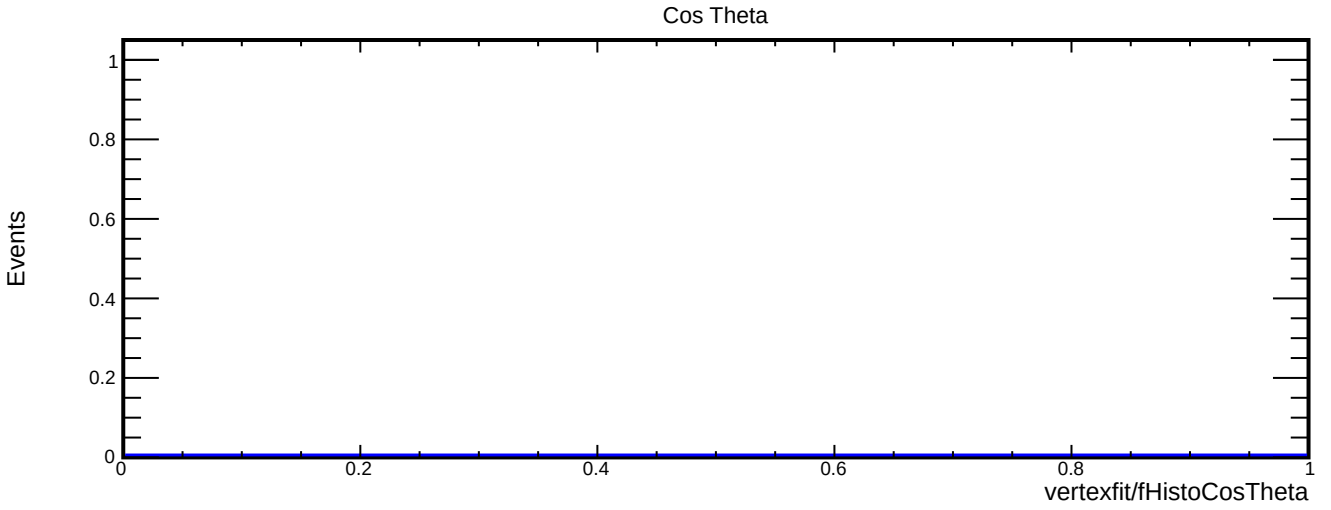
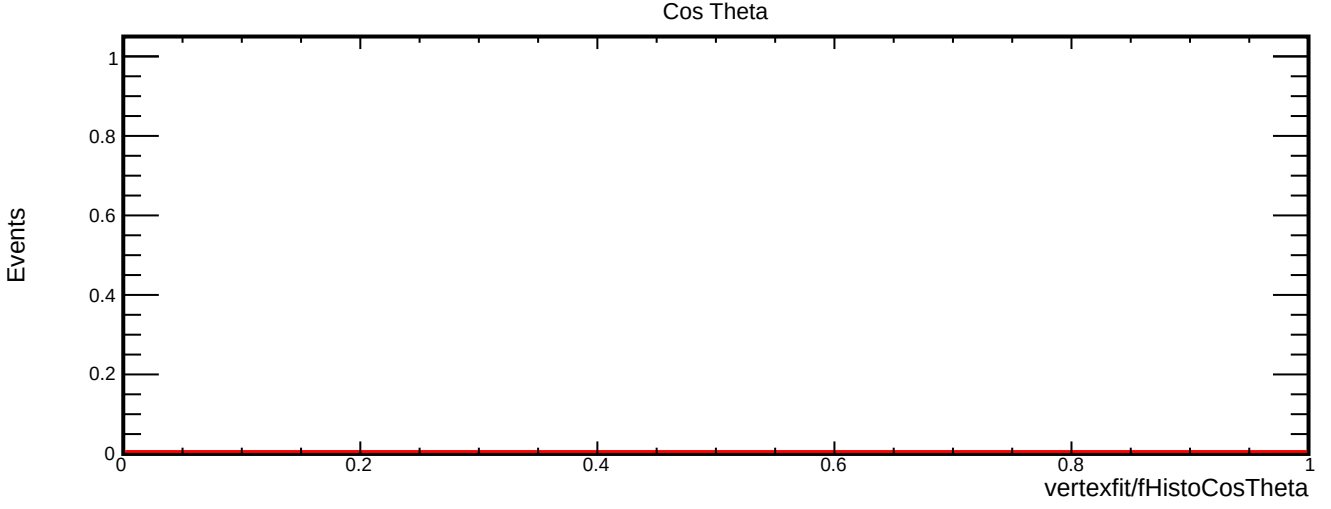
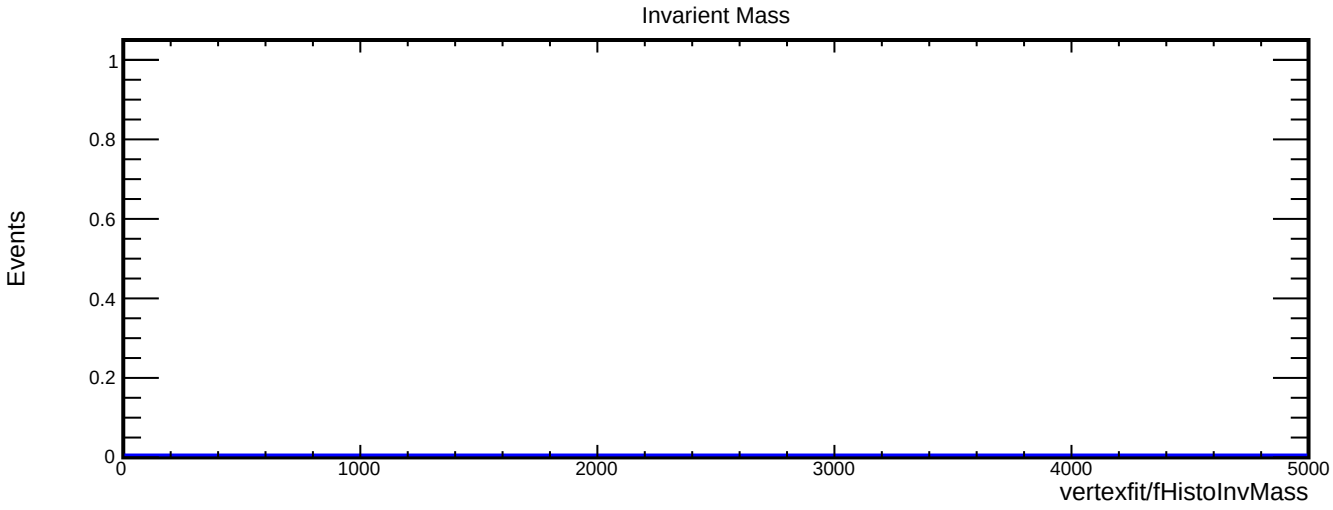
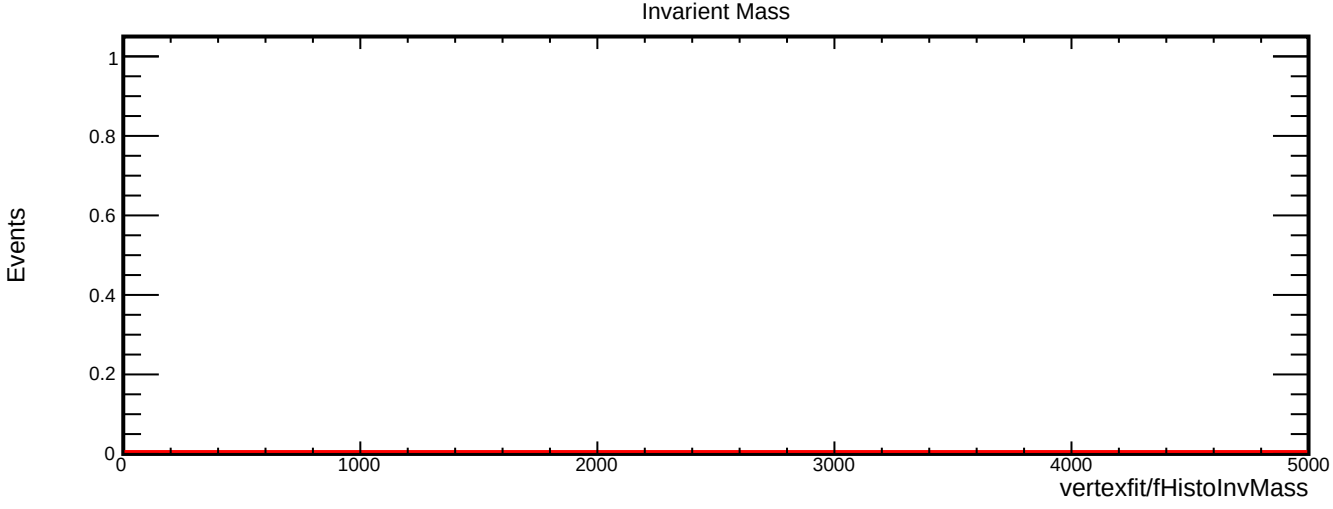
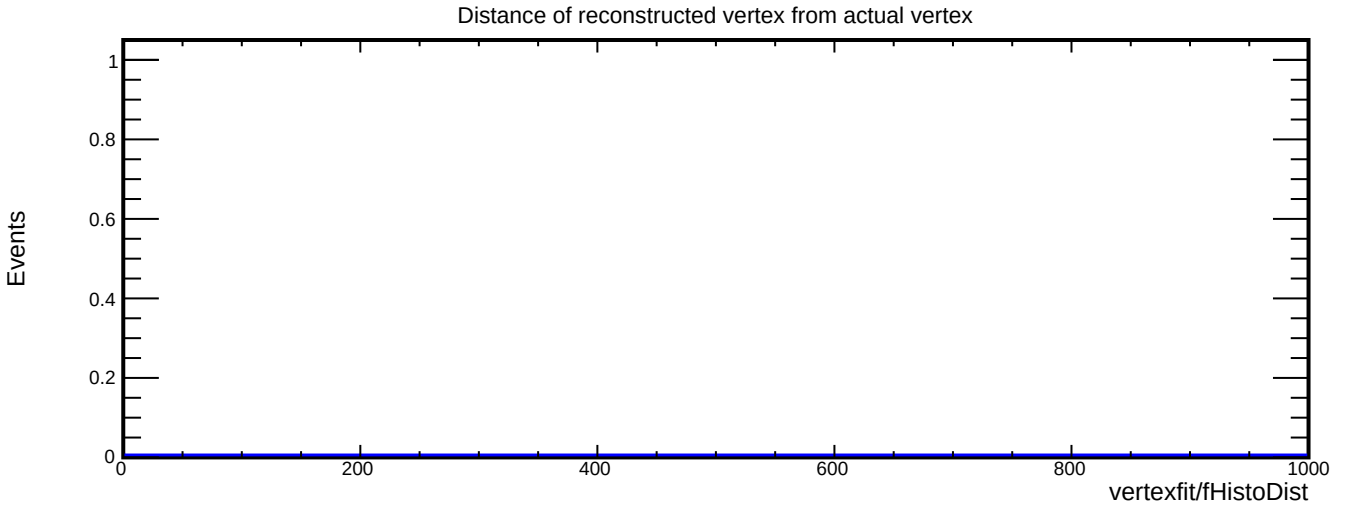
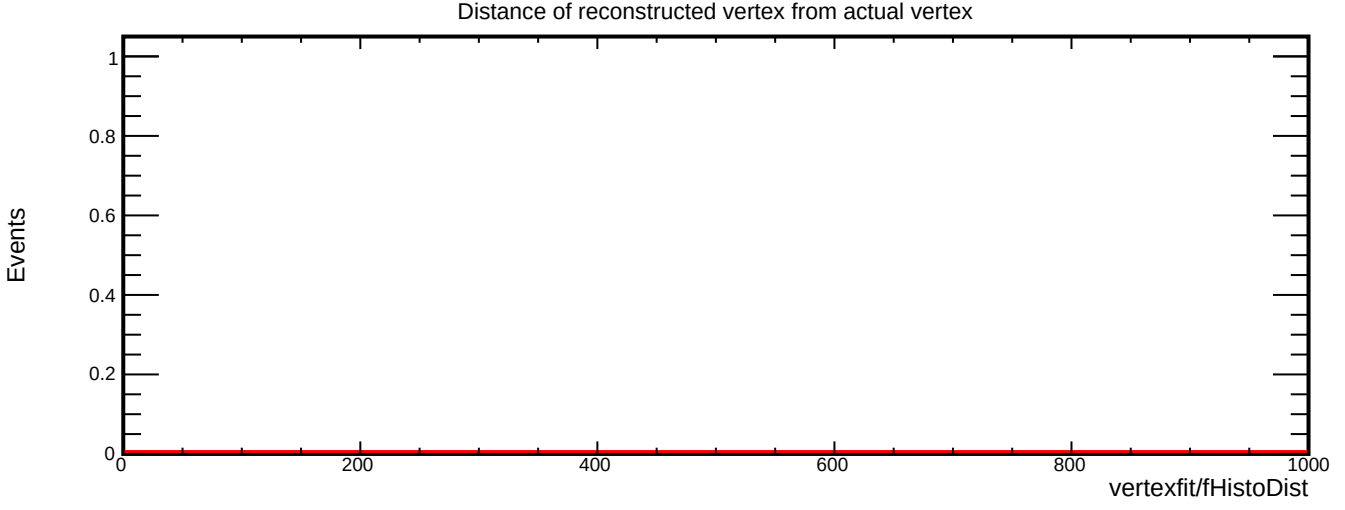

