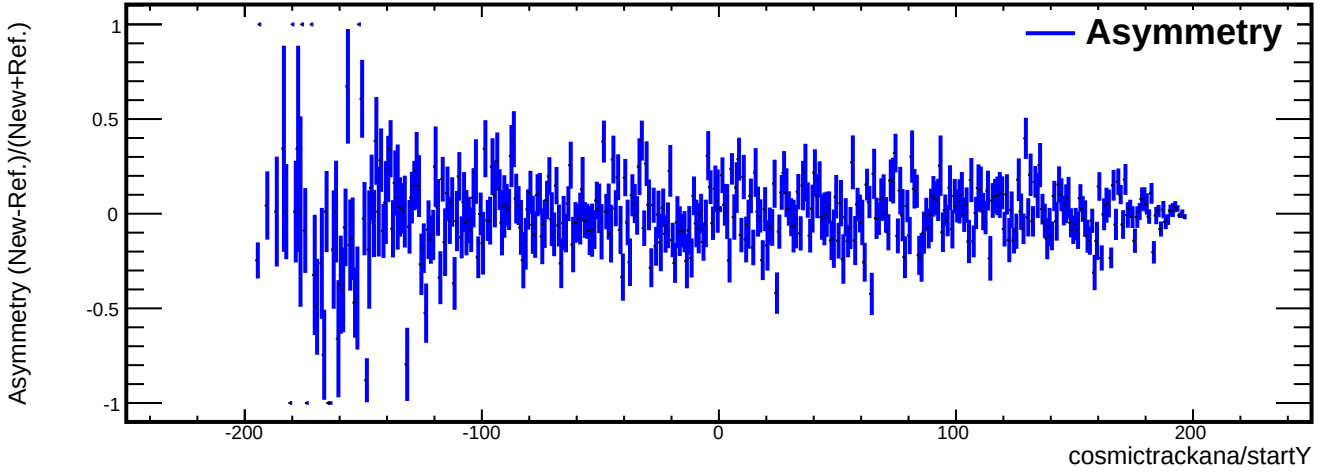

KS 4.54413e-06, chi2 3.9953e-55
2013-11-16
2013-11-17
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

