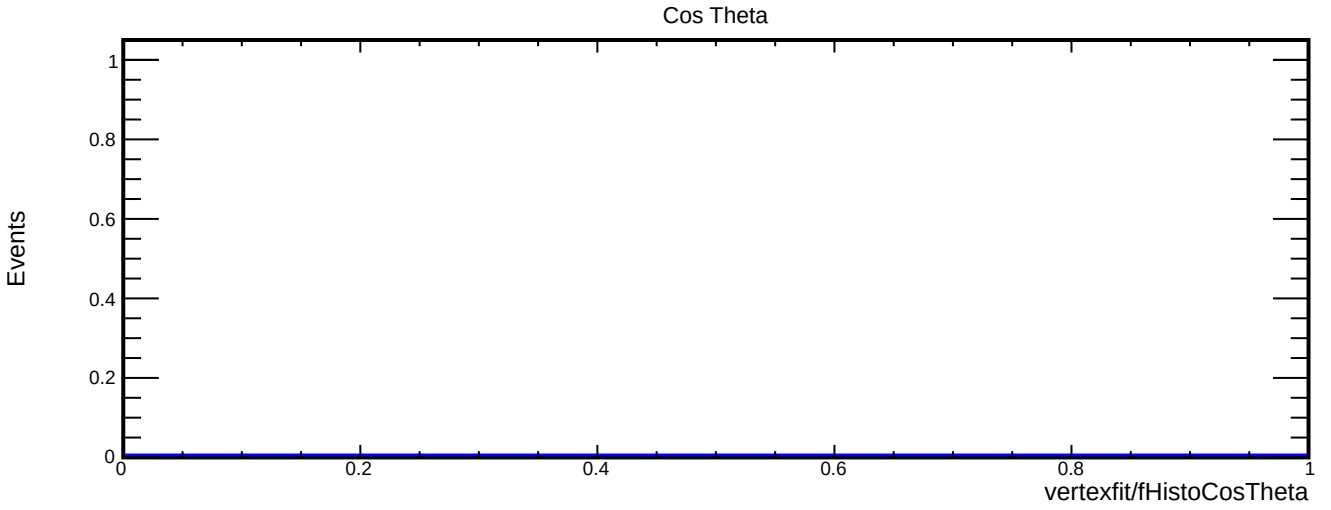
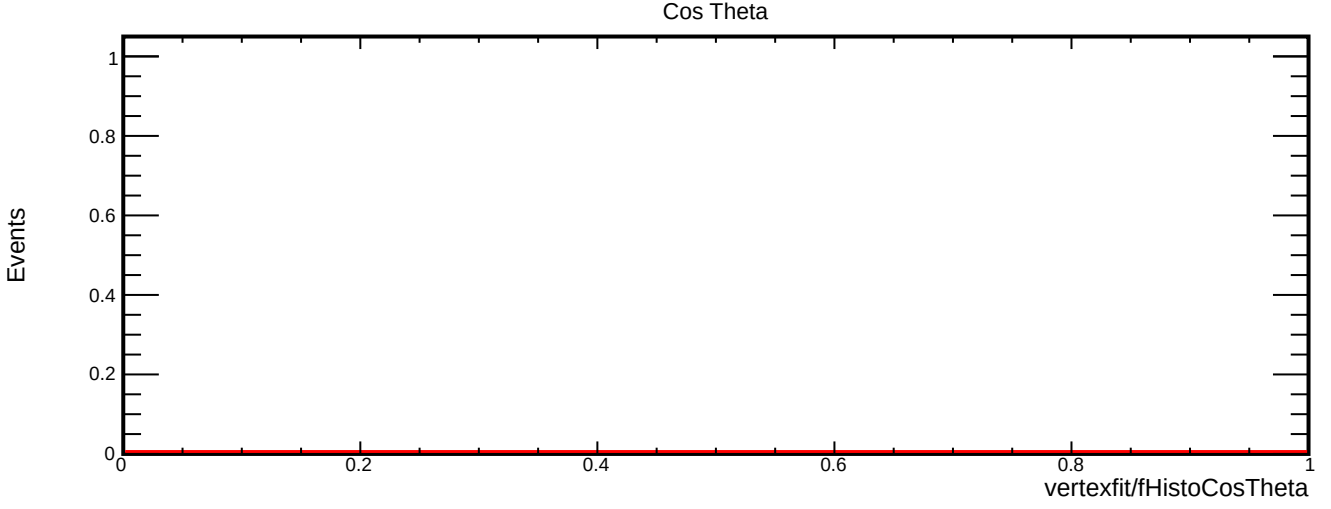
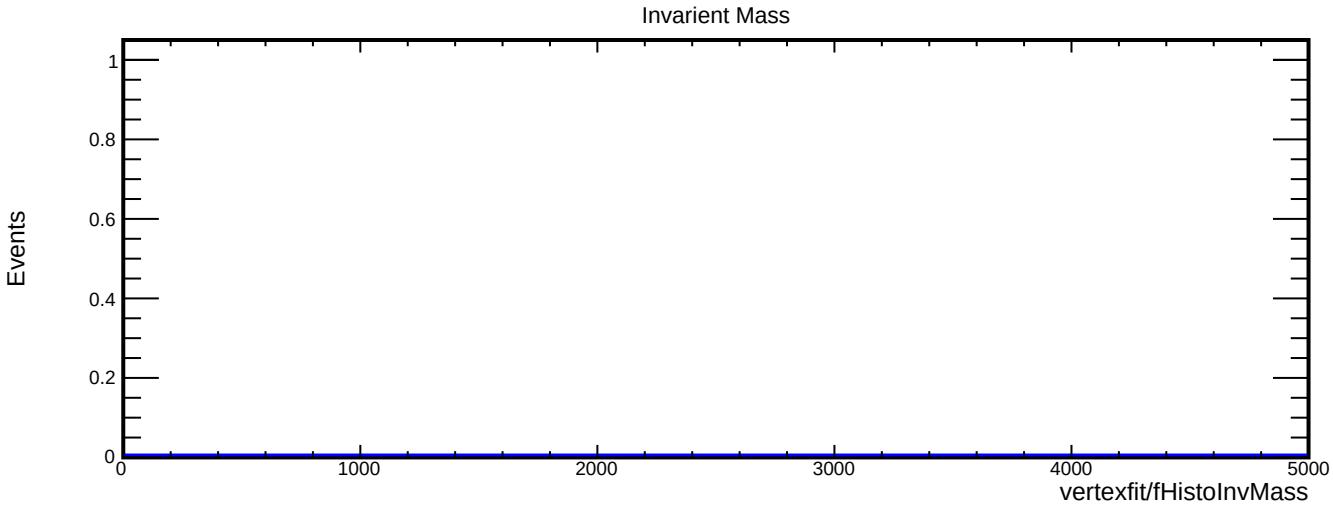
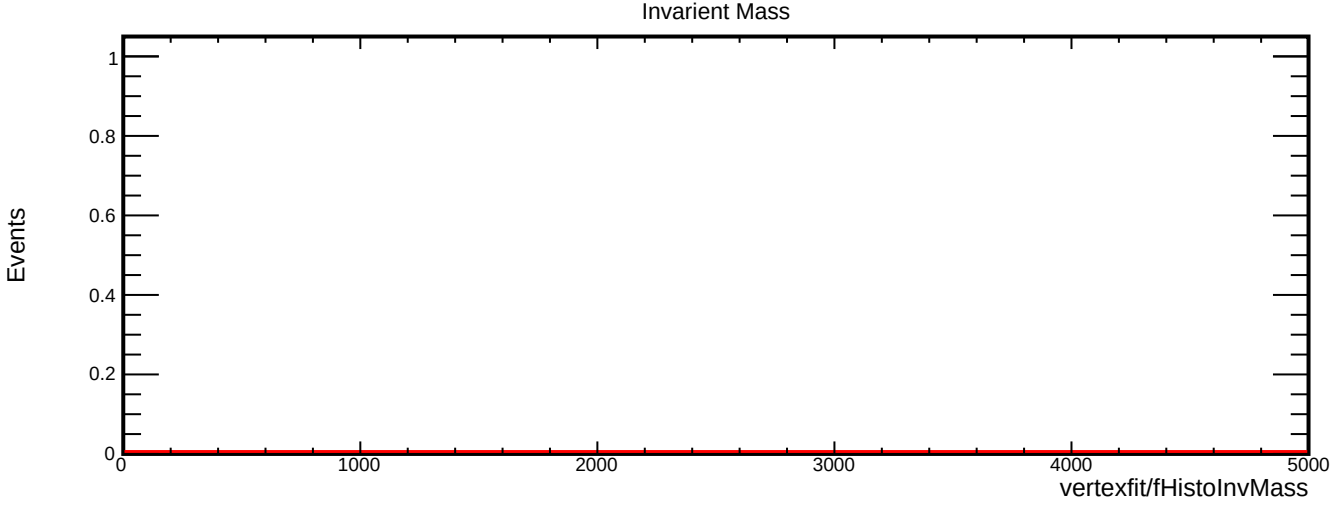
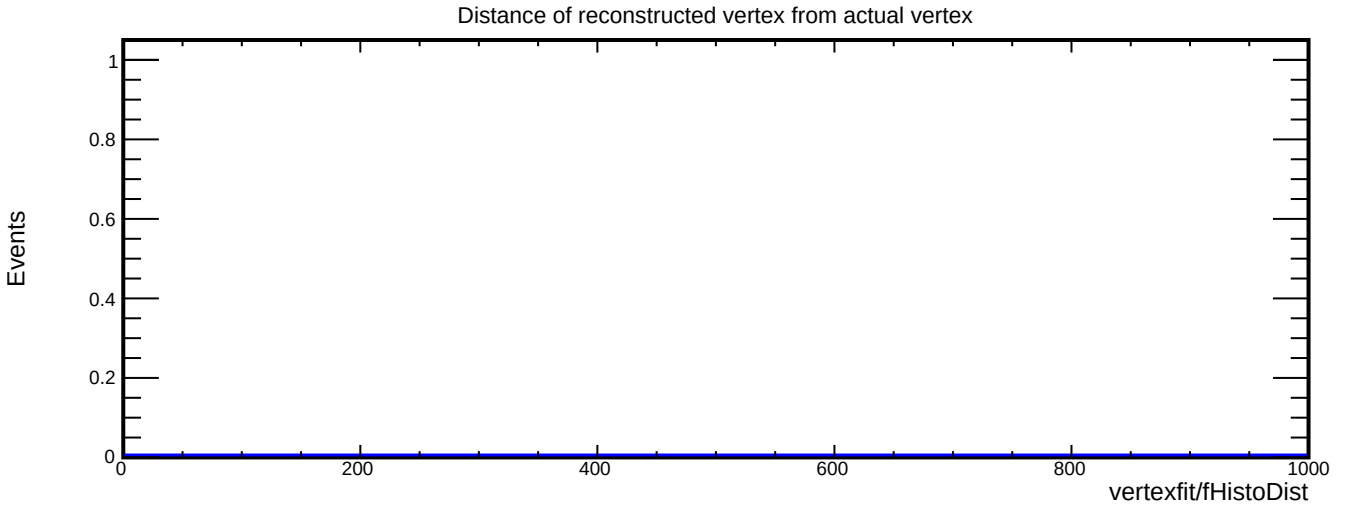
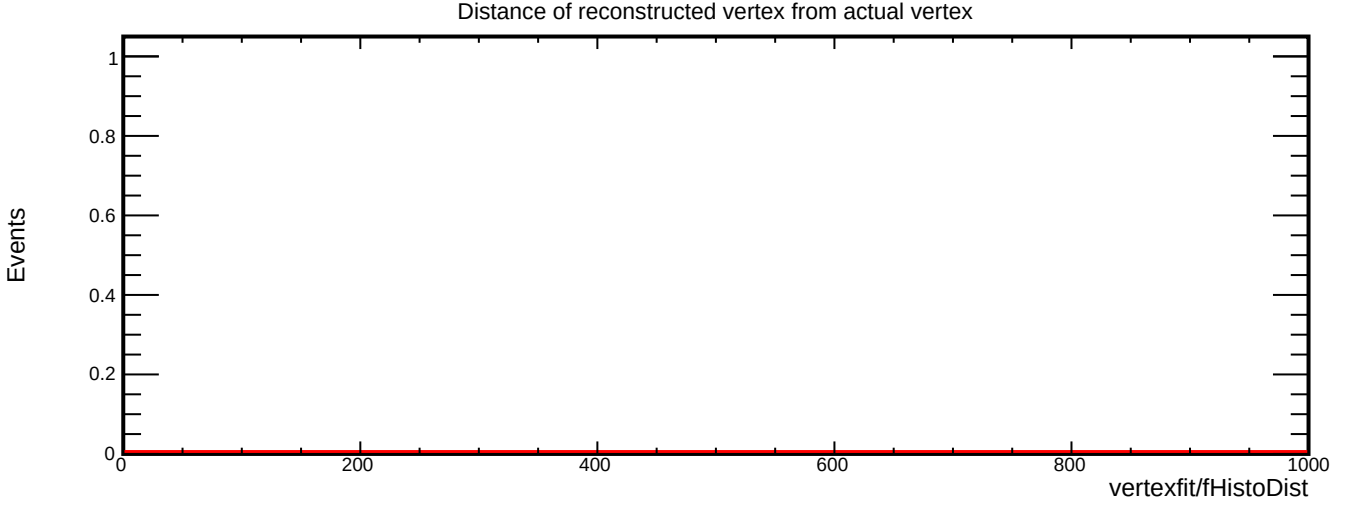

