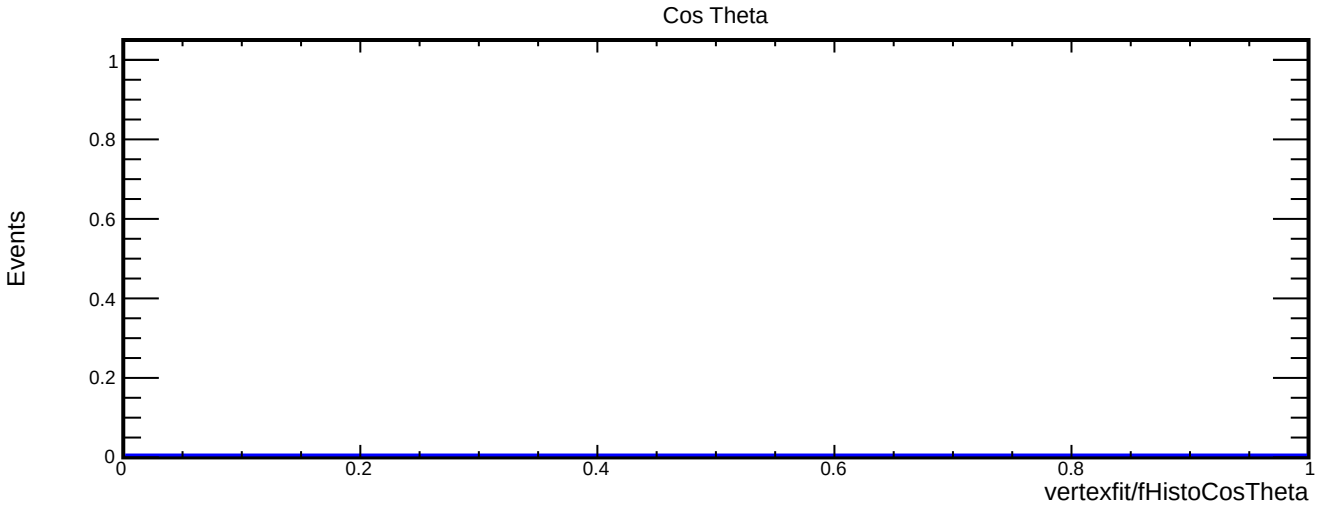
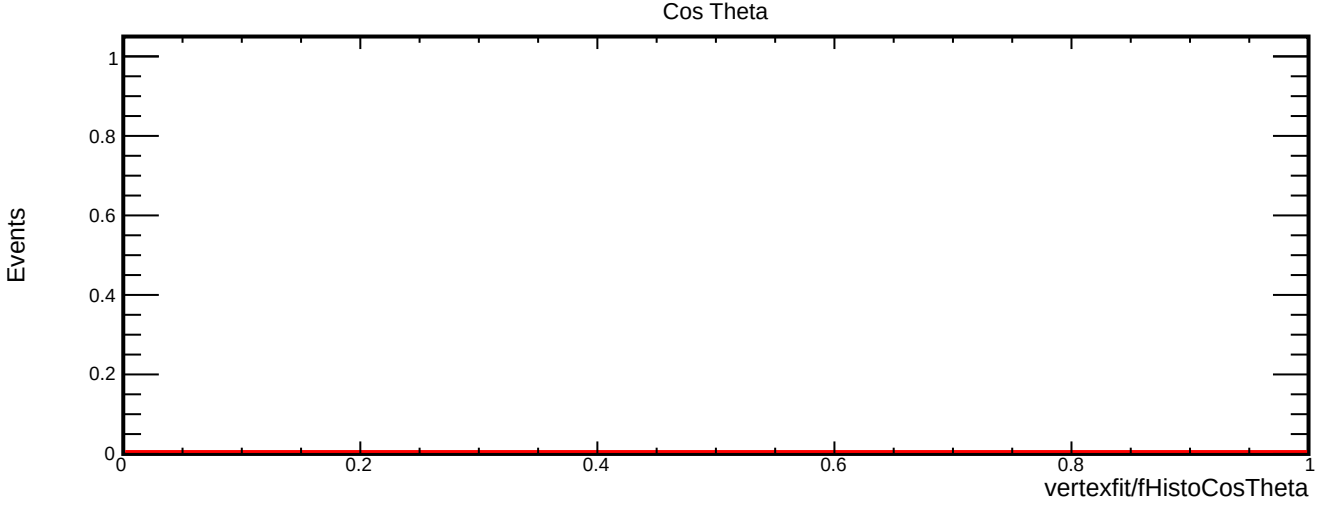
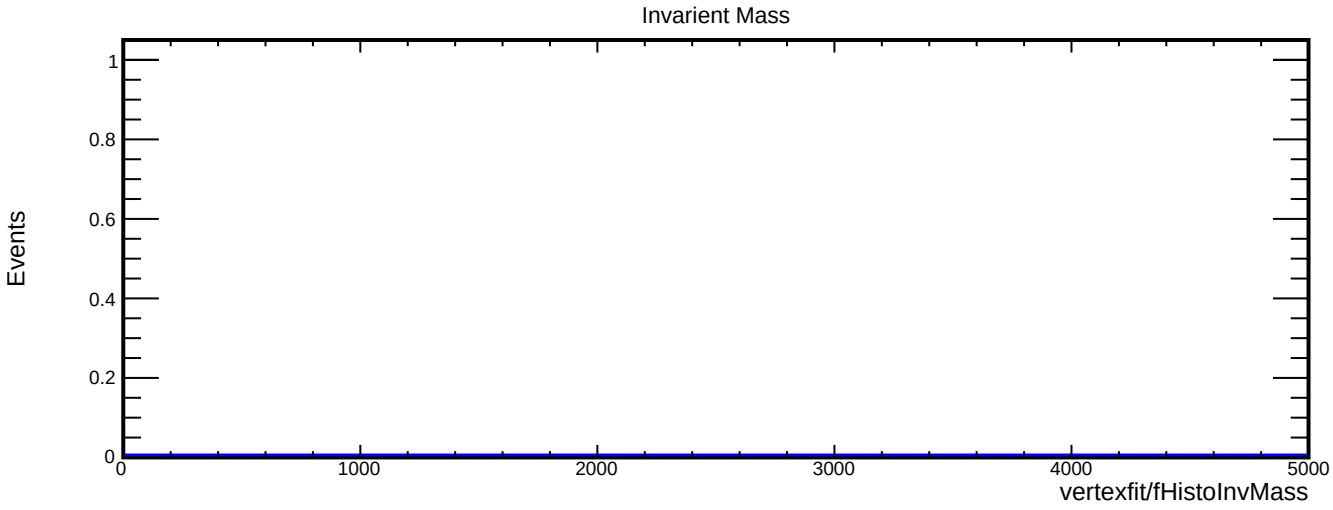
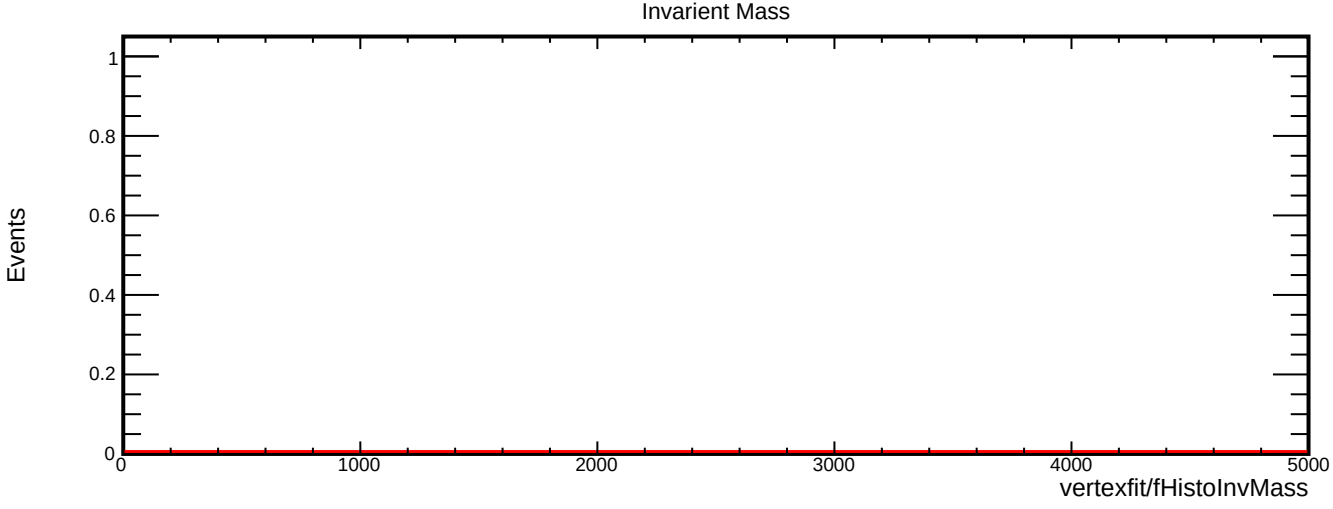
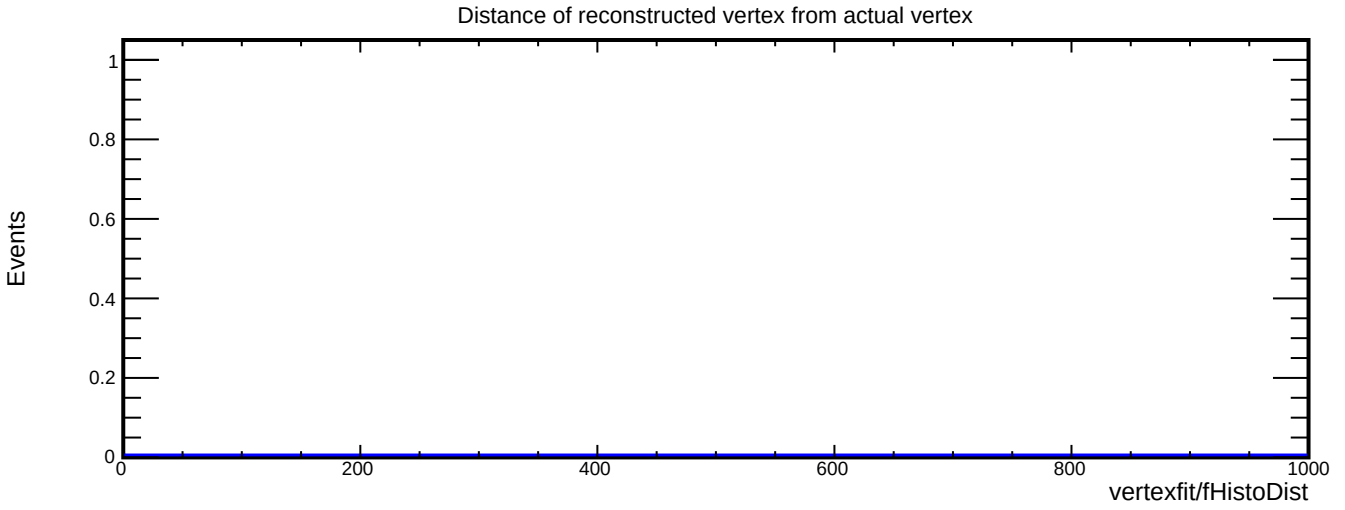
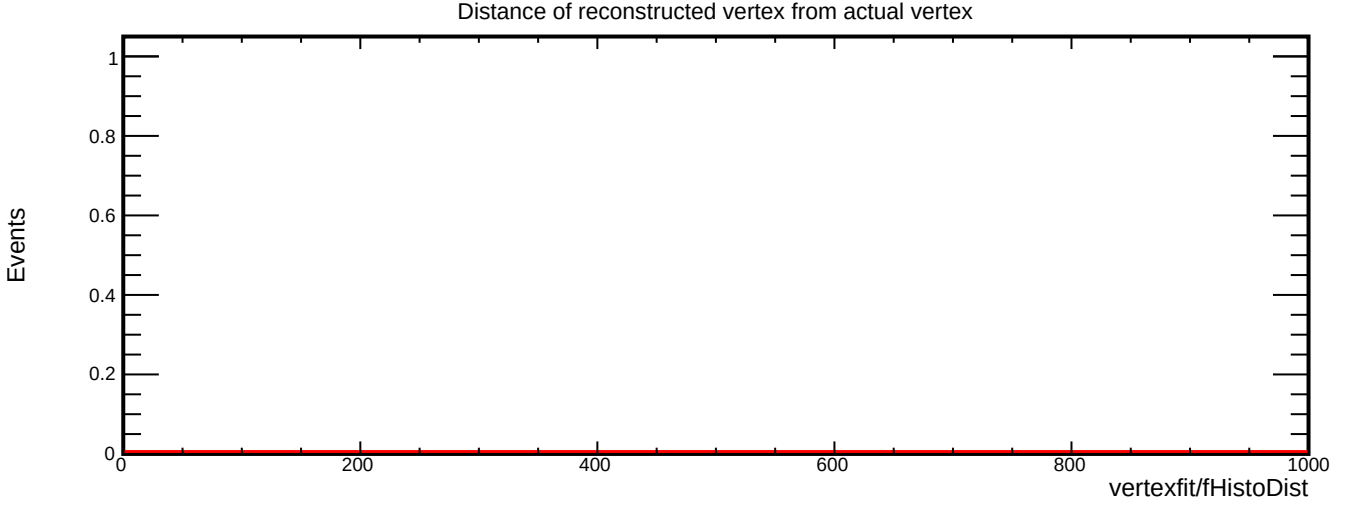