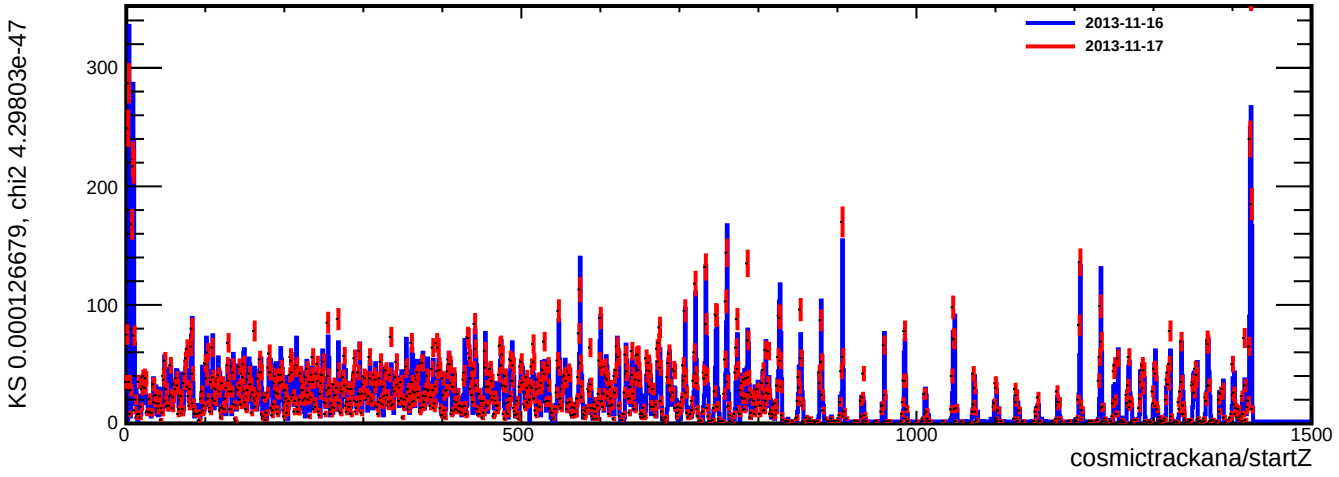

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

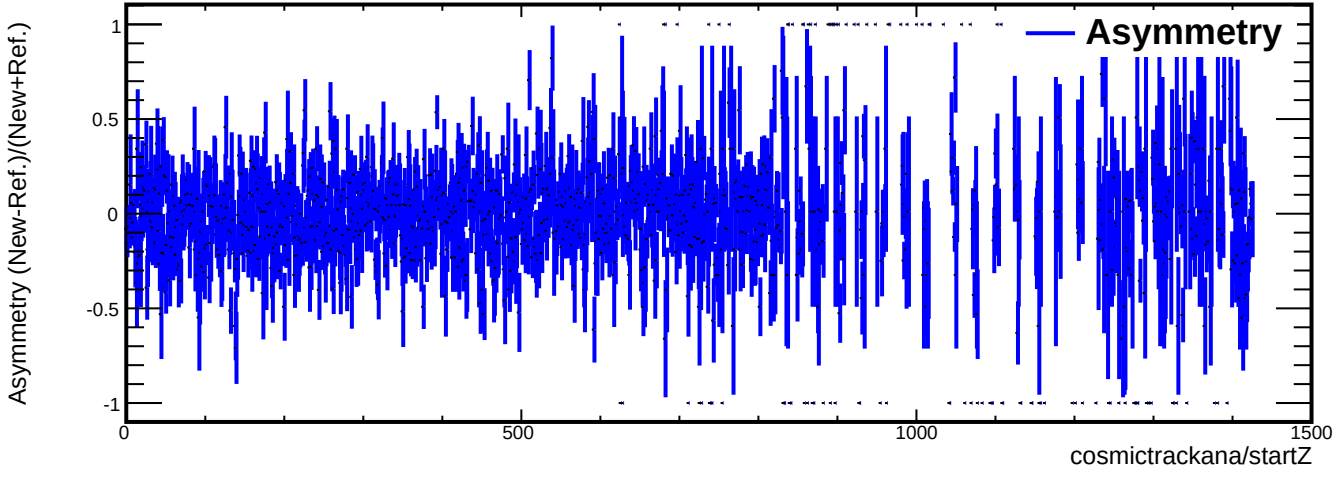

KS 0.205105, chi2 1.50898e-12
2013-11-16
2013-11-17
cosmictrackana/startX