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

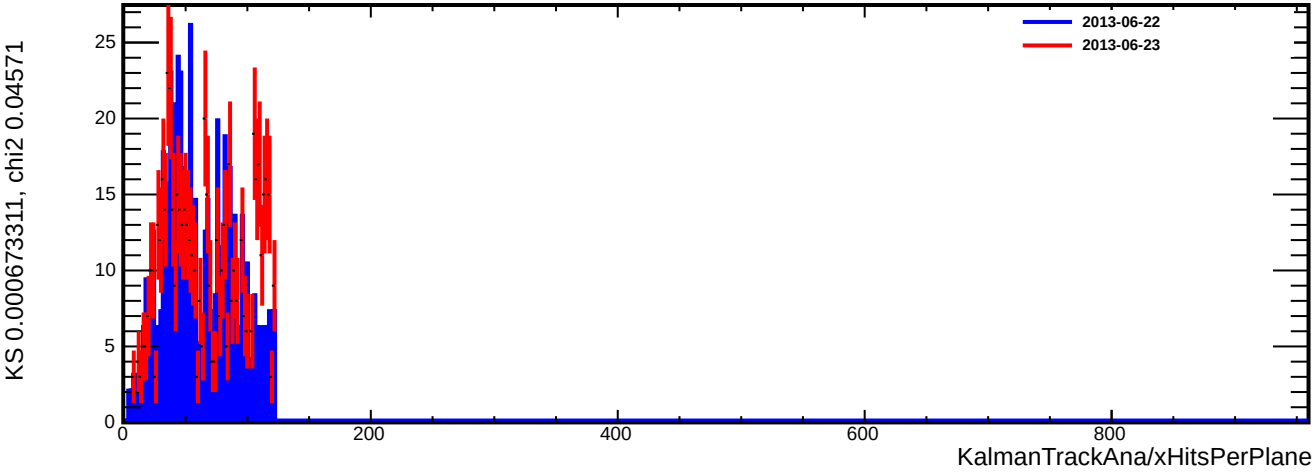

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

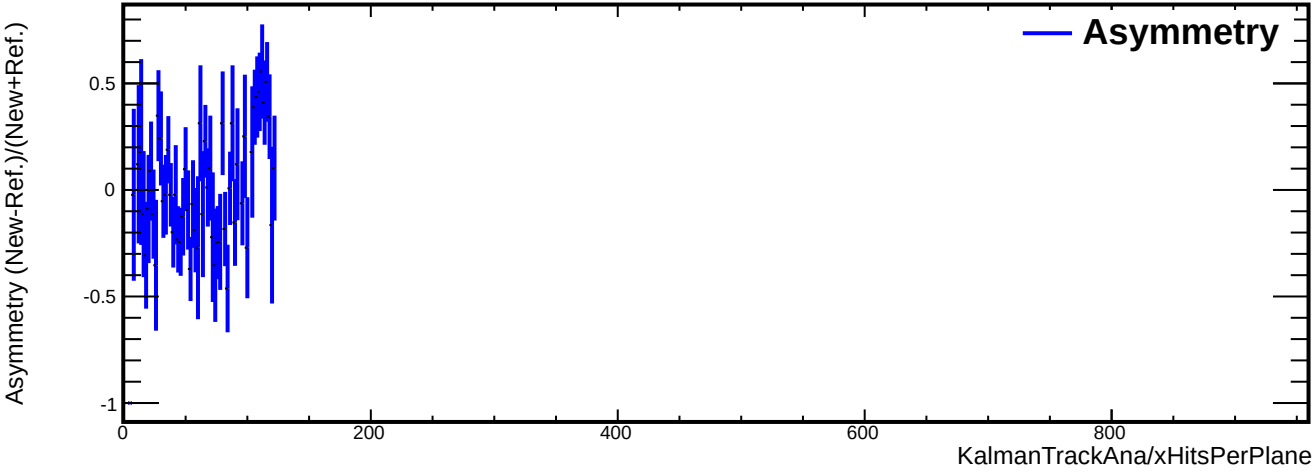

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

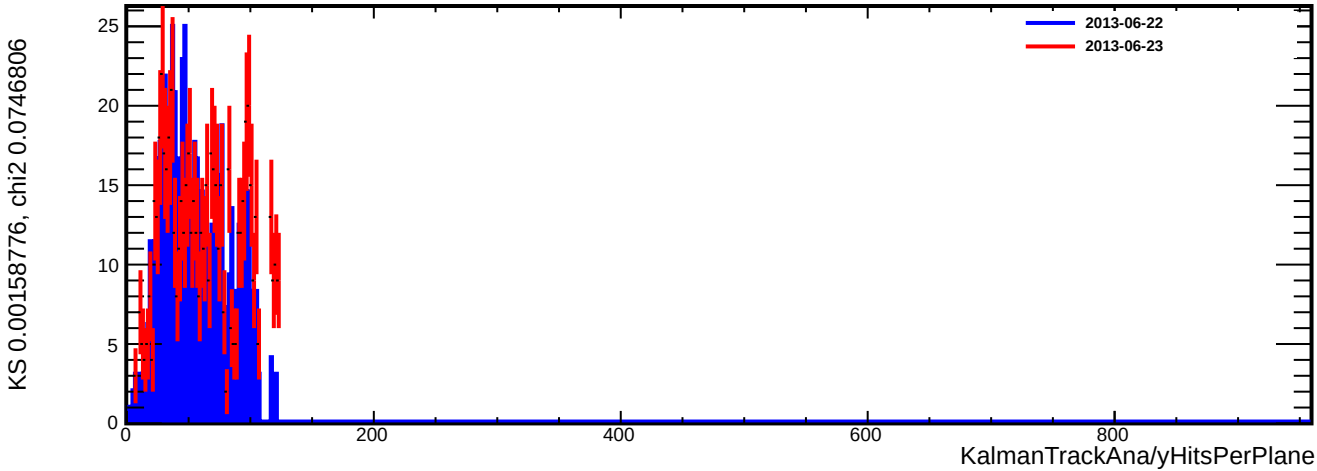

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

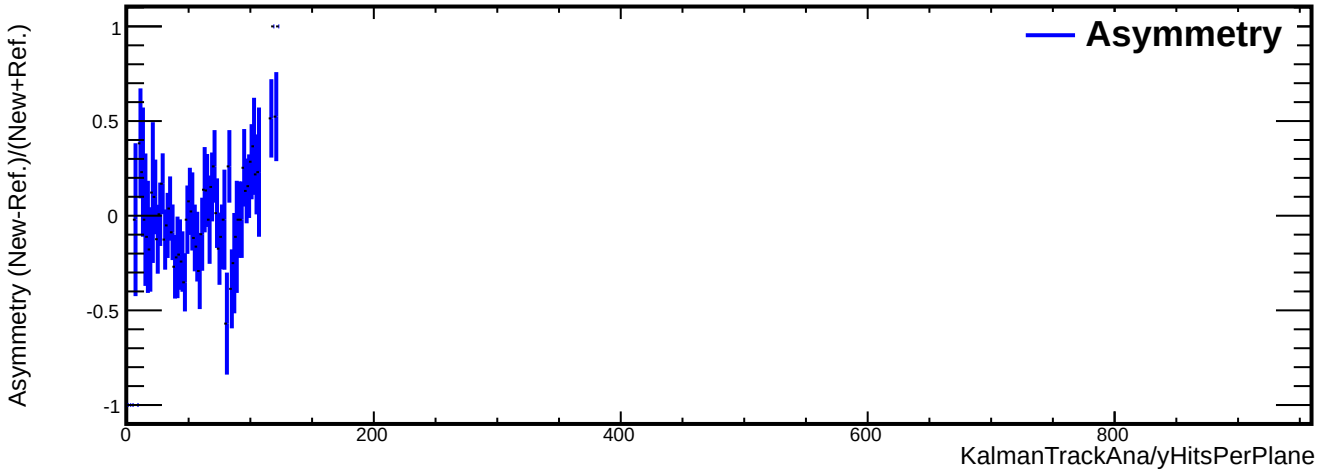

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

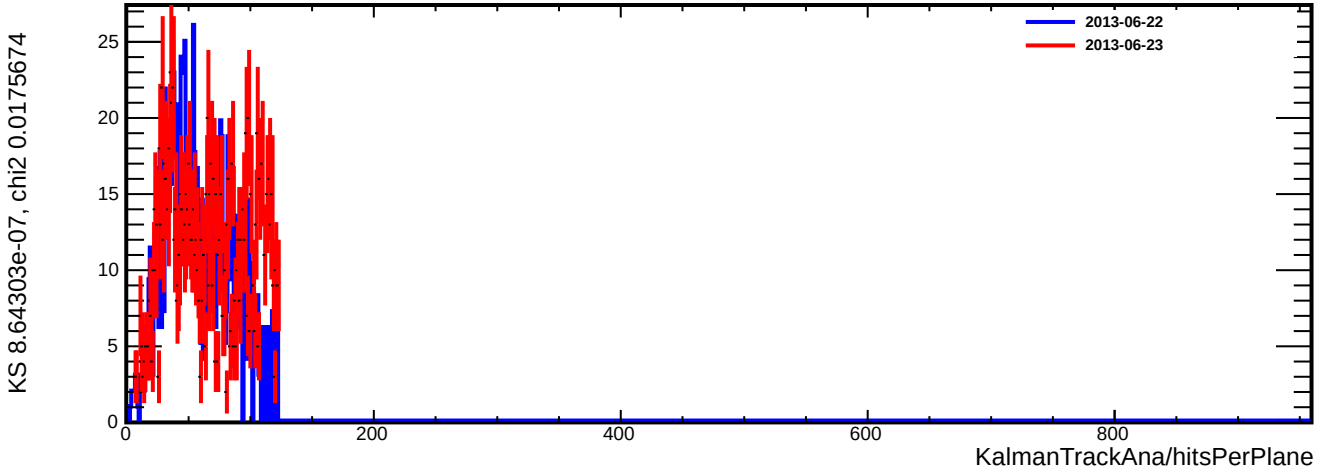

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

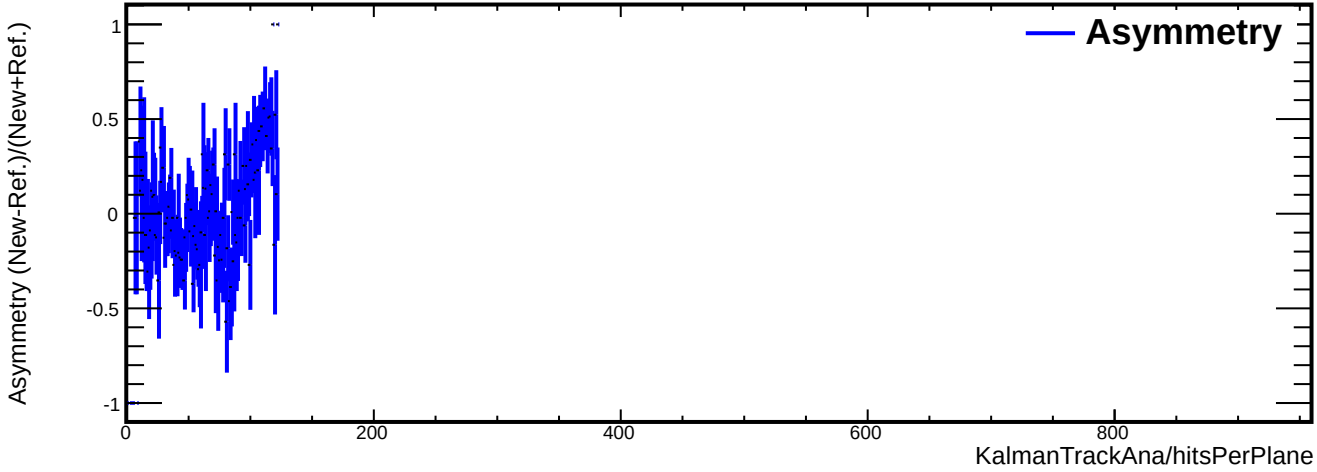

KS 0.000673311, chi2 0.04571
2013-06-22
2013-06-23
0
5
10
15
20
25
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

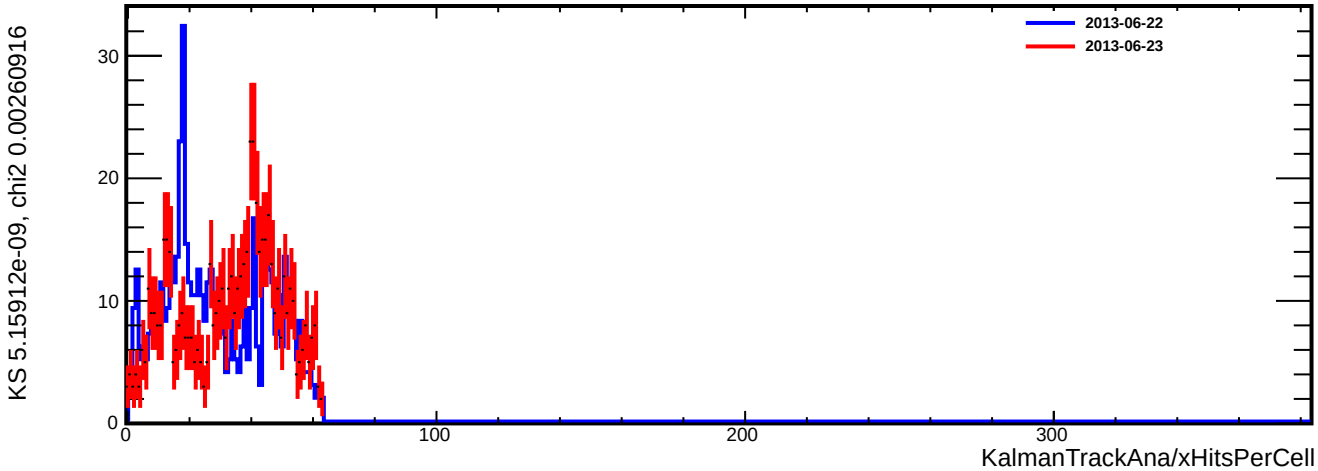

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-1
-0.5
0
0.5
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

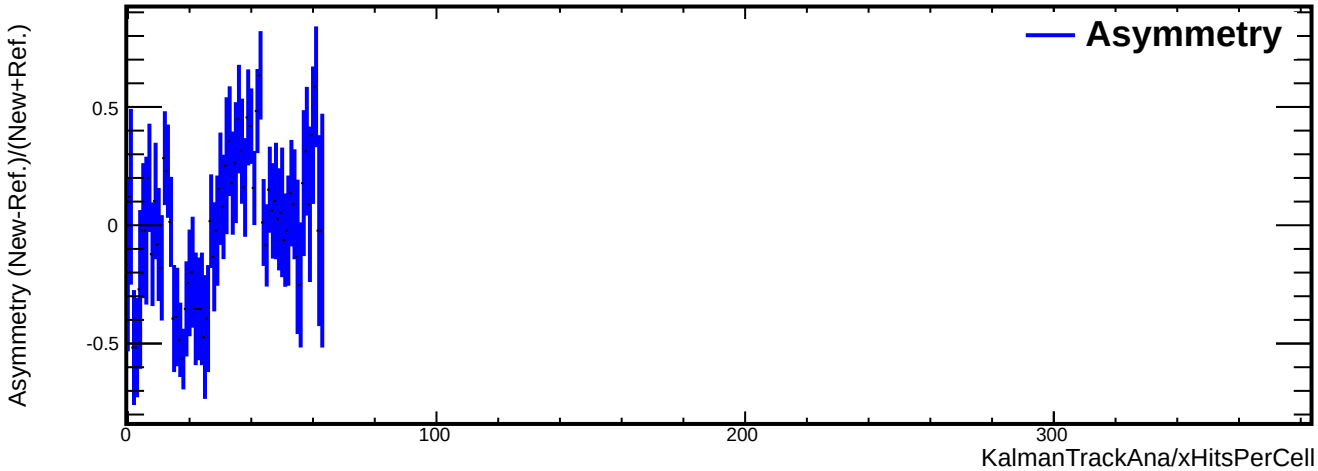

KS 0.00158776, chi2 0.0746806
2013-06-22
2013-06-23
KalmanTrackAna/yHitsPerPlane

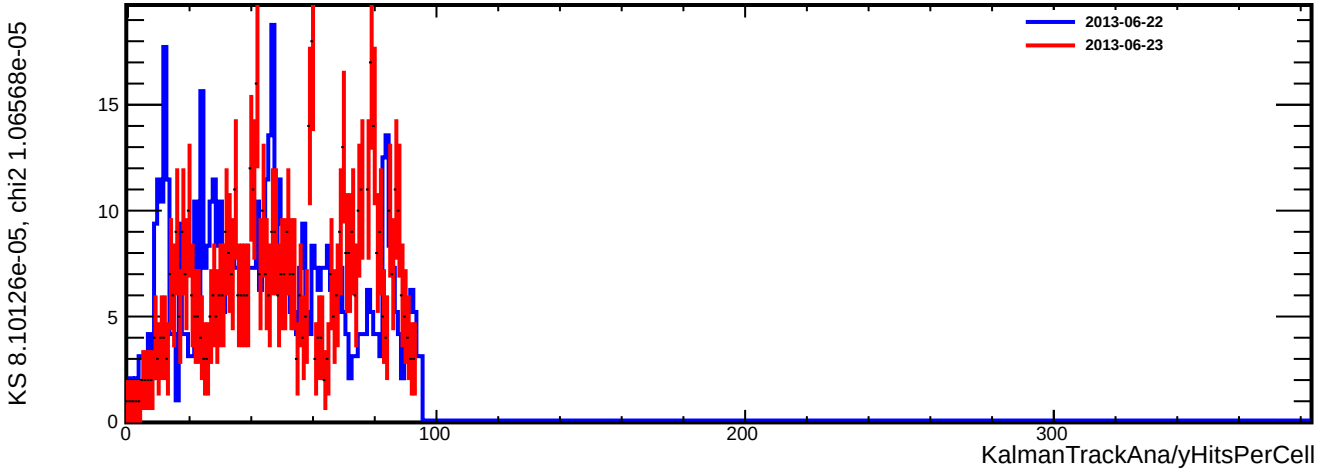

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yHitsPerPlane

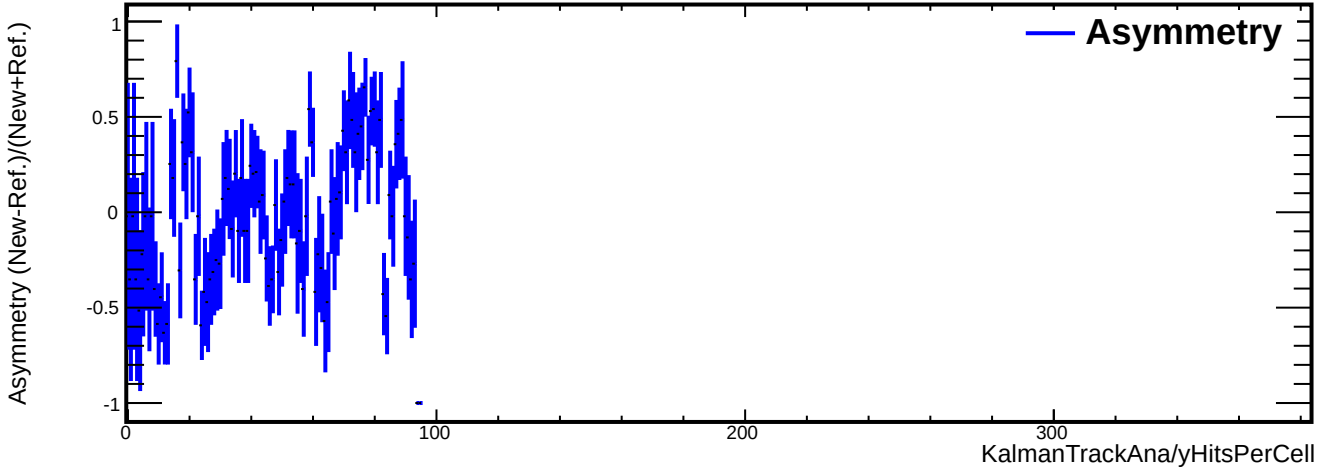

KS 8.64303e-07, chi2 0.0175674
2013-06-22
2013-06-23
0
5
10
15
20
25
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