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

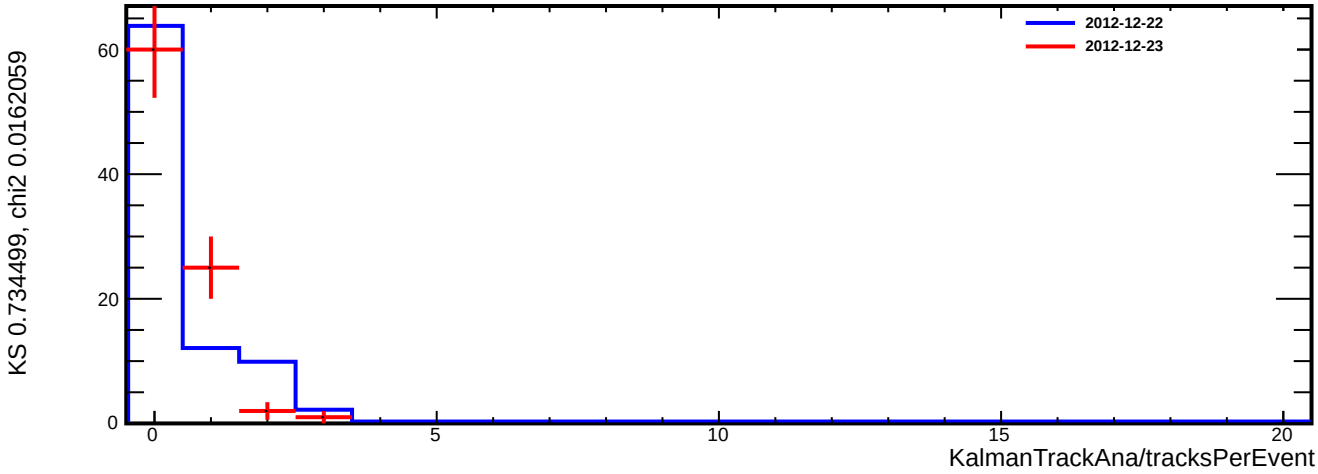

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

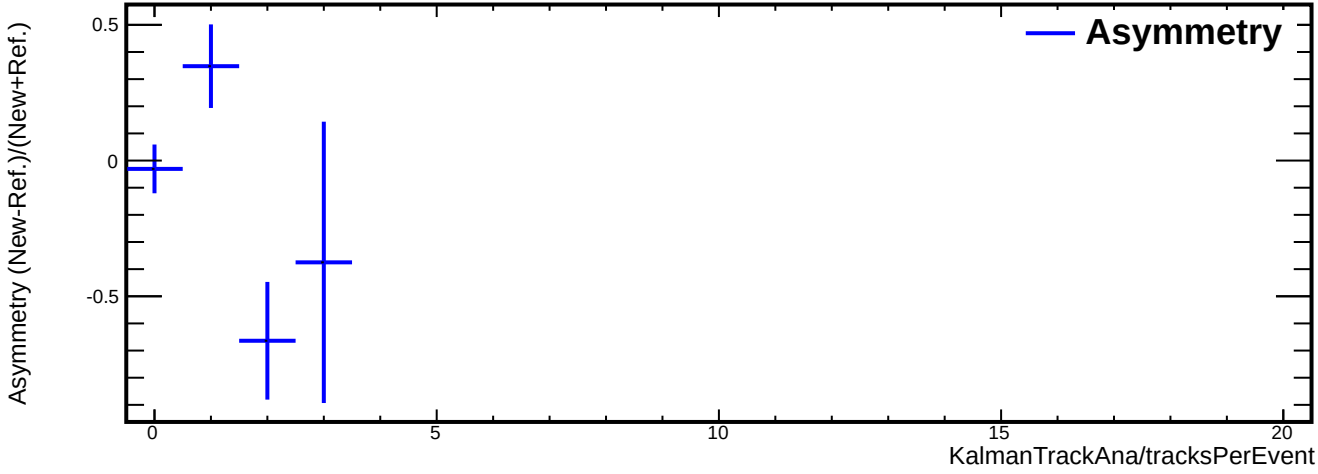

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

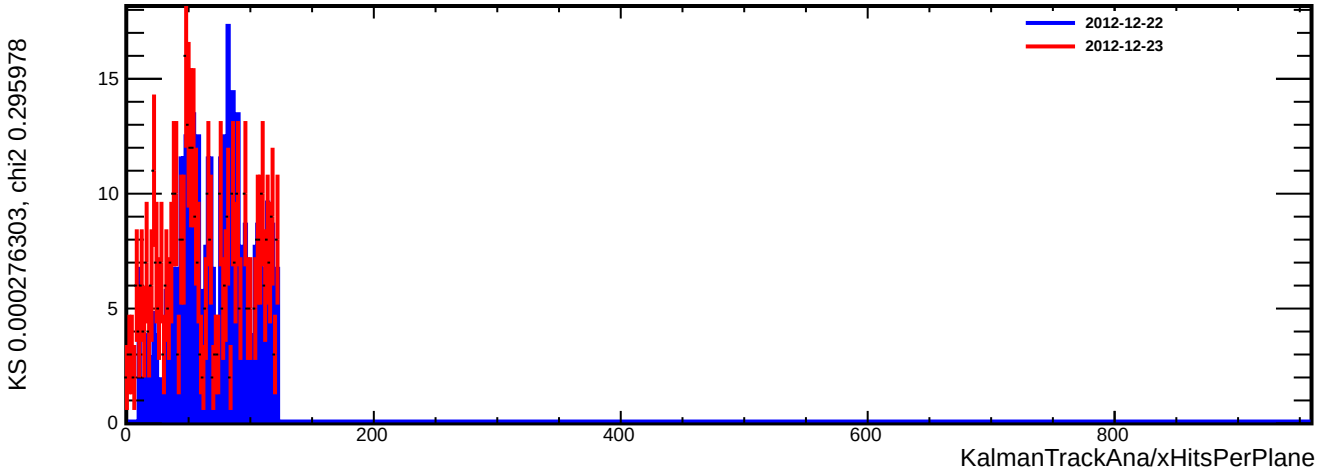

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

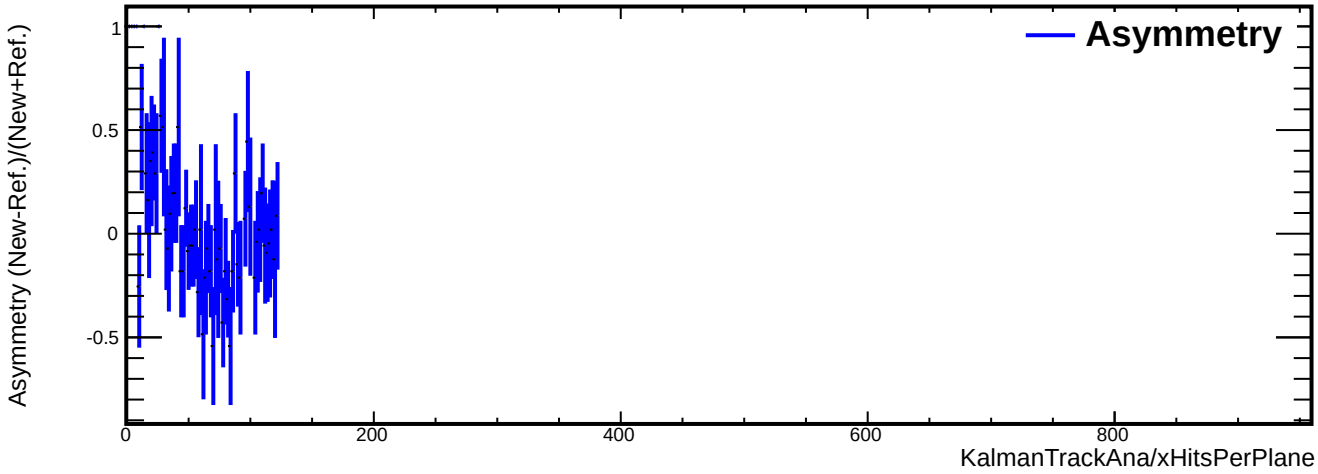

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

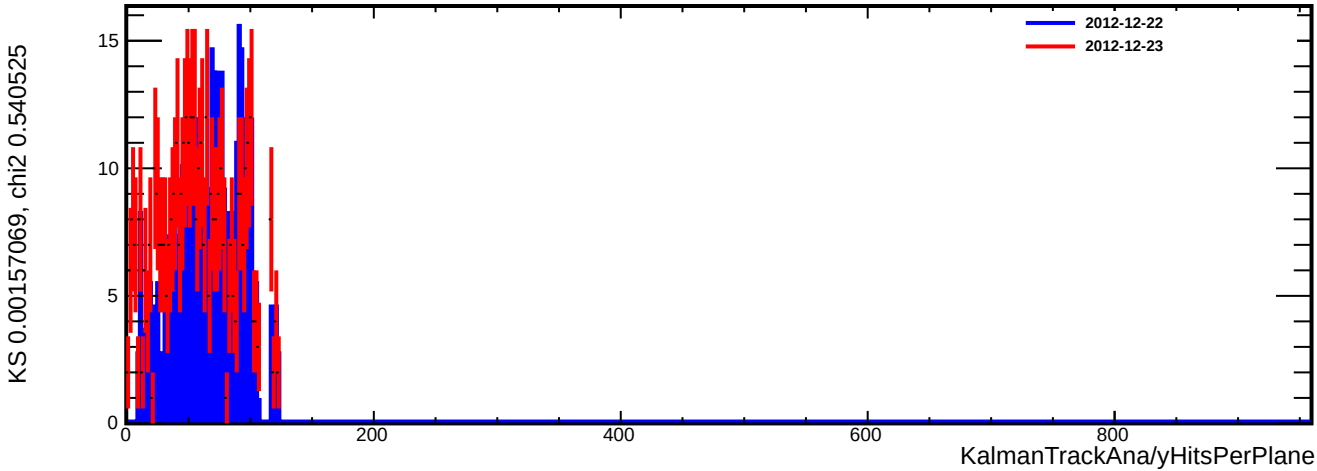

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

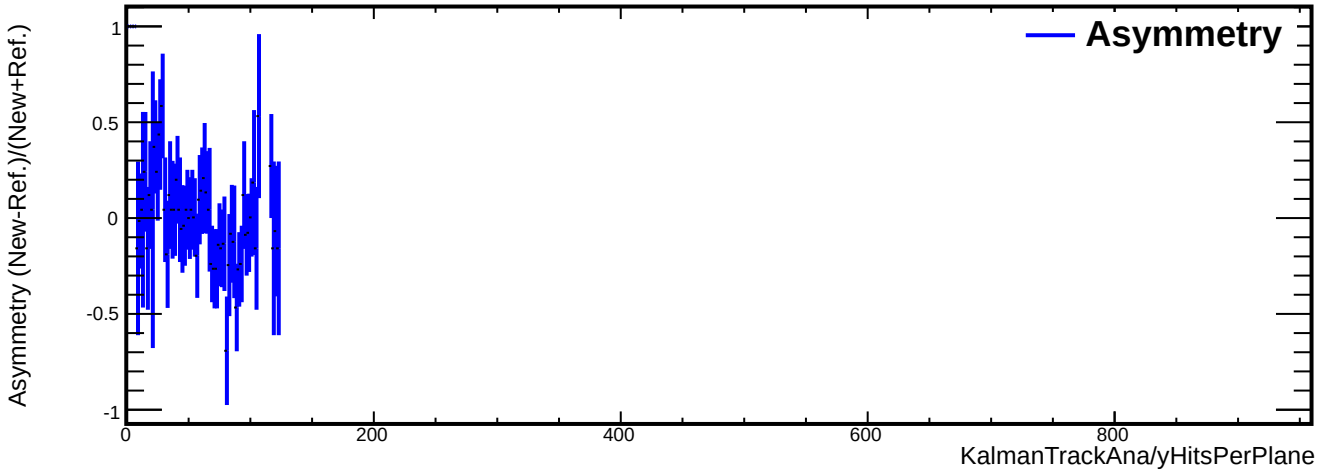

KS 0.734499, chi2 0.0162059
2012-12-22
2012-12-23
60
40
20
0
0
5
10
15
20
KalmanTrackAna/tracksPerEvent

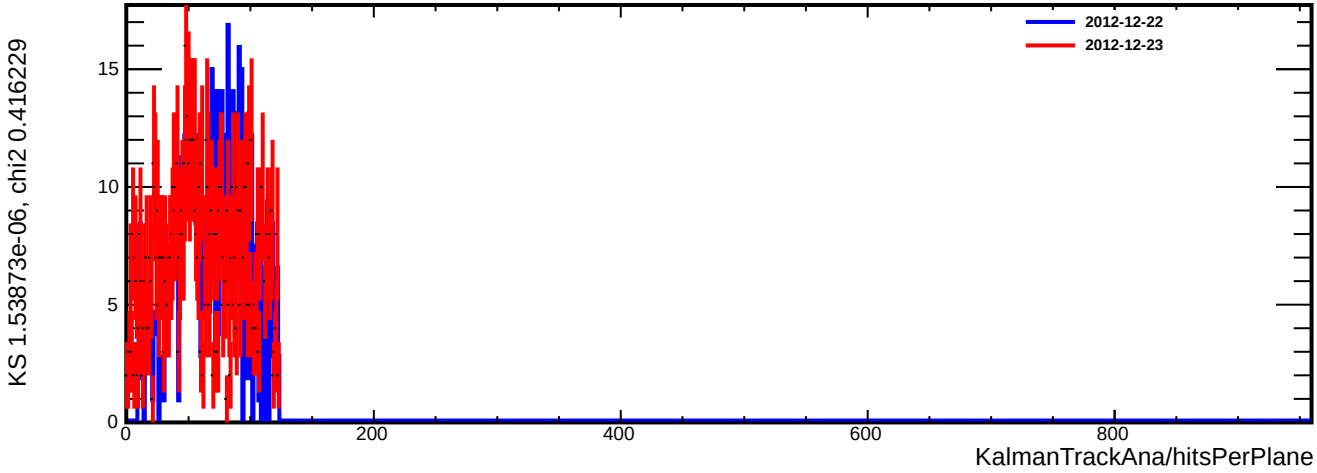

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
0
5
10
15
20
KalmanTrackAna/tracksPerEvent