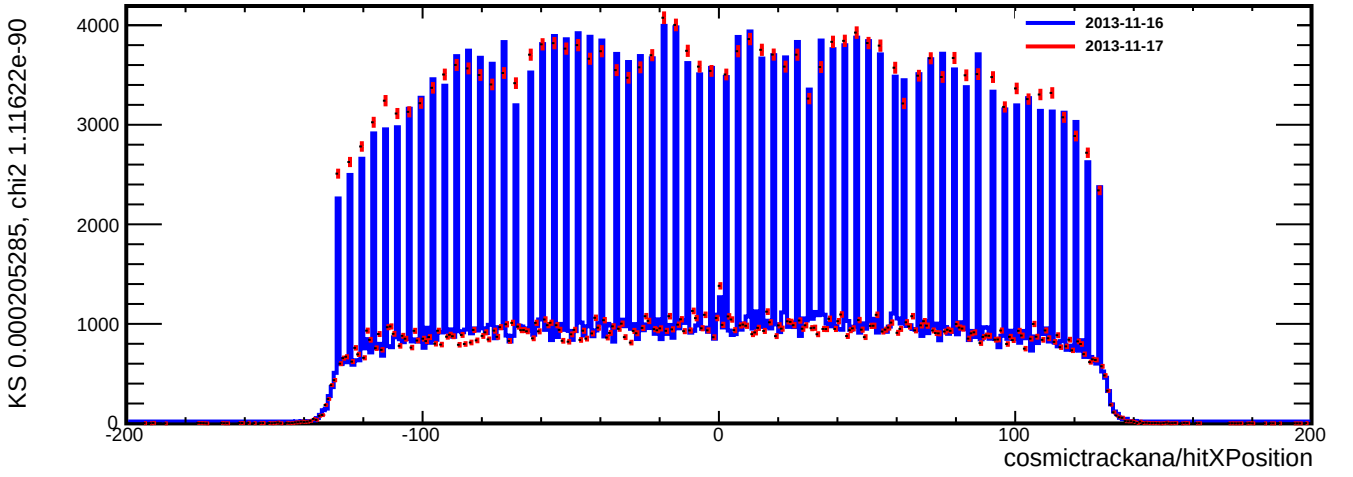

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/startX

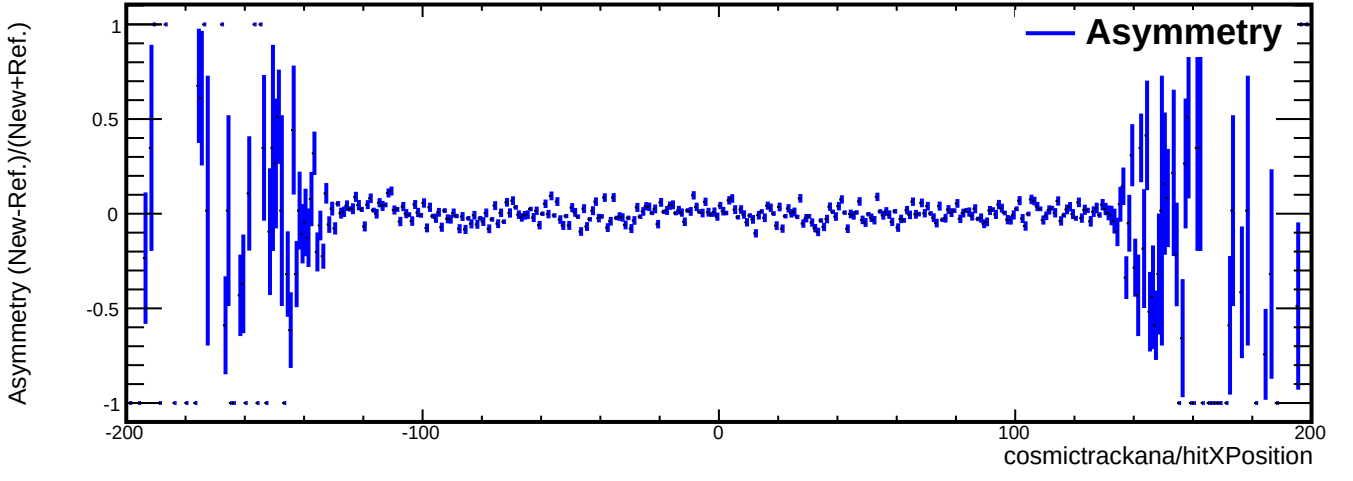

KS 0.692352, chi2 2.31434e-16
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2013-11-16
2013-11-17