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

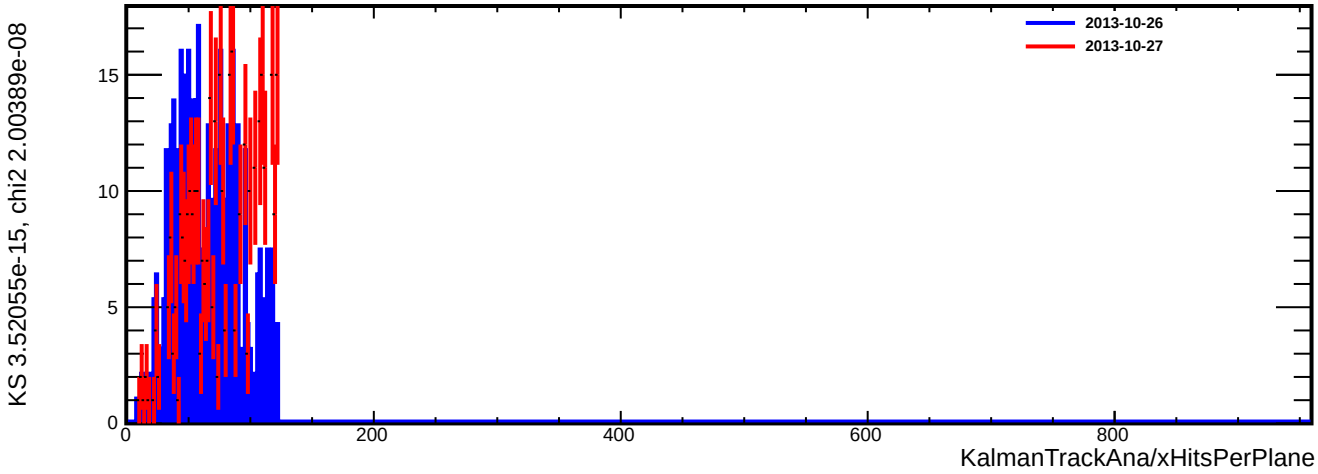

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

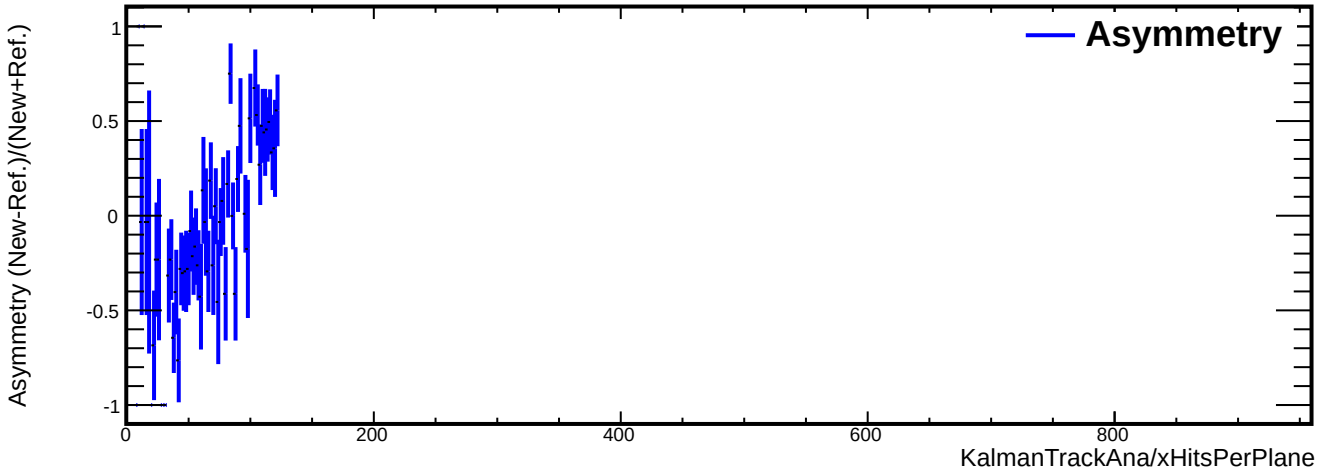

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

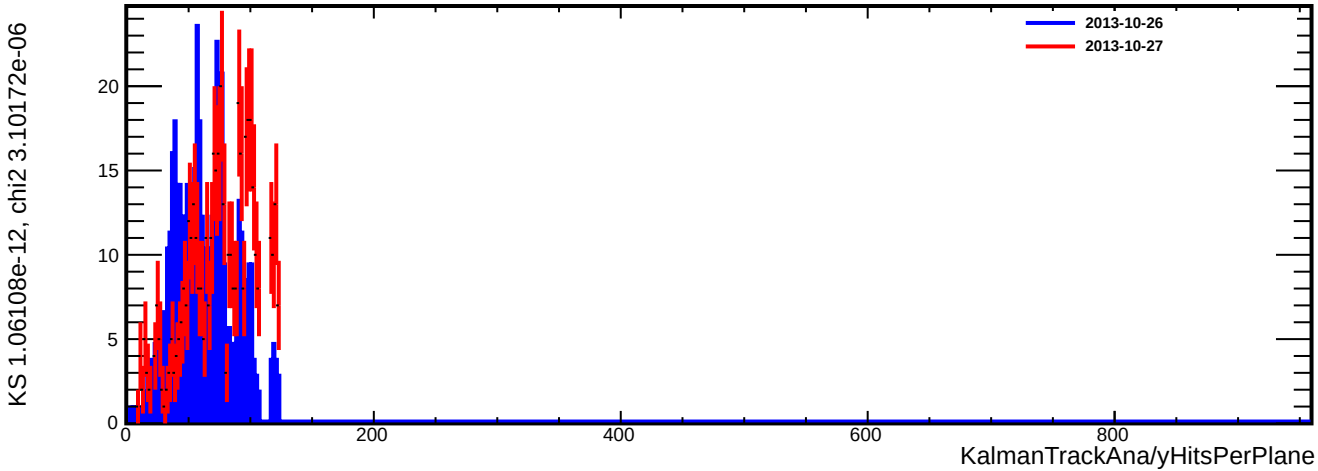

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

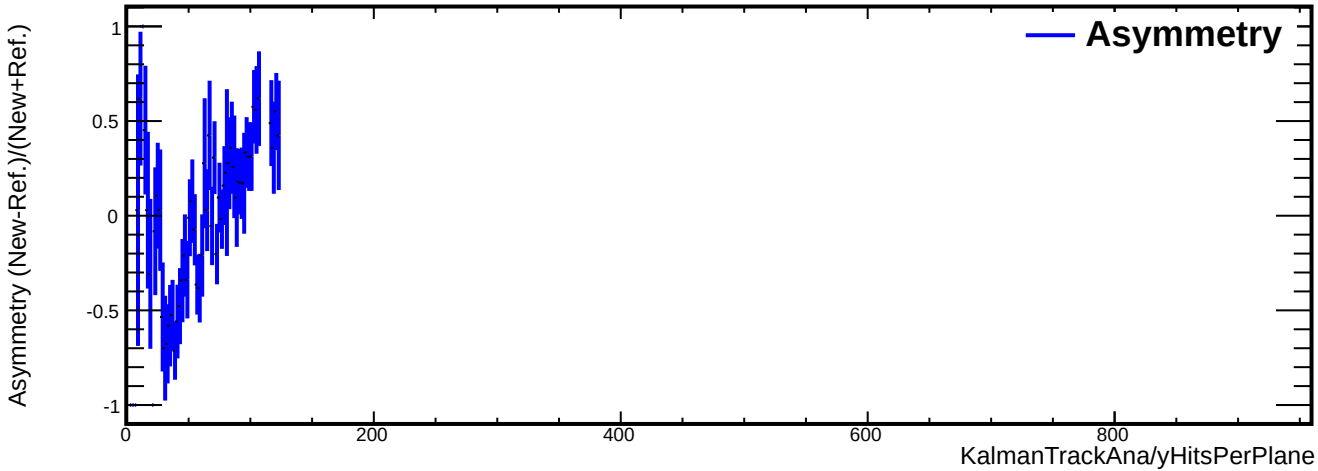

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

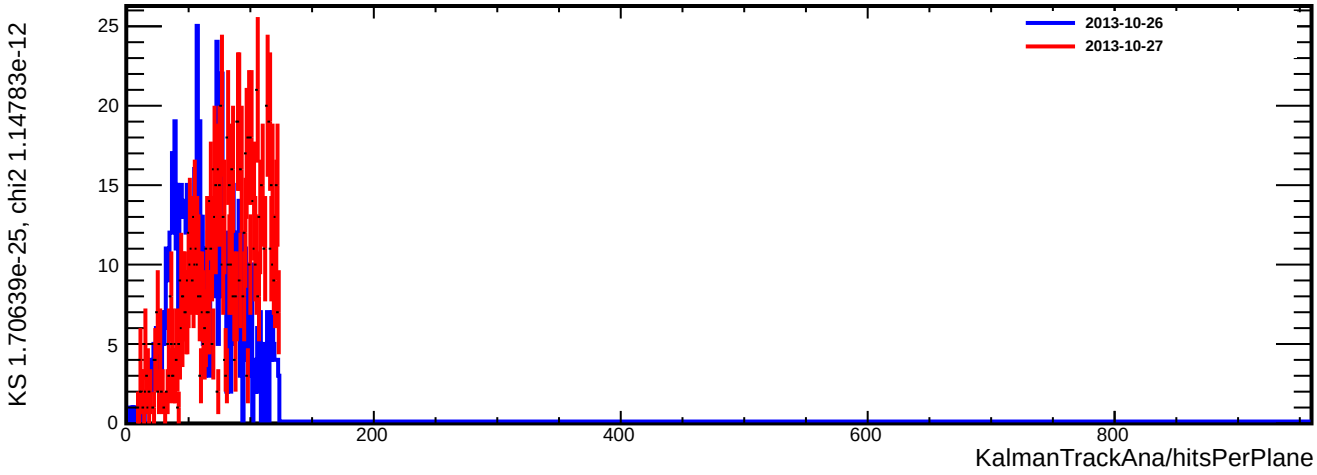

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

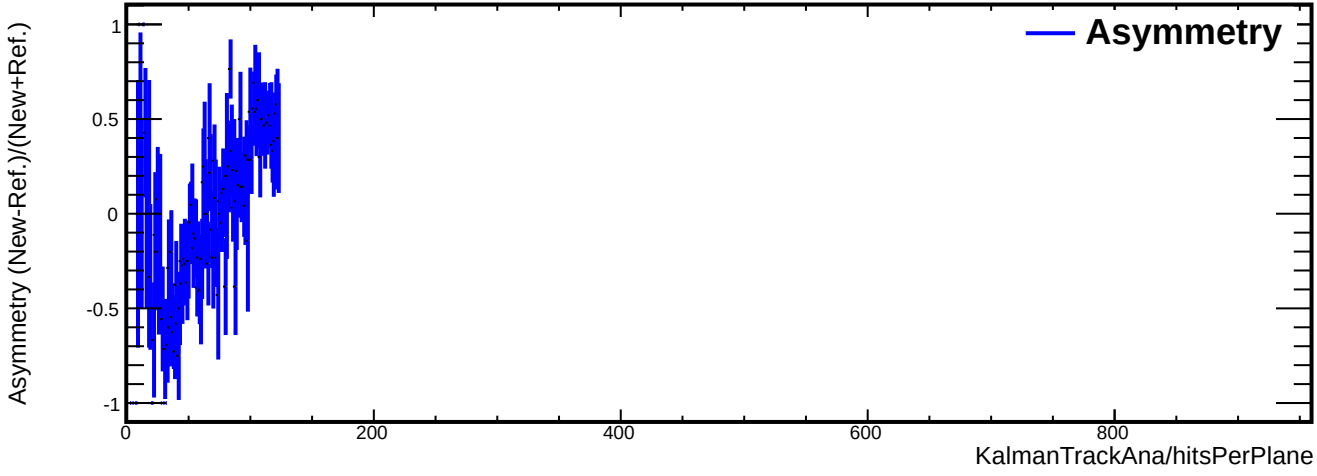

KS 3.52055e-15, chi2 2.00389e-08
2013-10-26
2013-10-27
0
5
10
15
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

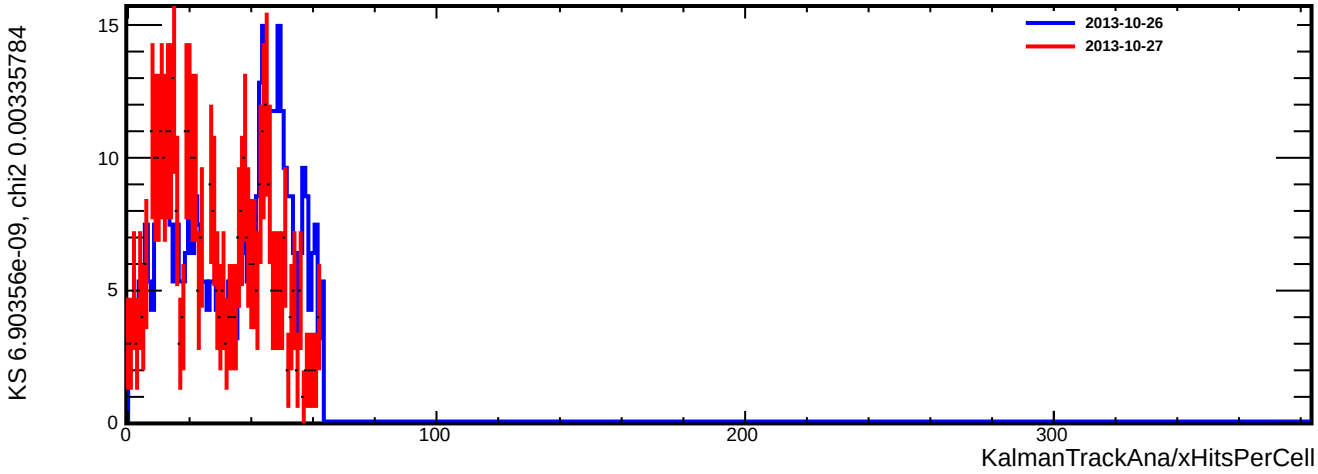

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

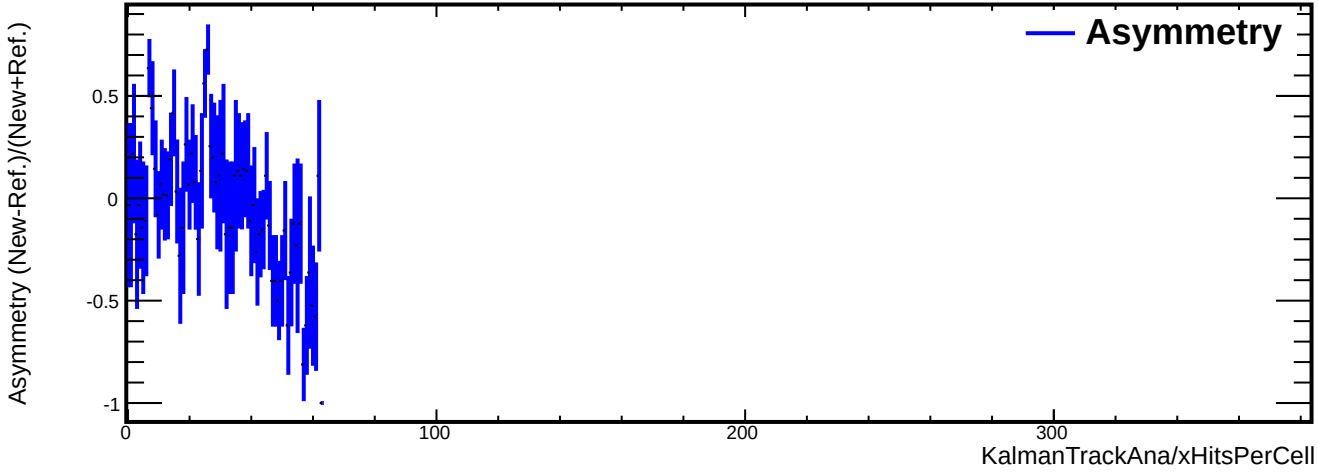

KS 1.06108e-12, chi2 3.10172e-06
2013-10-26
2013-10-27
0
5
10
15
20
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

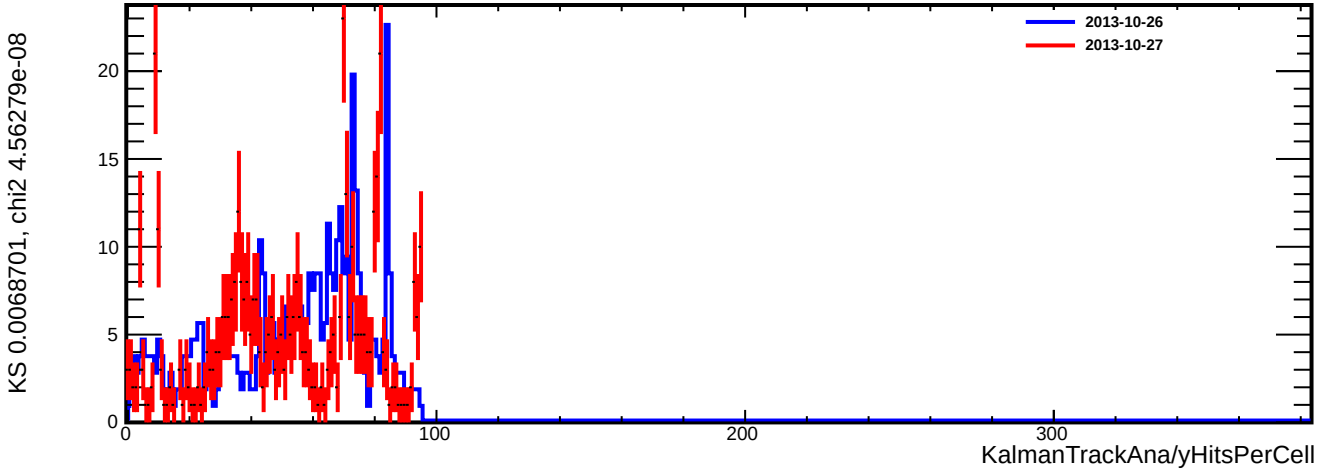

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

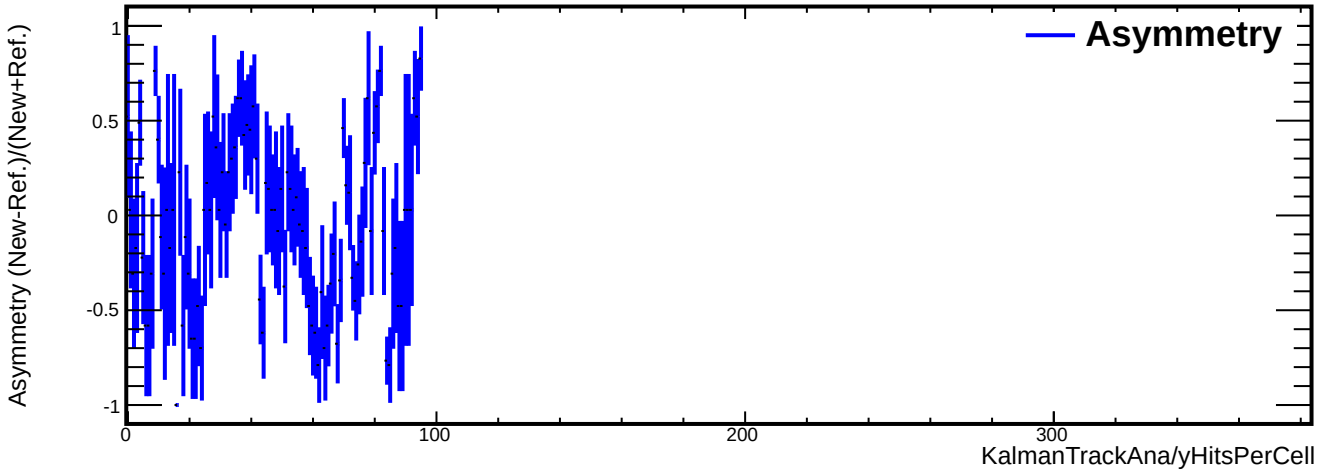

KS 1.70639e-25, chi2 1.14783e-12
2013-10-26
2013-10-27
KalmanTrackAna/hitsPerPlane

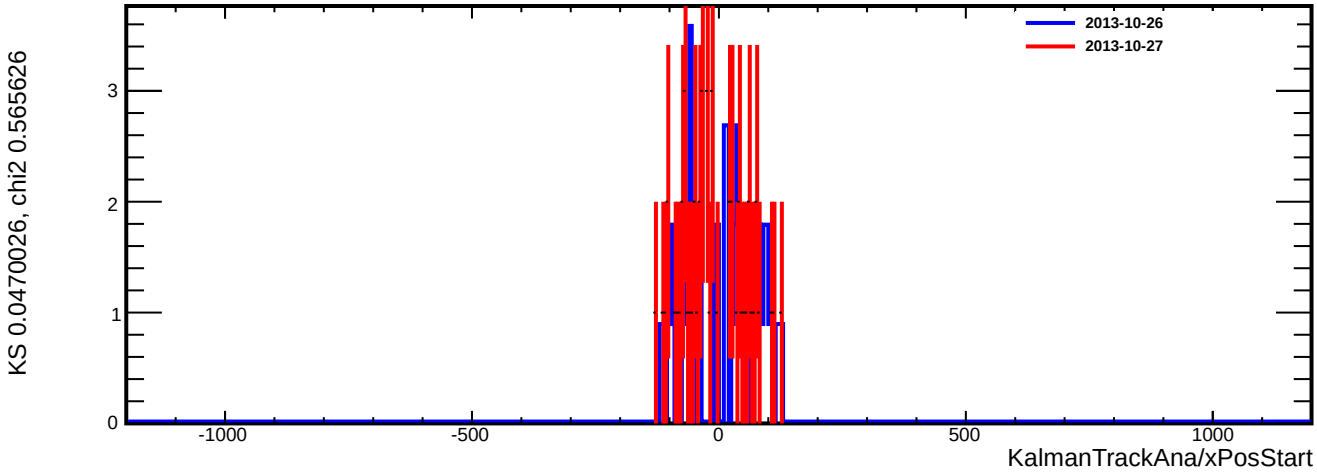

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/hitsPerPlane

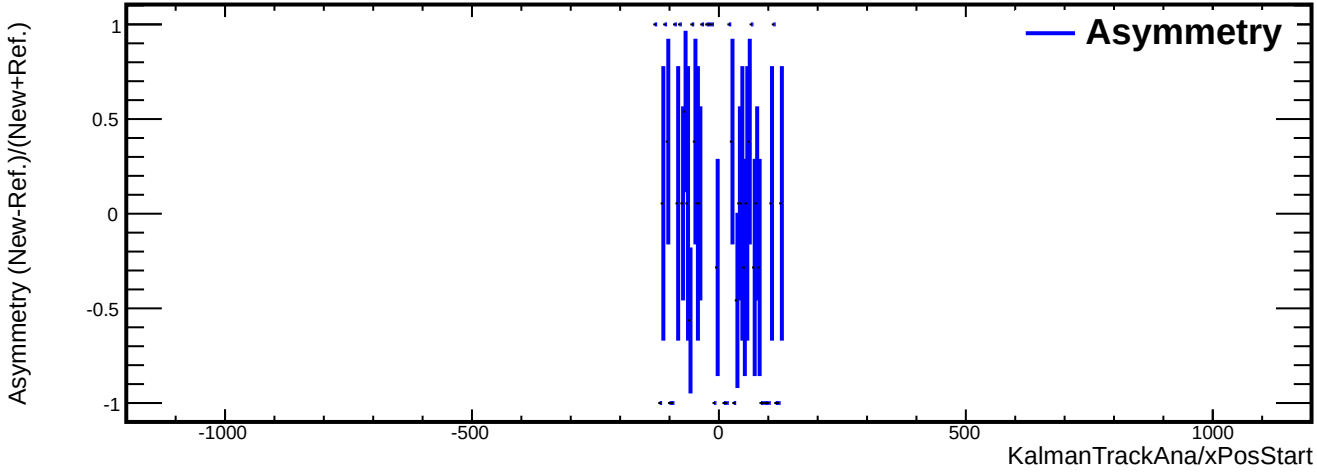

KS 6.90356e-09, chi2 0.00335784
15
10
5
0
0
100
200
300
KalmanTrackAna/xHitsPerCell
2013-10-26
2013-10-27