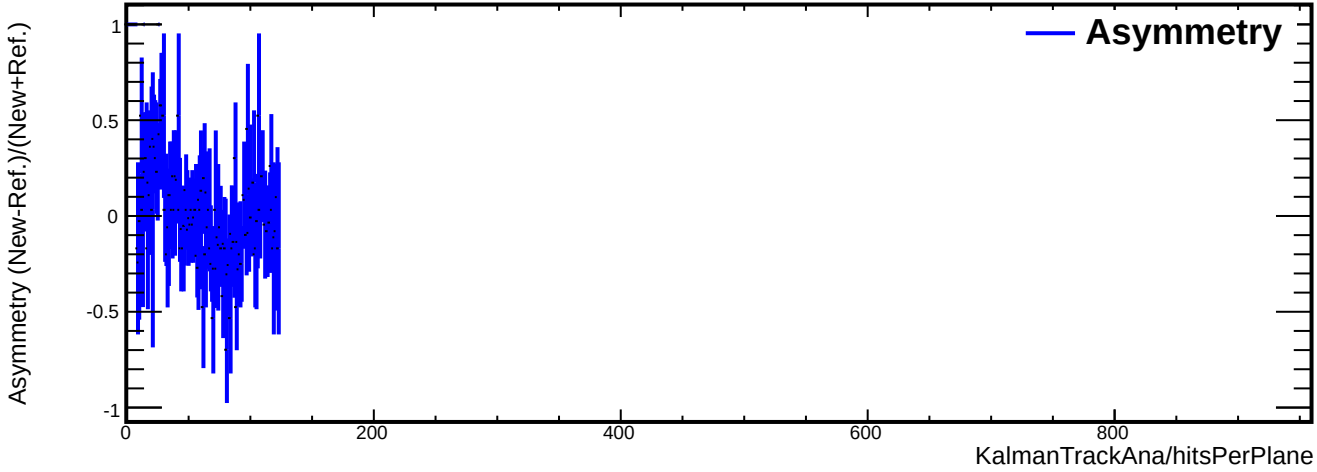

KS 0.000276303, chi2 0.295978
2012-12-22
2012-12-23
0
5
10
15
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

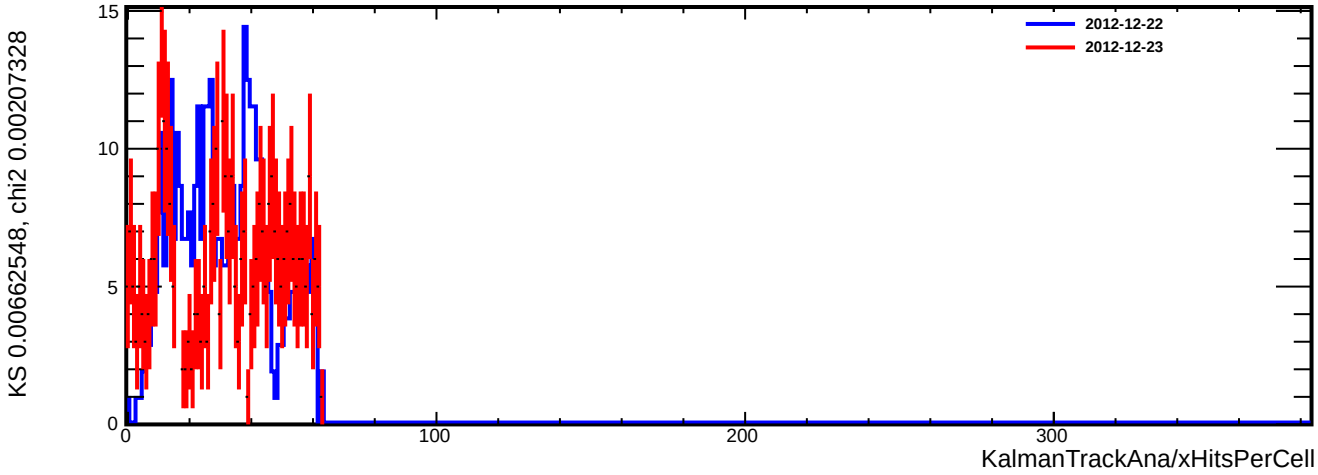

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

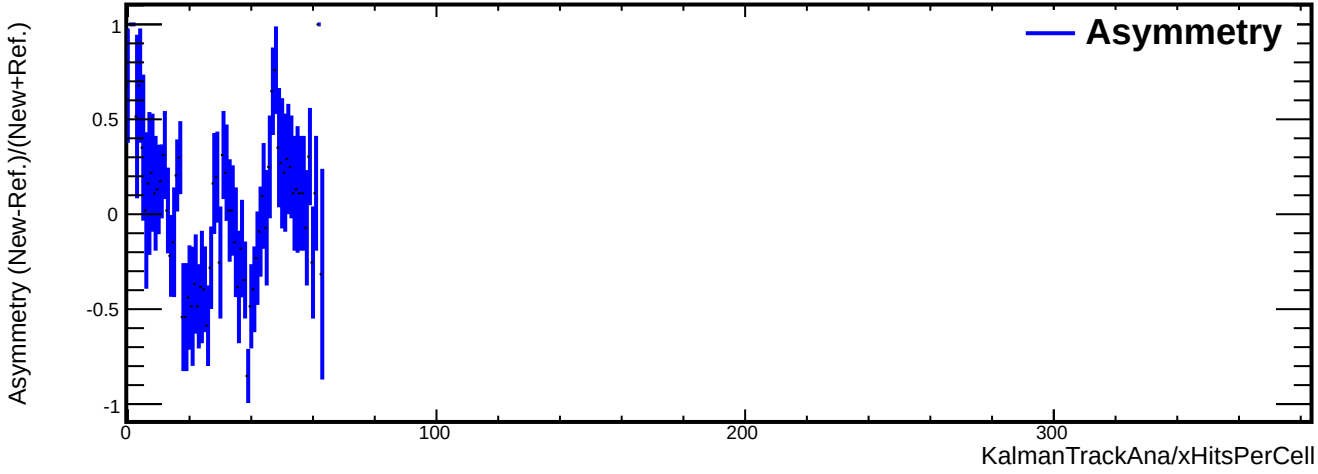

KS 0.00157069, chi2 0.540525
2012-12-22
2012-12-23
15
10
5
0
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

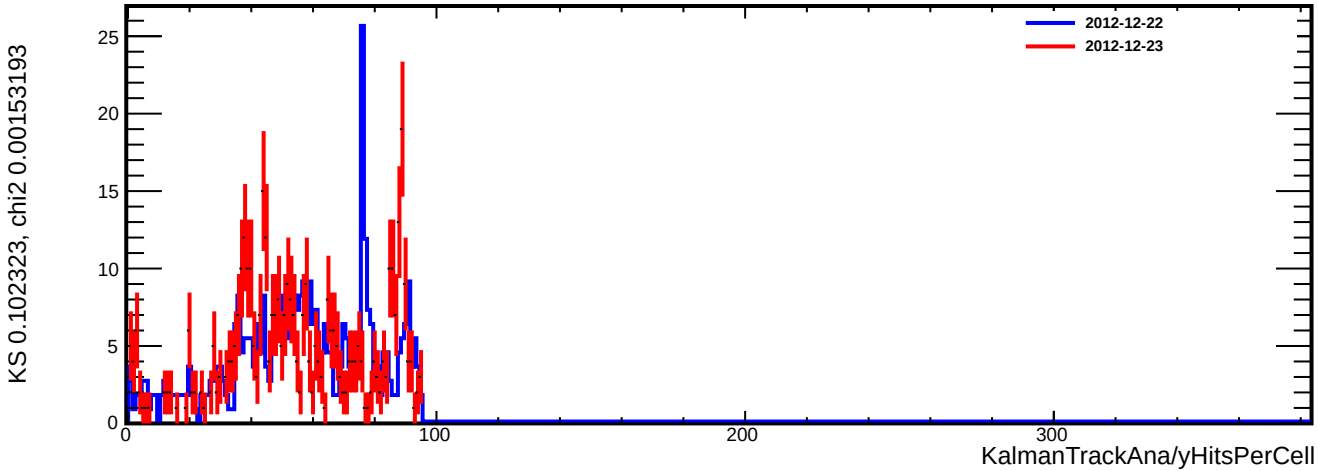

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

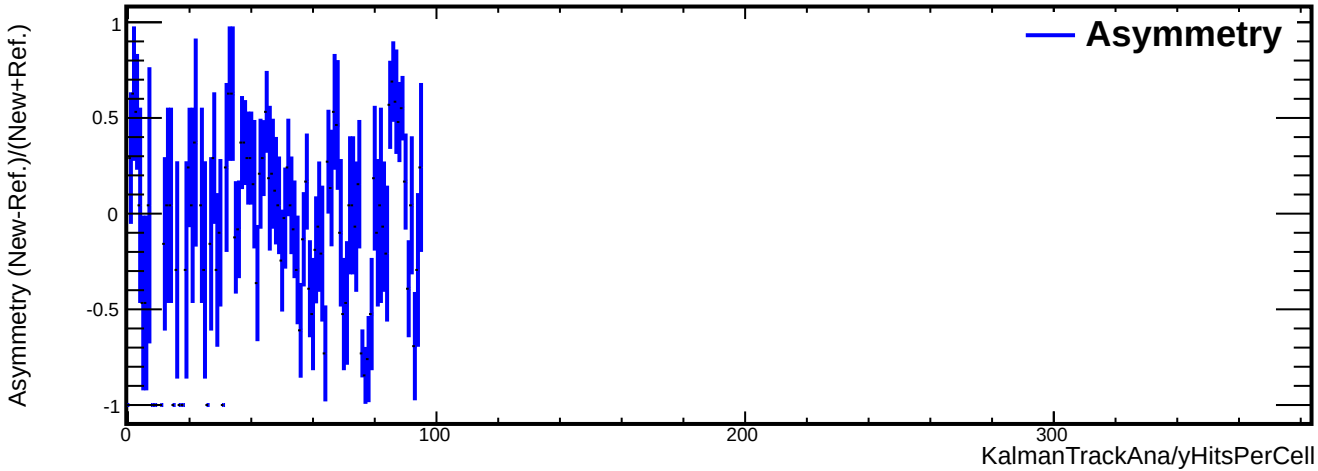

KS 1.53873e-06, chi2 0.416229
2012-12-22
2012-12-23
0
5
10
15
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