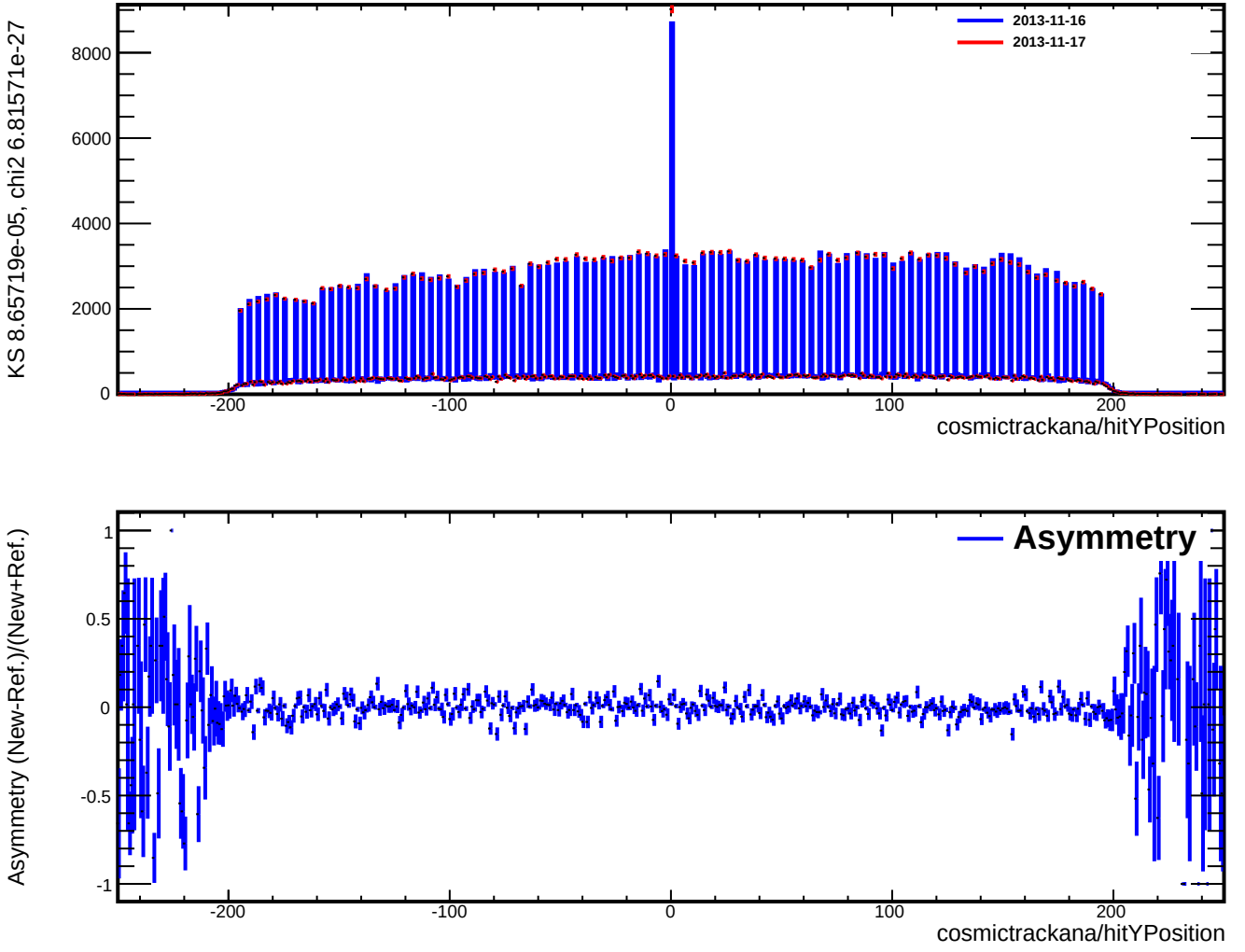

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

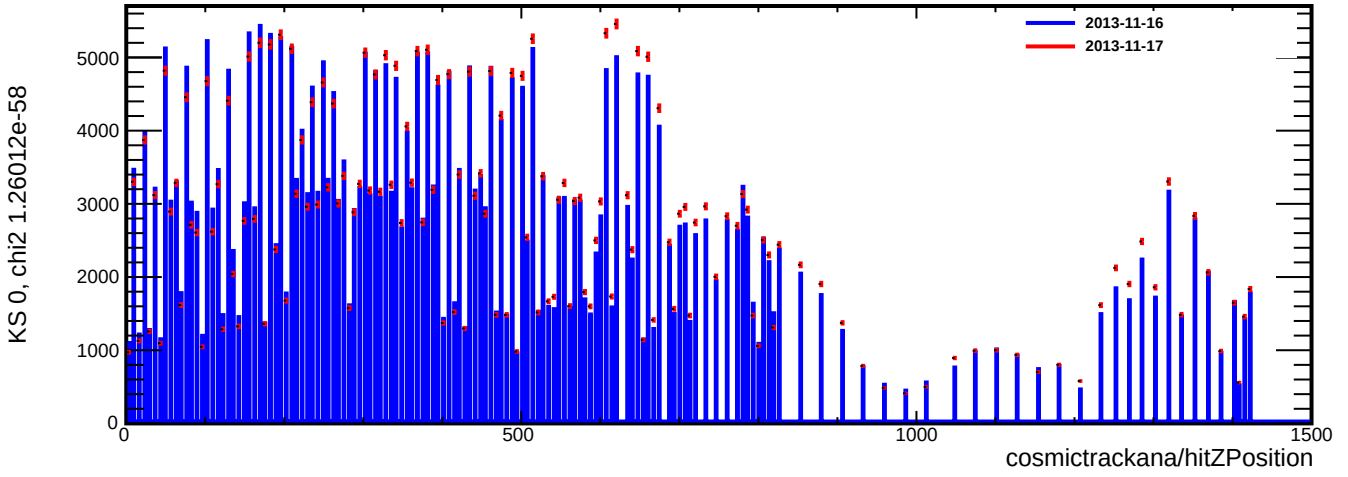

KS 0.000126679, chi2 4.29803e-47
2013-11-16
2013-11-17
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