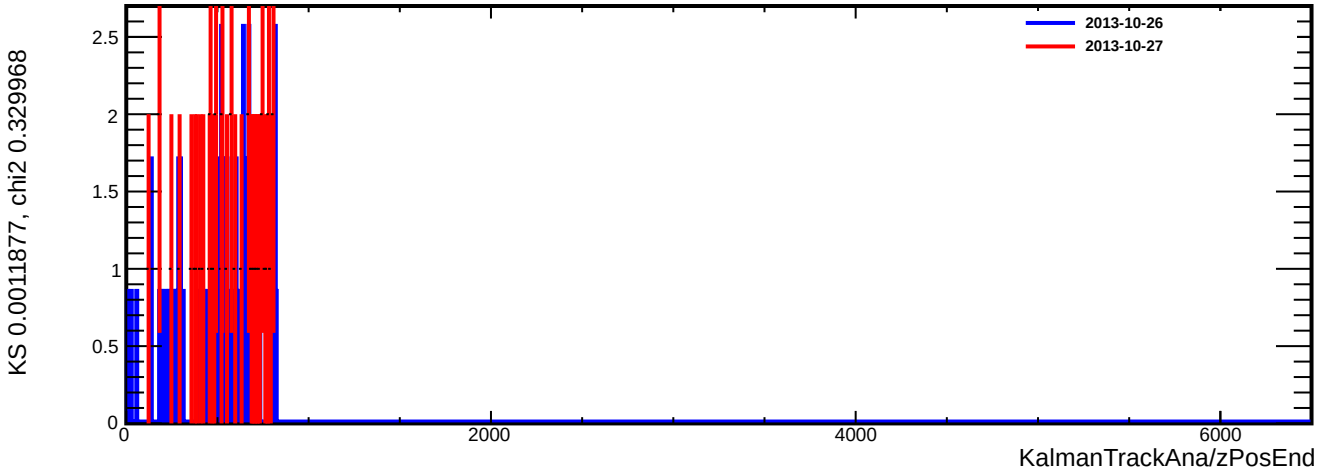

Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/xHitsPerCell
Asymmetry

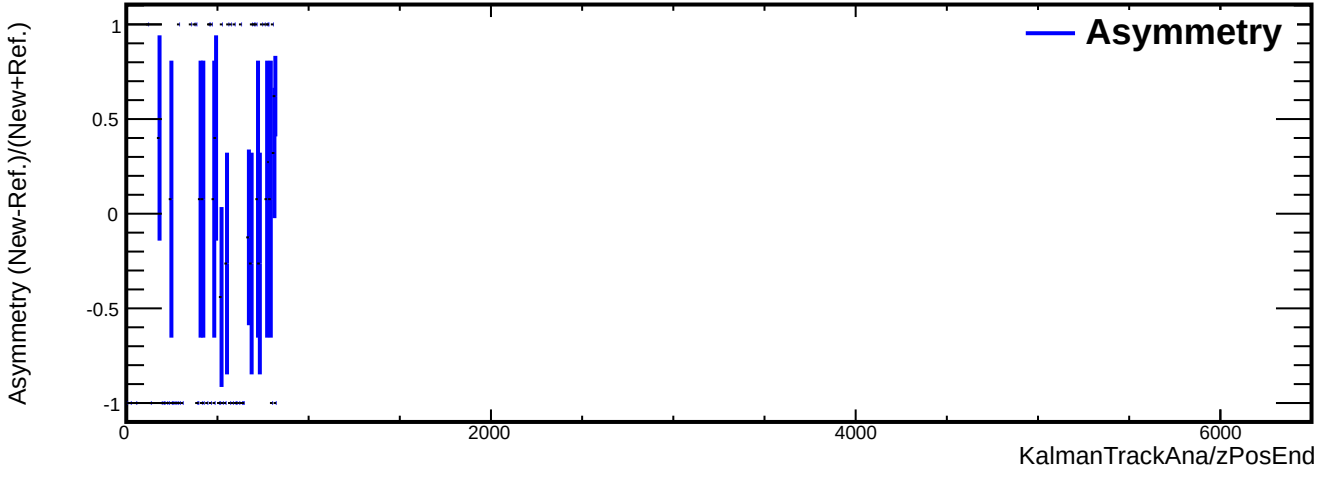

KS 0.0068701, chi2 4.56279e-08
2013-10-26
2013-10-27
0
5
10
15
20
0
100
200
300
KalmanTrackAna/yHitsPerCell

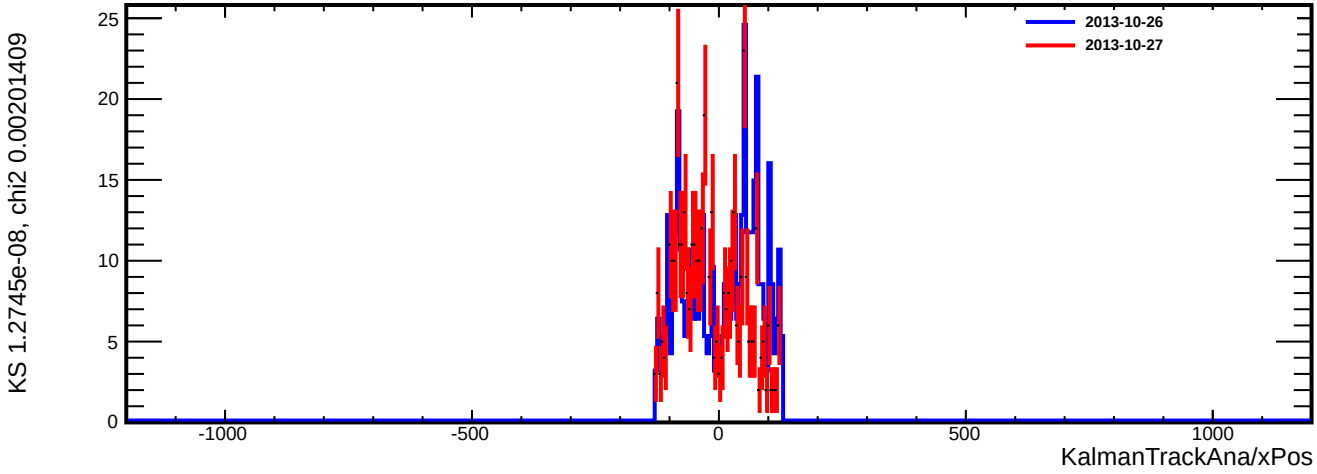

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

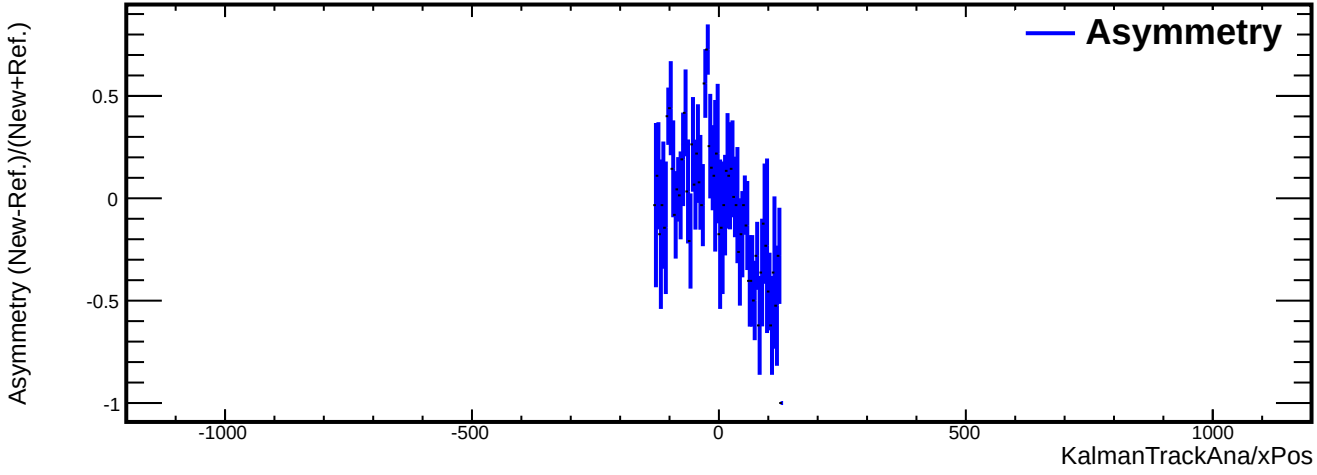

KS 0.0470026, chi2 0.565626
2013-10-26
2013-10-27
0
1
2
3
-1000
-500
0
500
1000
KalmanTrackAna/xPosStart

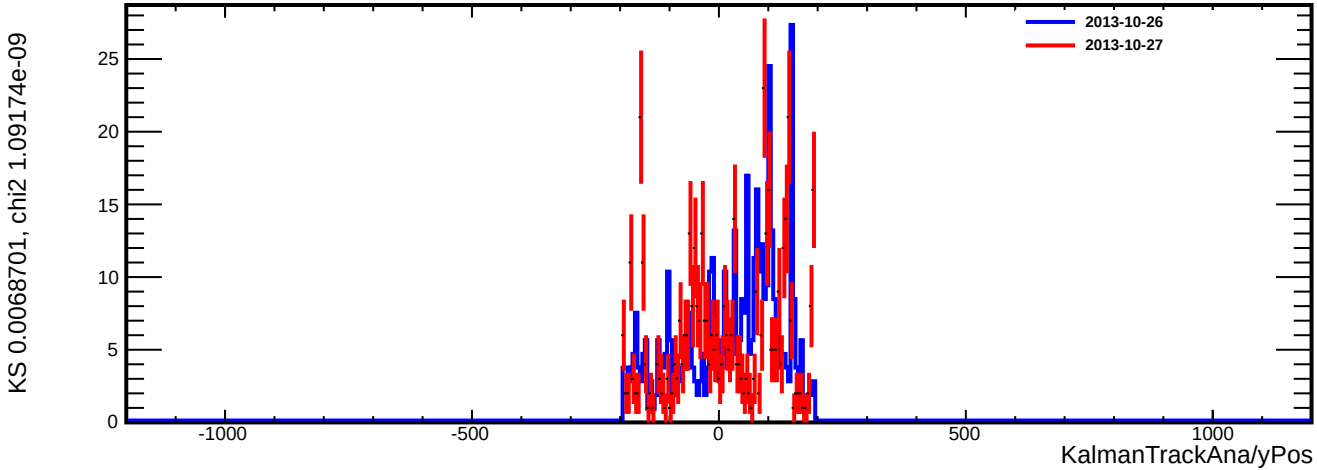

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPosStart

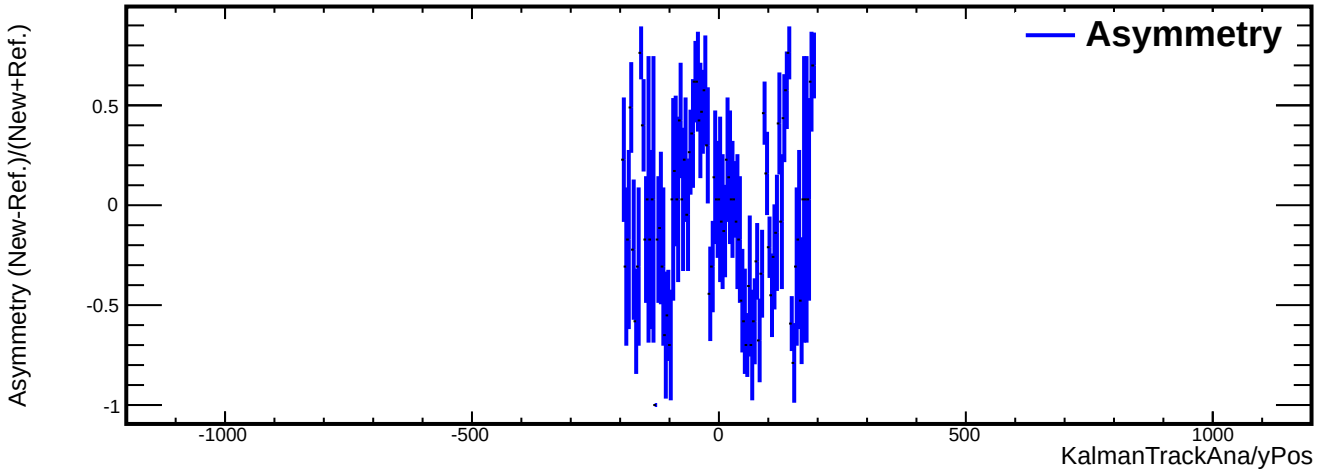

KS 0.0011877, chi2 0.329968
2013-10-26
2013-10-27
2.5
2
1.5
1
0.5
0
0
2000
4000
6000
KalmanTrackAna/zPosEnd

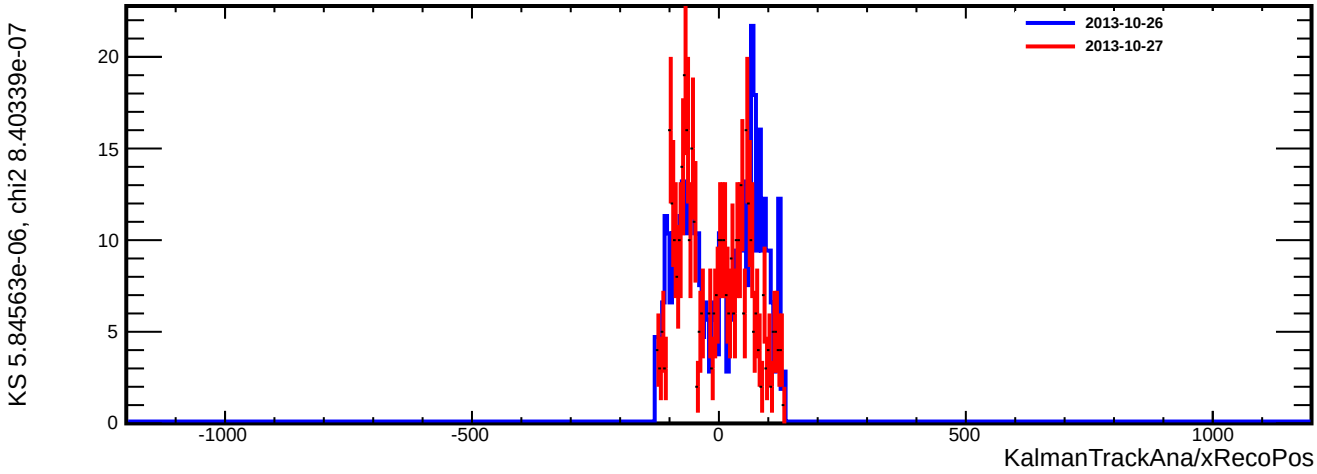

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2000
4000
6000
KalmanTrackAna/zPosEnd

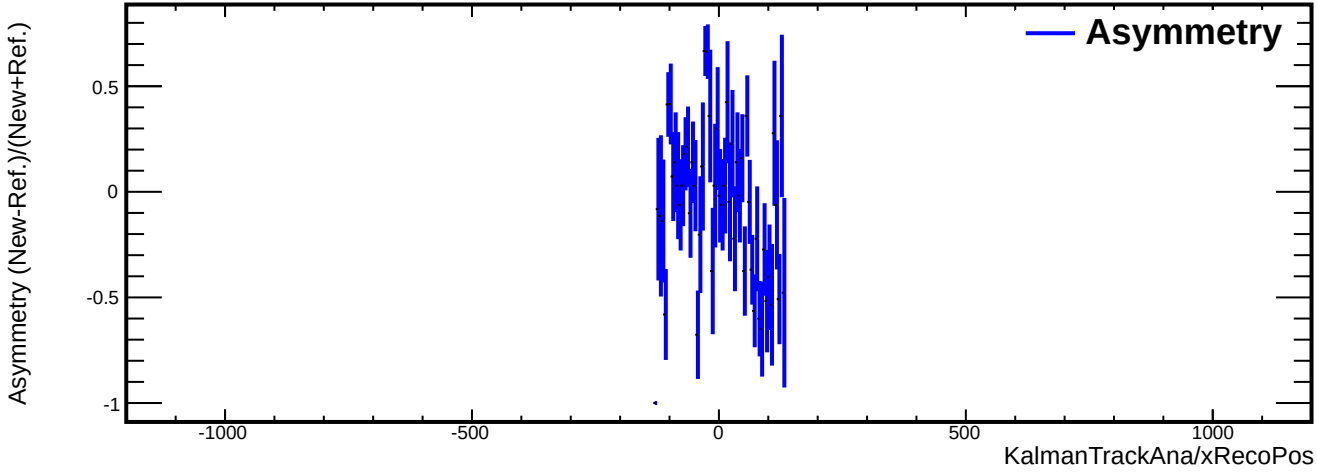

KS 1.2745e-08, chi2 0.00201409
2013-10-26
2013-10-27
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos