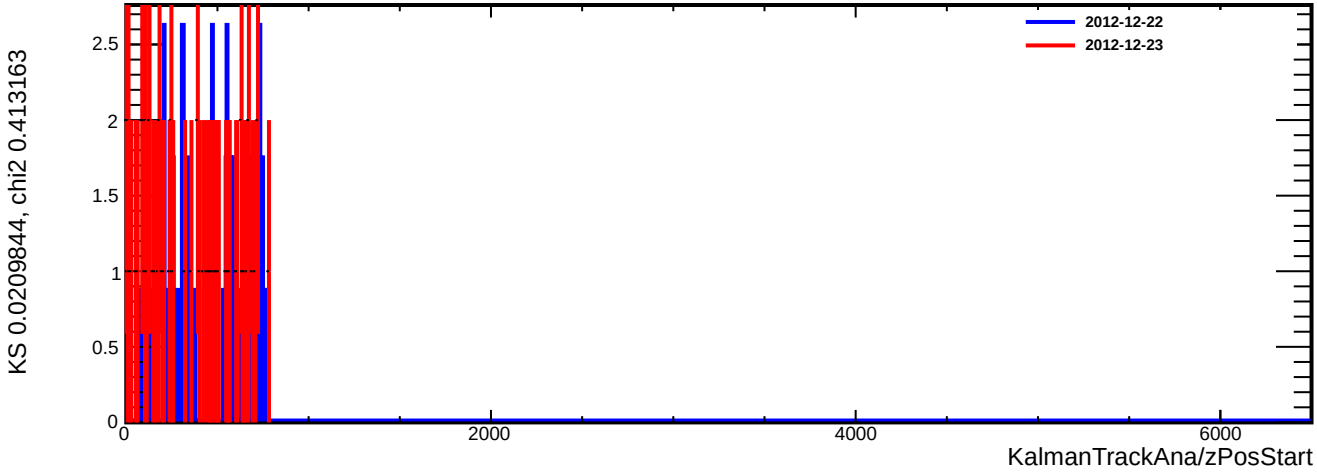

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

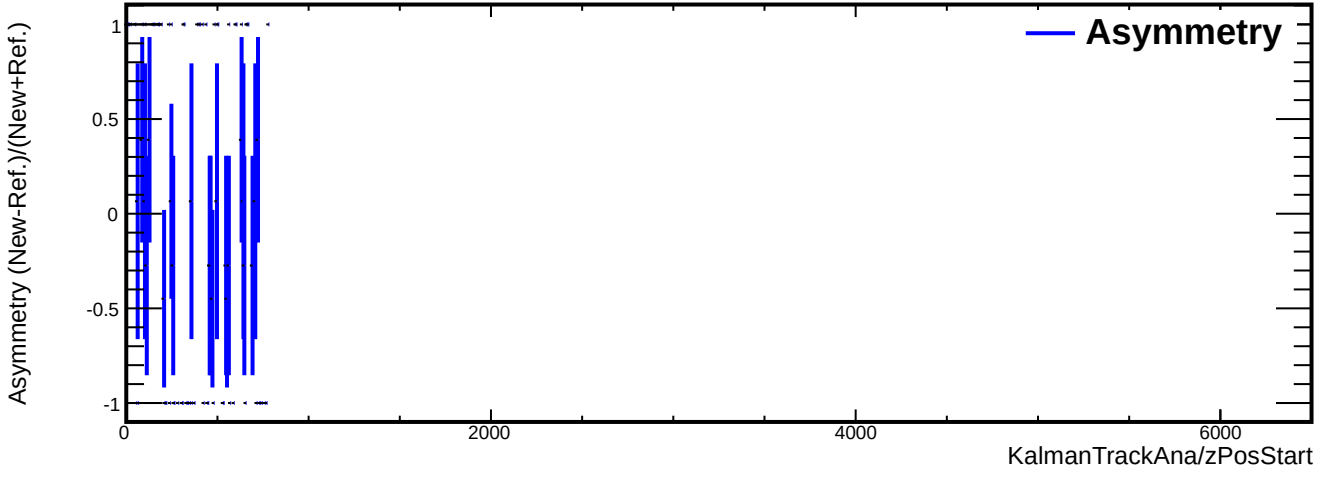

KS 0.00662548, chi2 0.00207328
2012-12-22
2012-12-23
KalmanTrackAna/xHitsPerCell

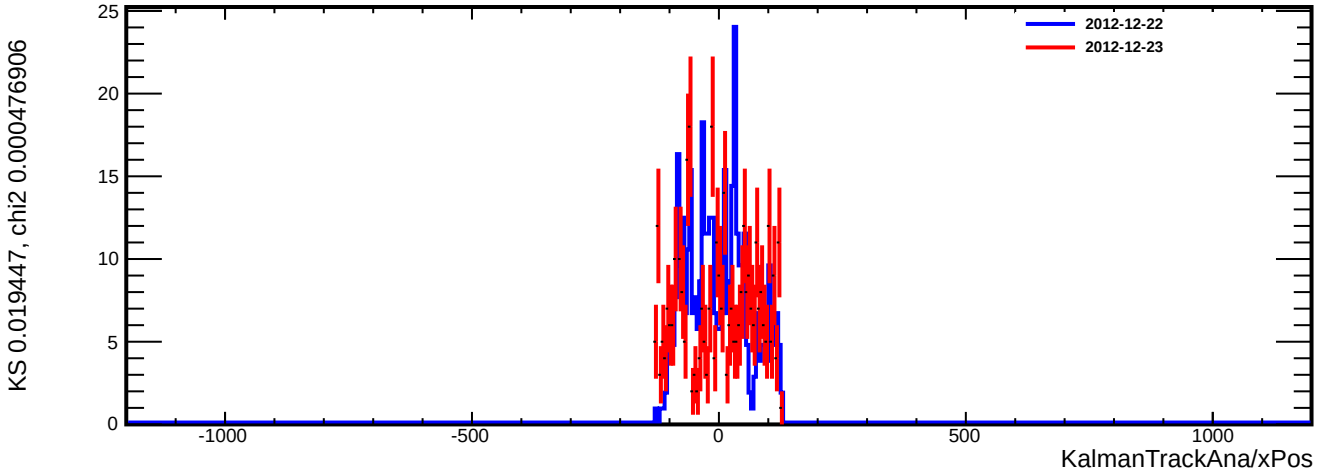

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/xHitsPerCell

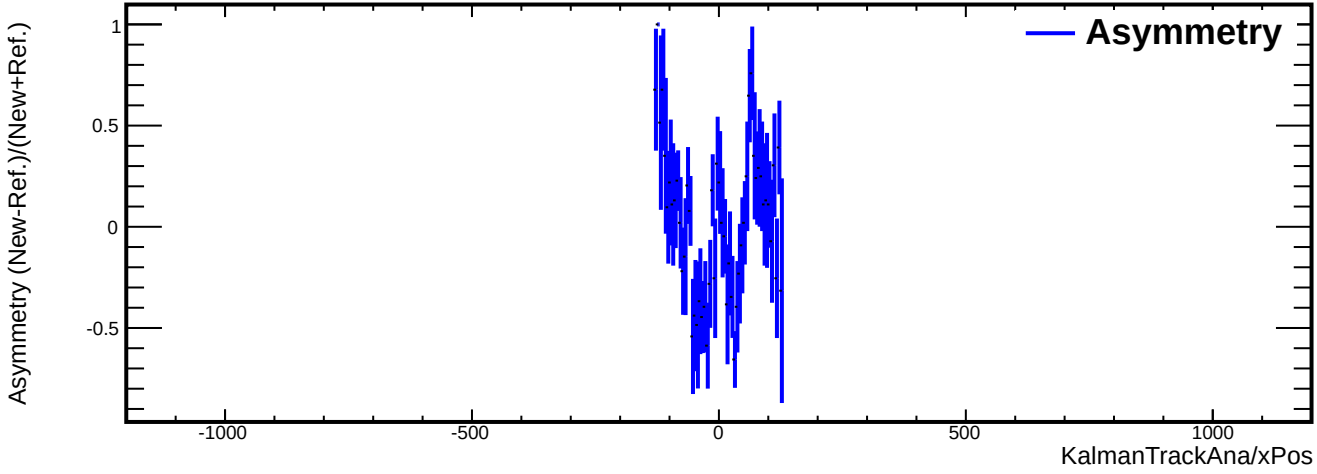

KS 0.102323, chi2 0.00153193
2012-12-22
2012-12-23
0
5
10
15
20
25
0
100
200
300
KalmanTrackAna/yHitsPerCell

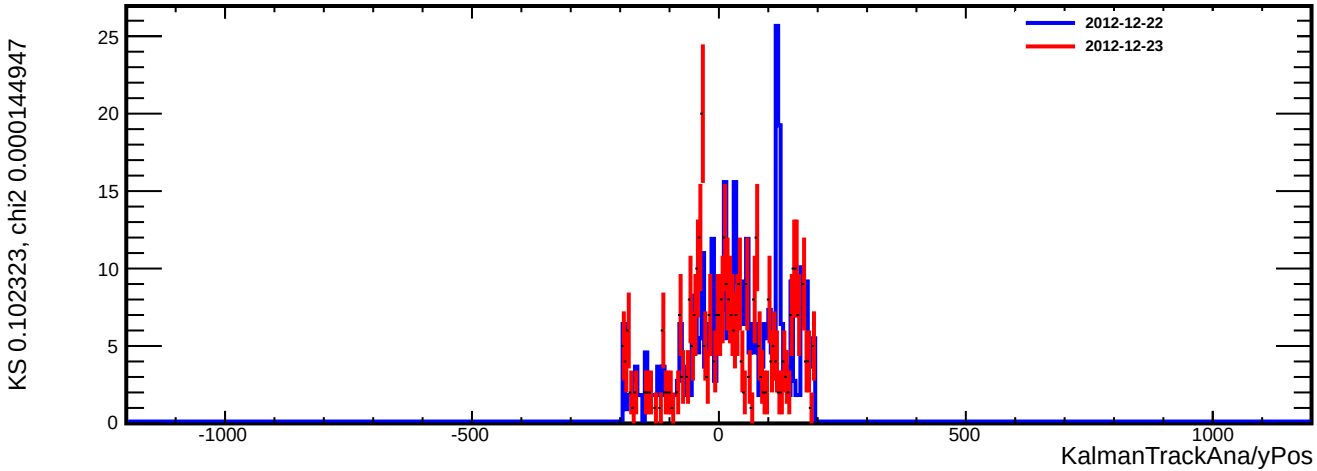

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

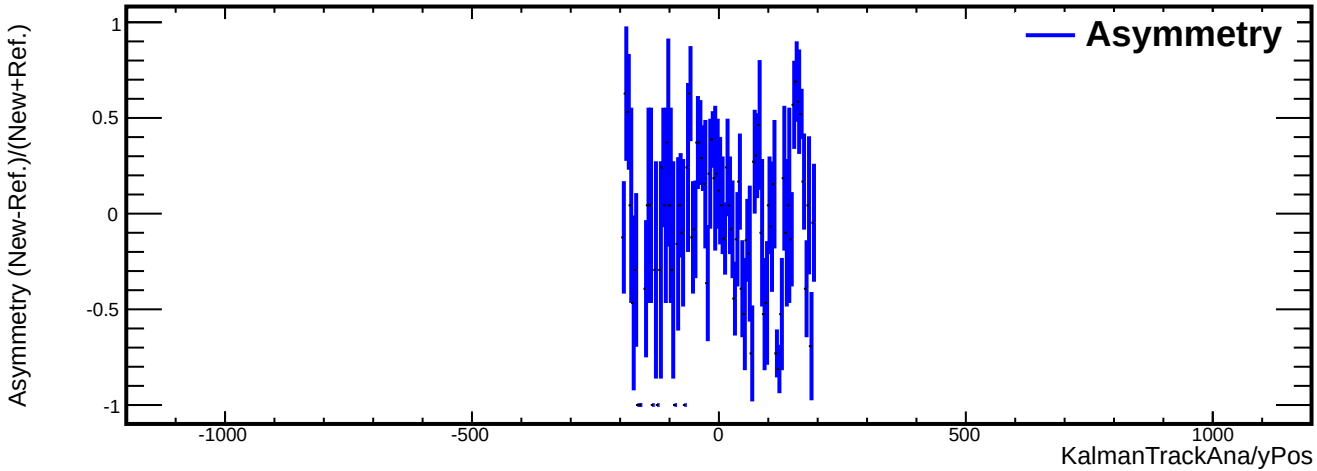

KS 0.0209844, chi2 0.413163
2012-12-22
2012-12-23
2.5
2
1.5
1
0.5
0
0
2000
4000
6000
KalmanTrackAna/zPosStart

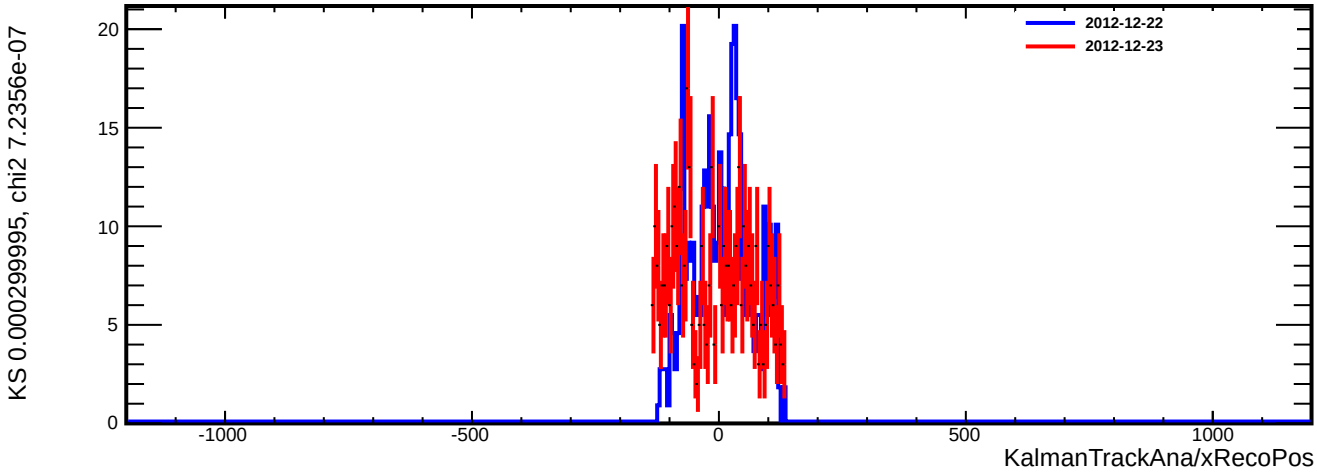

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2000
4000
6000
KalmanTrackAna/zPosStart