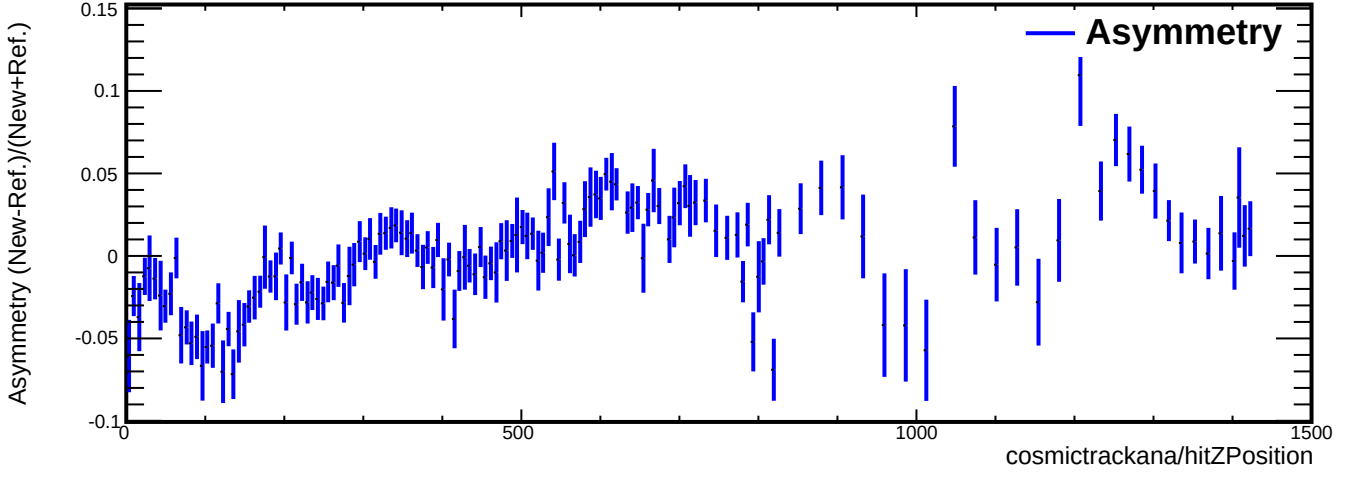

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

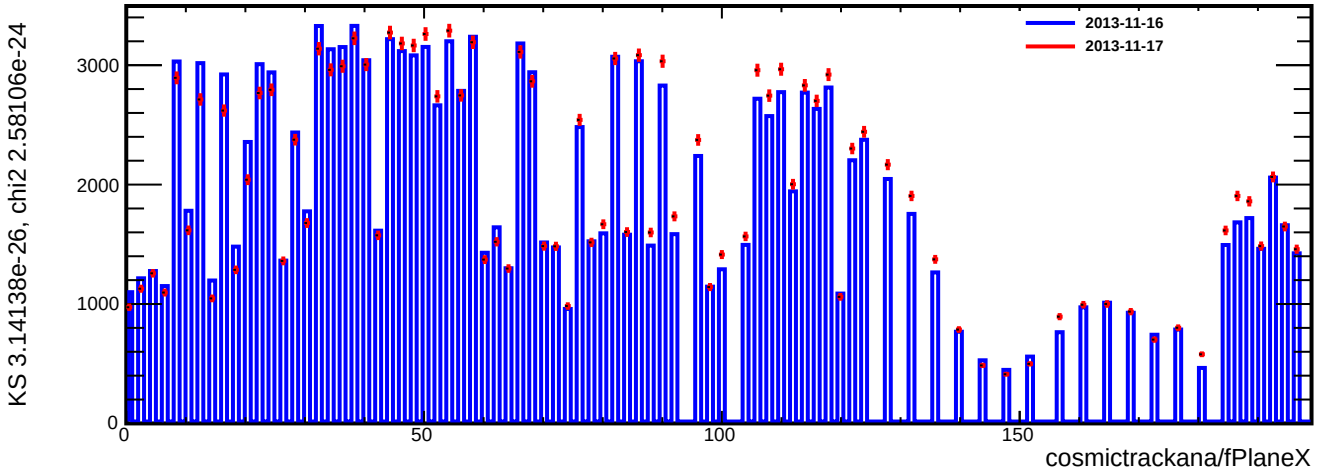

KS 0.000205285, chi2 1.11622e-90
2013-11-16
2013-11-17
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