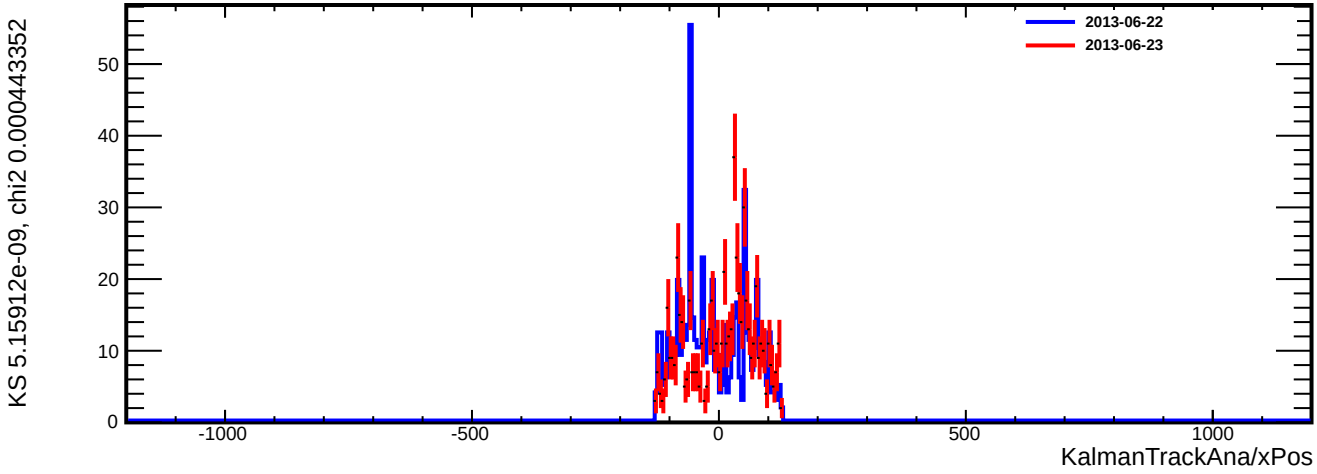

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

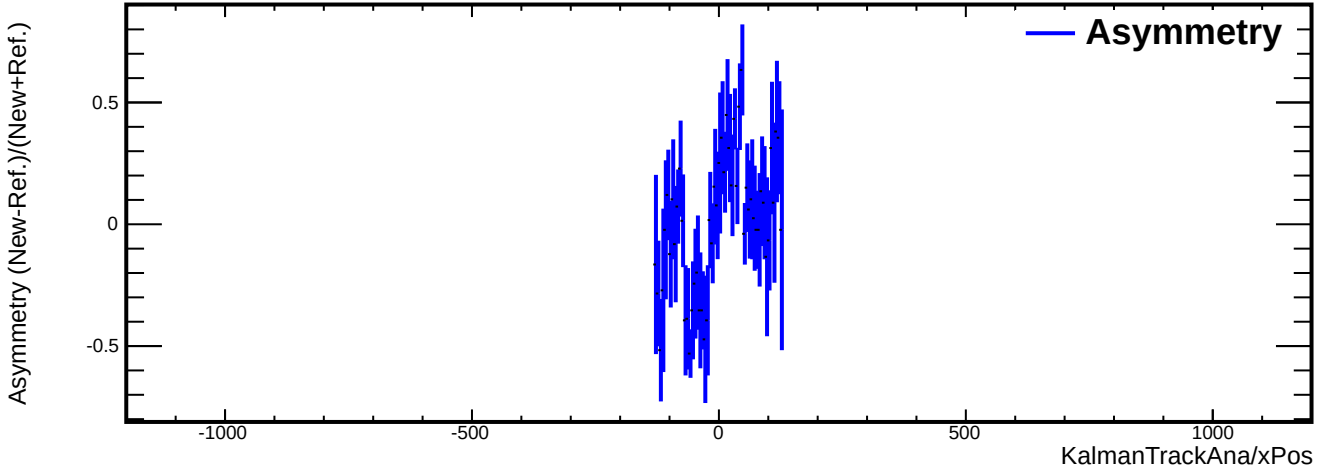

KS 5.15912e-09, chi2 0.00260916
2013-06-22
2013-06-23
30
20
10
0
0
100
200
300
KalmanTrackAna/xHitsPerCell

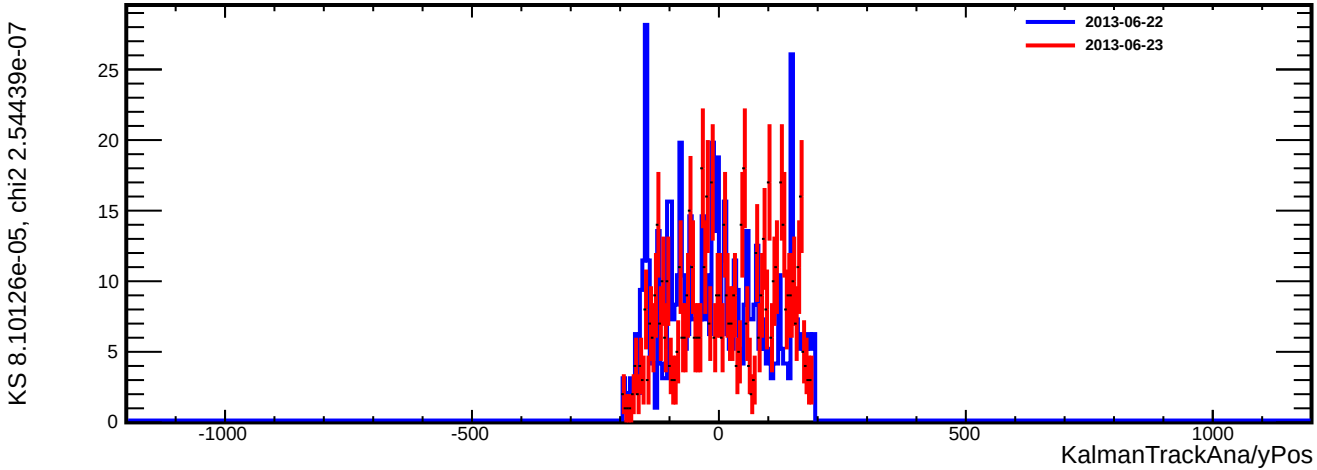

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
0
100
200
300
KalmanTrackAna/xHitsPerCell

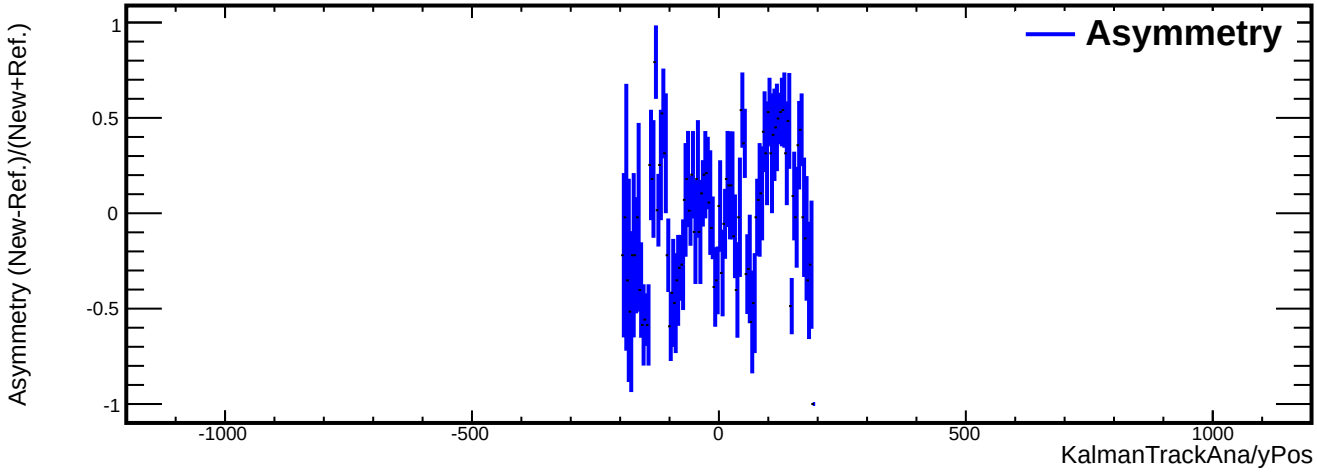

KS 8.10126e-05, chi2 1.06568e-05
2013-06-22
2013-06-23
0
5
10
15
0
100
200
300
KalmanTrackAna/yHitsPerCell

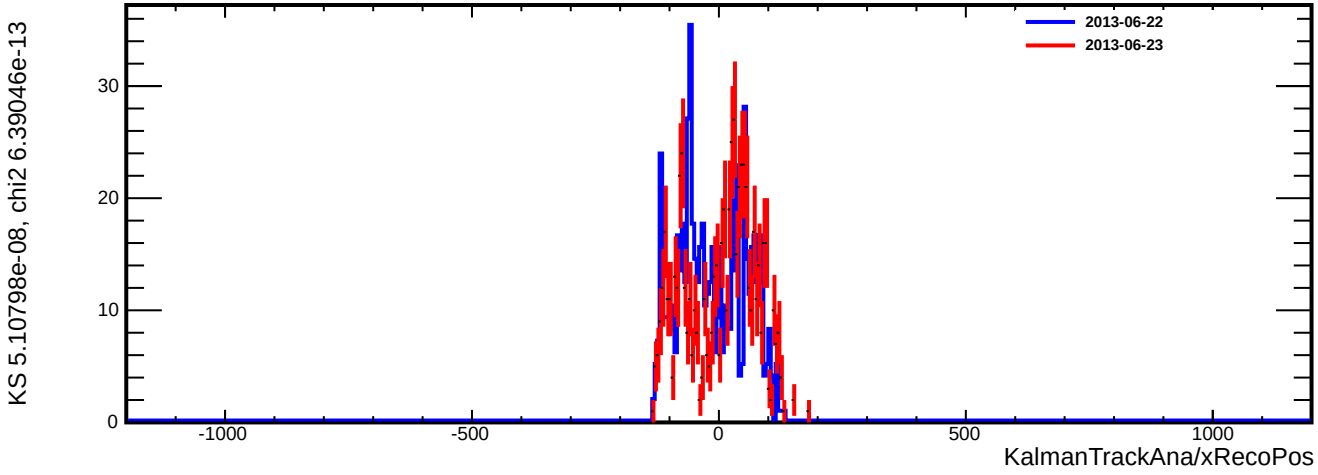

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

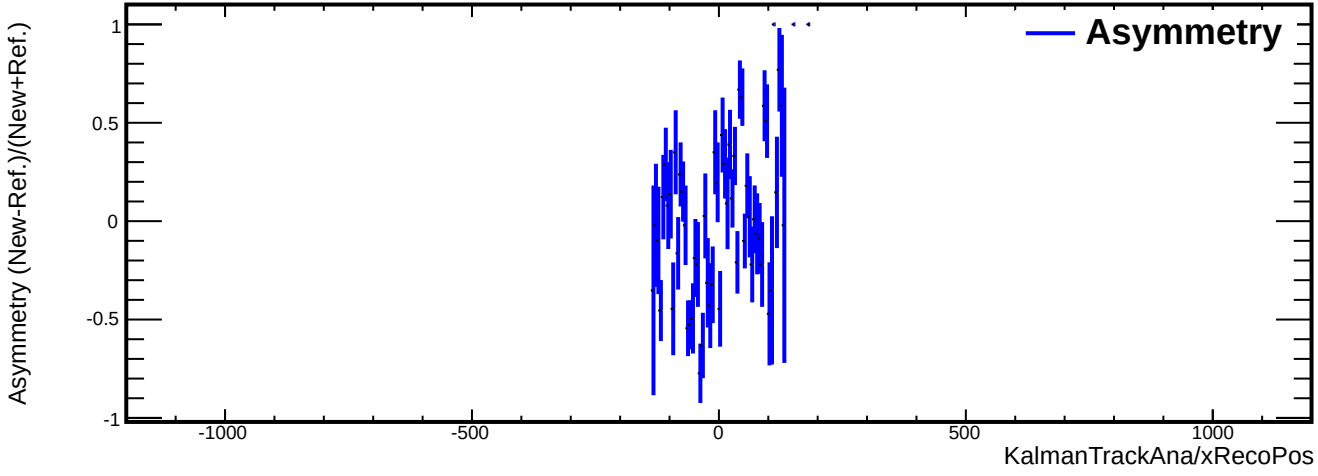

KS 5.15912e-09, chi2 0.000443352
2013-06-22
2013-06-23
50
40
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos

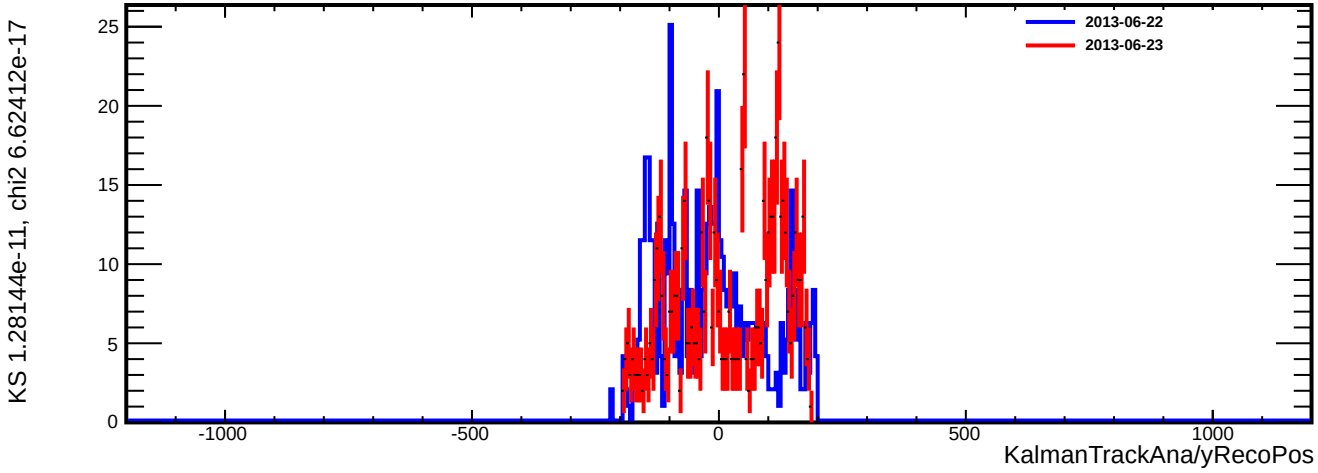

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1000
-500
0
500
1000
KalmanTrackAna/xPos