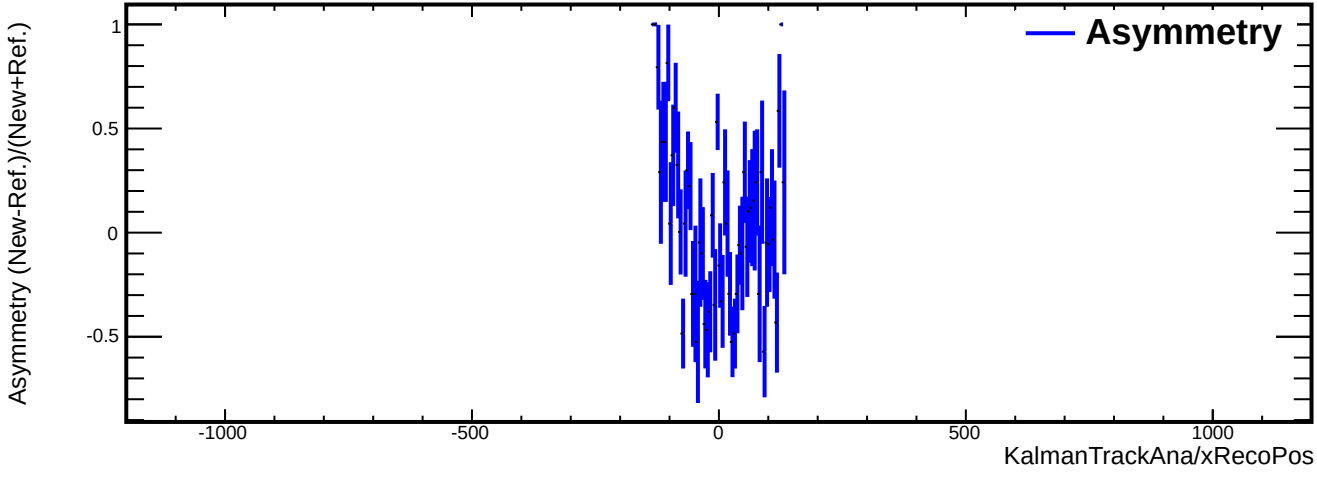

KS 0.019447, chi2 0.000476906
2012-12-22
2012-12-23
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos

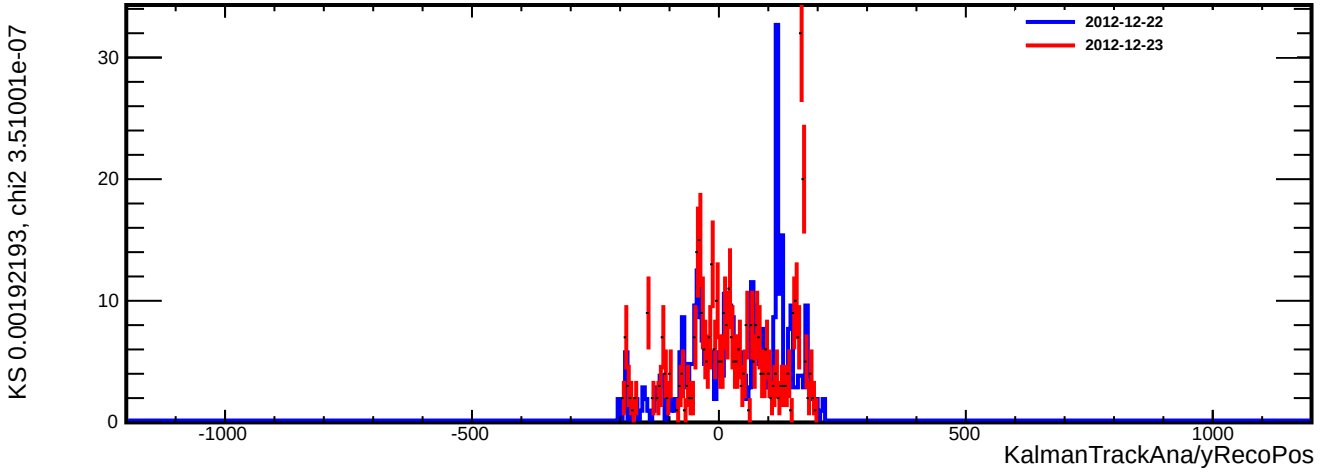

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1000
-500
0
500
1000
KalmanTrackAna/xPos

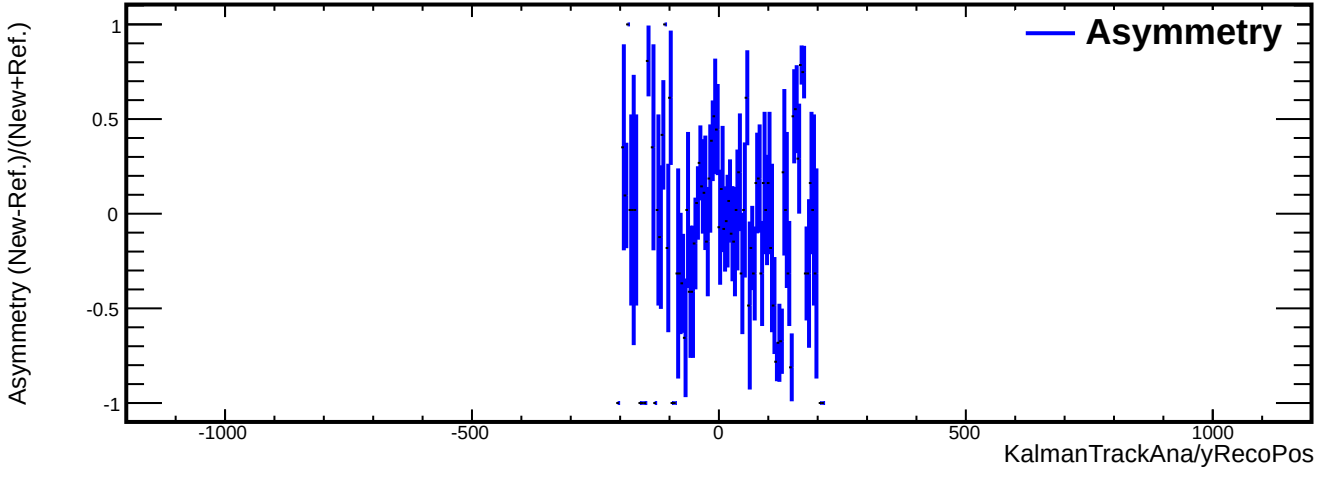

KS 0.102323, chi2 0.000144947
2012-12-22
2012-12-23
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos

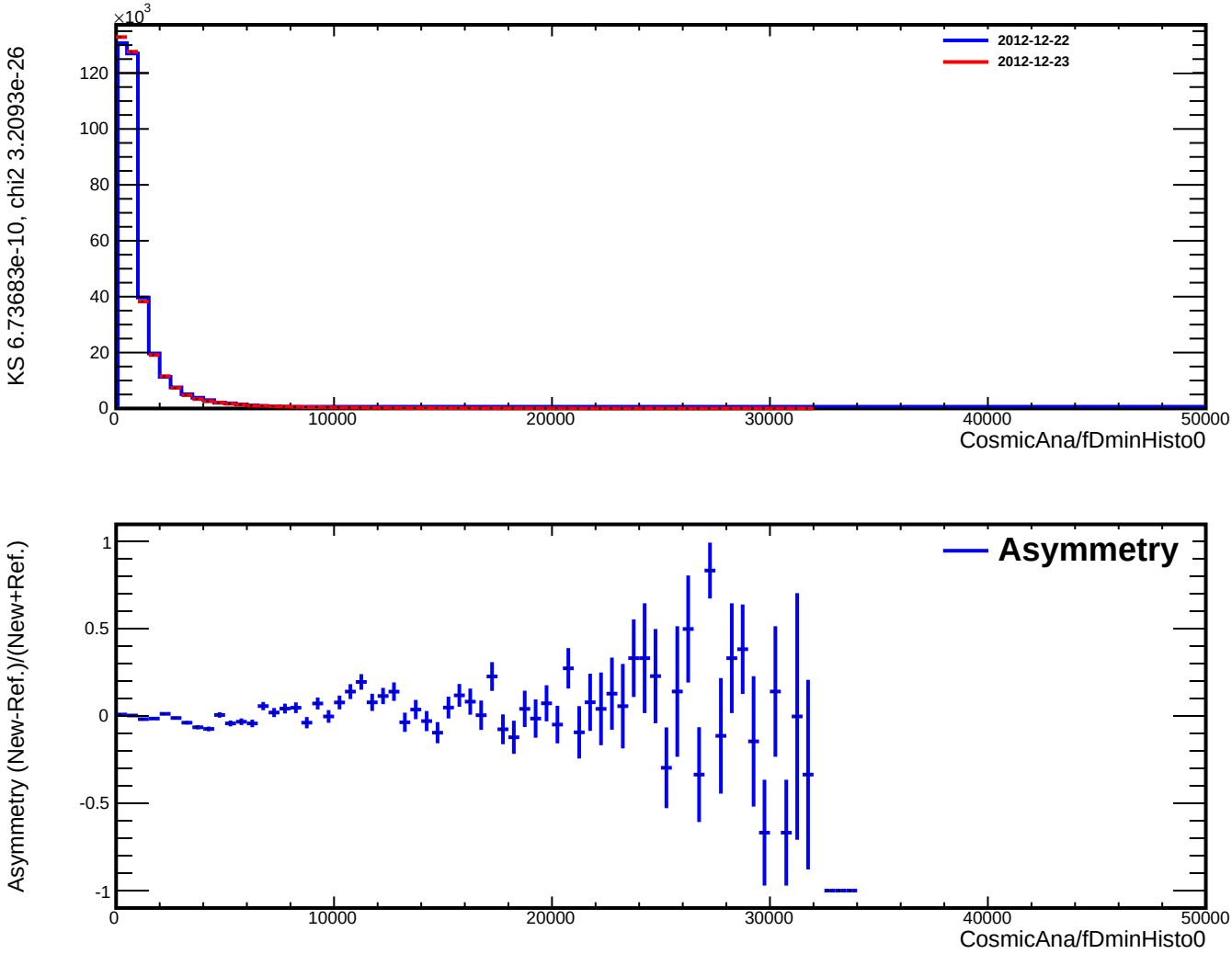

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

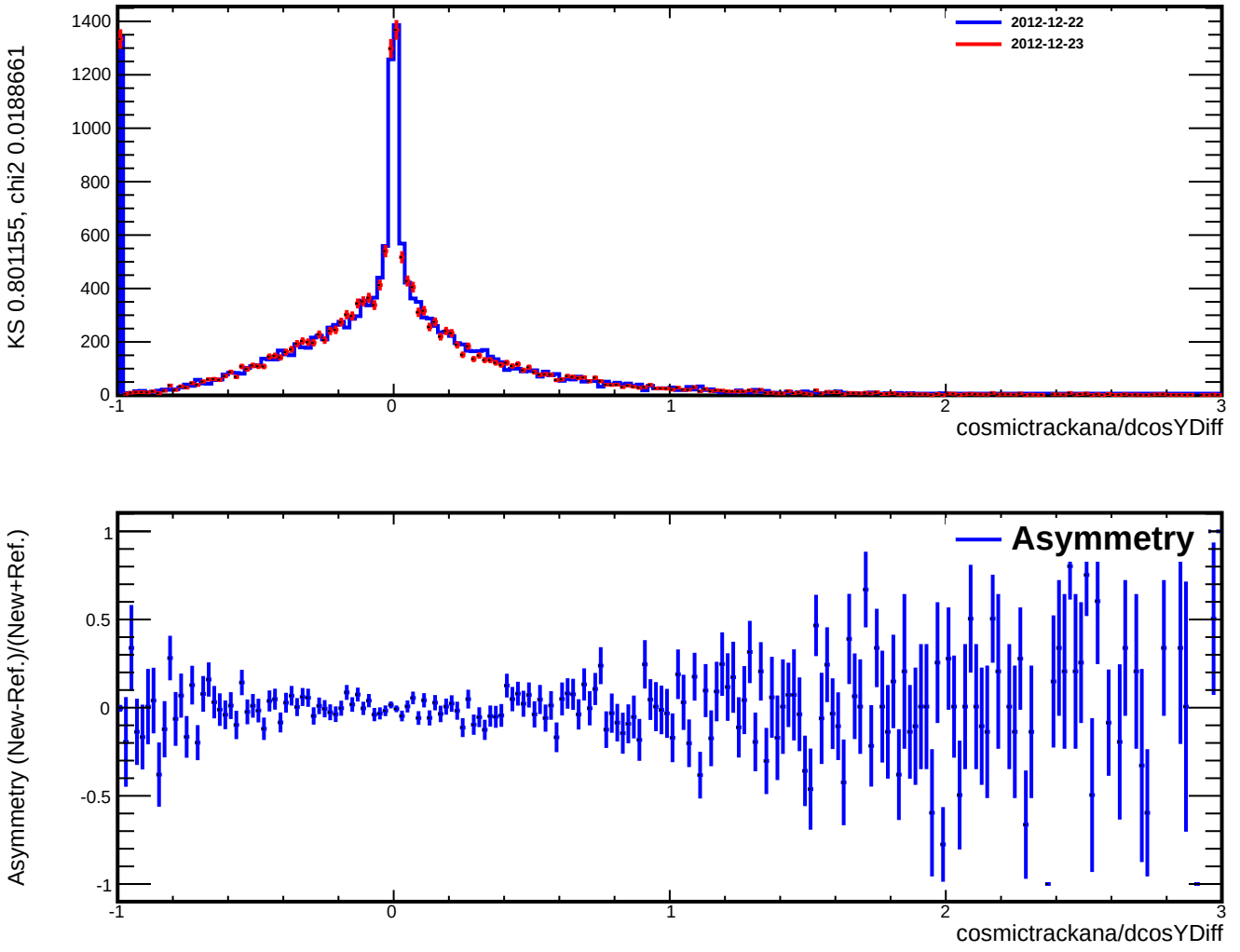

KS 0.000299995, chi2 7.2356e-07
2012-12-22
2012-12-23
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