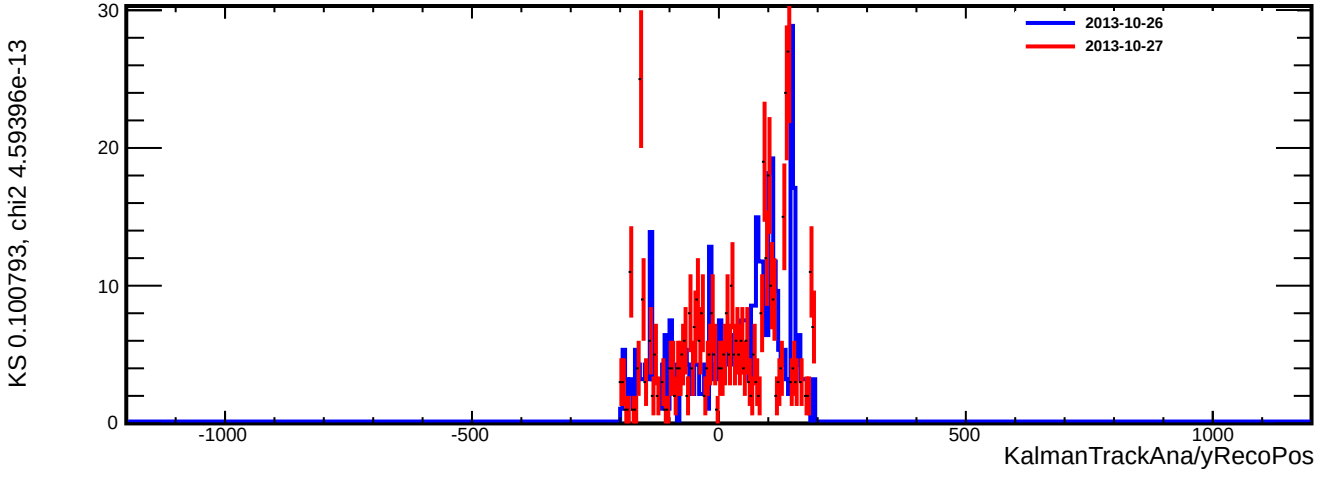

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPos

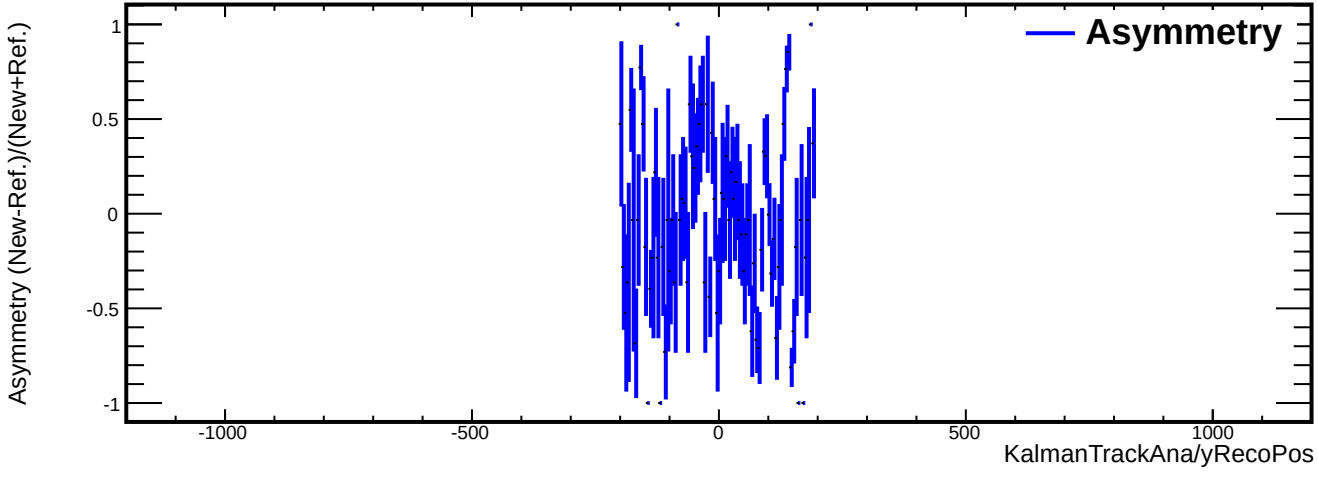

KS 0.0068701, chi2 1.09174e-09
2013-10-26
2013-10-27
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos

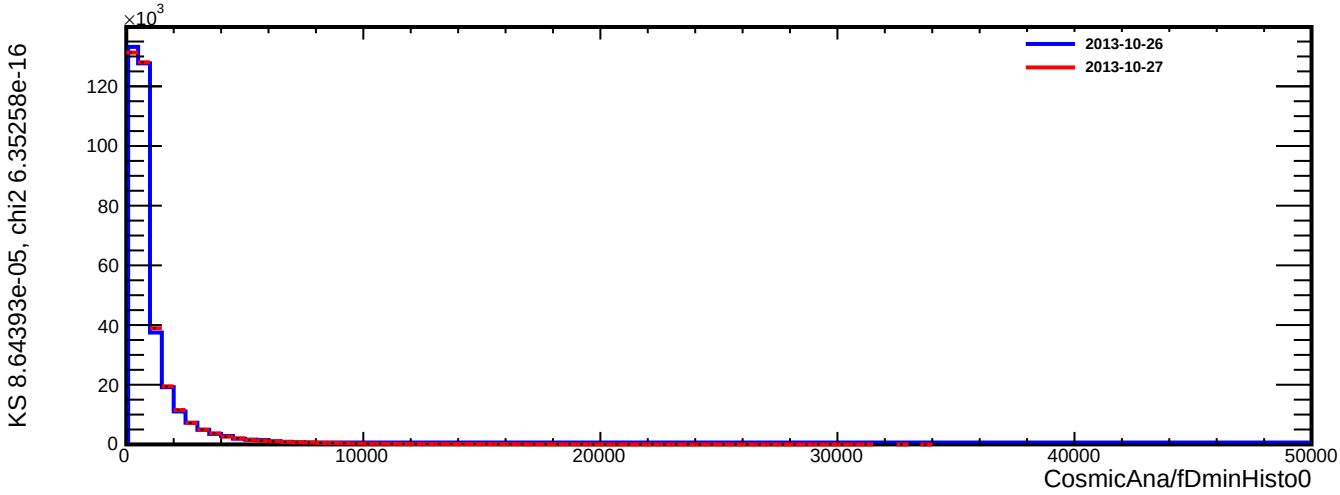

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

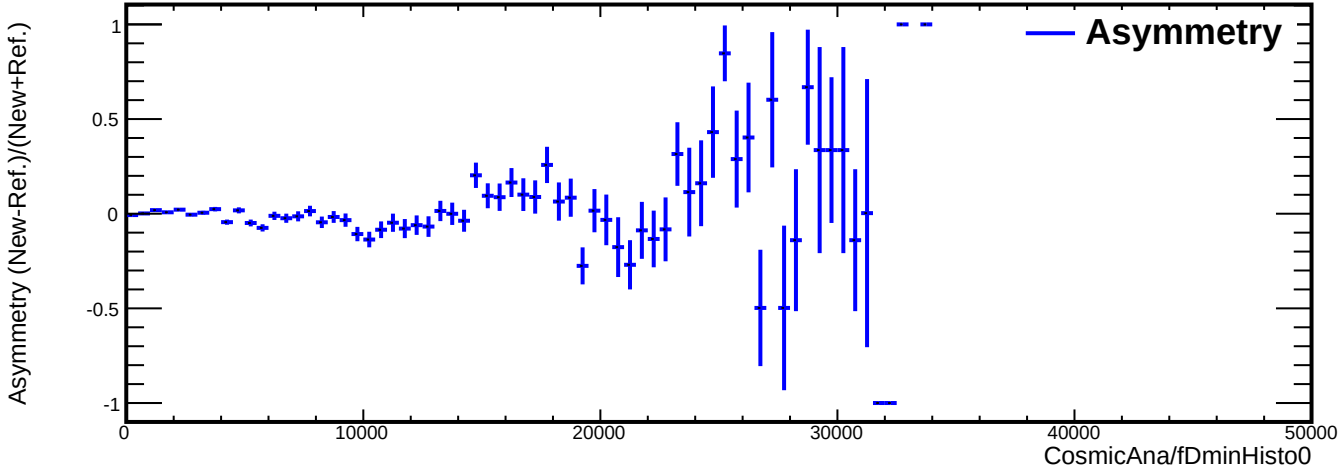

KS 5.84563e-06, chi2 8.40339e-07
2013-10-26
2013-10-27
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

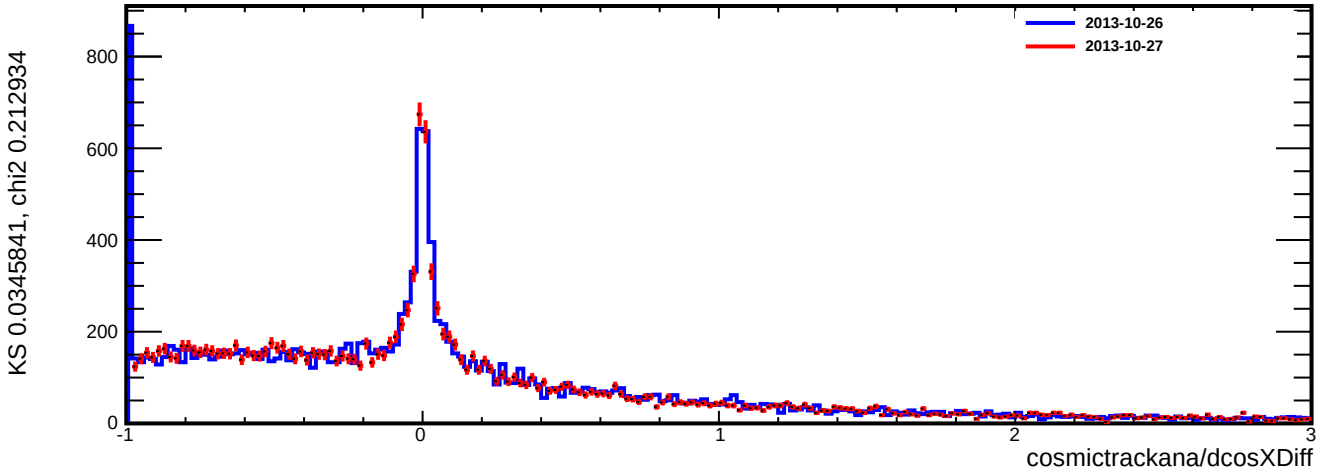

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

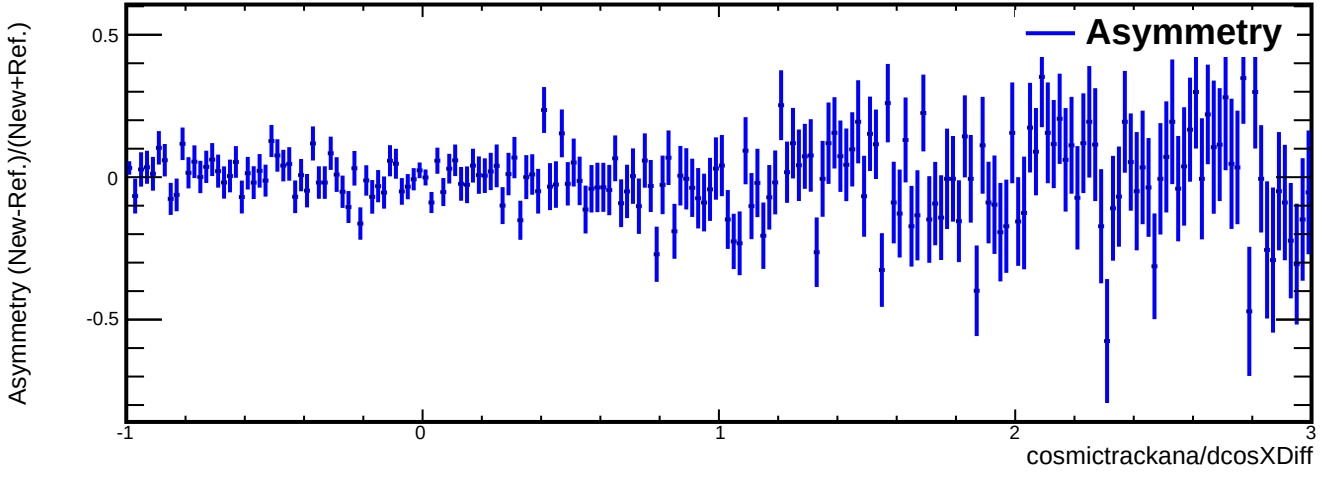

KS 0.100793, chi2 4.59396e-13
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos
2013-10-26
2013-10-27

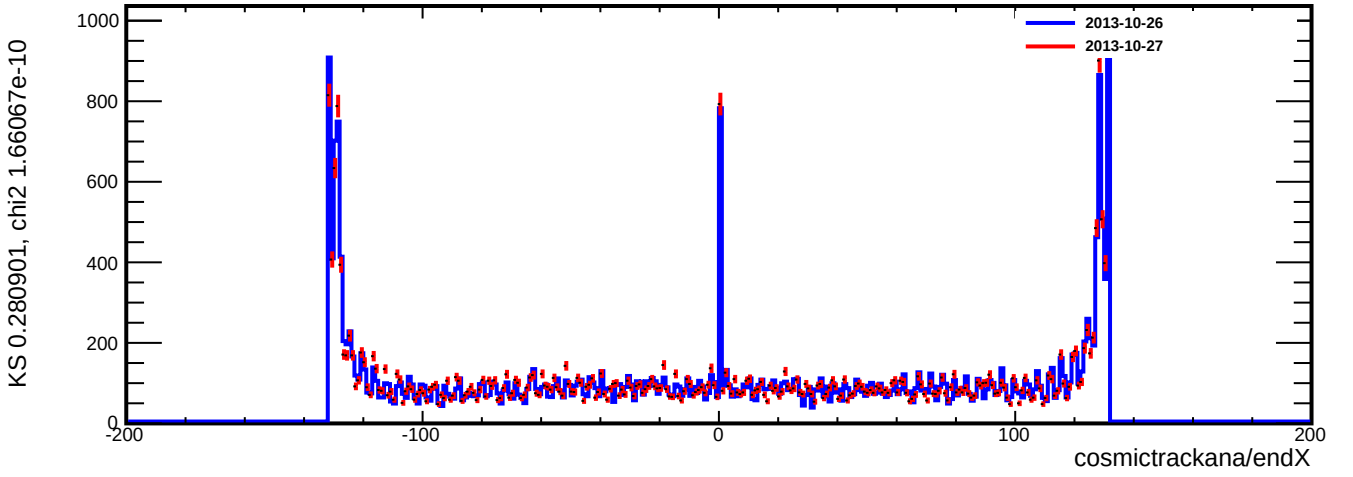

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos
Asymmetry

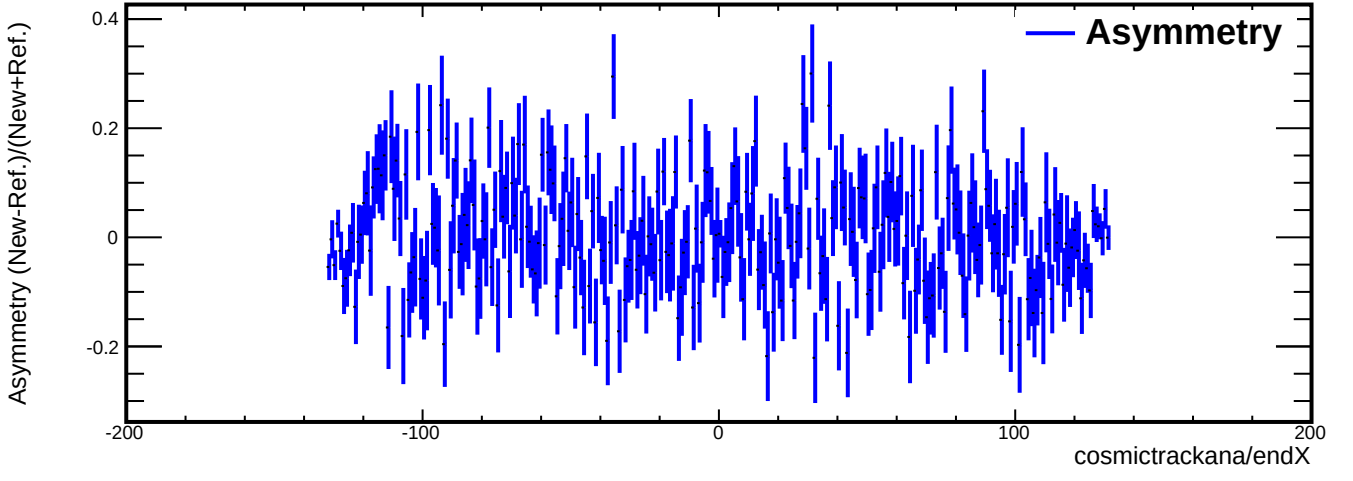

KS 8.64393e-05, chi2 6.35258e-16
×10^3
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
2013-10-26
2013-10-27

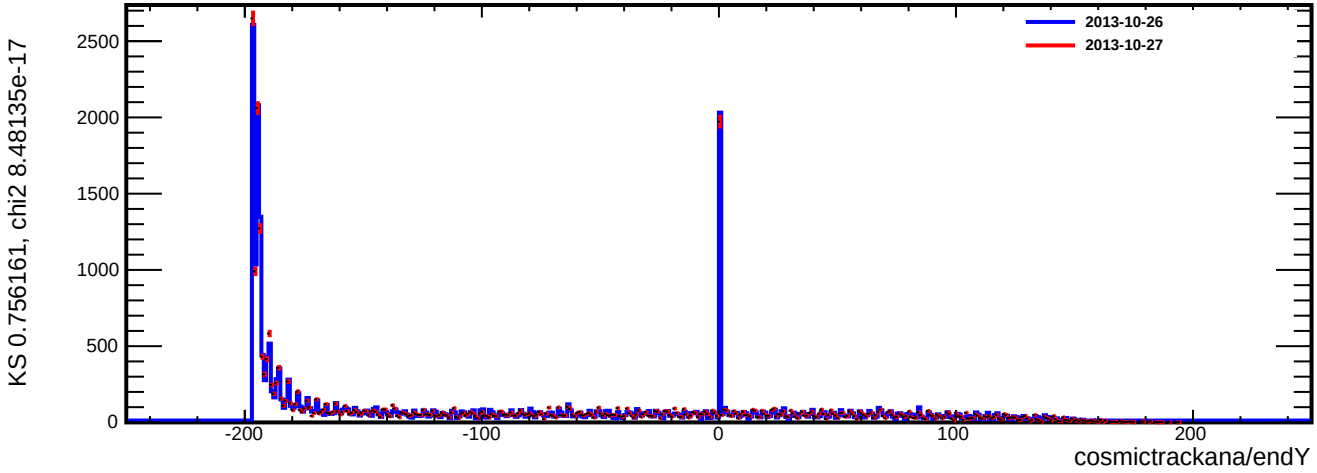

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
Asymmetry

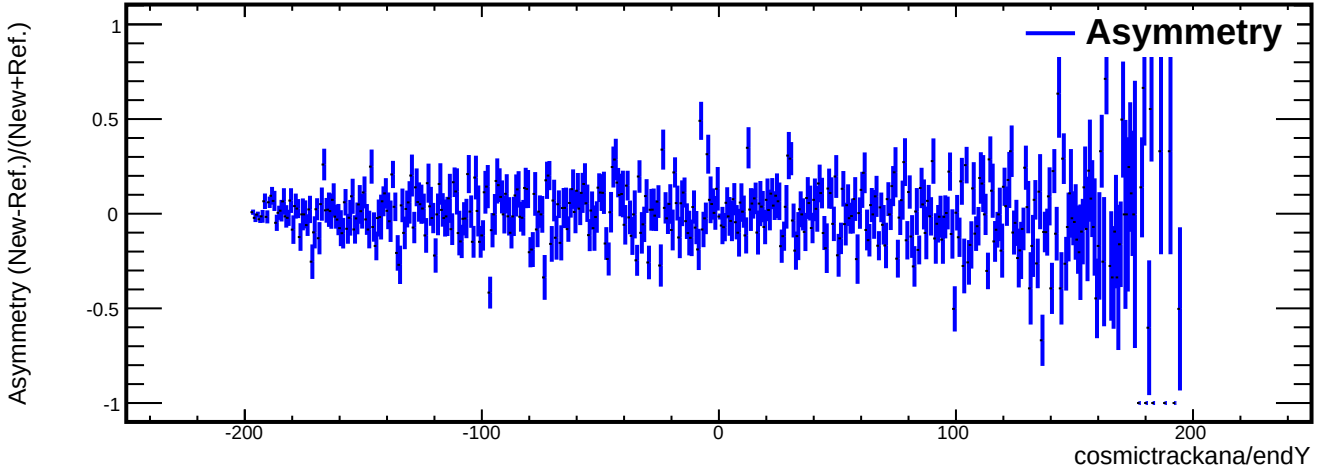

KS 0.0345841, chi2 0.212934
2013-10-26
2013-10-27
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosXDiff