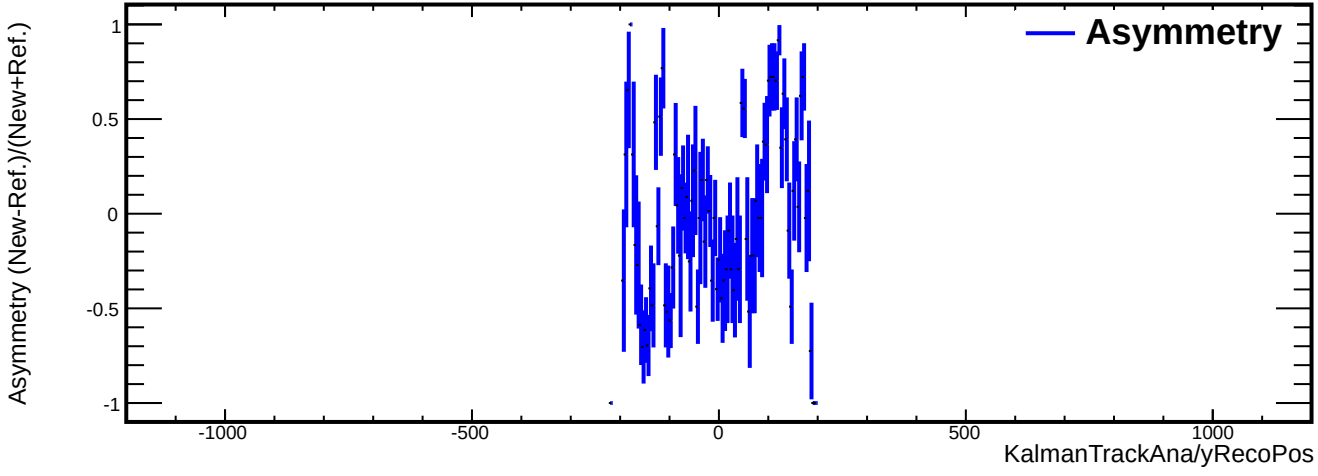

KS 8.10126e-05, chi2 2.54439e-07
2013-06-22
2013-06-23
0
5
10
15
20
25
-1000
-500
0
500
1000
KalmanTrackAna/yPos

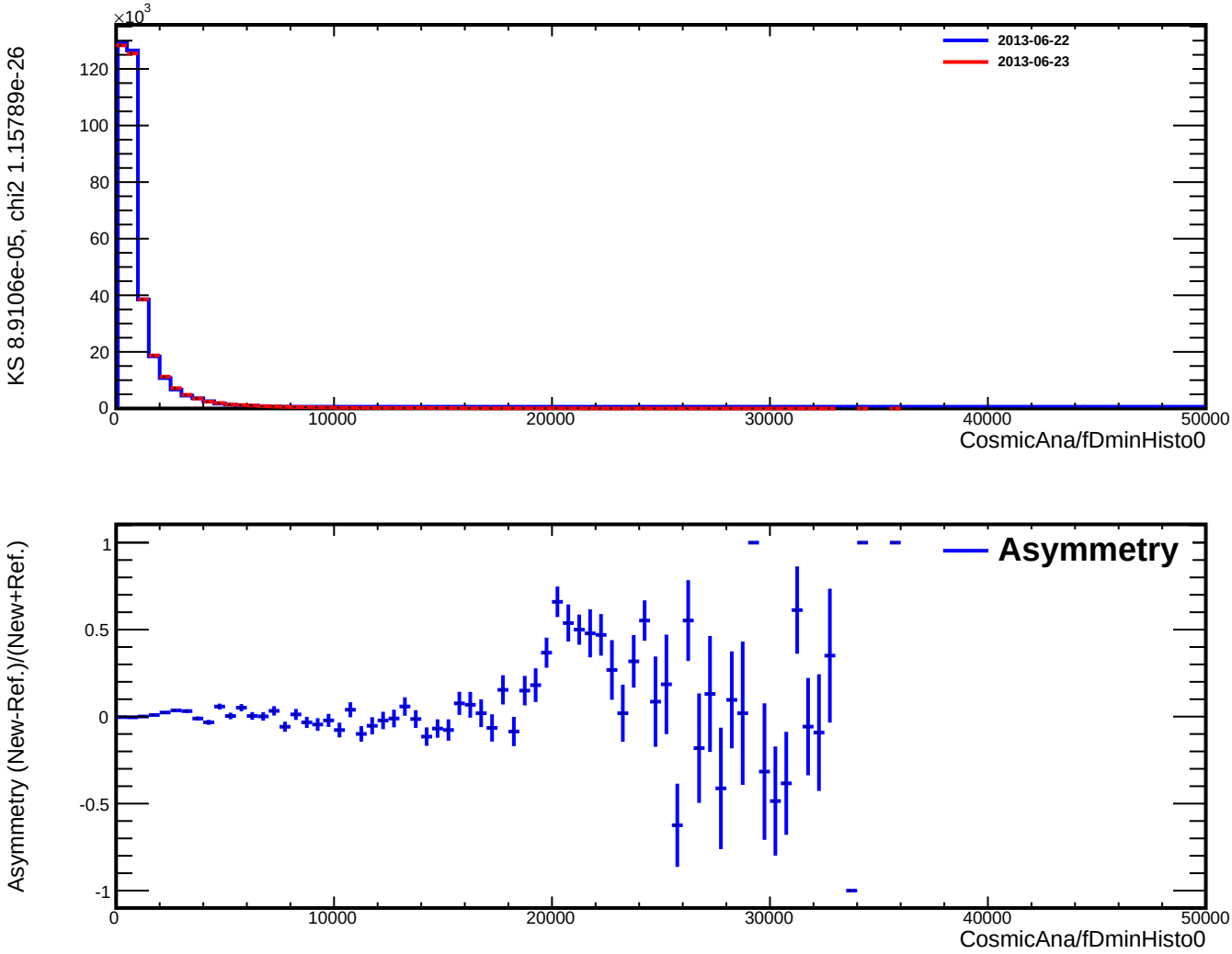

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

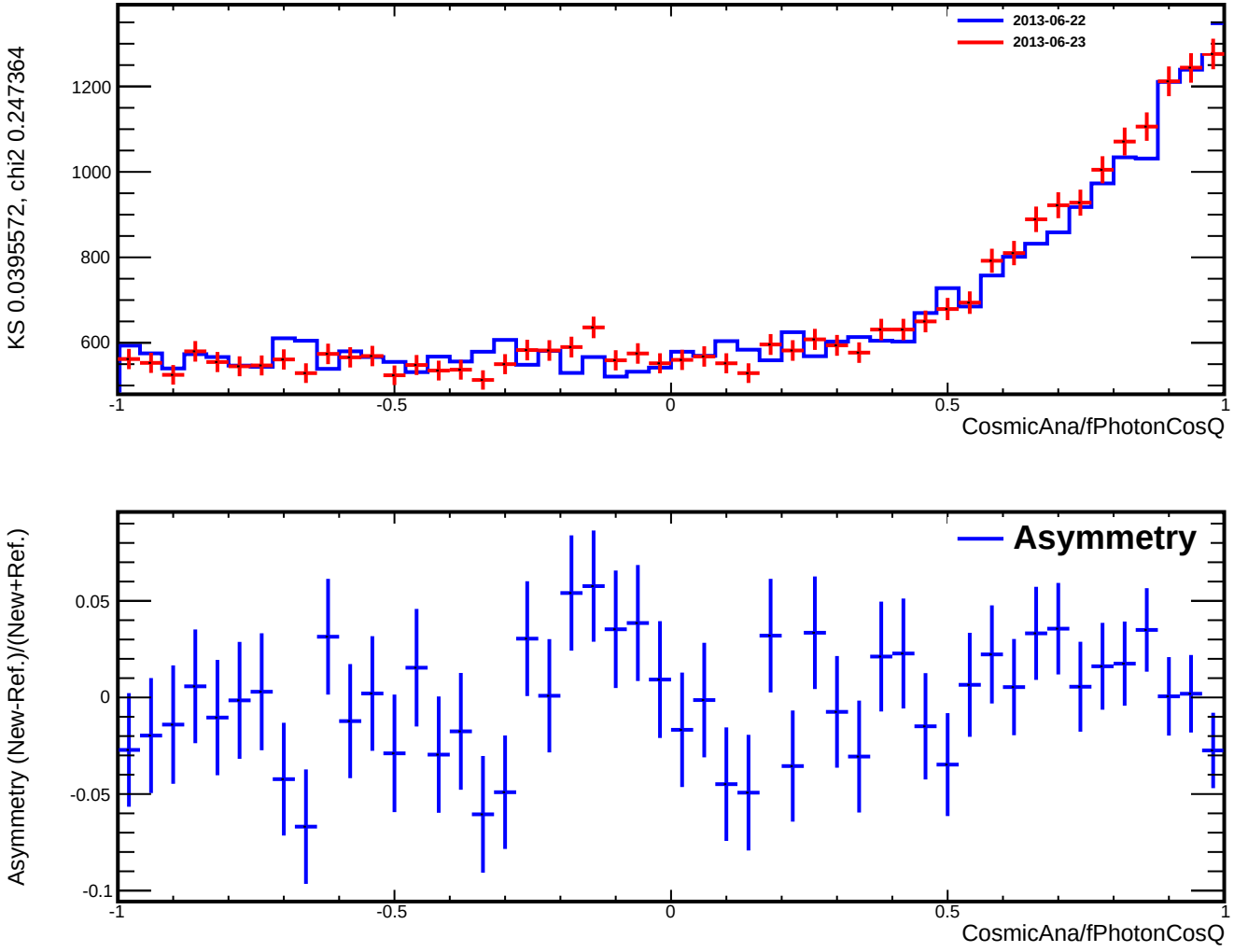

KS 5.10798e-08, chi2 6.39046e-13
2013-06-22
2013-06-23
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

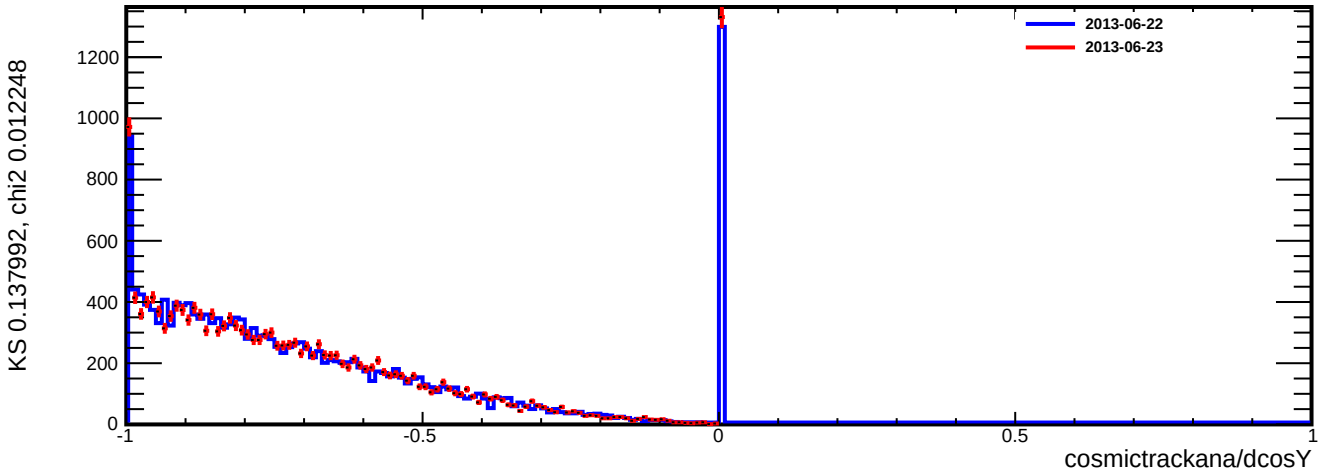

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

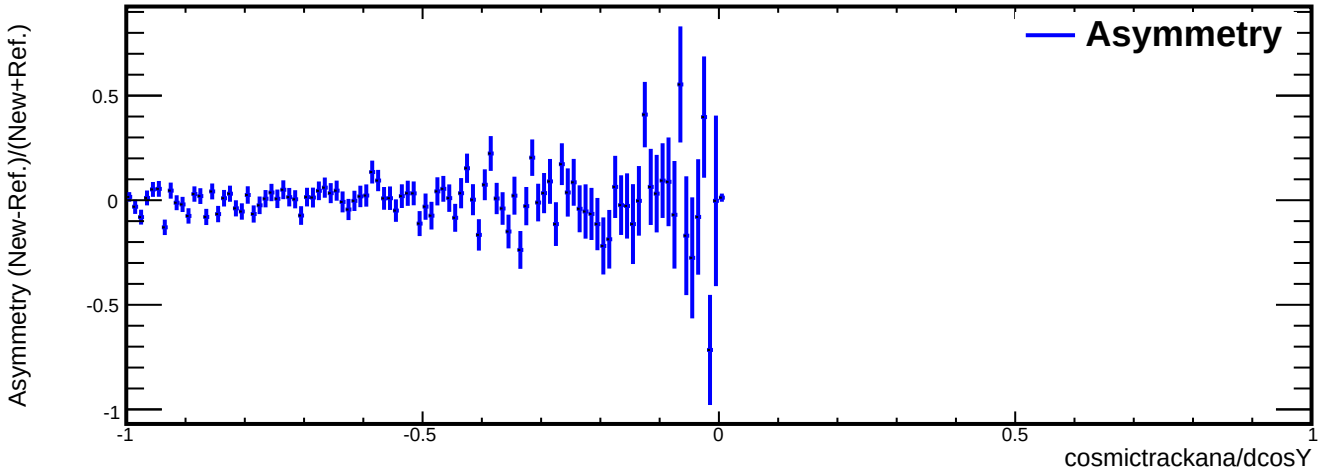

KS 1.28144e-11, chi2 6.62412e-17
2013-06-22
2013-06-23
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

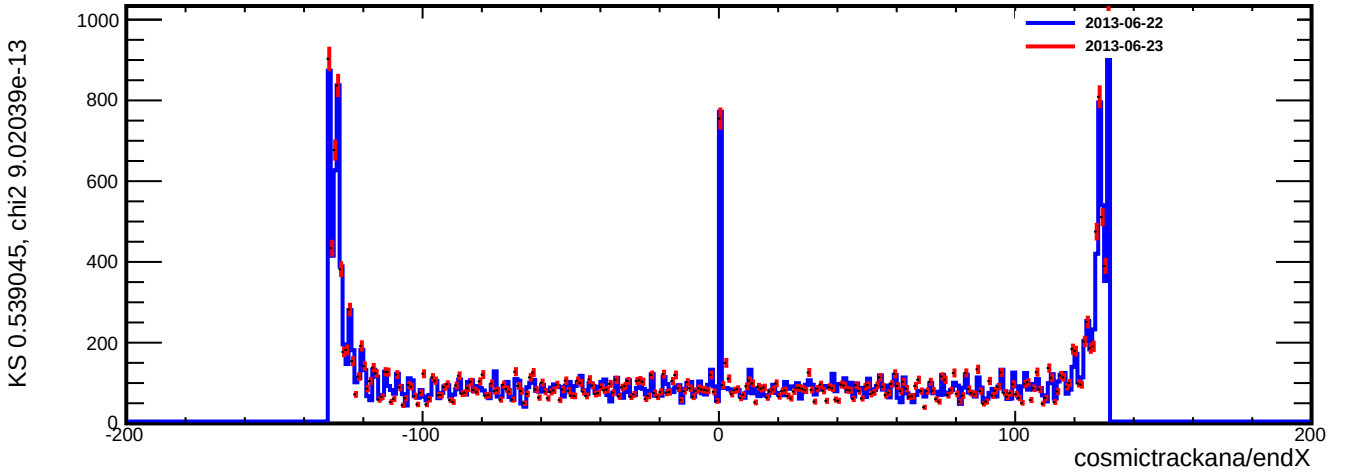

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

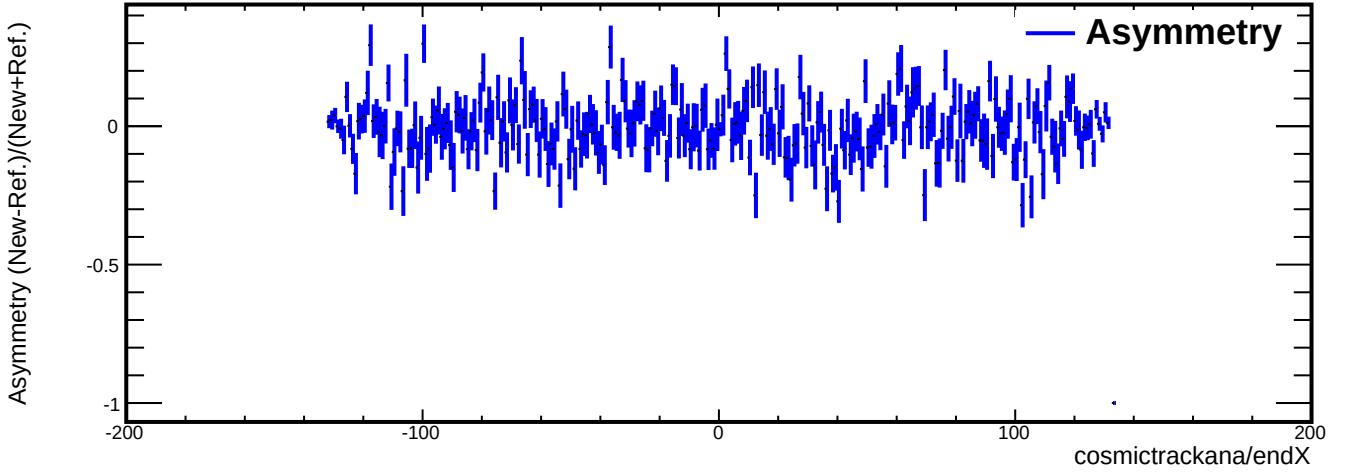

KS 8.9106e-05, chi2 1.15789e-26
×10^3
2013-06-22
2013-06-23
CosmicAna/fDminHisto0
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
CosmicAna/fDminHisto0