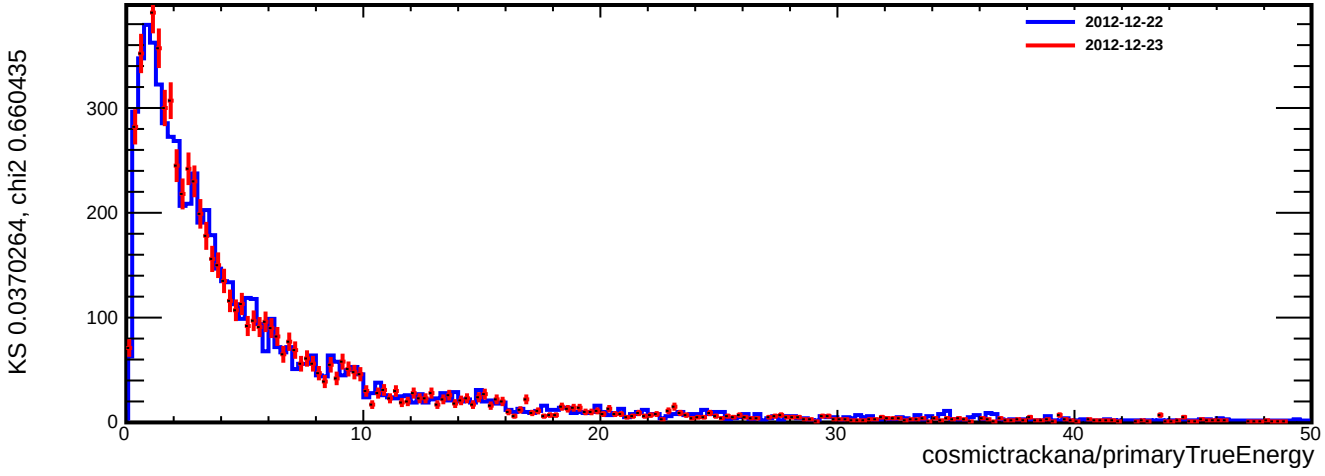

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

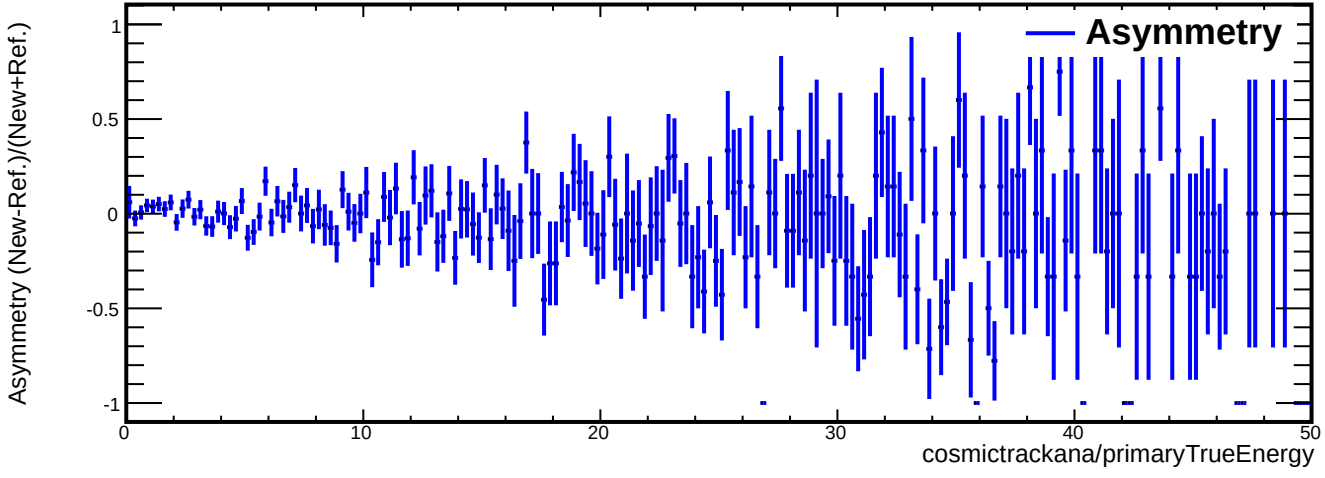

KS 0.00192193, chi2 3.51001e-07
2012-12-22
2012-12-23
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

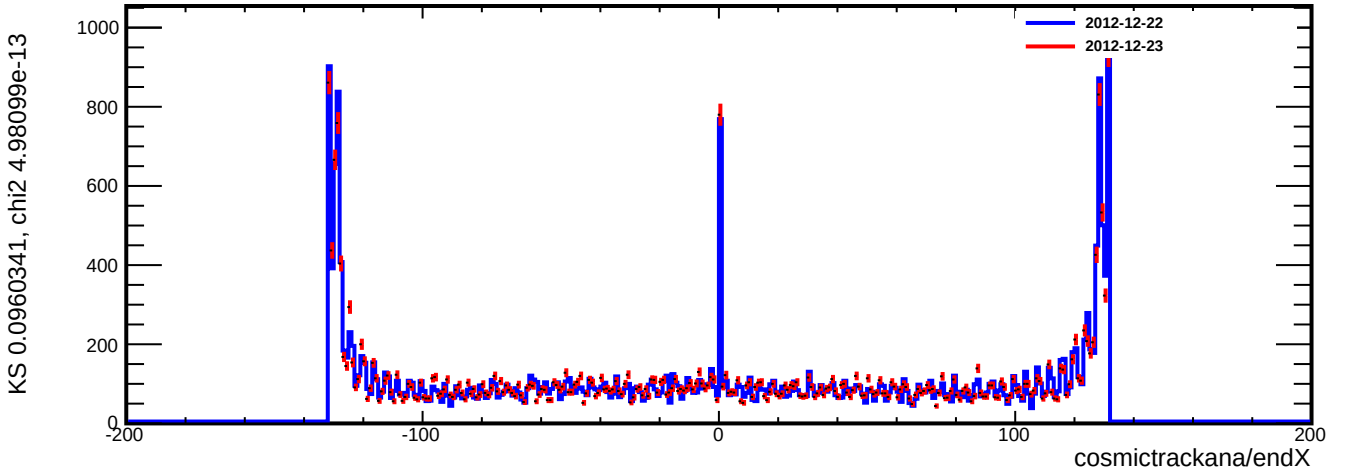

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

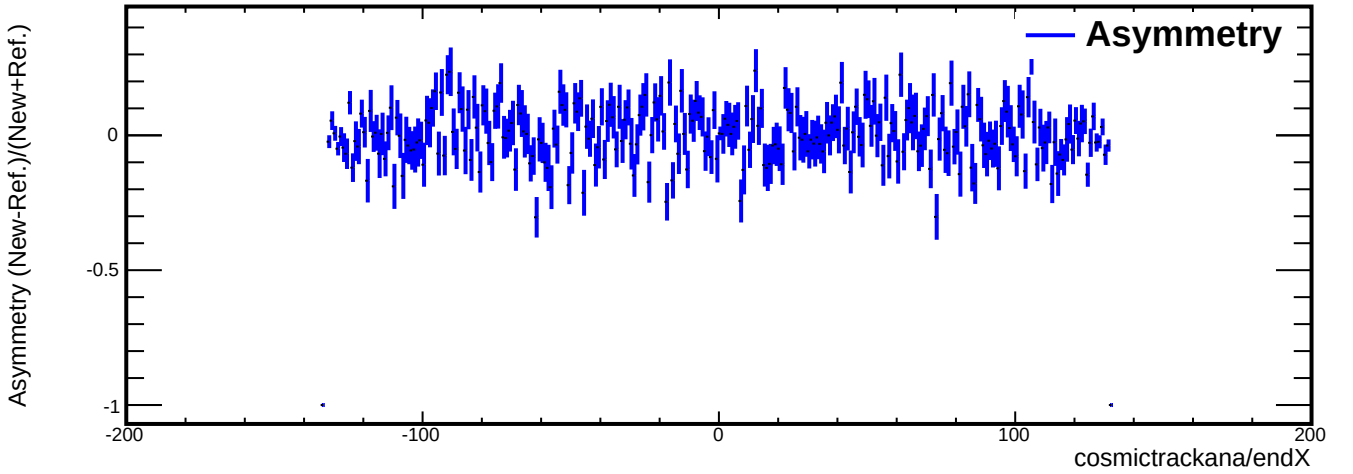

KS 6.73683e-10, chi2 3.2093e-26
×10^3
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
2012-12-22
2012-12-23
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
Asymmetry
CosmicAna/fDminHisto0

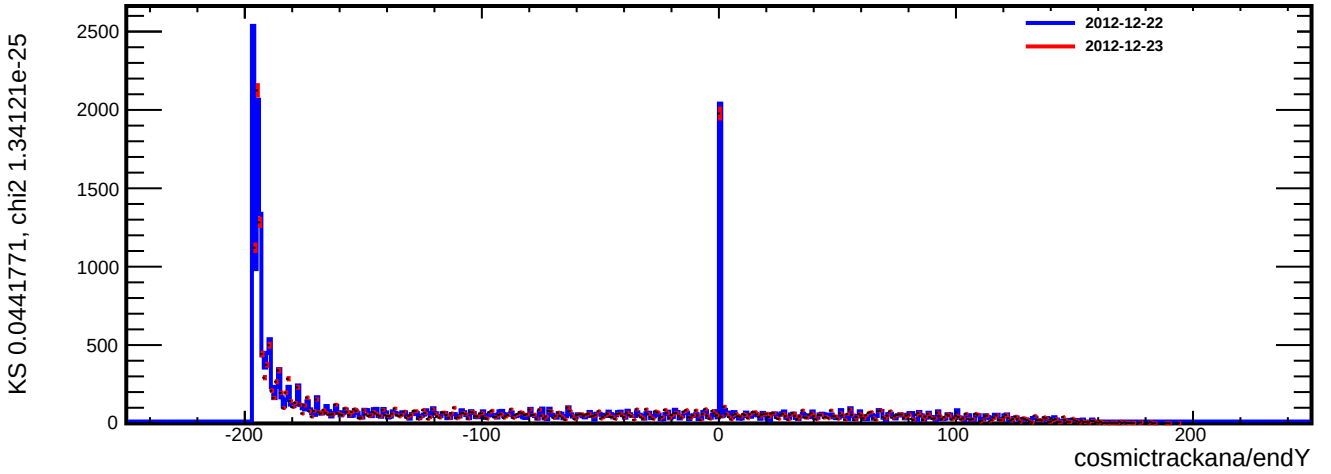

KS 0.801155, chi2 0.0188661
2012-12-22
2012-12-23
cosmictrackana/dcosYDiff
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dcosYDiff

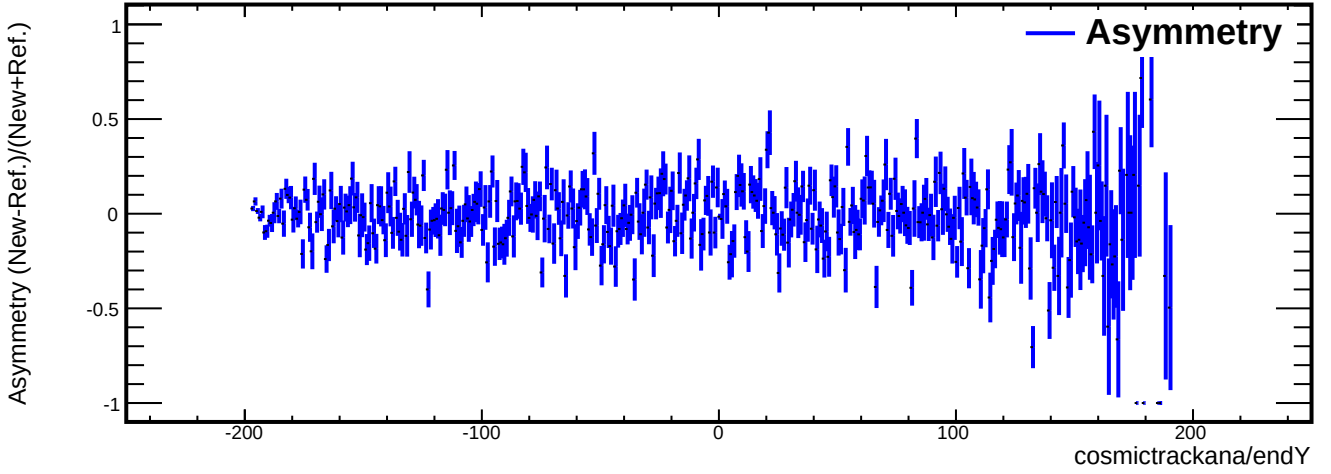

KS 0.0370264, chi2 0.660435
2012-12-22
2012-12-23
0
100
200
300
0
10
20
30
40
50
cosmictrackana/primaryTrueEnergy

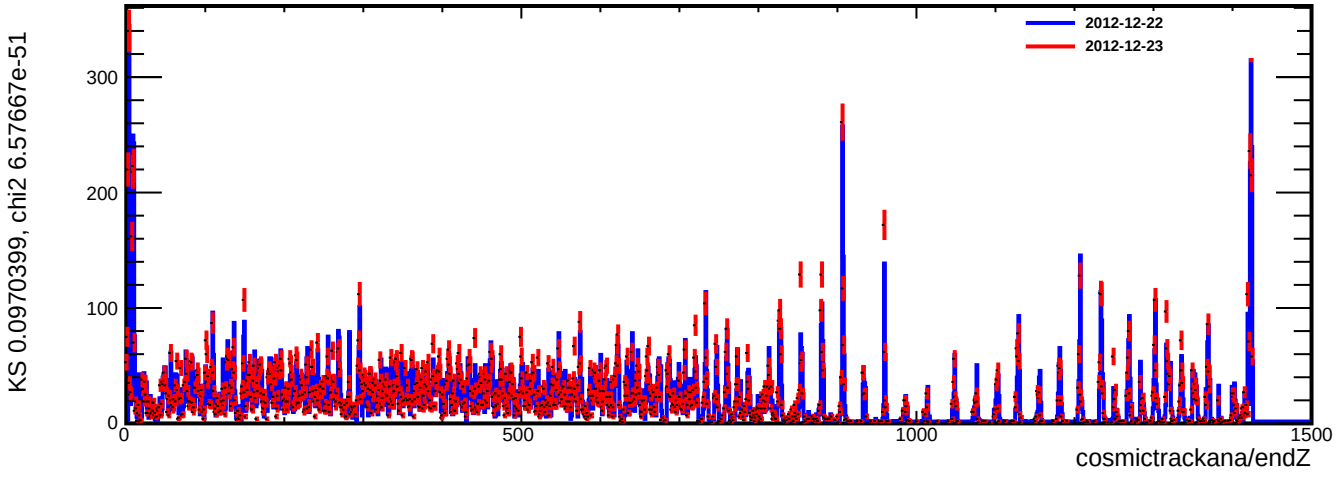

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
cosmictrackana/primaryTrueEnergy