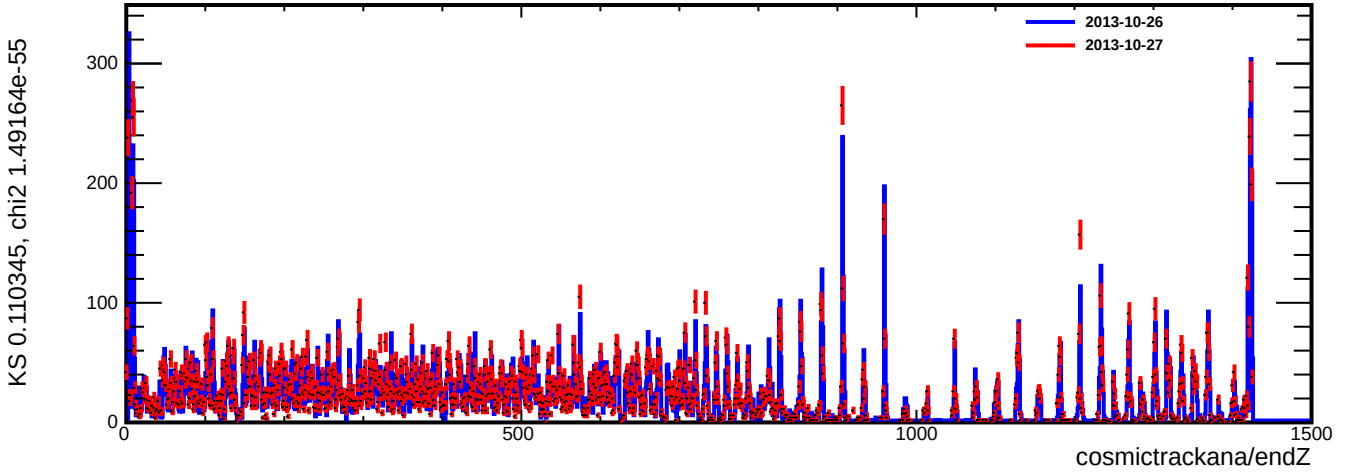

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosXDiff

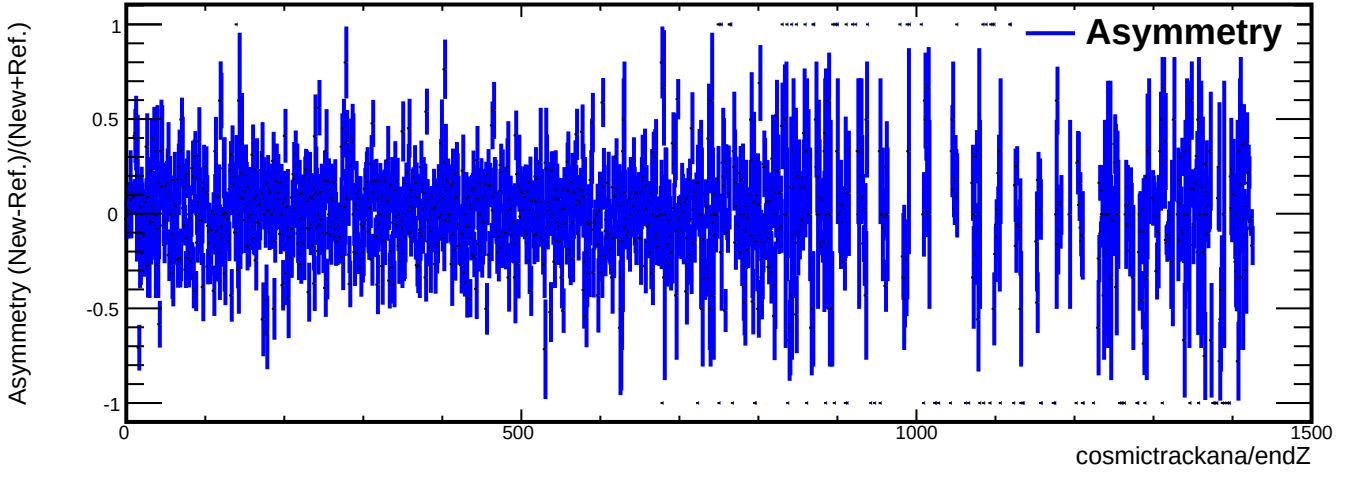

KS 0.280901, chi2 1.66067e-10
2013-10-26
2013-10-27
cosmictrackana/endX

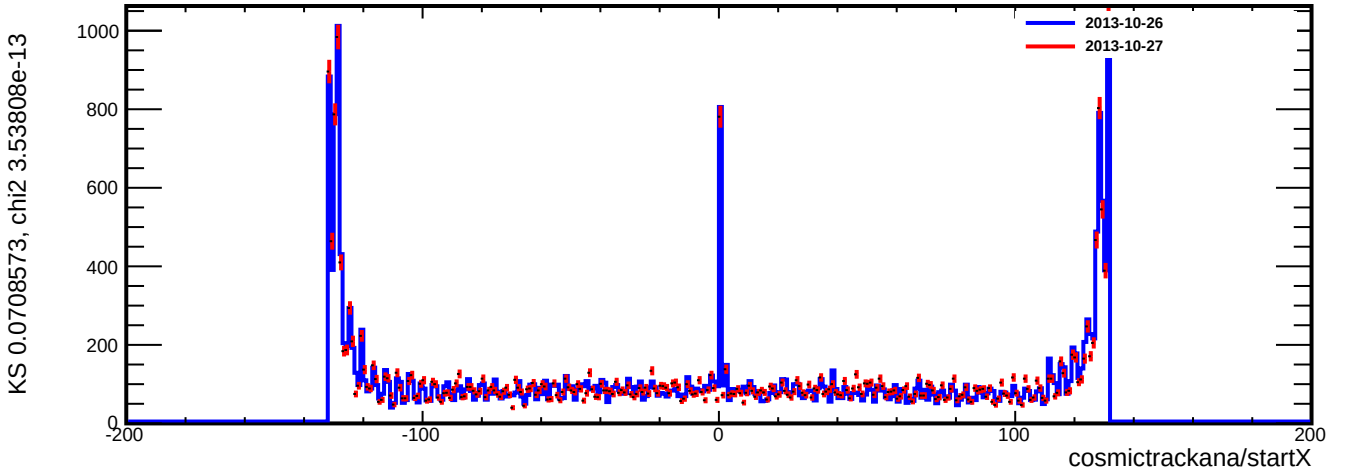

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/endX

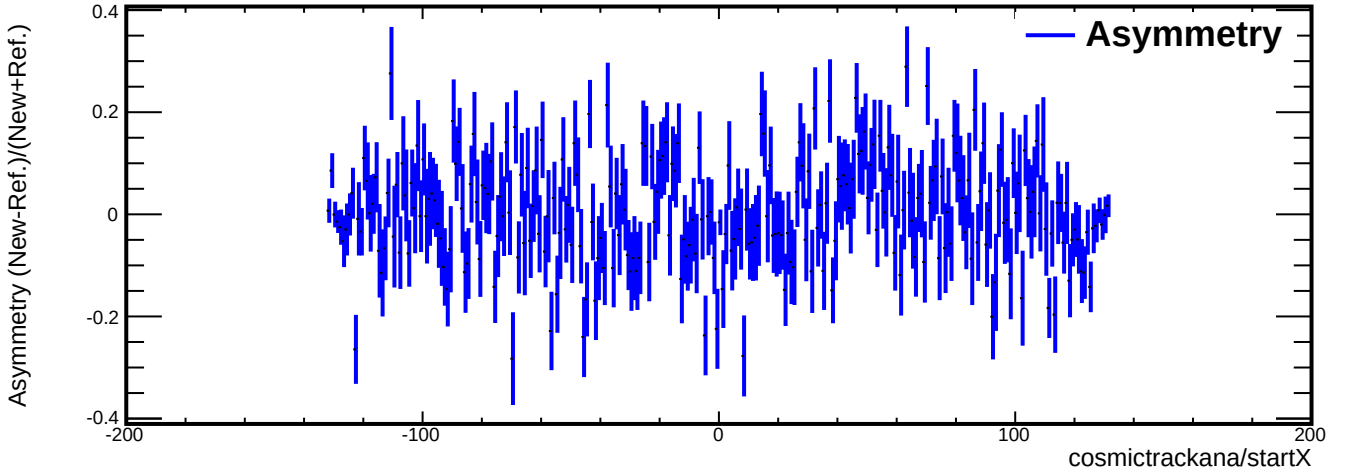

KS 0.756161, chi2 8.48135e-17
2013-10-26
2013-10-27
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

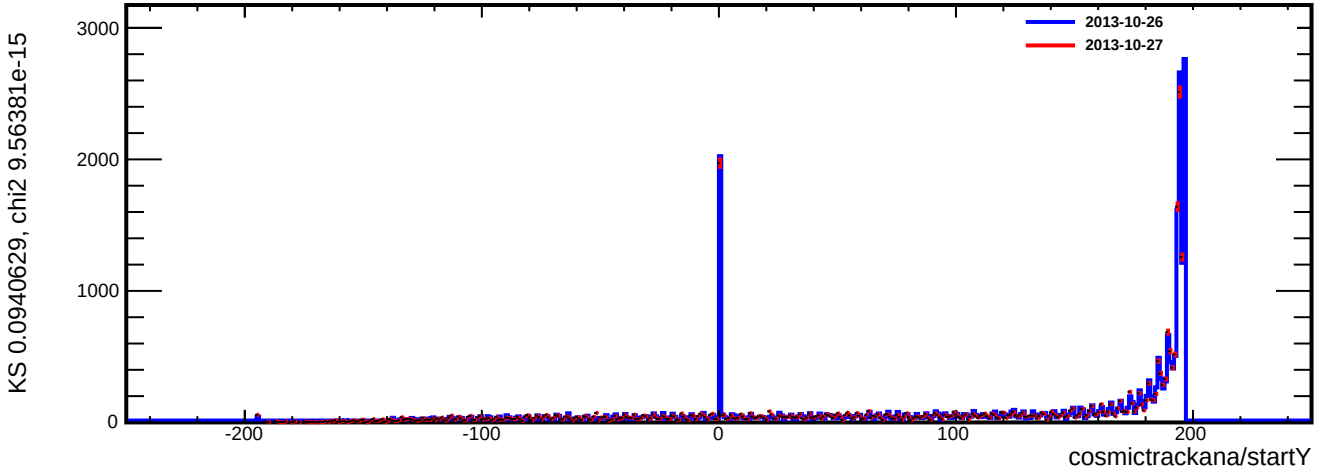

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

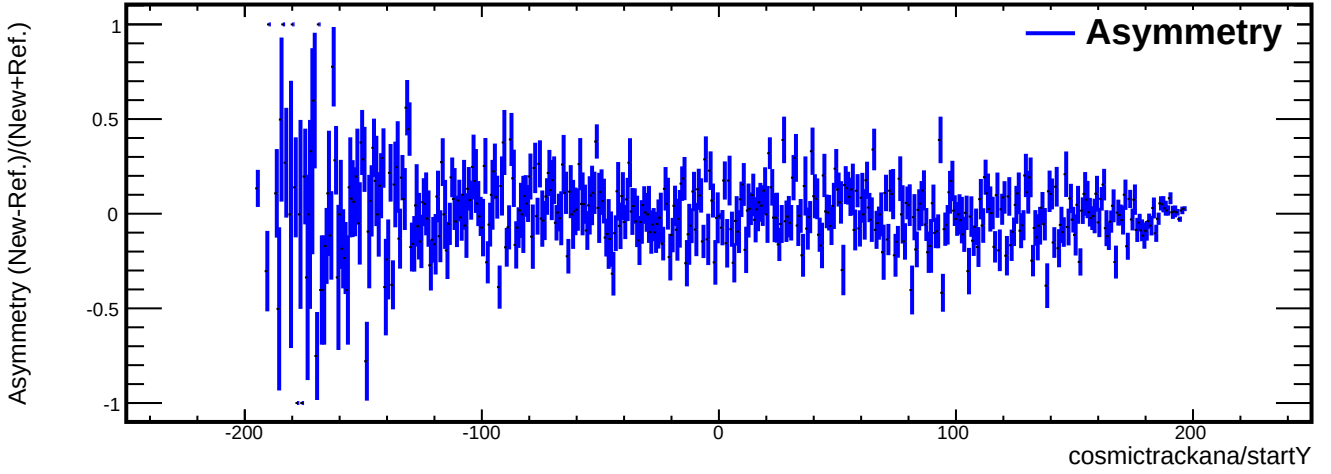

KS 0.110345, chi2 1.49164e-55
2013-10-26
2013-10-27
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