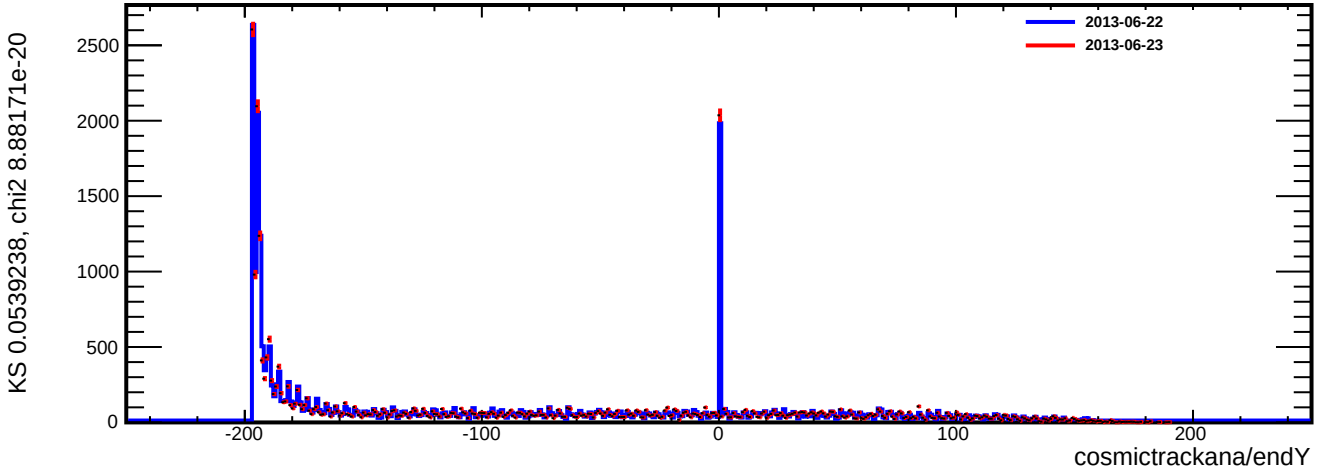

KS 0.0395572, chi2 0.247364
2013-06-22
2013-06-23
1200
1000
800
600
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ

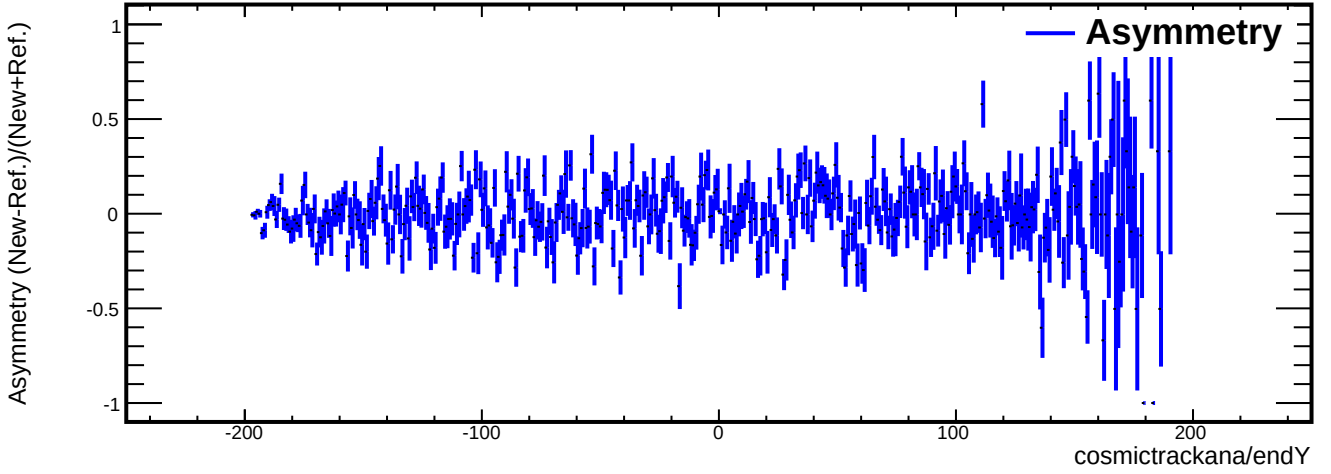

KS 0.137992, chi2 0.012248
2013-06-22
2013-06-23
1200
1000
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosY

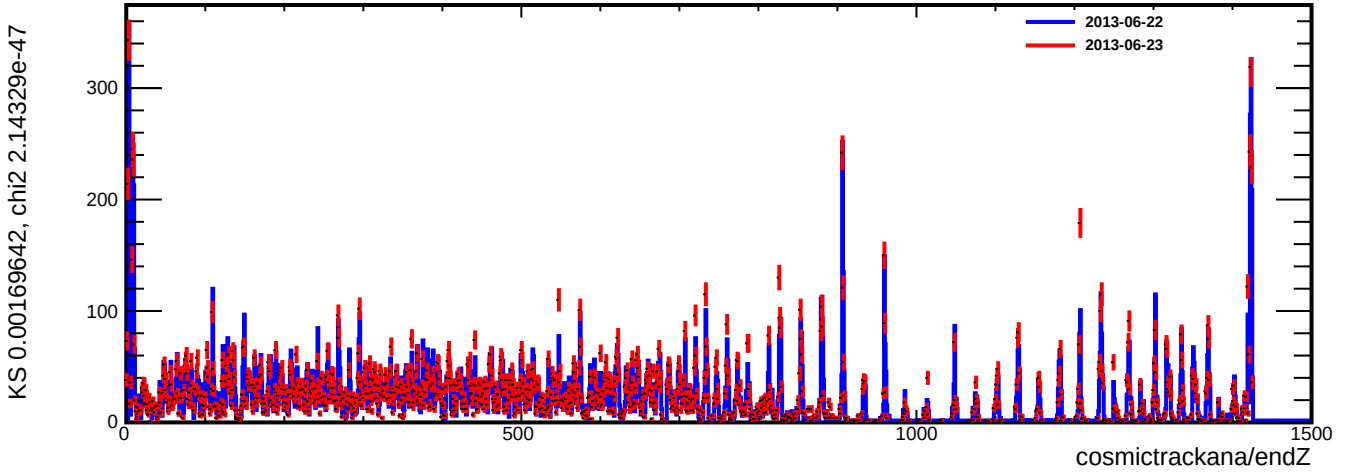

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
cosmictrackana/dcosY

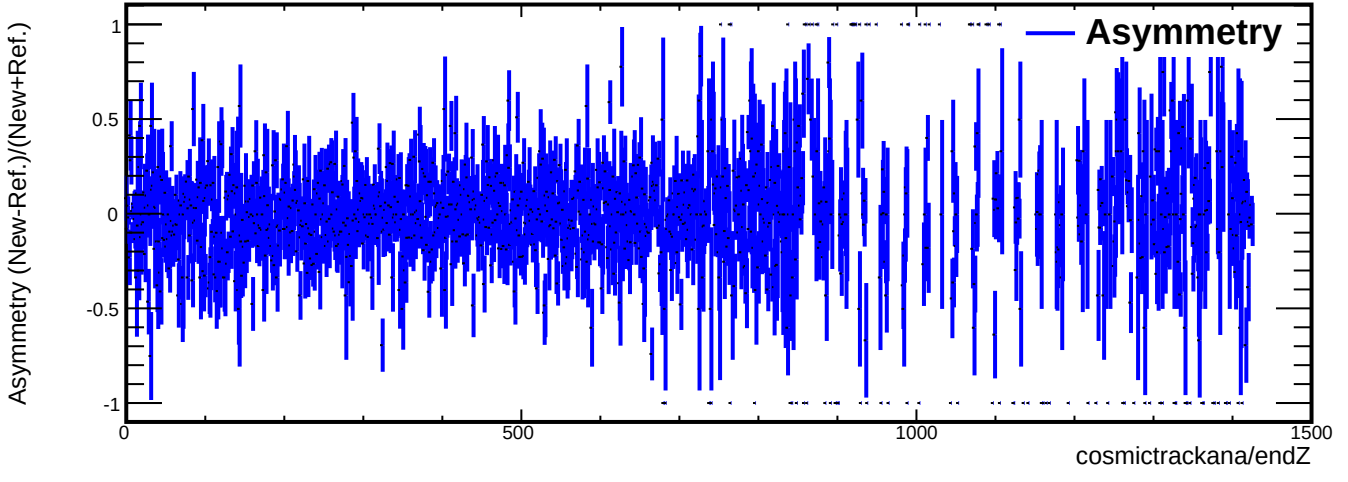

KS 0.539045, chi2 9.02039e-13
2013-06-22
2013-06-23
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

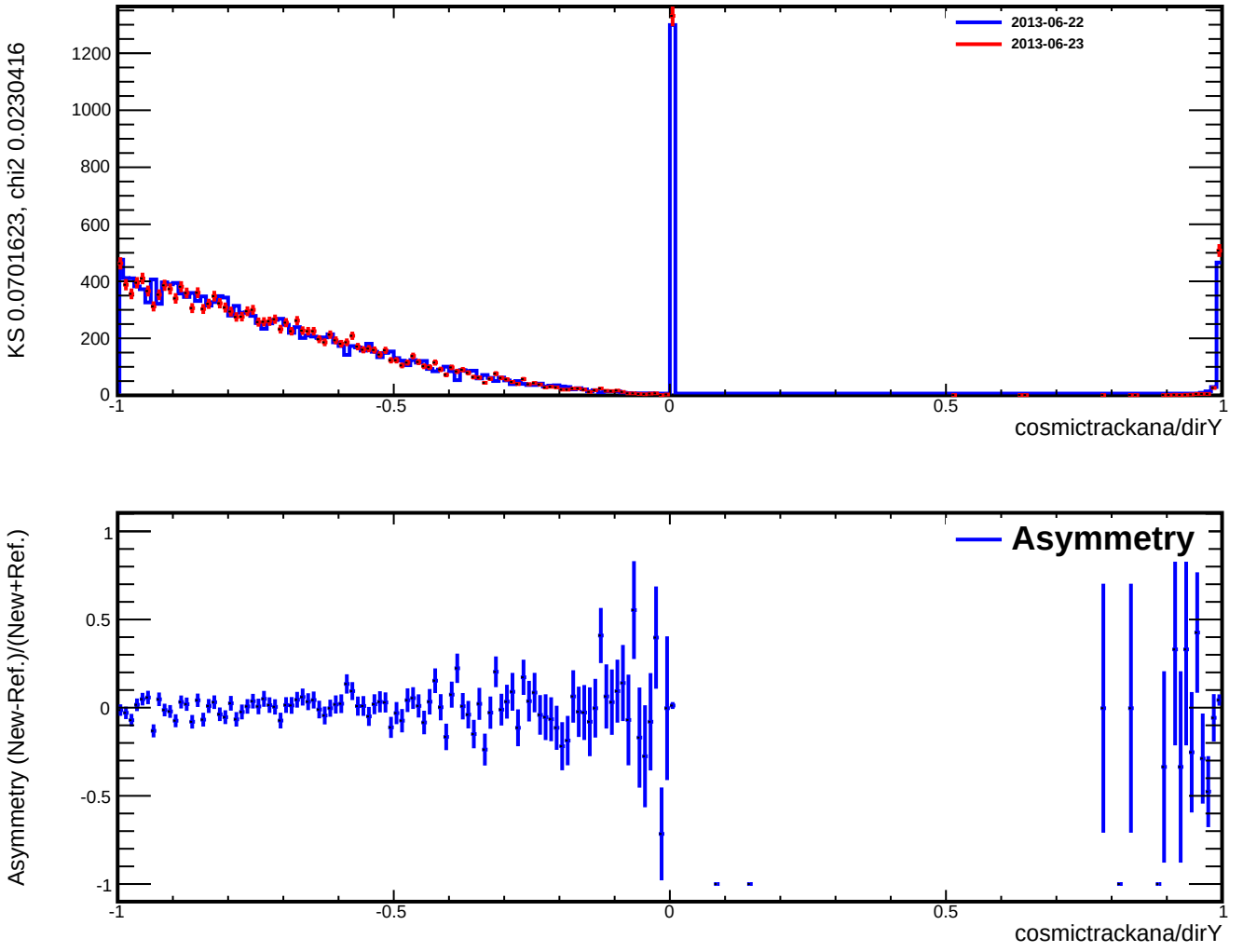

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endX

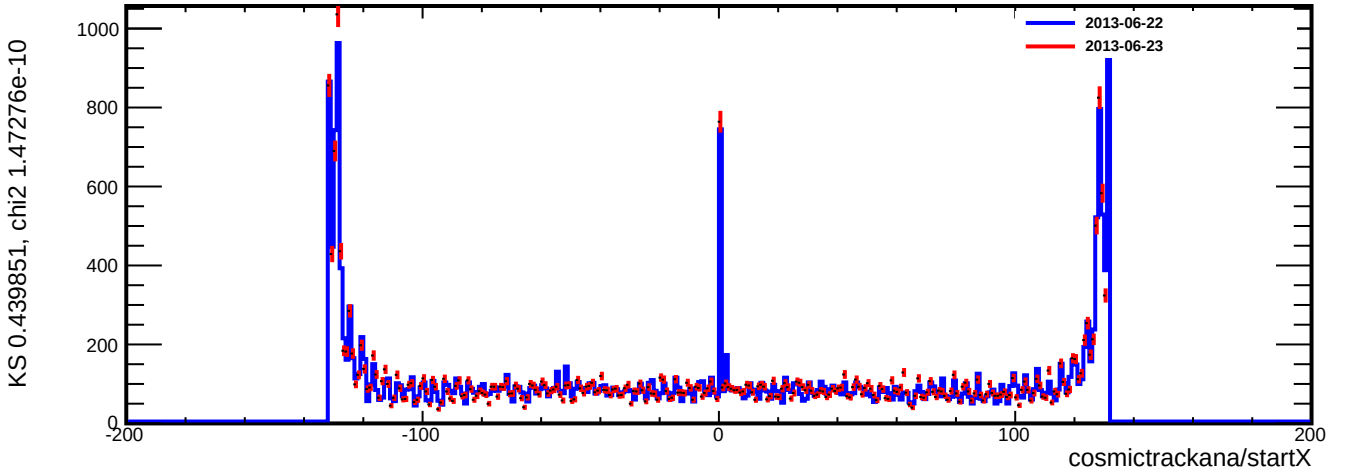

KS 0.0539238, chi2 8.88171e-20
2013-06-22
2013-06-23
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