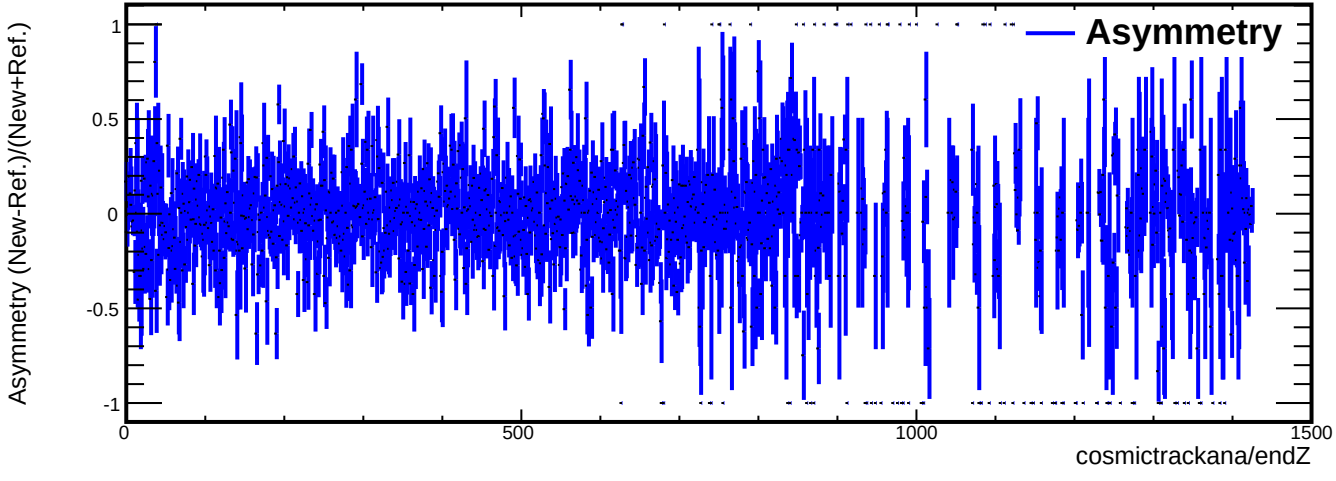

KS 0.0960341, chi2 4.98099e-13
2012-12-22
2012-12-23
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

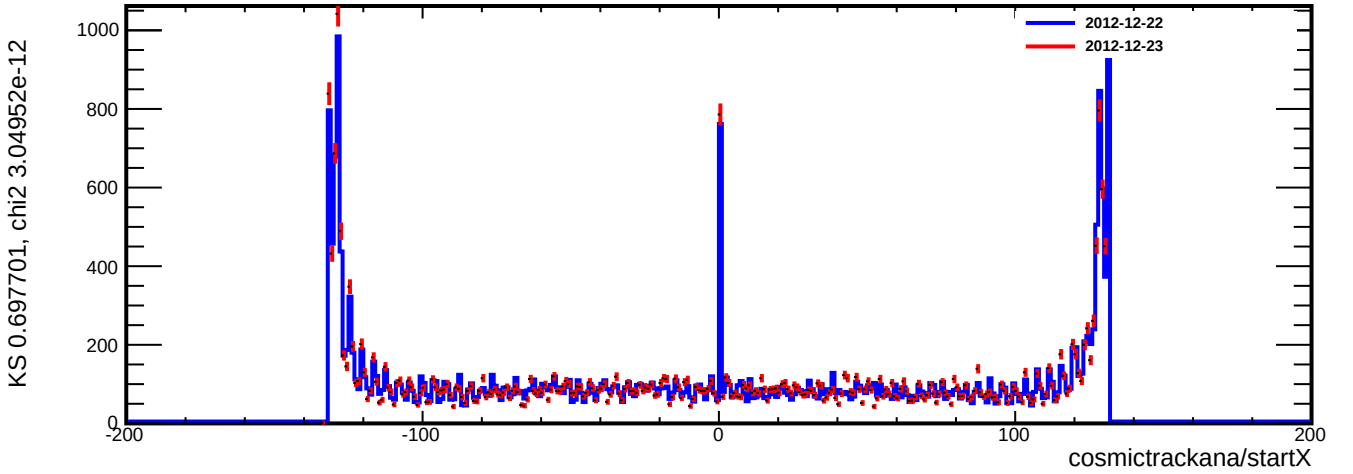

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endX

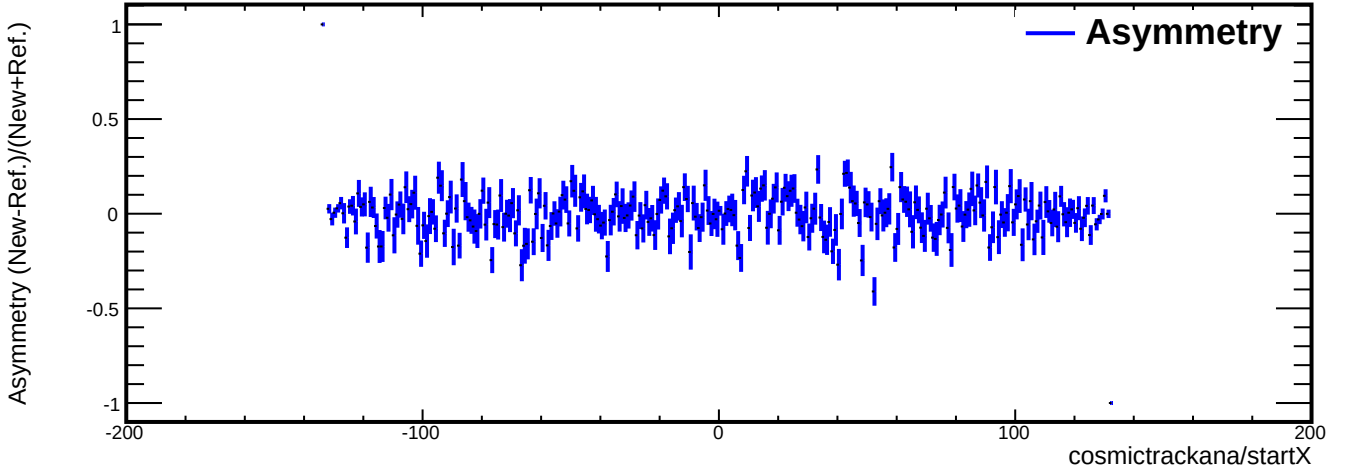

KS 0.0441771, chi2 1.34121e-25
2012-12-22
2012-12-23
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

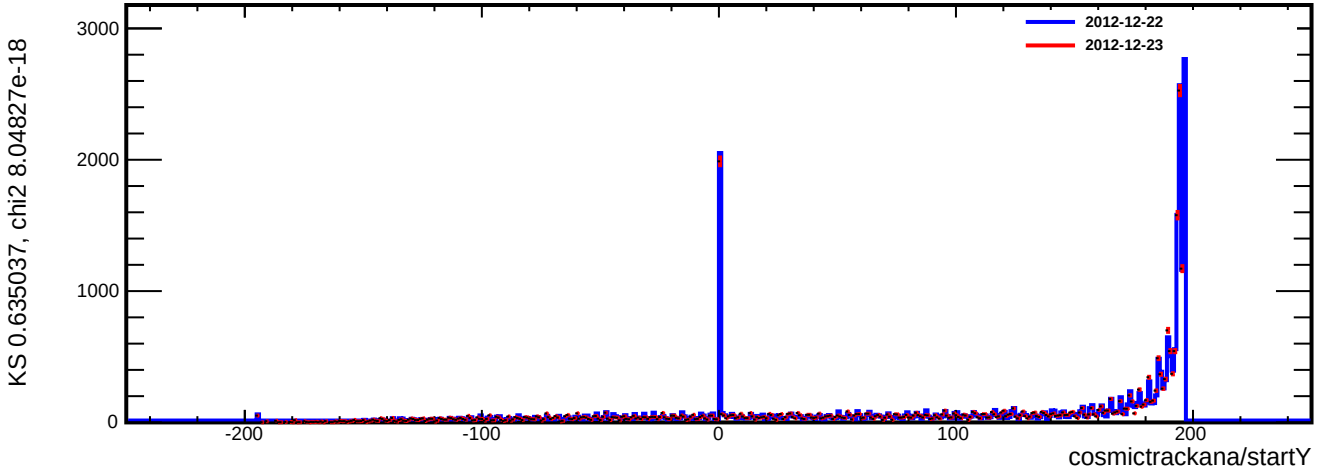

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

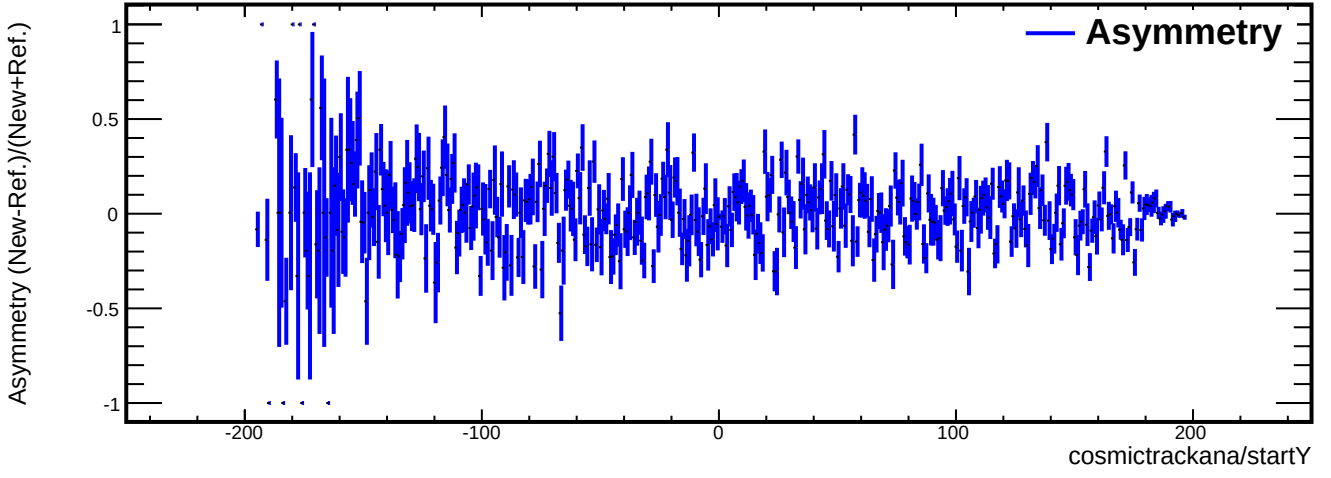

KS 0.0970399, chi2 6.57667e-51
2012-12-22
2012-12-23
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