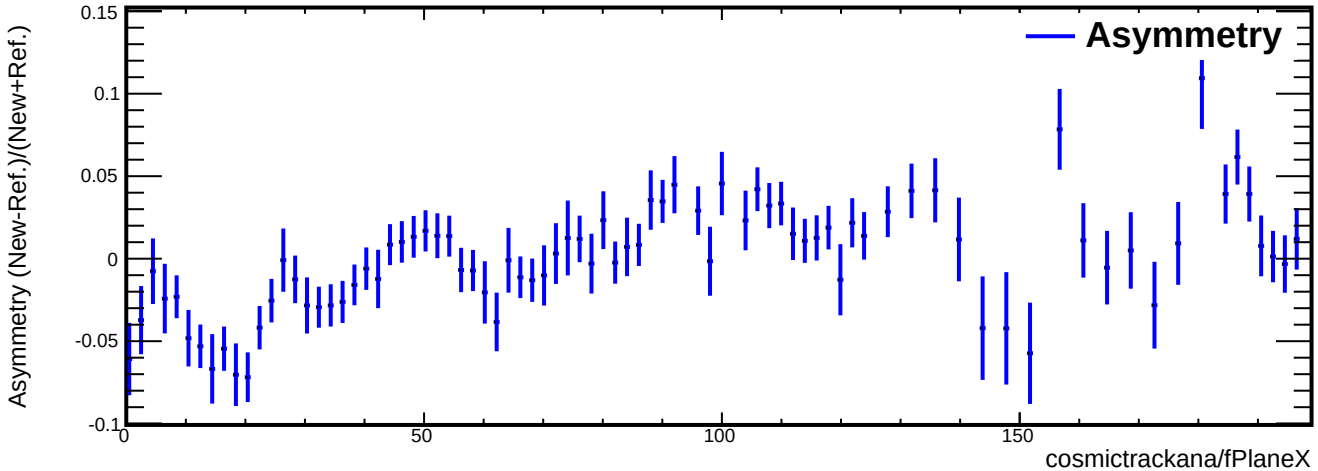

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

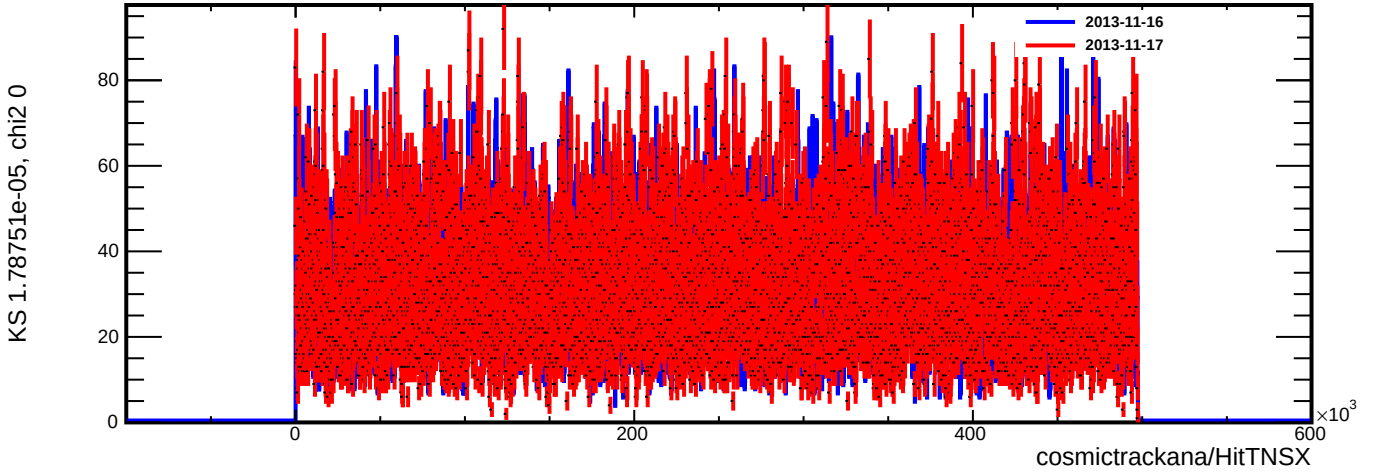

KS 8.65719e-05, chi2 6.81571e-27
2013-11-16
2013-11-17
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