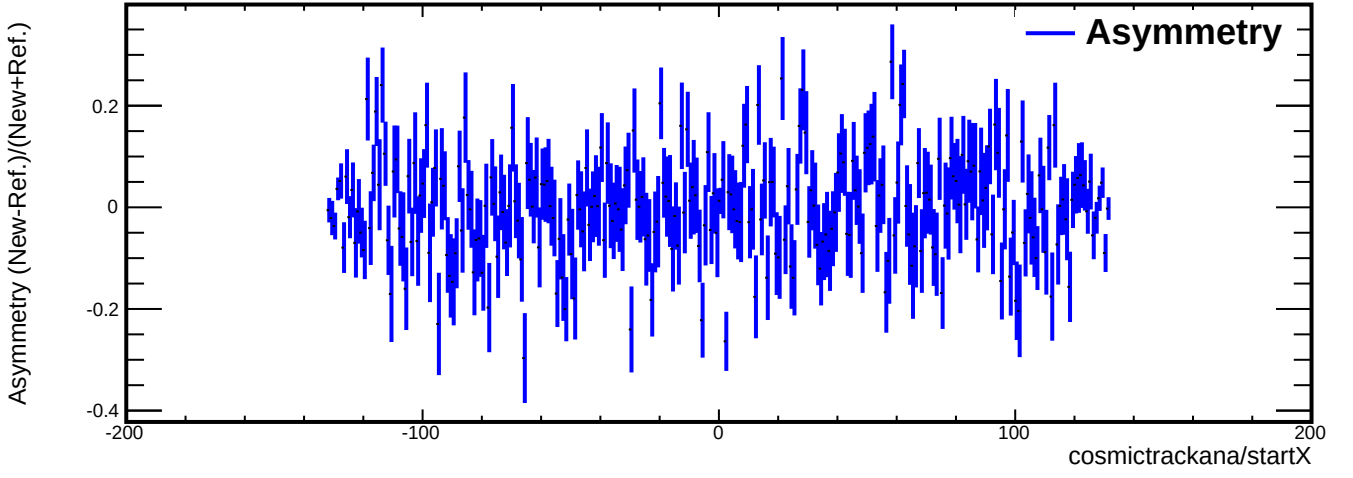

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

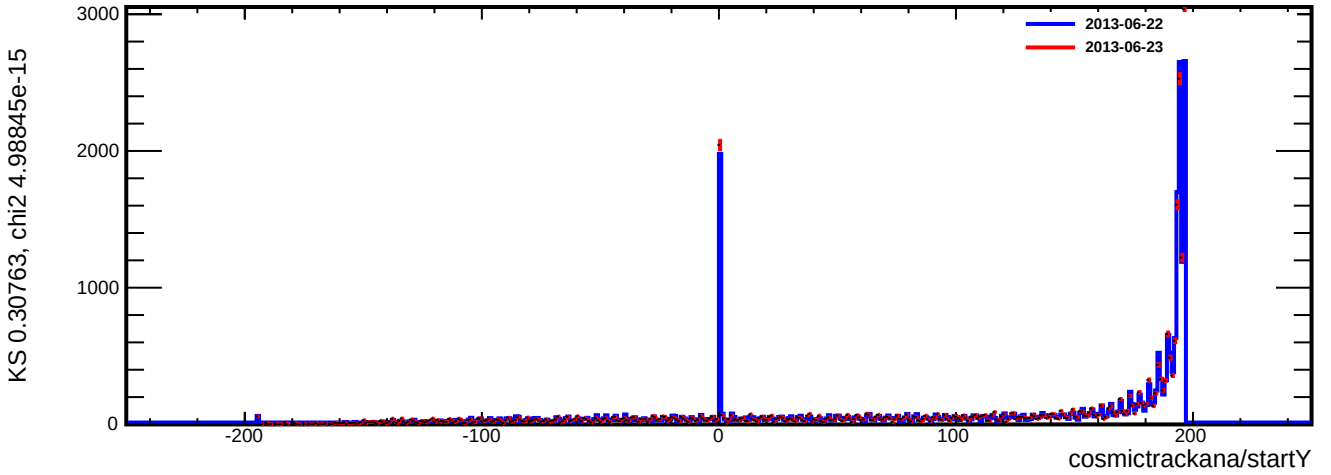

KS 0.00169642, chi2 2.14329e-47
2013-06-22
2013-06-23
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

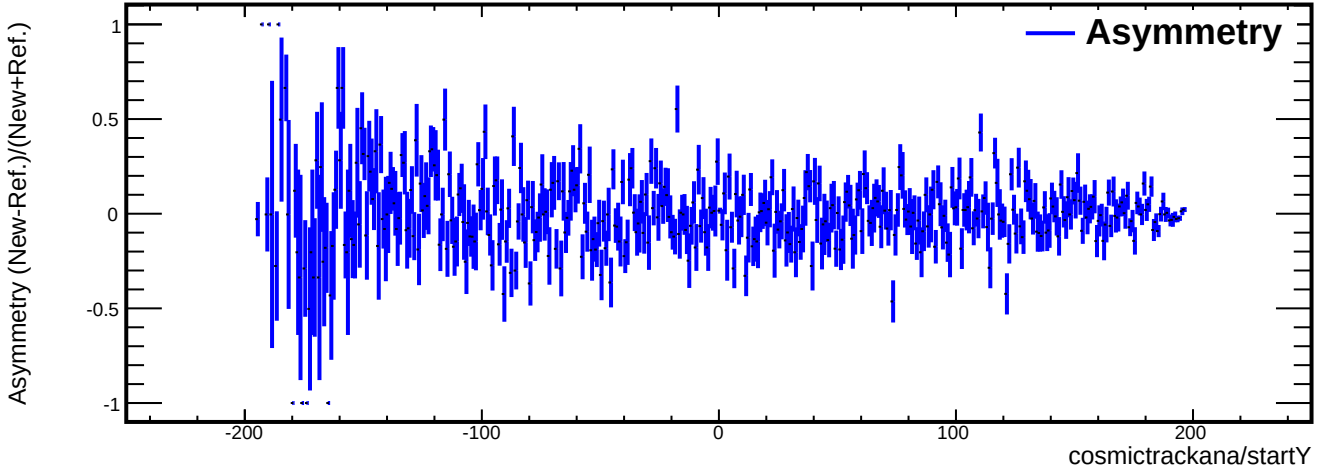

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

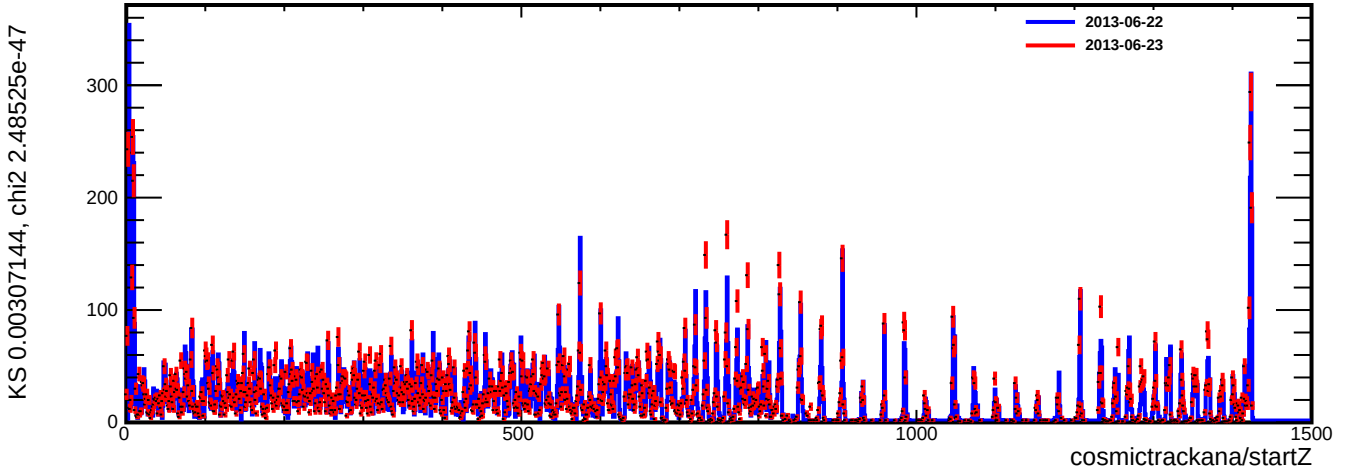

KS 0.0701623, chi2 0.0230416
2013-06-22
2013-06-23
cosmictrackana/dirY
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dirY

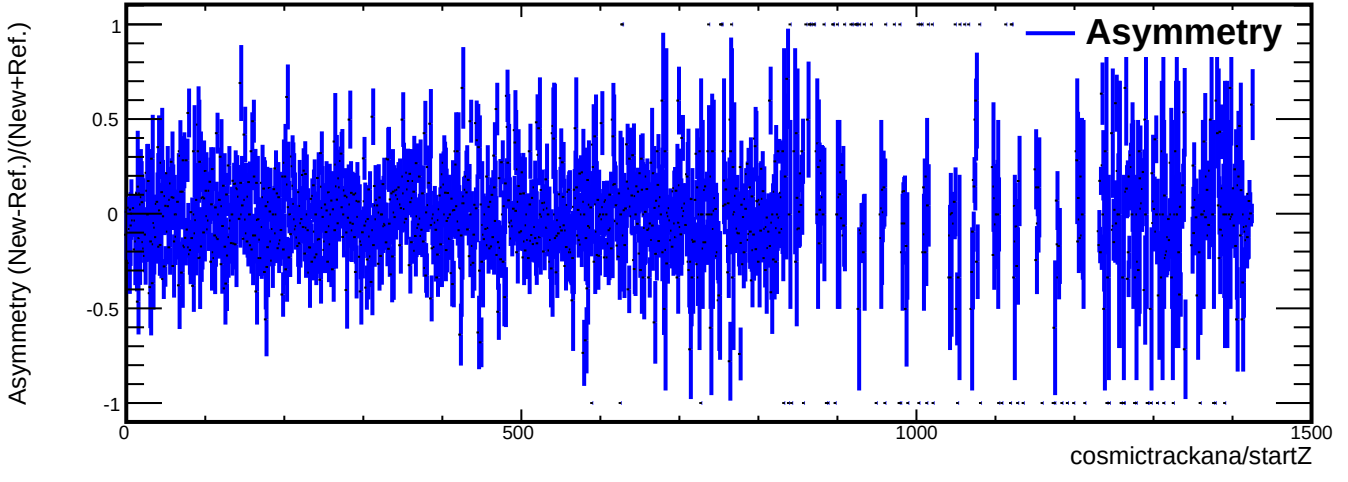

KS 0.439851, chi2 1.47276e-10
2013-06-22
2013-06-23
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

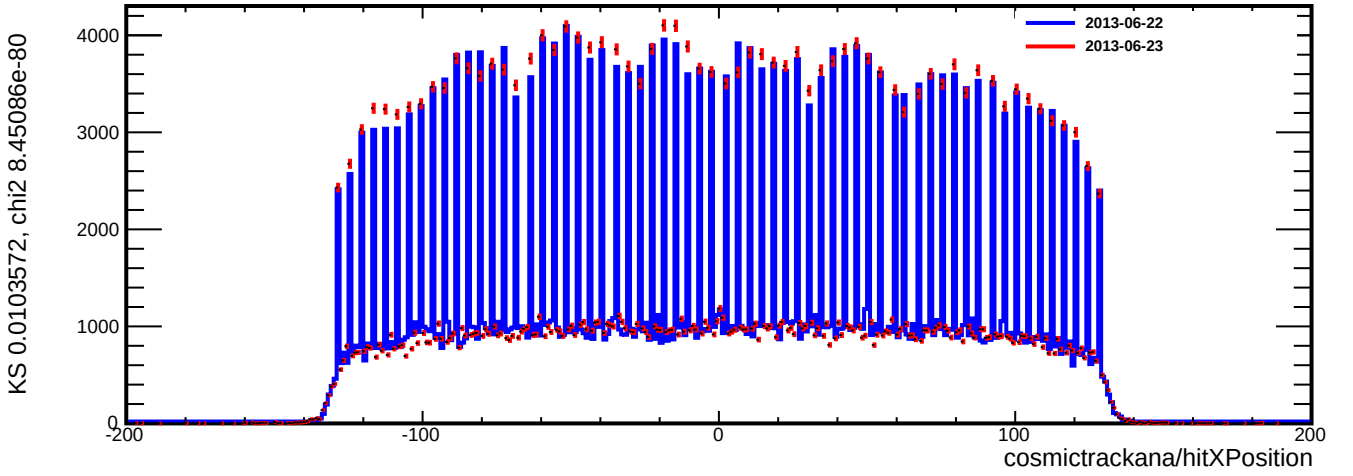

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0
-0.2
-0.4
-200
-100
0
100
200
cosmictrackana/startX

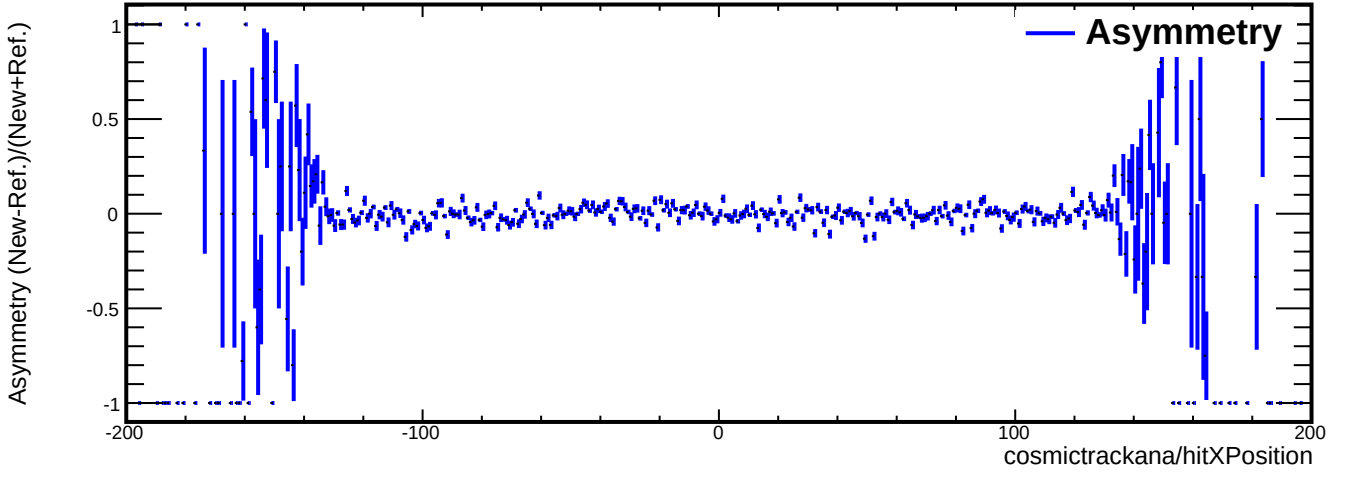

KS 0.30763, chi2 4.98845e-15
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2013-06-22
2013-06-23