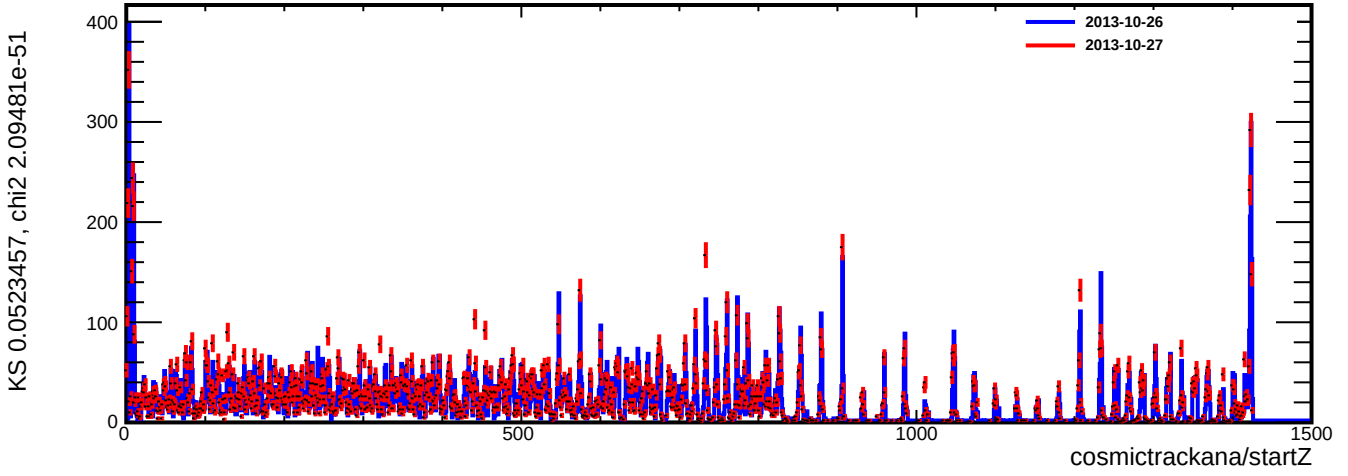

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

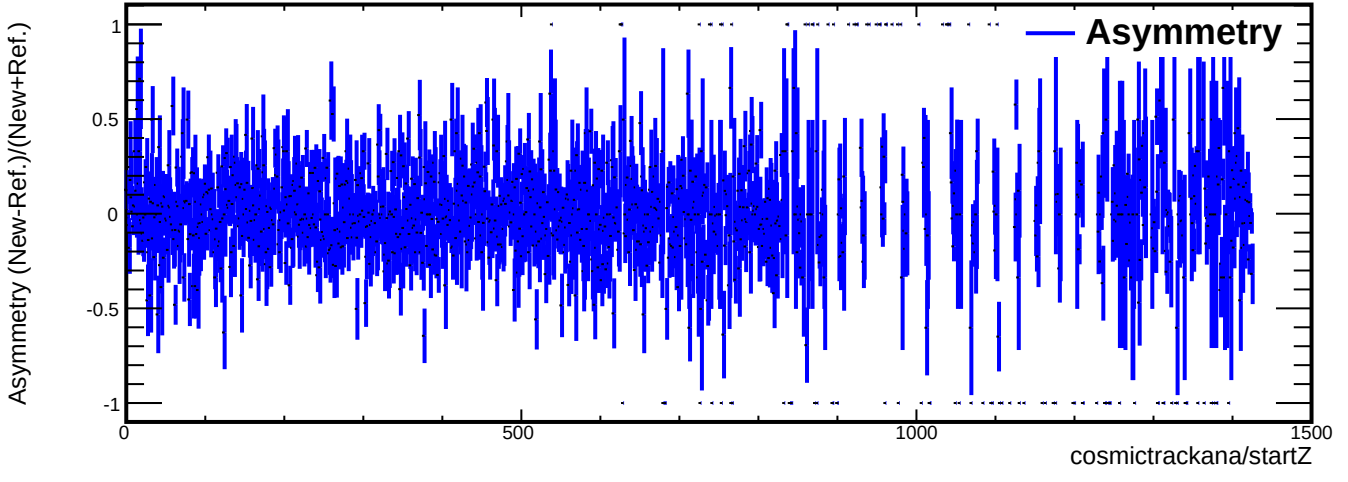

KS 0.0708573, chi2 3.53808e-13
2013-10-26
2013-10-27
cosmictrackana/startX

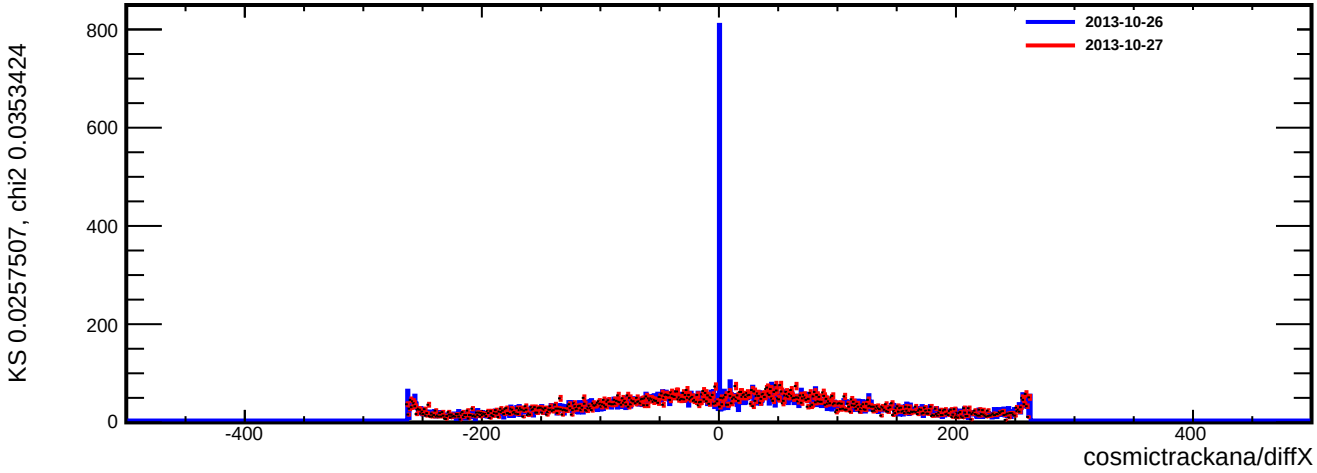

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/startX

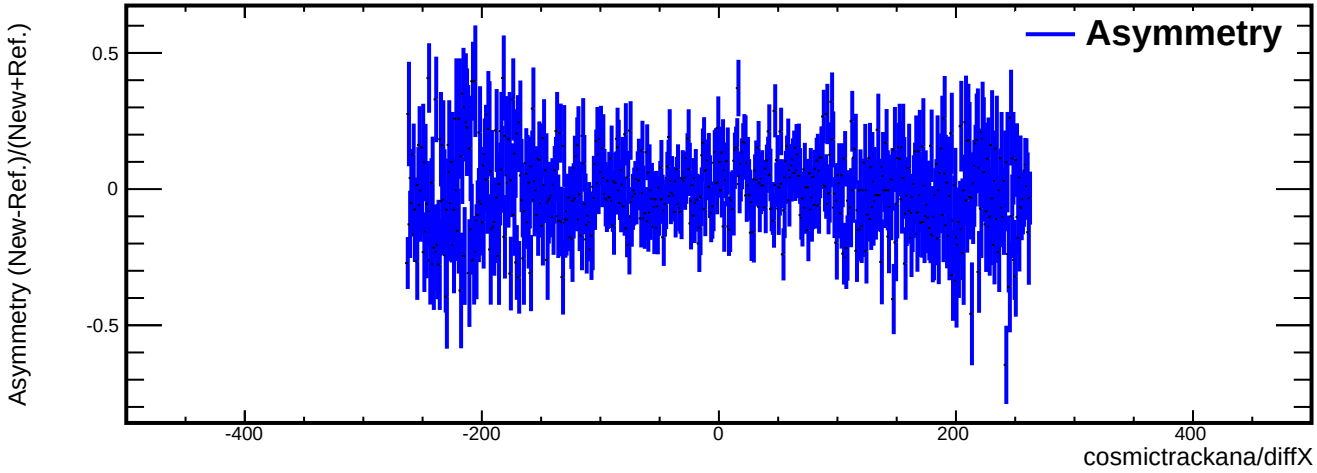

KS 0.0940629, chi2 9.56381e-15
2013-10-26
2013-10-27
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

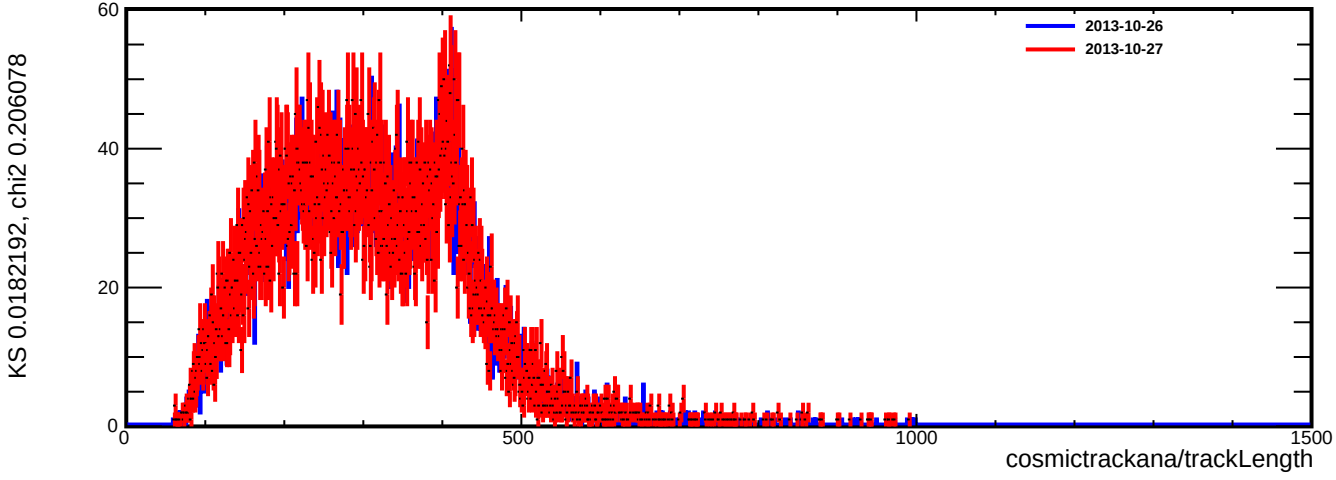

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

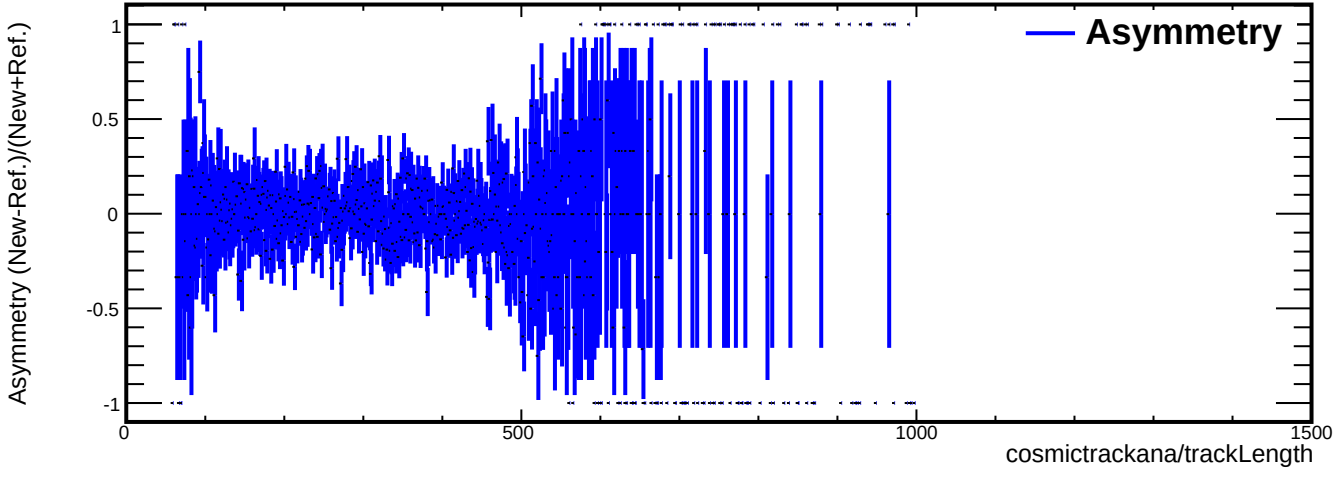

KS 0.0523457, chi2 2.09481e-51
2013-10-26
2013-10-27
400
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

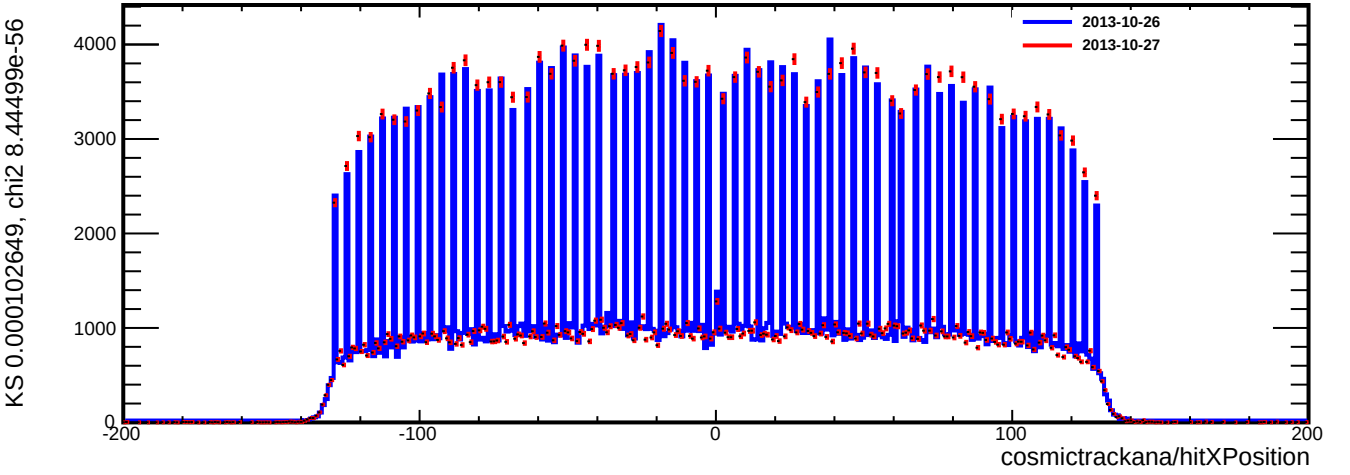

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

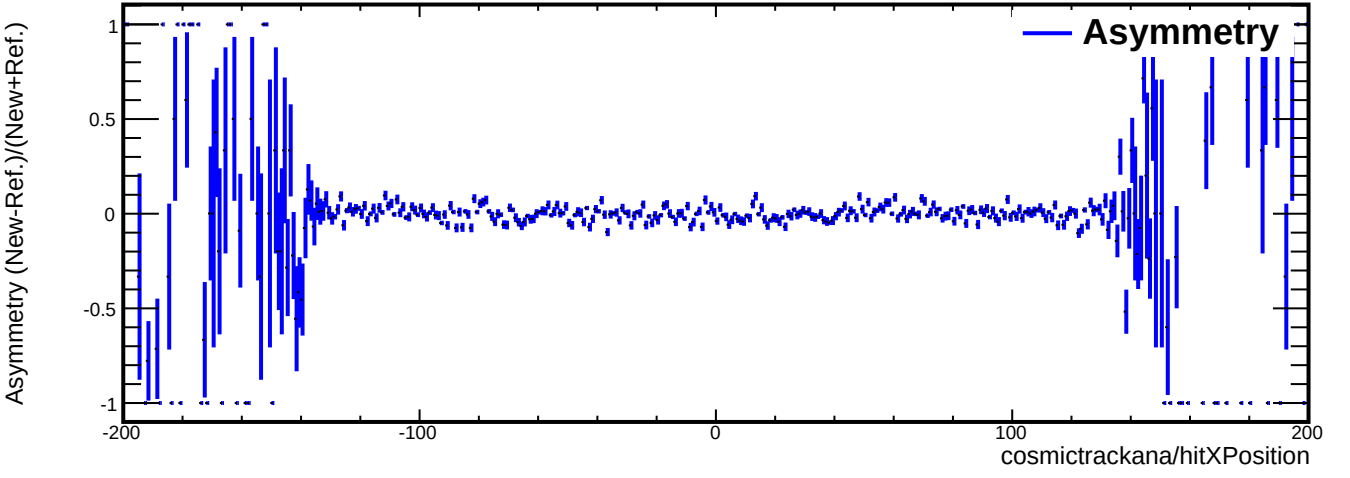

KS 0.0257507, chi2 0.0353424
2013-10-26
2013-10-27
800
600
400
200
0
-400
-200
0
200
400
cosmictrackana/diffX

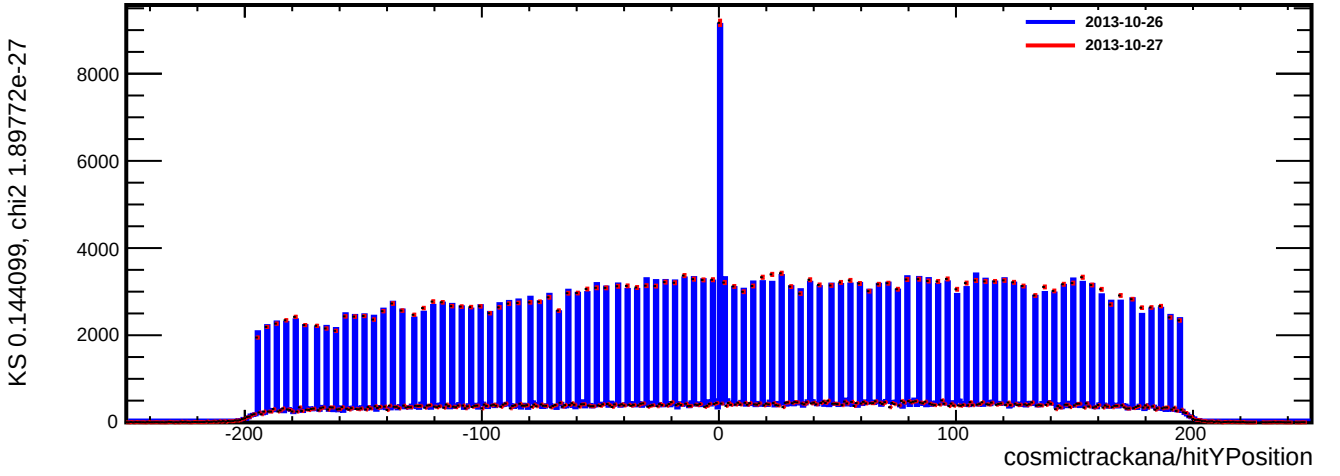

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-400
-200
0
200
400
cosmictrackana/diffX