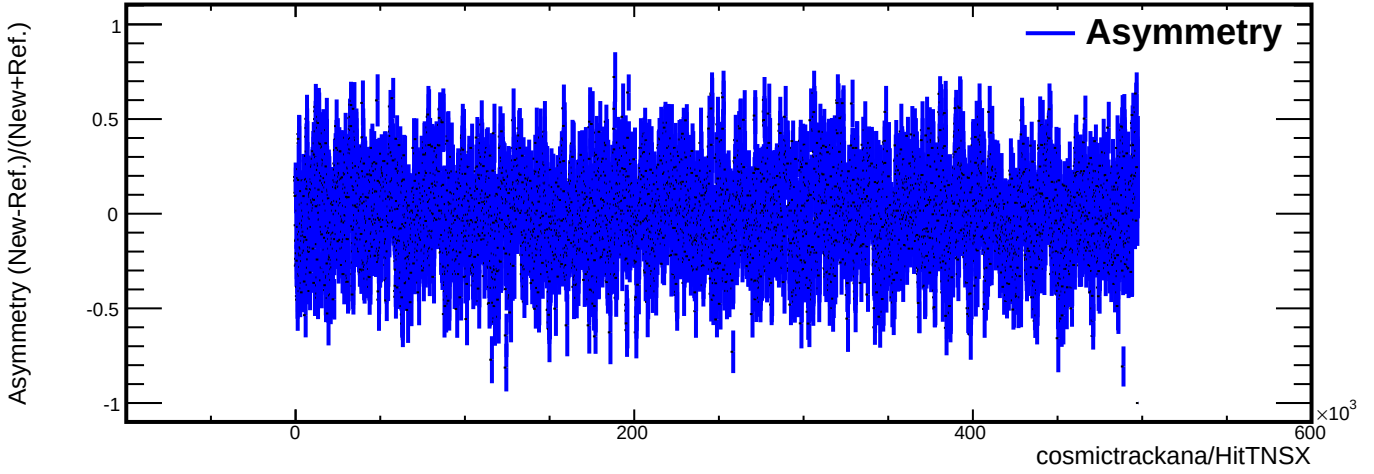

2013-11-16
2013-11-17
KS 0, chi2 1.26012e-58
cosmictrackana/hitZPosition

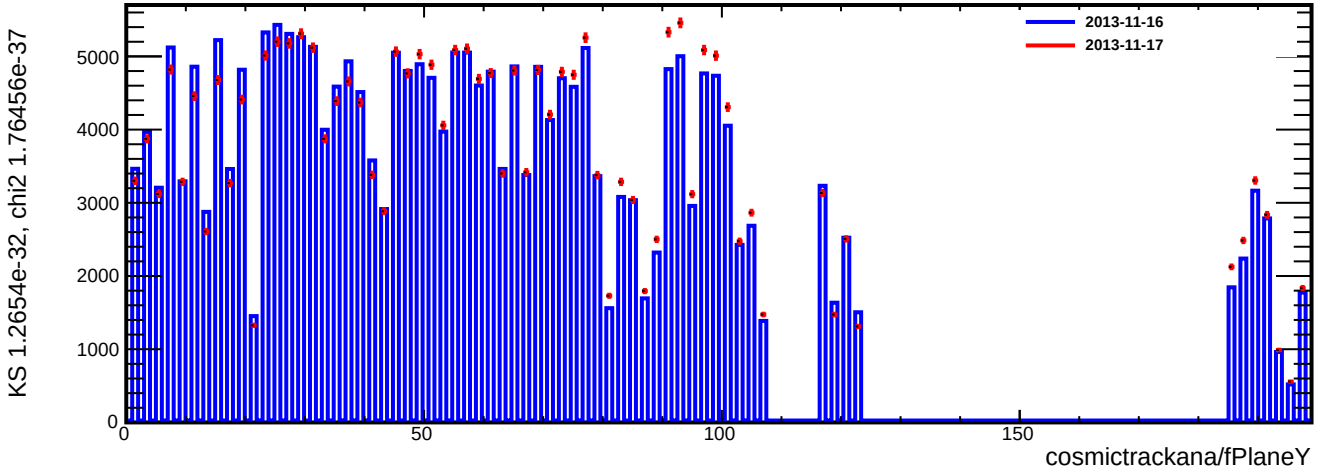

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
cosmictrackana/hitZPosition

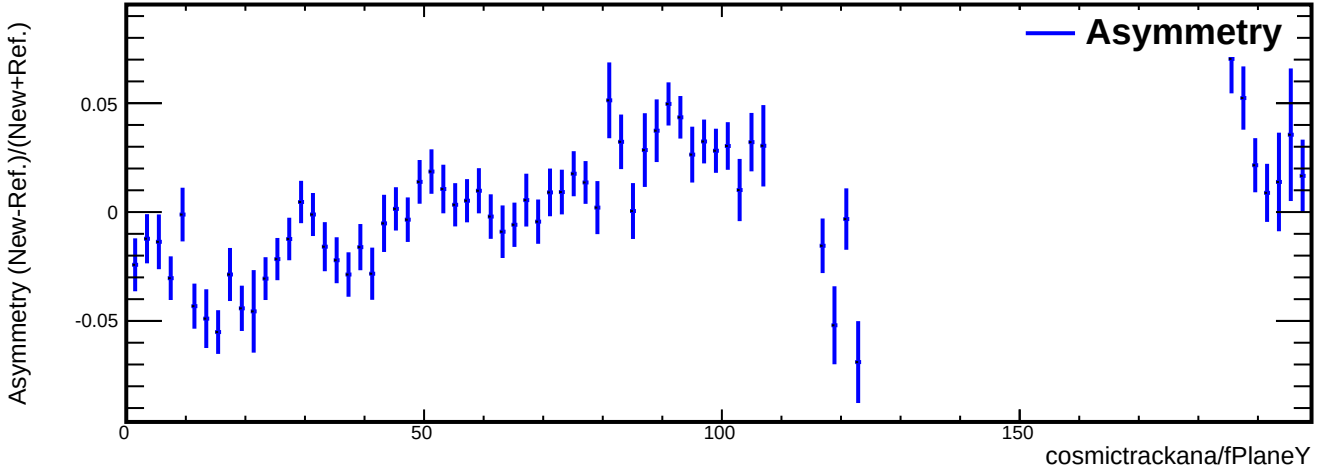

KS 3.14138e-26, chi2 2.58106e-24
2013-11-16
2013-11-17
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