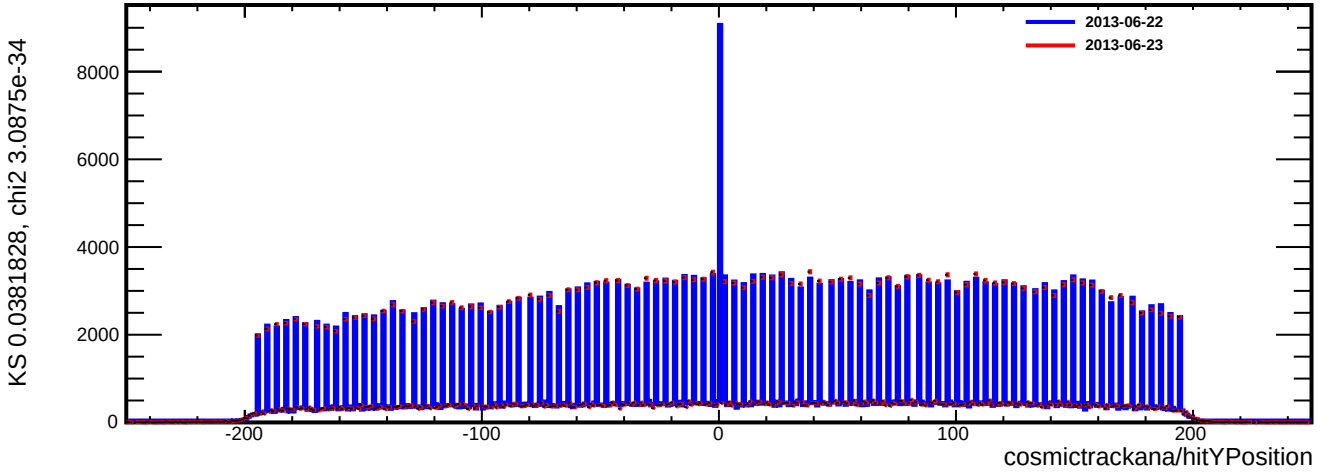

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

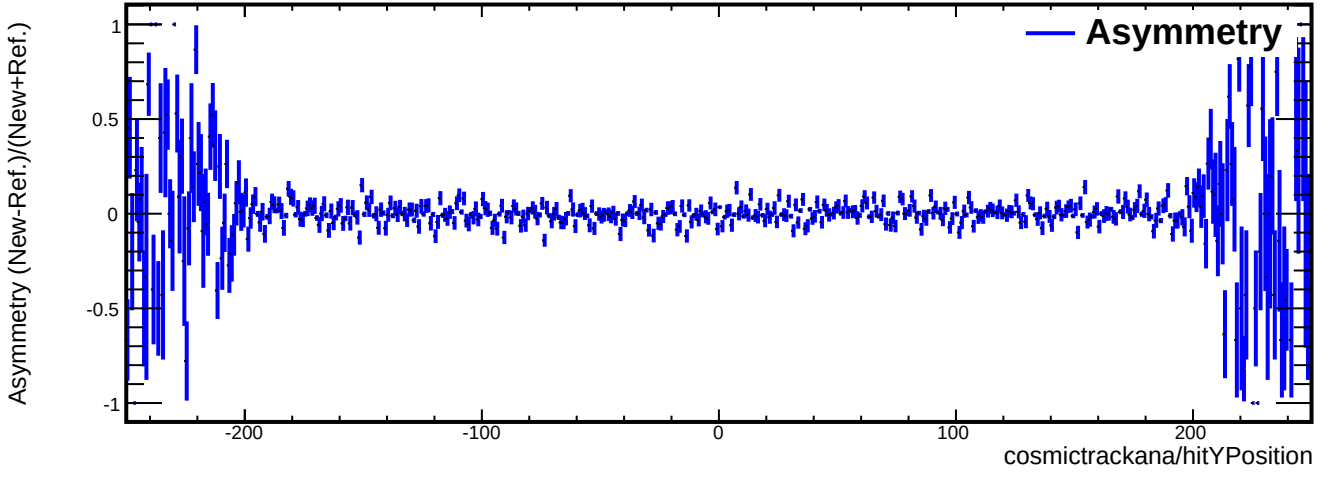

KS 0.00307144, chi2 2.48525e-47
2013-06-22
2013-06-23
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

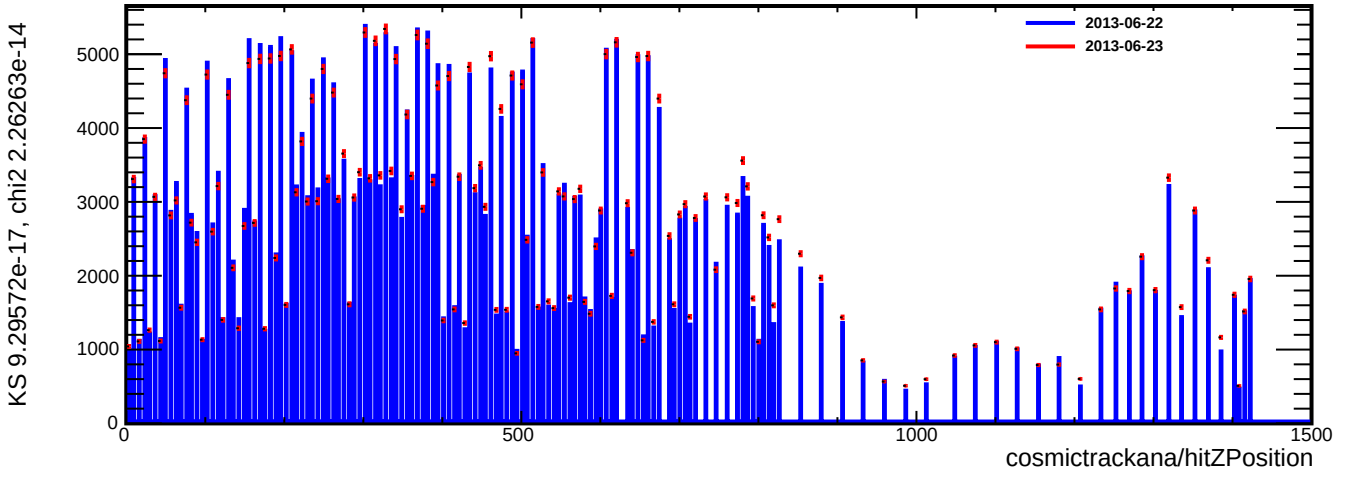

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

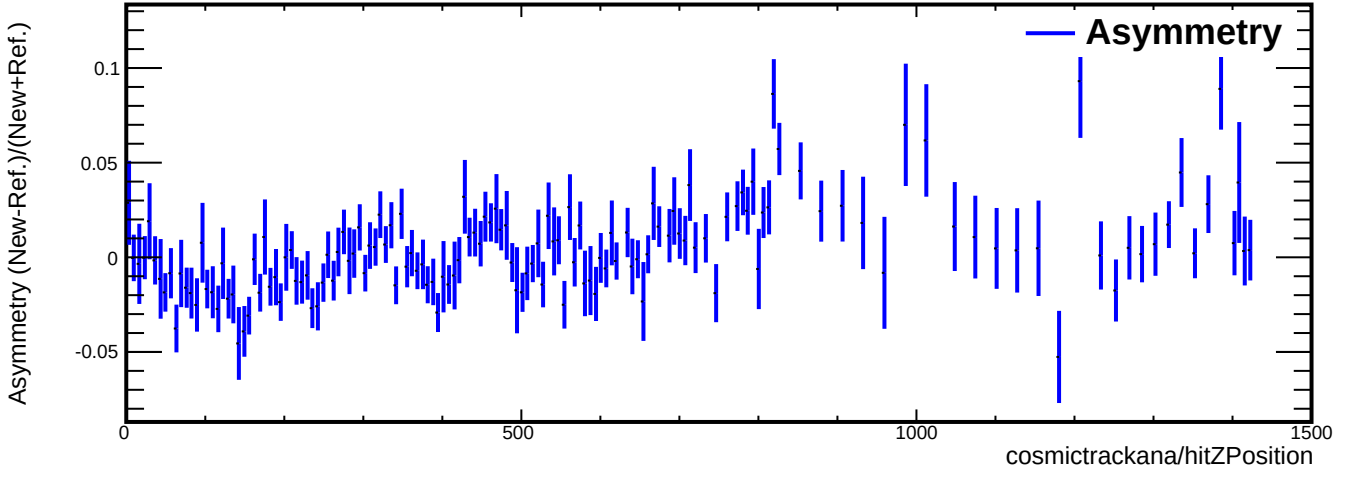

KS 0.0103572, chi2 8.45086e-80
2013-06-22
2013-06-23
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

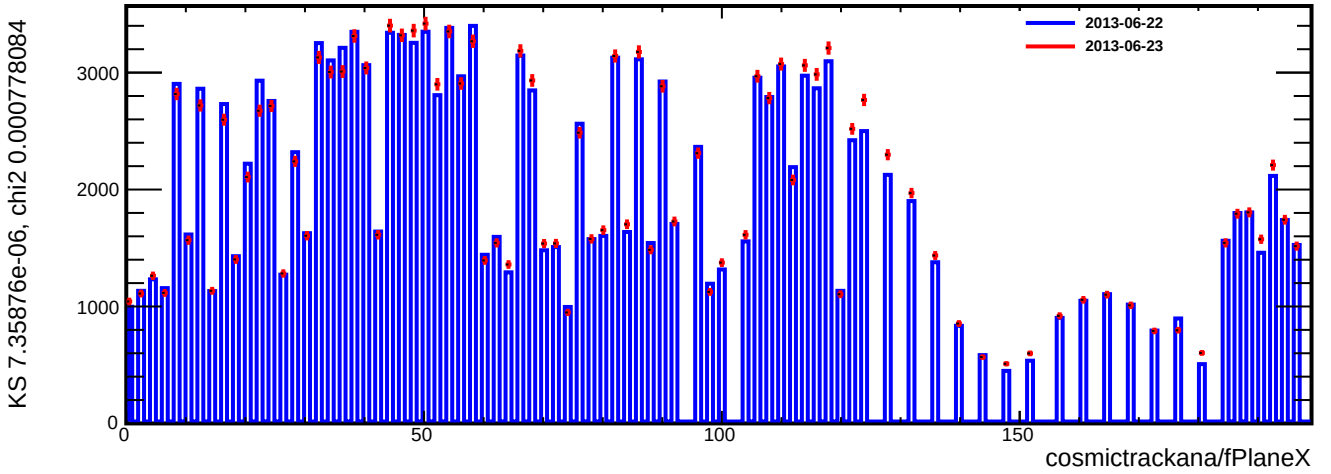

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

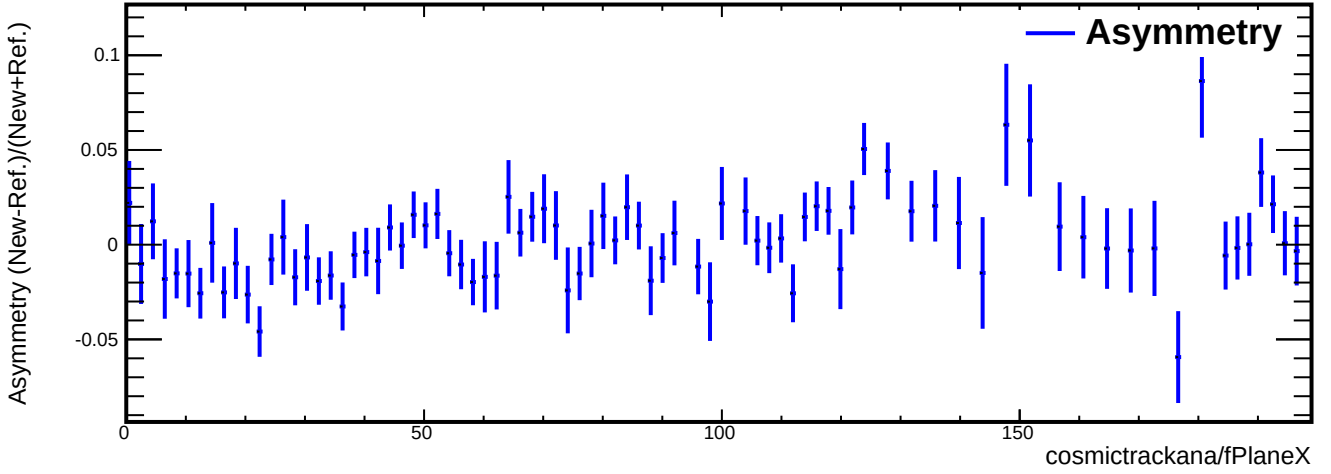

KS 0.0381828, chi2 3.0875e-34
2013-06-22
2013-06-23
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

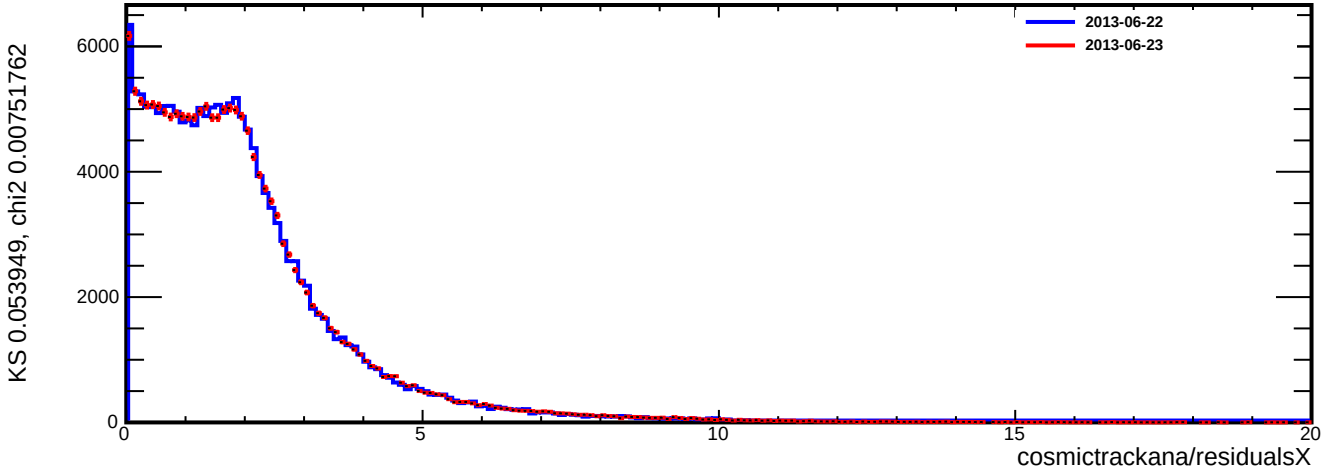

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

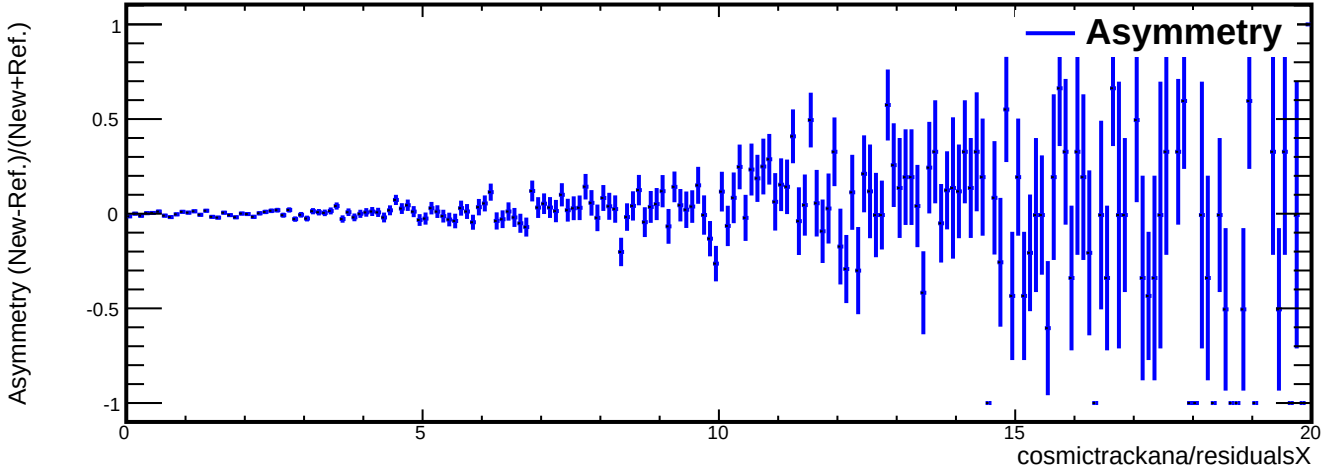

KS 9.29572e-17, chi2 2.26263e-14
2013-06-22
2013-06-23
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