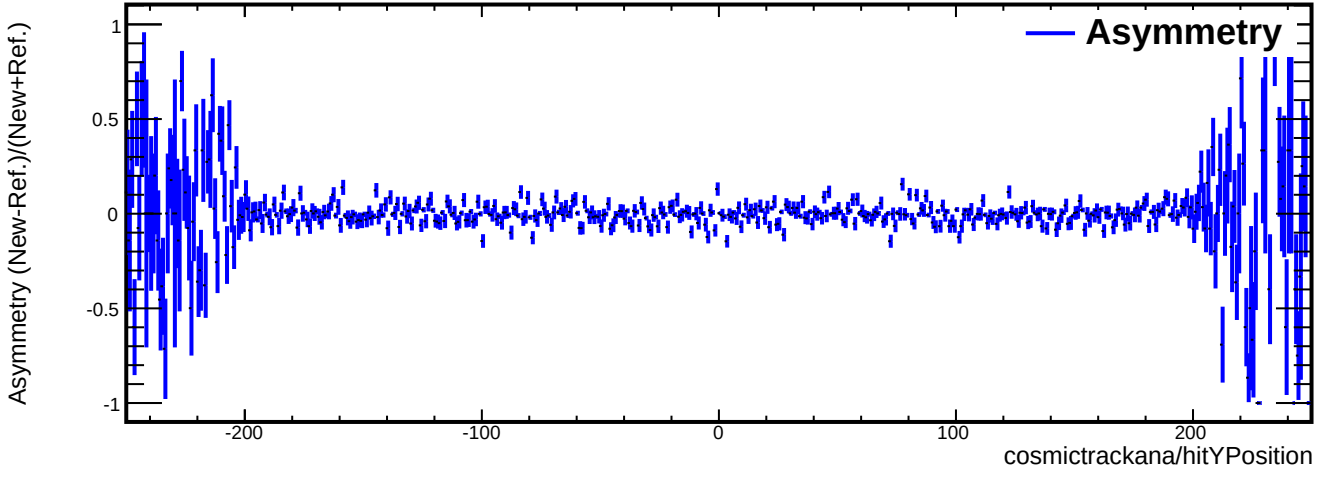

KS 0.0182192, chi2 0.206078
2013-10-26
2013-10-27
cosmictrackana/trackLength

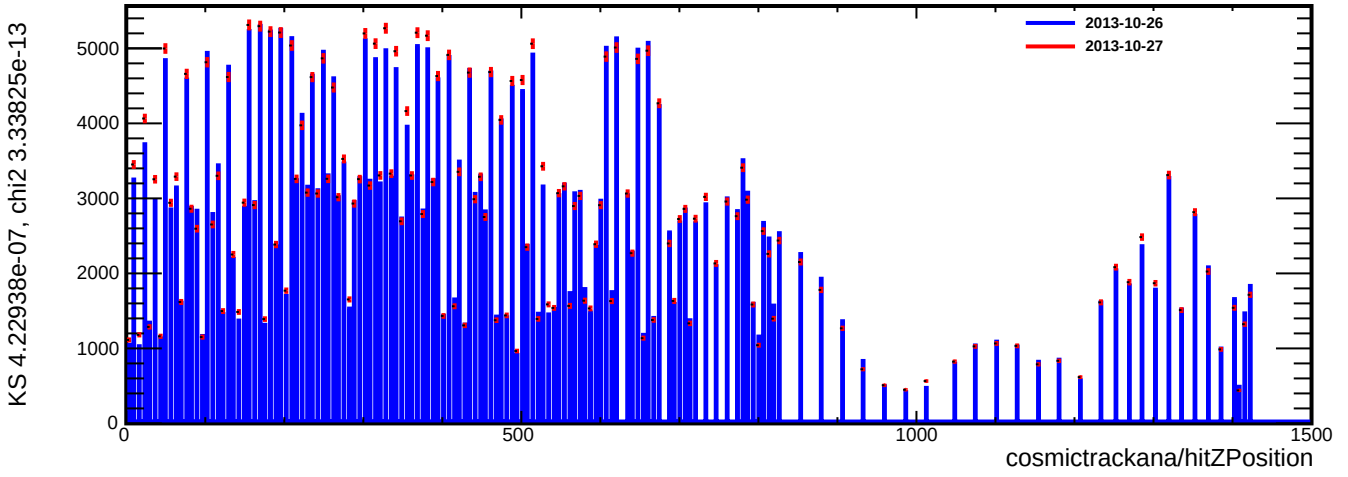

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/trackLength

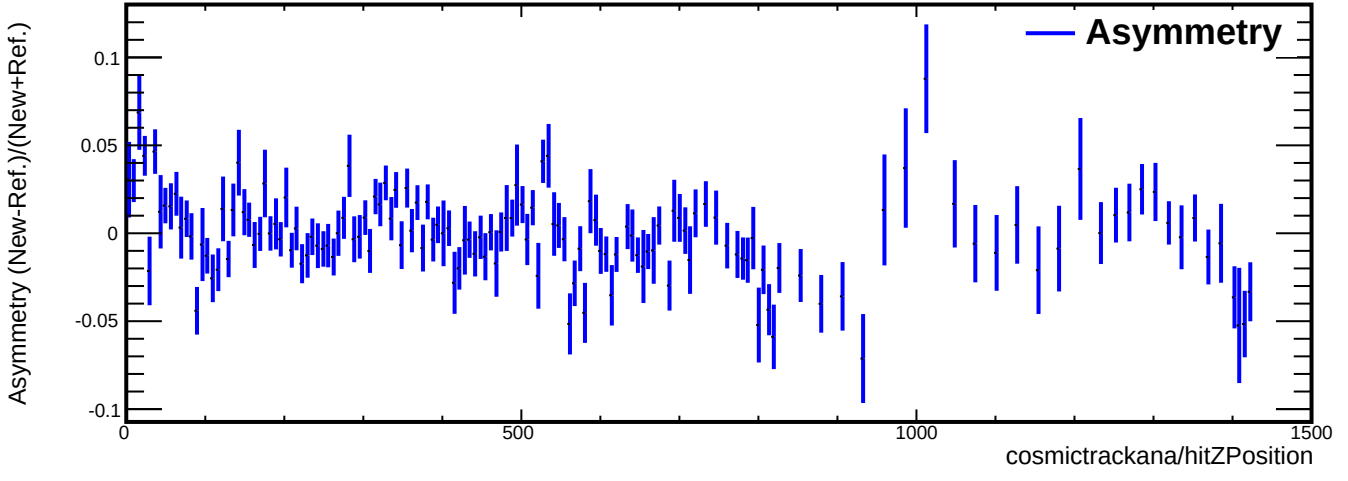

KS 0.000102649, chi2 8.44499e-56
2013-10-26
2013-10-27
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

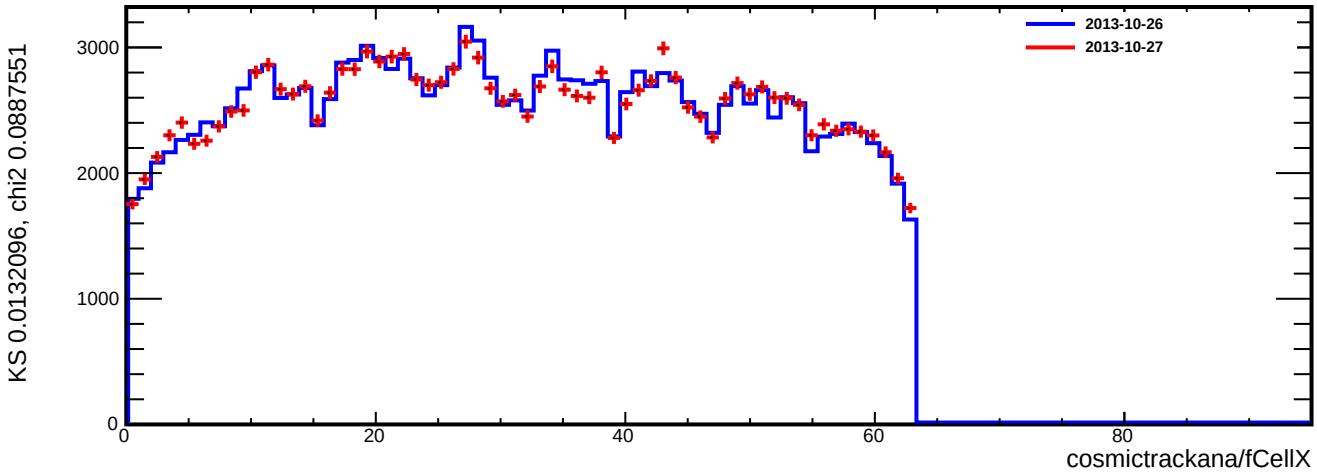

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

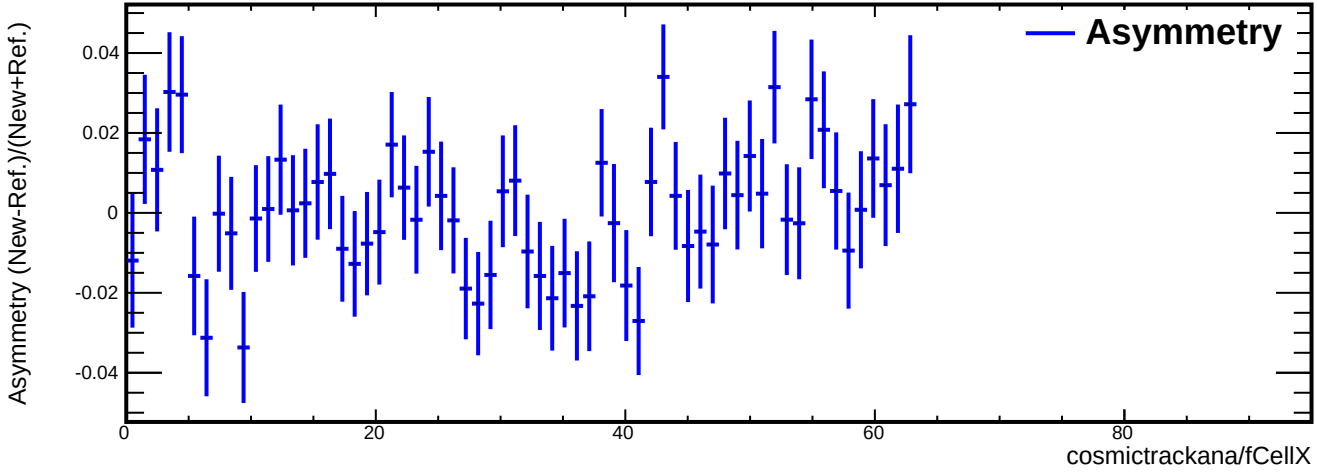

KS 0.144099, chi2 1.89772e-27
2013-10-26
2013-10-27
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

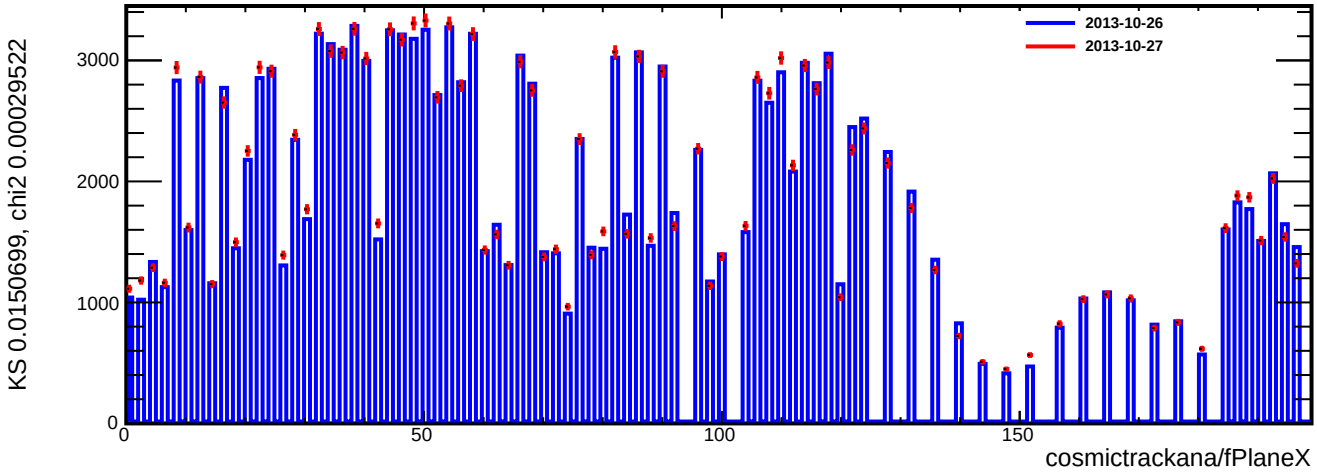

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

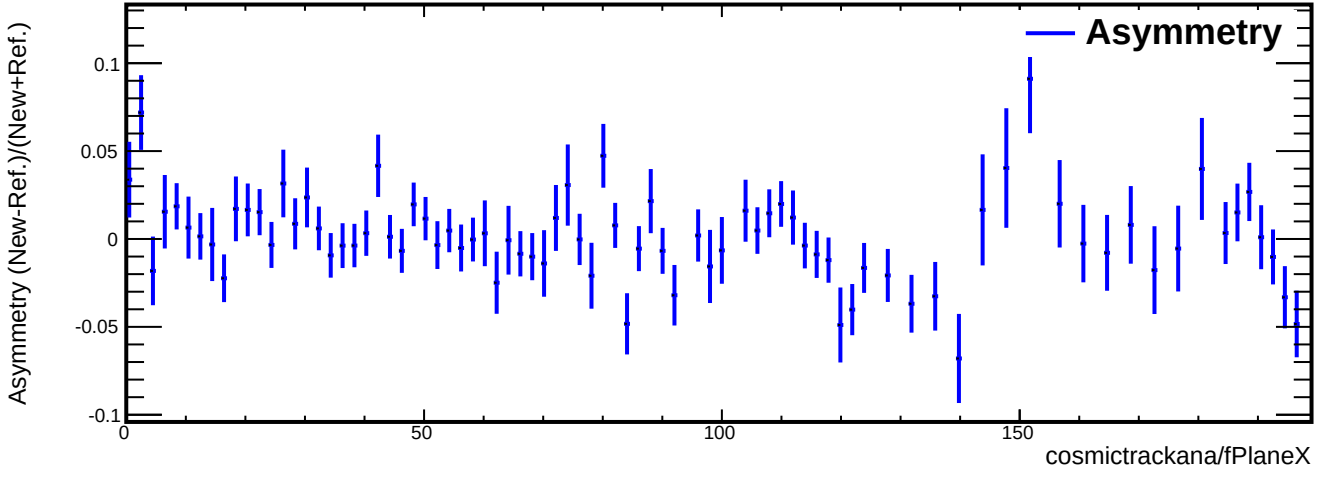

KS 4.22938e-07, chi2 3.33825e-13
2013-10-26
2013-10-27
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

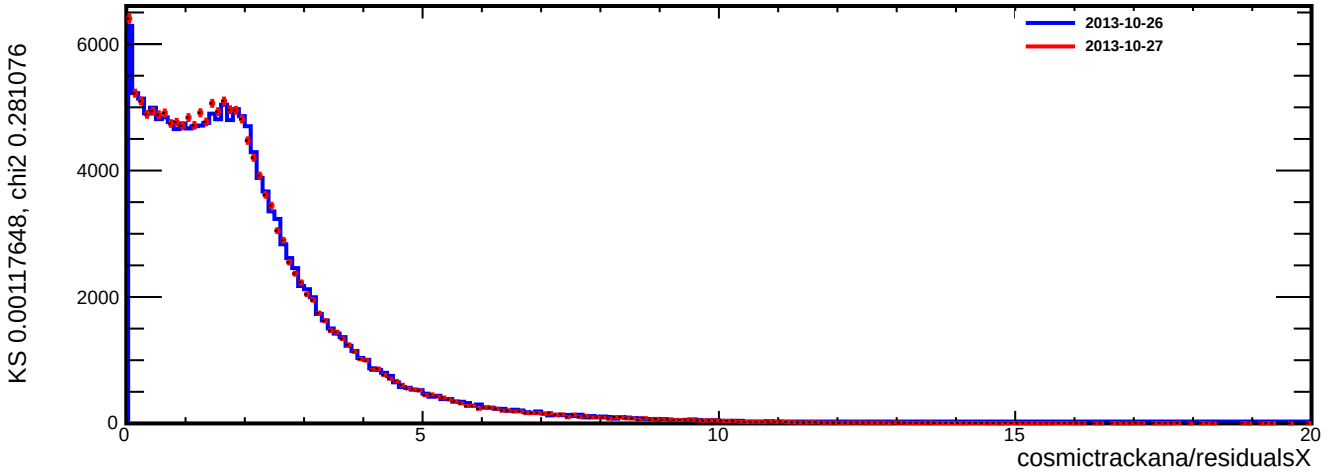

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
500
1000
1500
cosmictrackana/hitZPosition

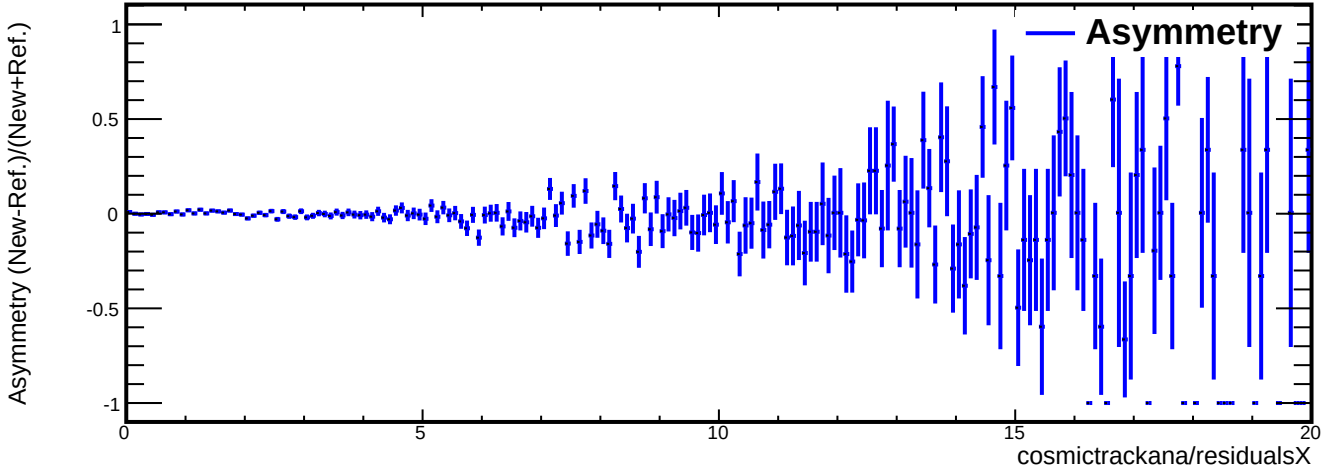

KS 0.0132096, chi2 0.0887551
2013-10-26
2013-10-27
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellX

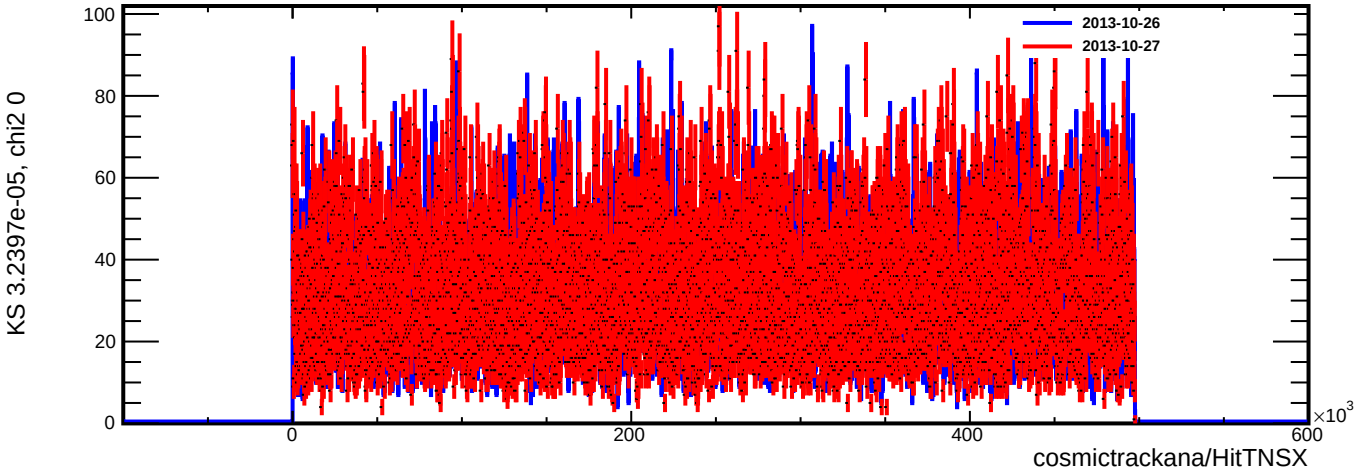

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellX

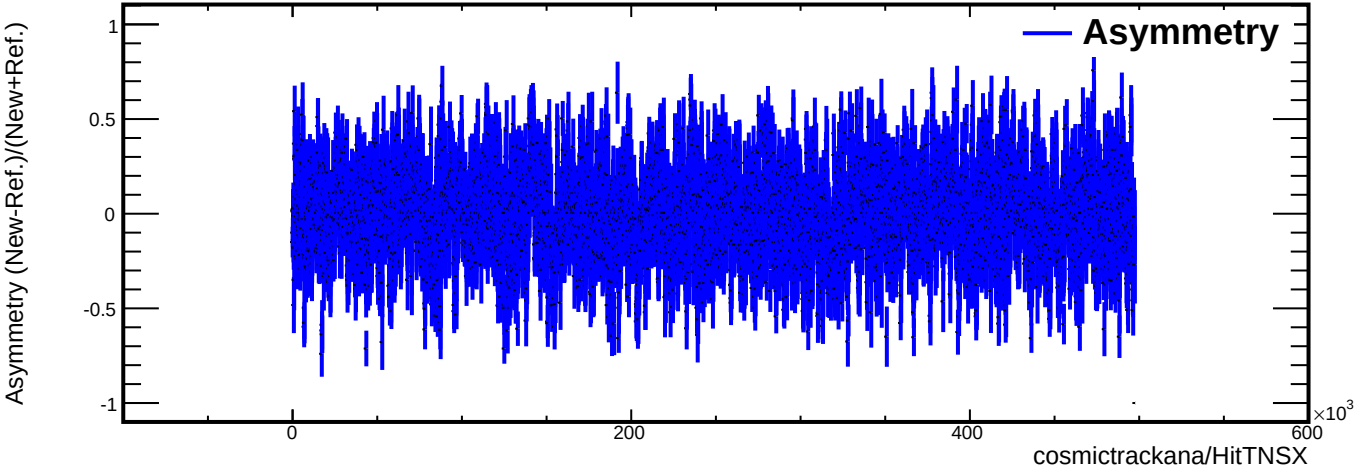

KS 0.0150699, chi2 0.00029522
2013-10-26
2013-10-27
3000
2000
1000
0
0
50
100
150
cosmictrackana/fPlaneX