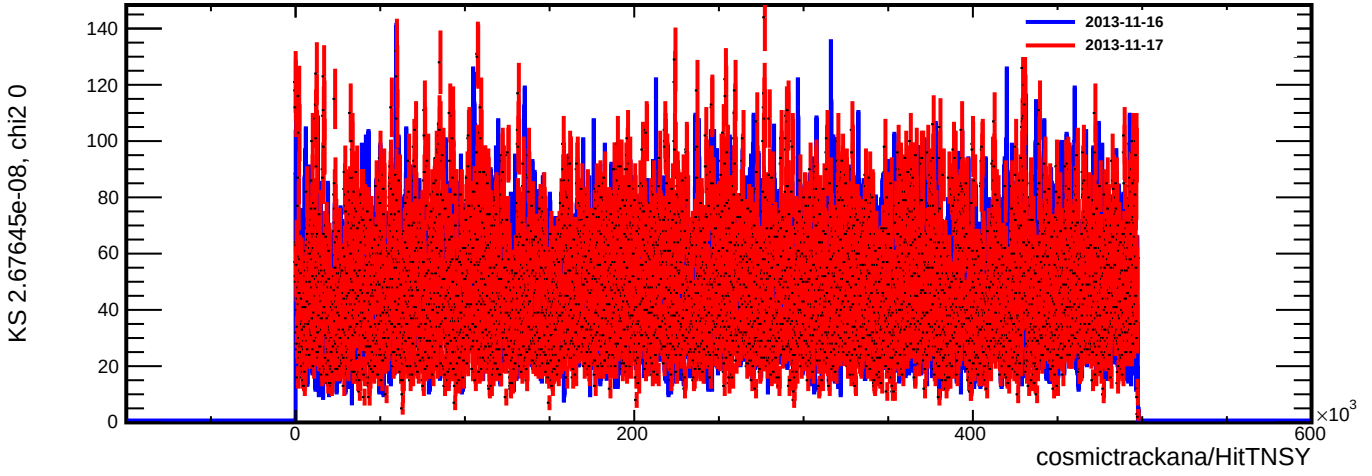

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.15
0.1
0.05
0
-0.05
-0.1
0
50
100
150
cosmictrackana/fPlaneX

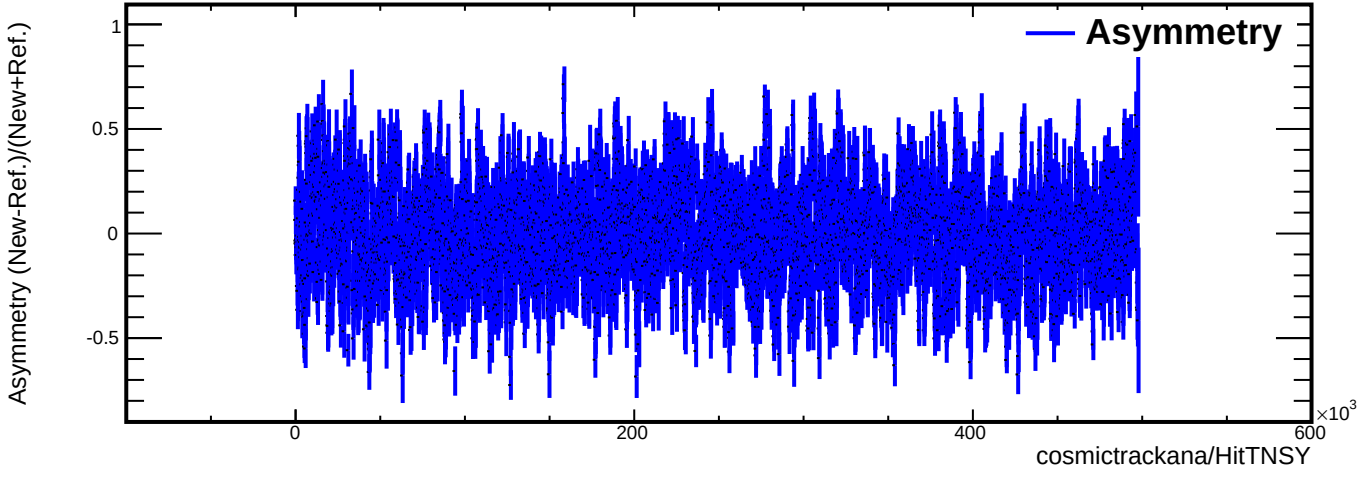

2013-11-16
2013-11-17
KS 1.78751e-05, chi2 0
0
20
40
60
80
0
200
400
600
×10^3
cosmictrackana/HitTNSX


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


KS 1.2654e-32, chi2 1.76456e-37
2013-11-16
2013-11-17
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


KS 2.67645e-08, chi2 0
2013-11-16
2013-11-17
140
120
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


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