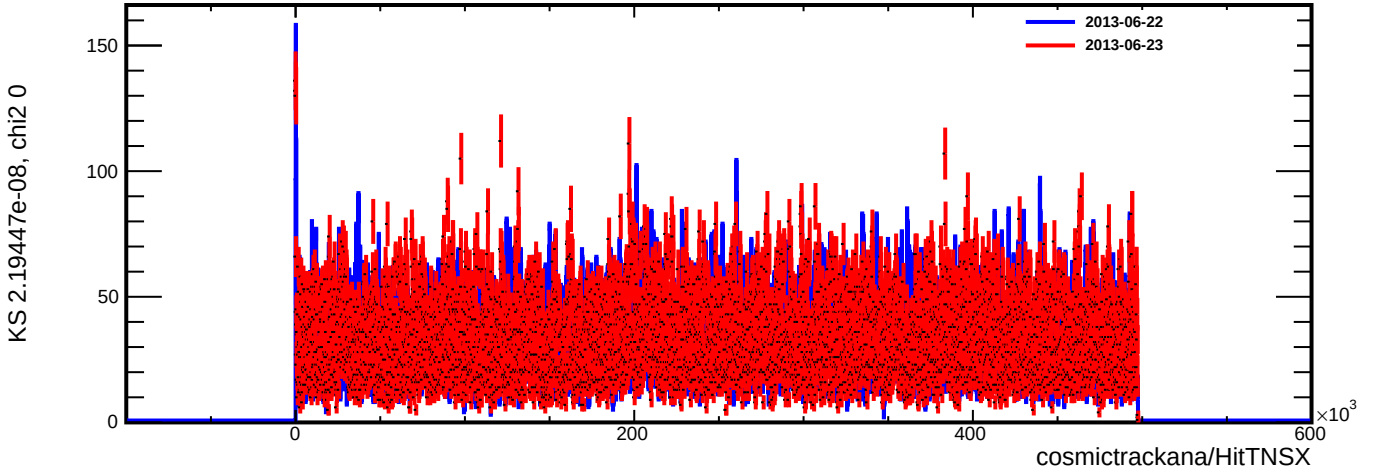

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-0.05
0
0.05
0.1
0
500
1000
1500
cosmictrackana/hitZPosition

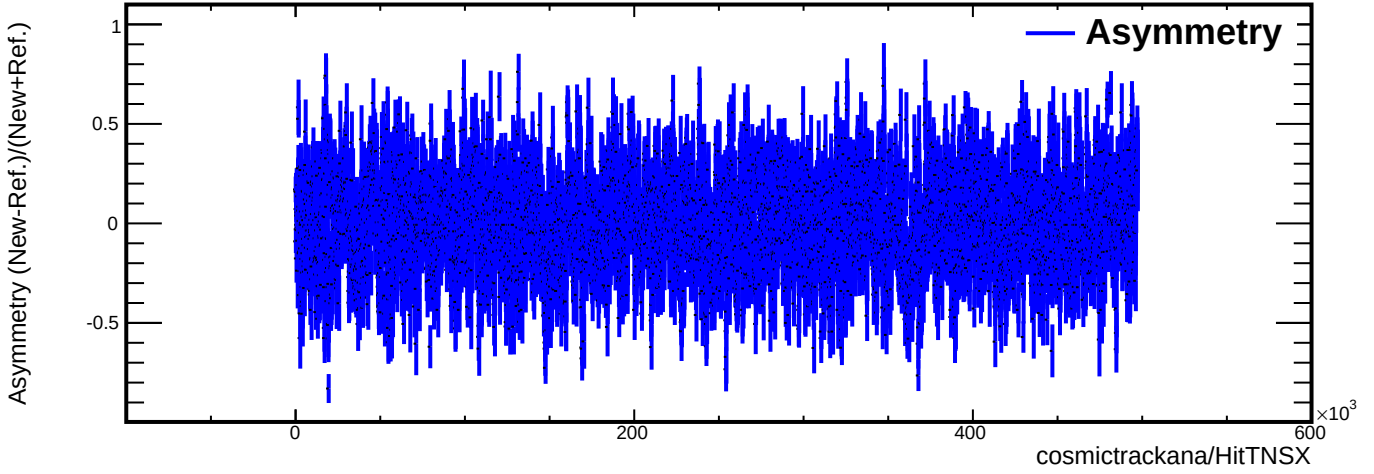

KS 7.35876e-06, chi2 0.000778084
2013-06-22
2013-06-23
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

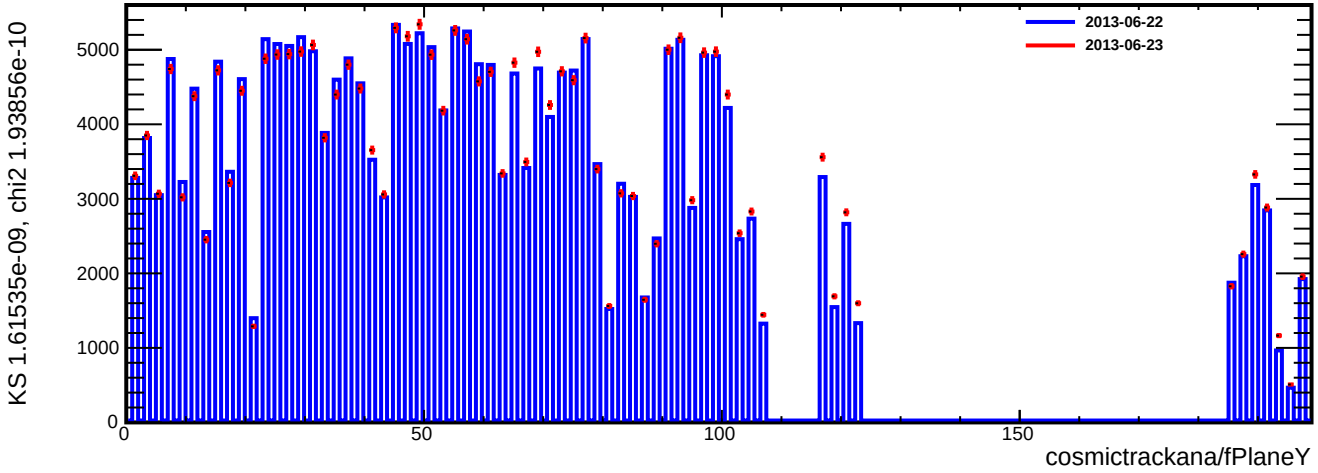

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
0
50
100
150
cosmictrackana/fPlaneX

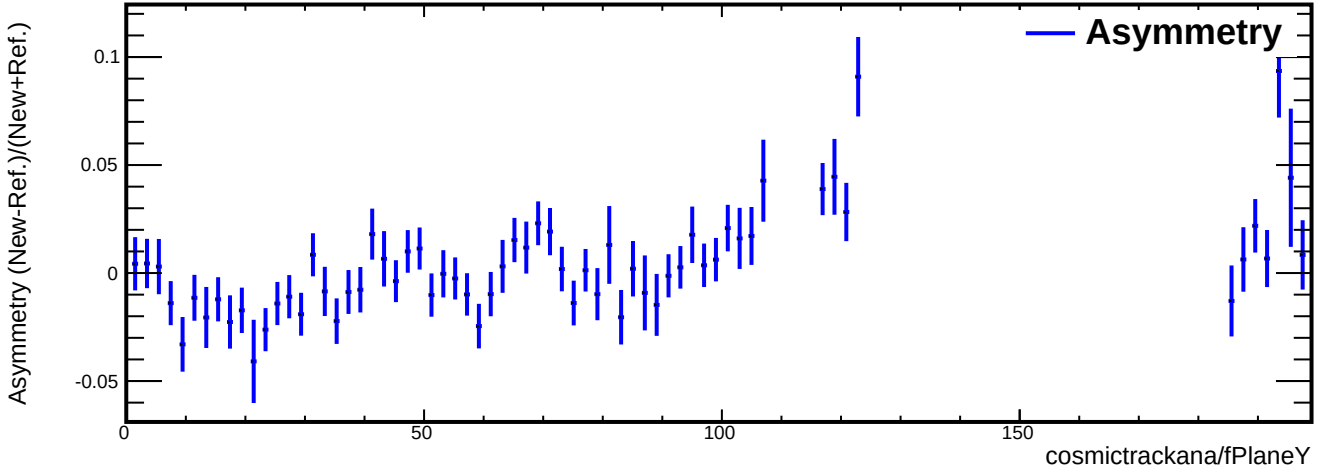

KS 0.053949, chi2 0.00751762
2013-06-22
2013-06-23
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX

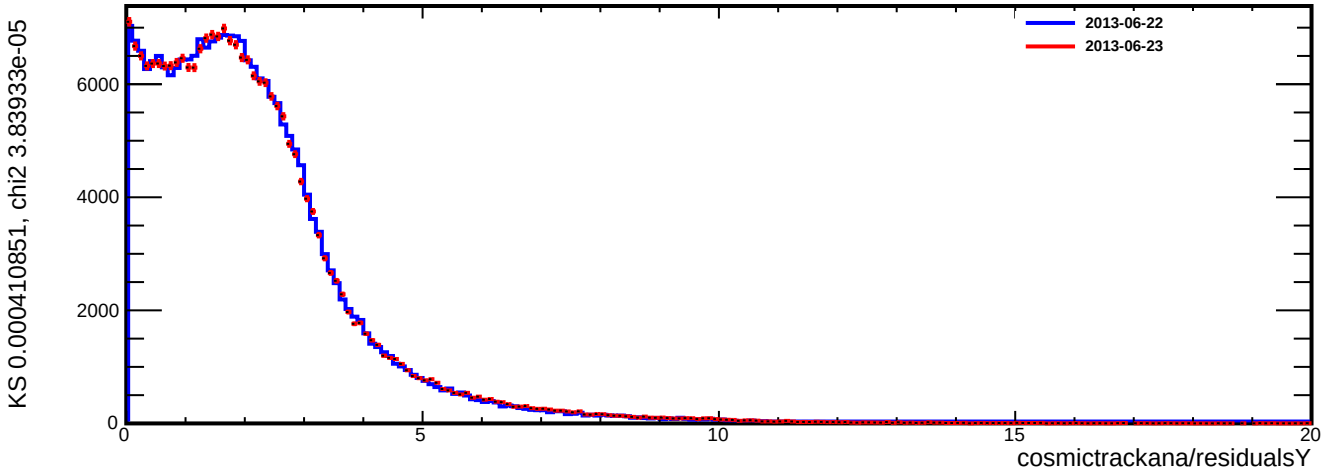

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX

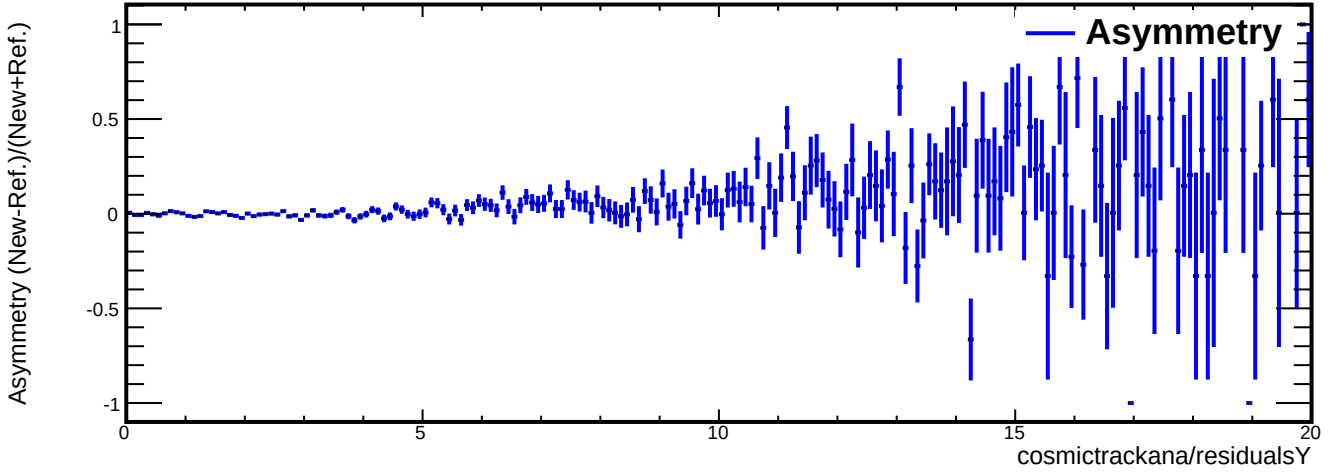

2013-06-22
2013-06-23
KS 2.19447e-08, chi2 0
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

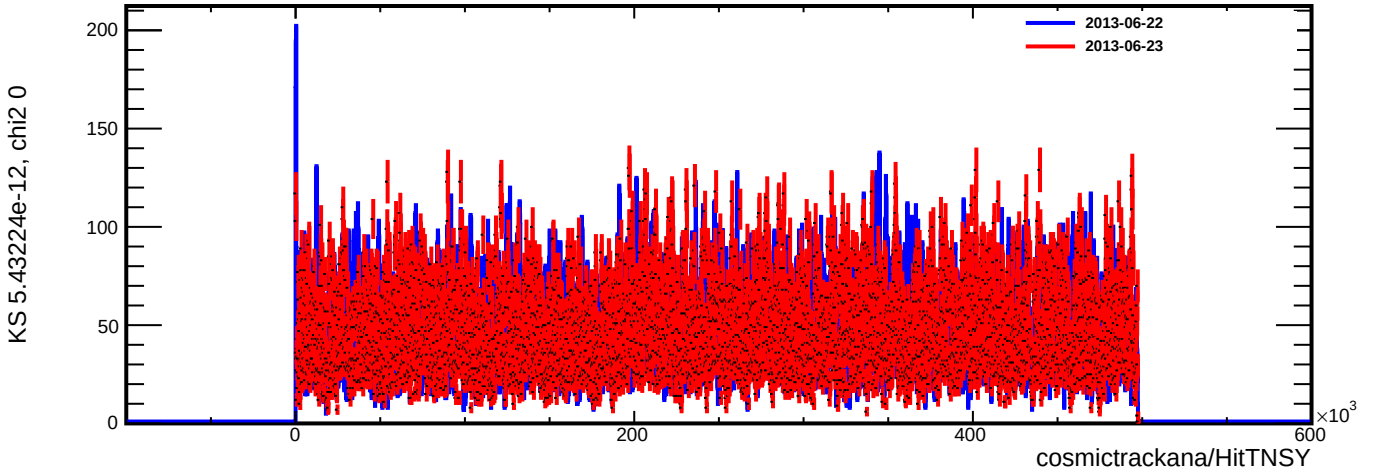

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
0
200
400
600
×10^3
cosmictrackana/HitTNSX

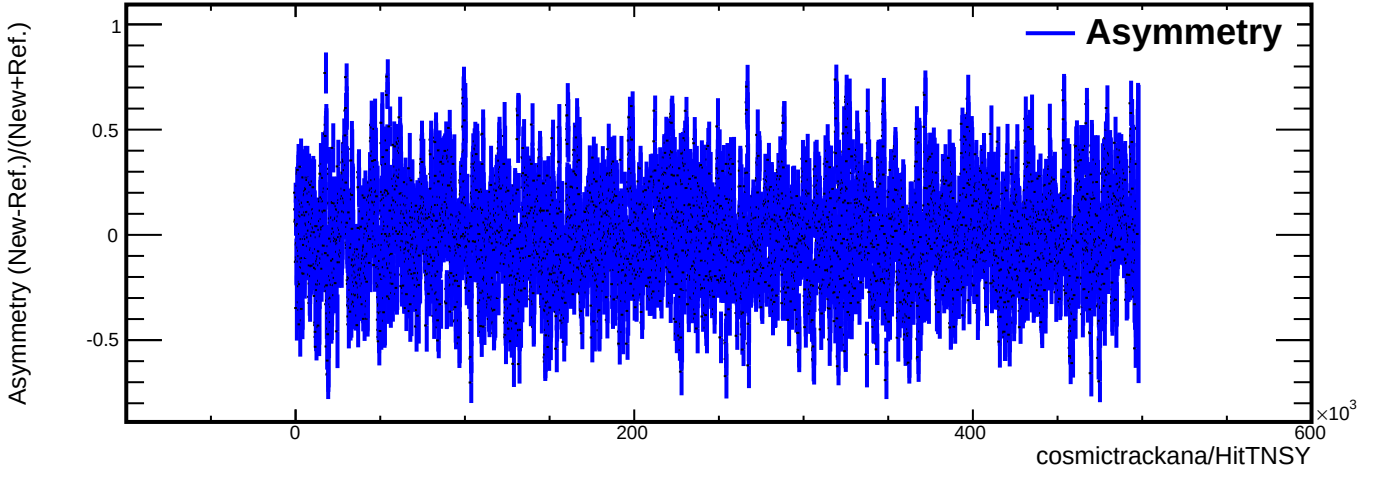

KS 1.61535e-09, chi2 1.93856e-10
2013-06-22
2013-06-23
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


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


KS 0.000410851, chi2 3.83933e-05
2013-06-22
2013-06-23
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 5.43224e-12, chi2 0
2013-06-22
2013-06-23
200
150
100
50
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