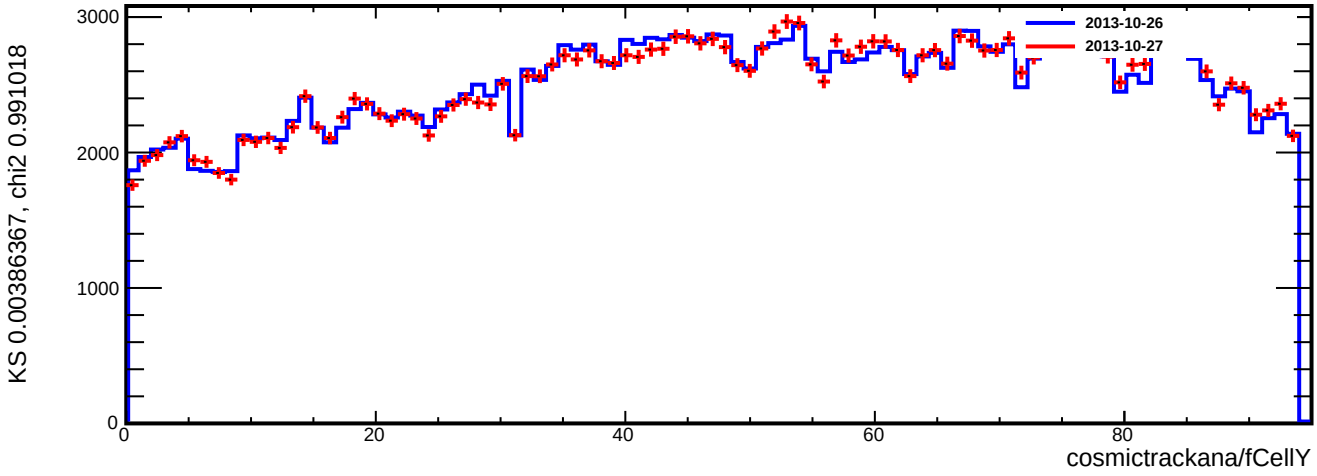

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
50
100
150
cosmictrackana/fPlaneX

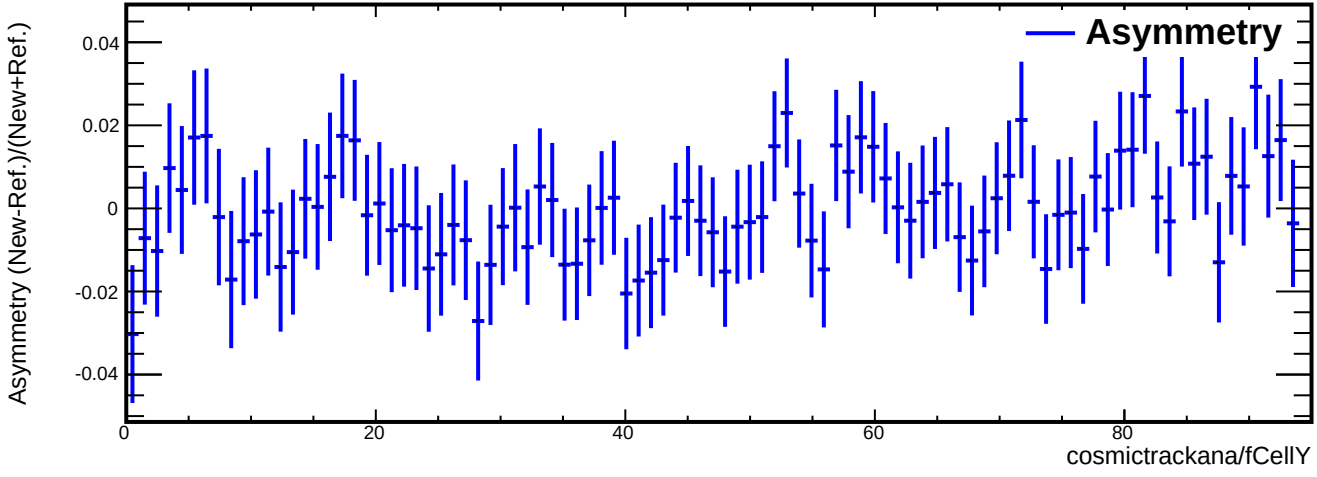

KS 0.00117648, chi2 0.281076
2013-10-26
2013-10-27
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX

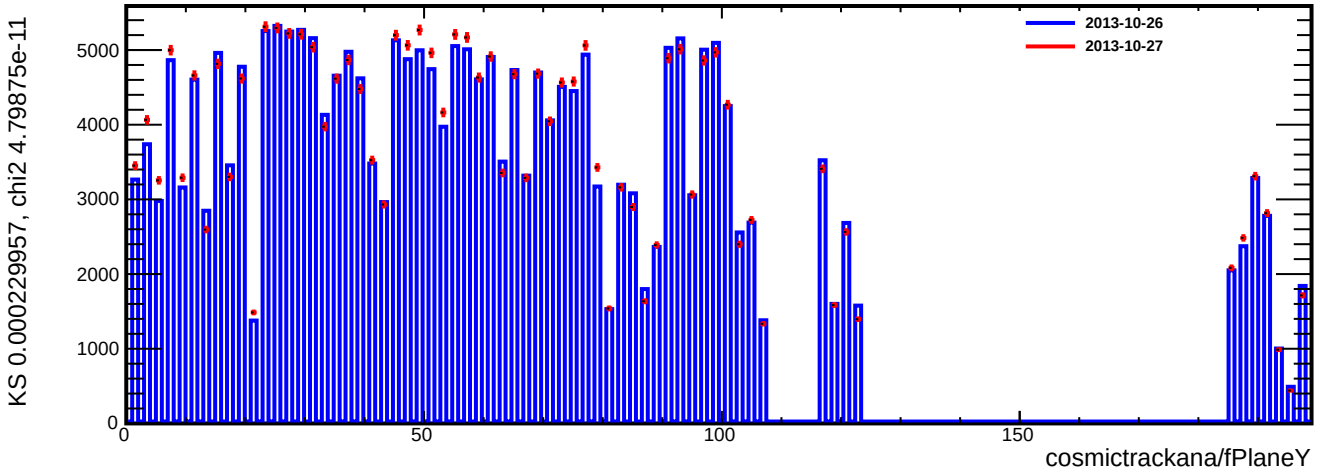

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX

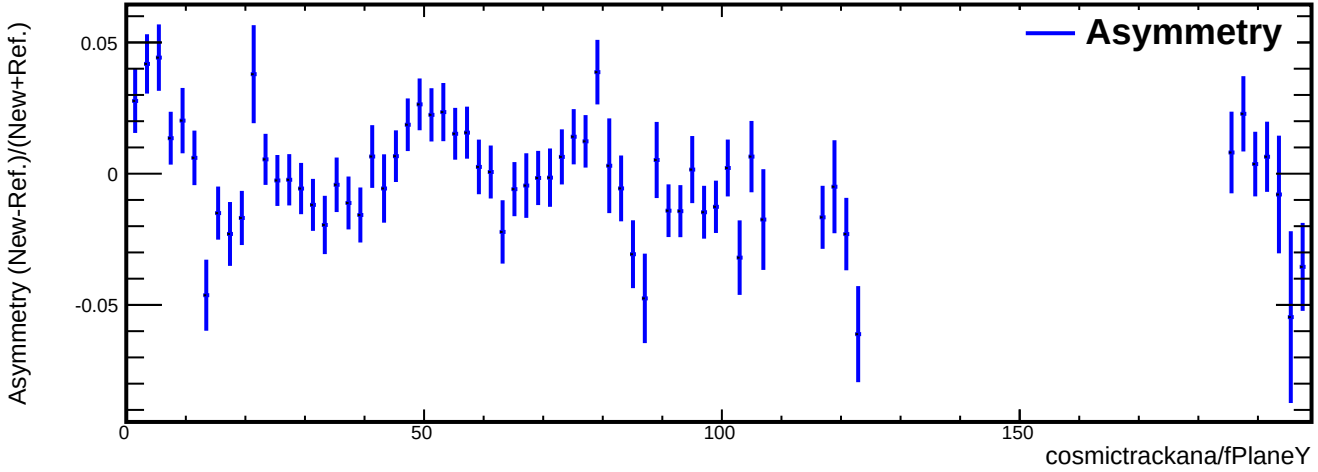

KS 3.2397e-05, chi2 0
2013-10-26
2013-10-27
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

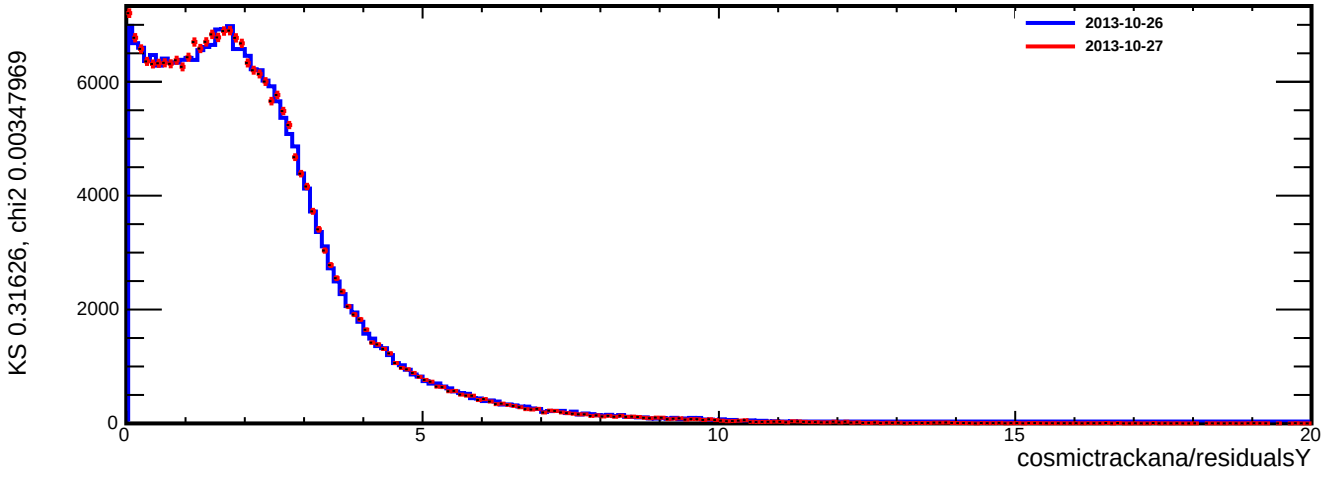

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX

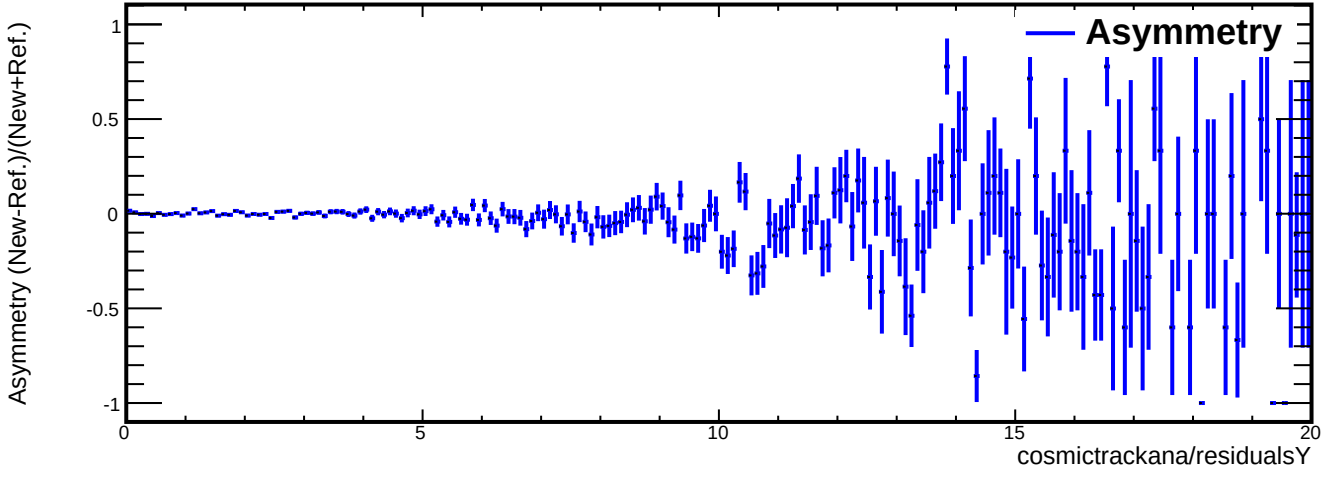

KS 0.00386367, chi2 0.991018
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY
2013-10-26
2013-10-27

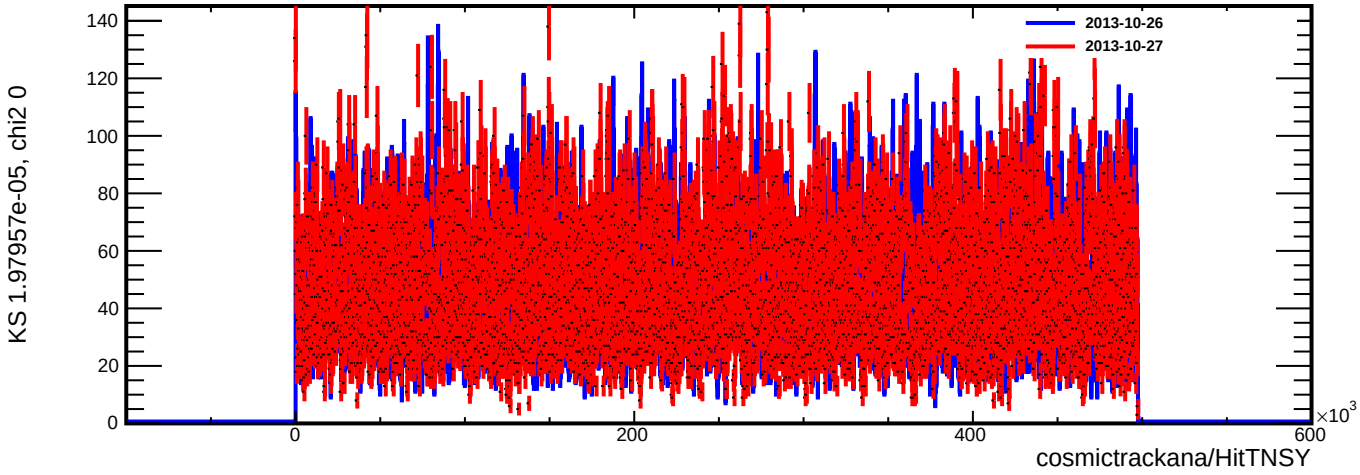

Asymmetry (New-Ref.)/(New+Ref.)
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellY
Asymmetry

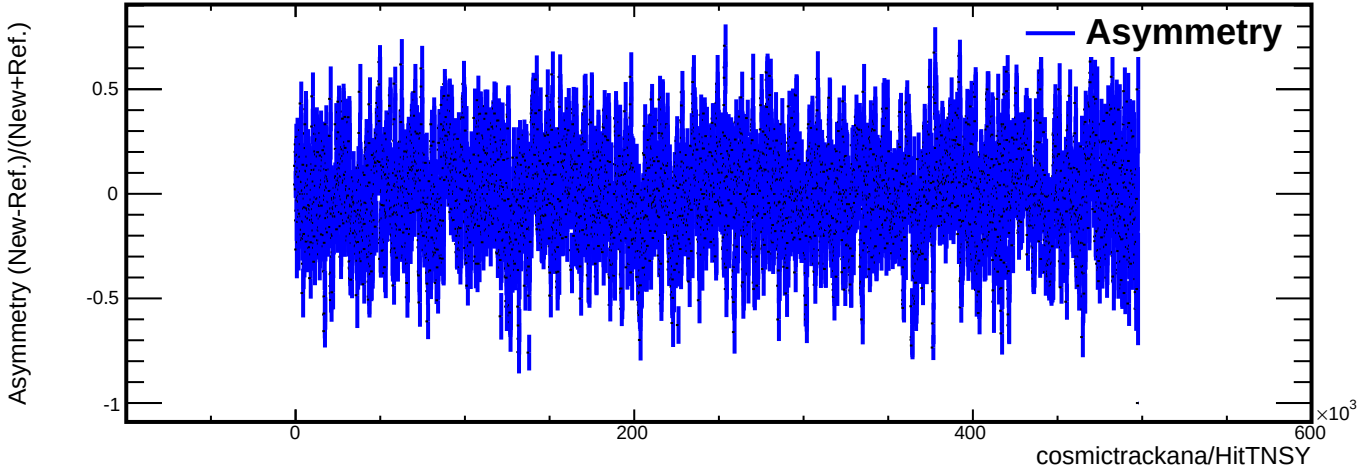

KS 0.000229957, chi2 4.79875e-11
2013-10-26
2013-10-27
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


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


KS 0.31626, chi2 0.00347969
2013-10-26
2013-10-27
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


KS 1.97957e-05, chi2 0
2013-10-26
2013-10-27
140
120
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


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