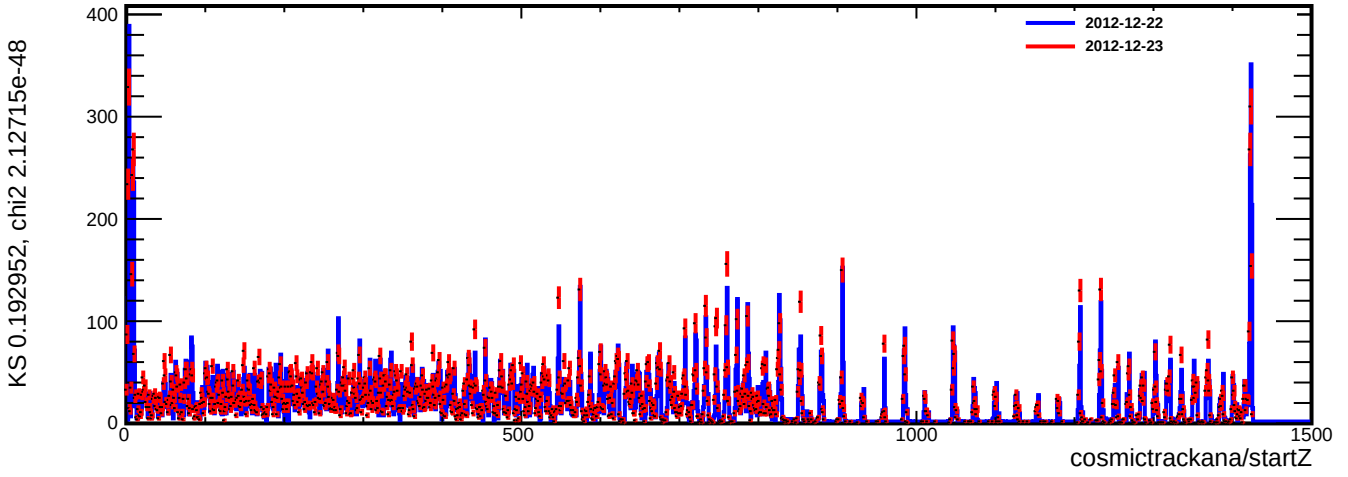

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

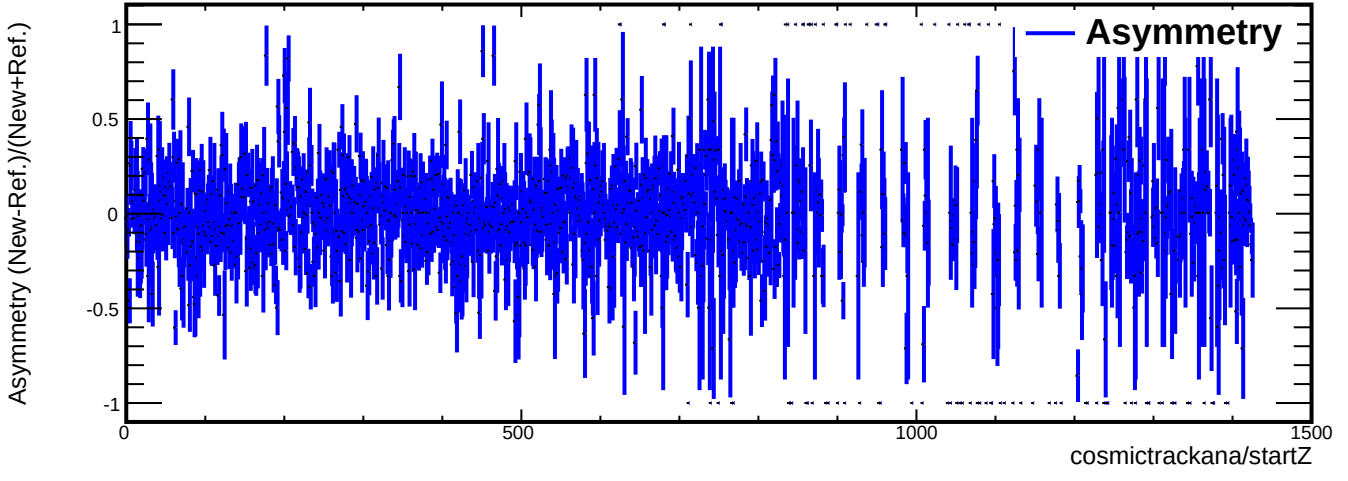

KS 0.697701, chi2 3.04952e-12
2012-12-22
2012-12-23
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

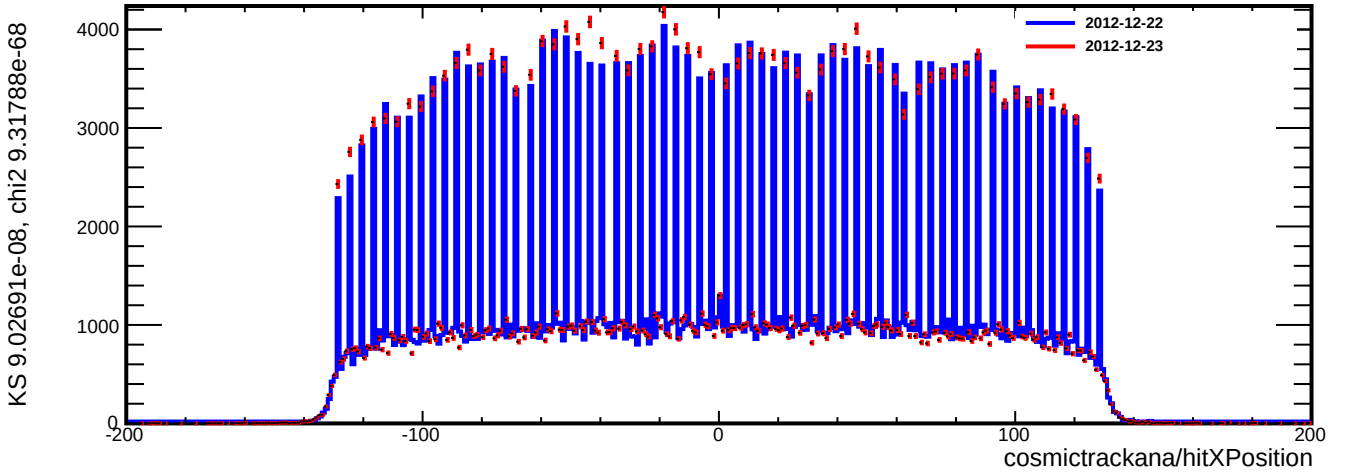

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startX

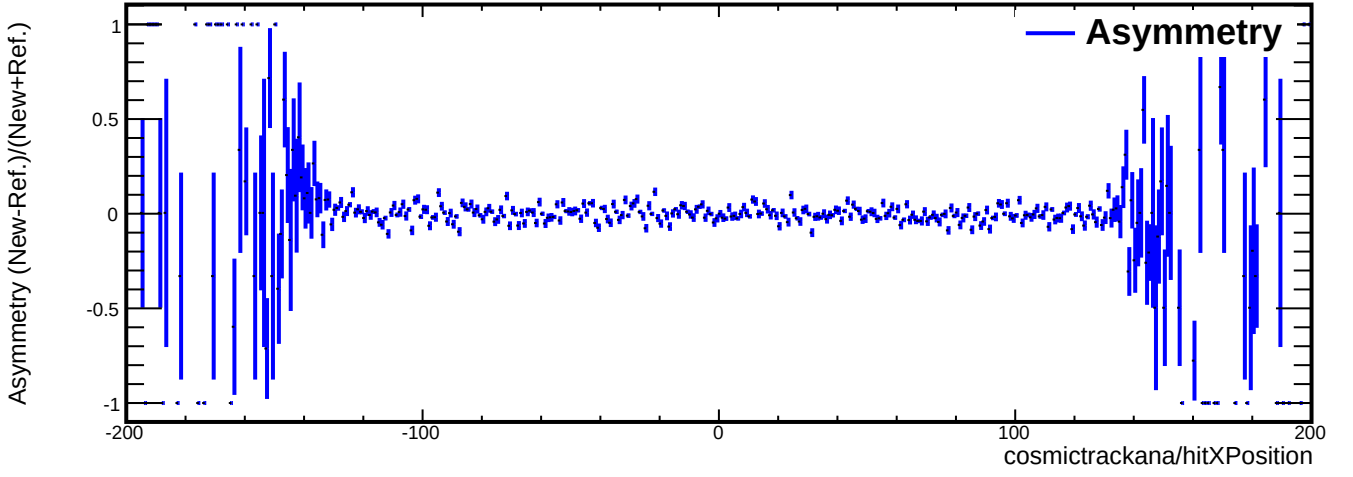

KS 0.635037, chi2 8.04827e-18
2012-12-22
2012-12-23
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

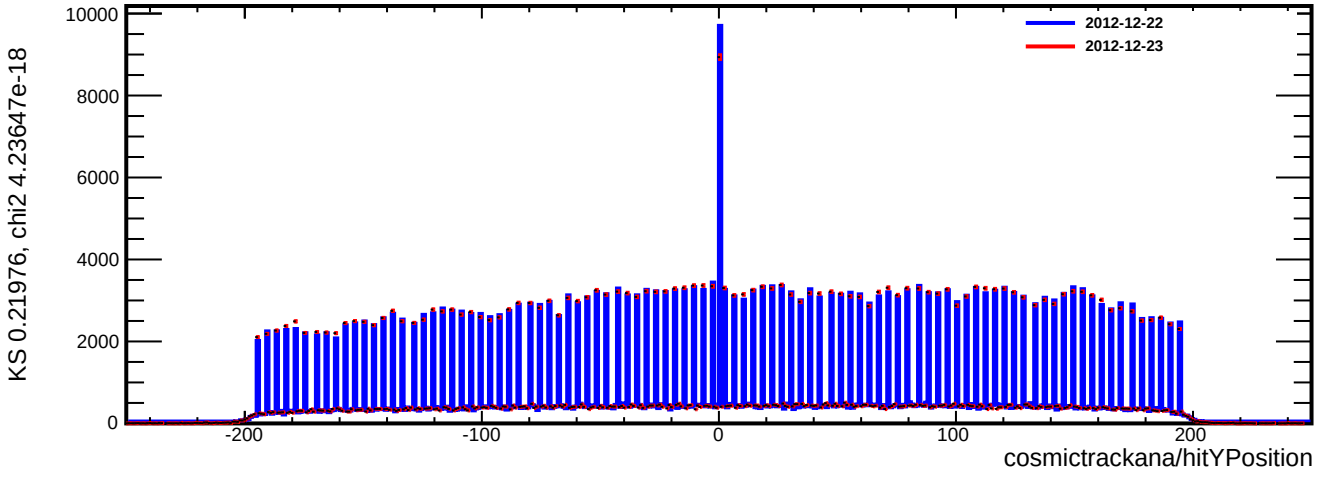

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

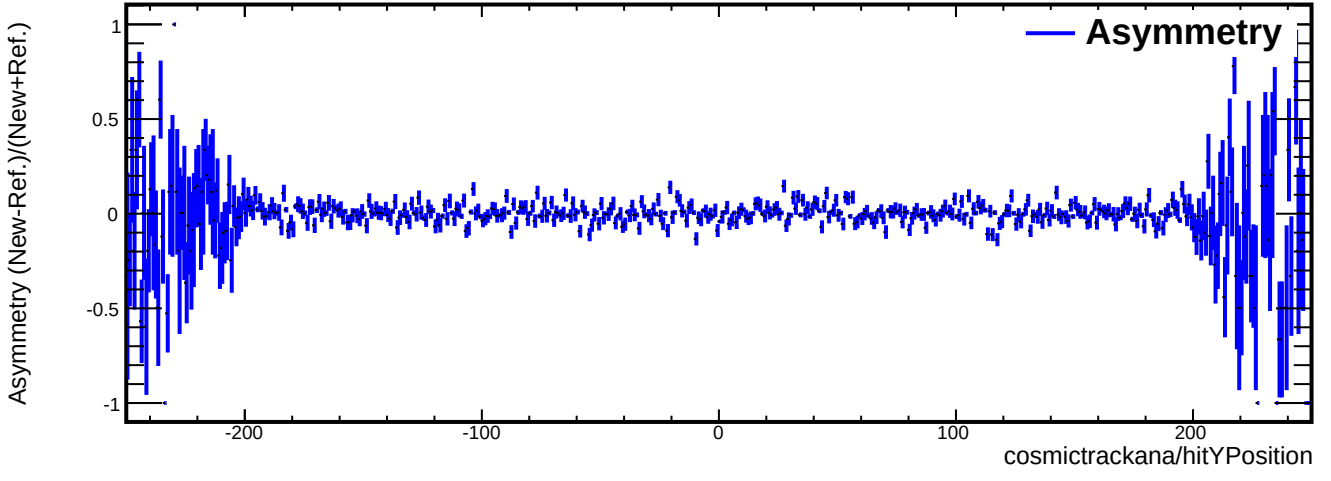

KS 0.192952, chi2 2.12715e-48
400
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ
2012-12-22
2012-12-23

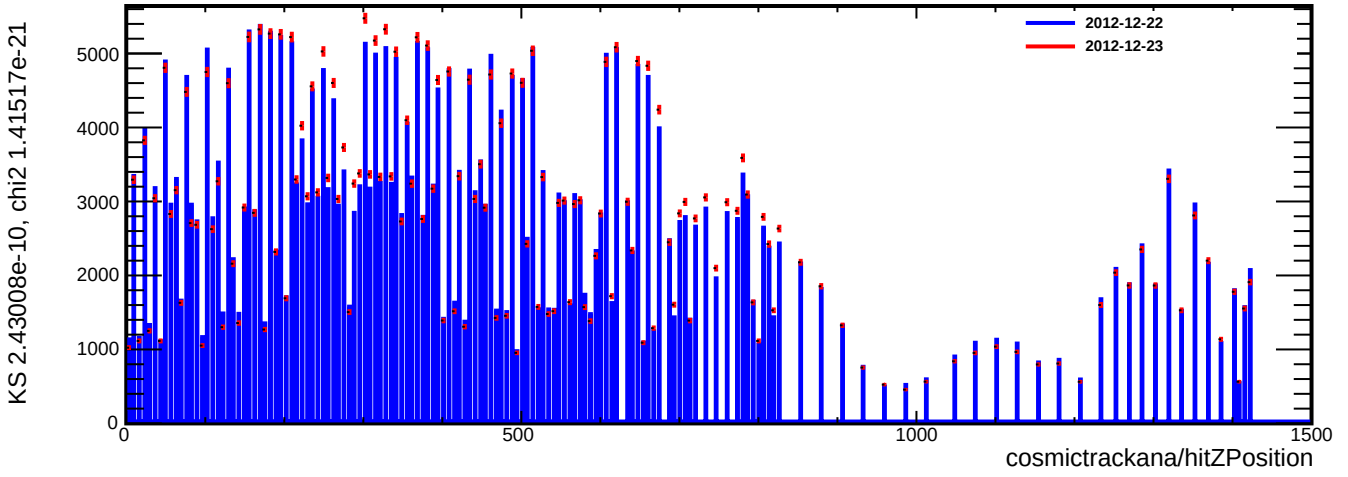

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ
Asymmetry

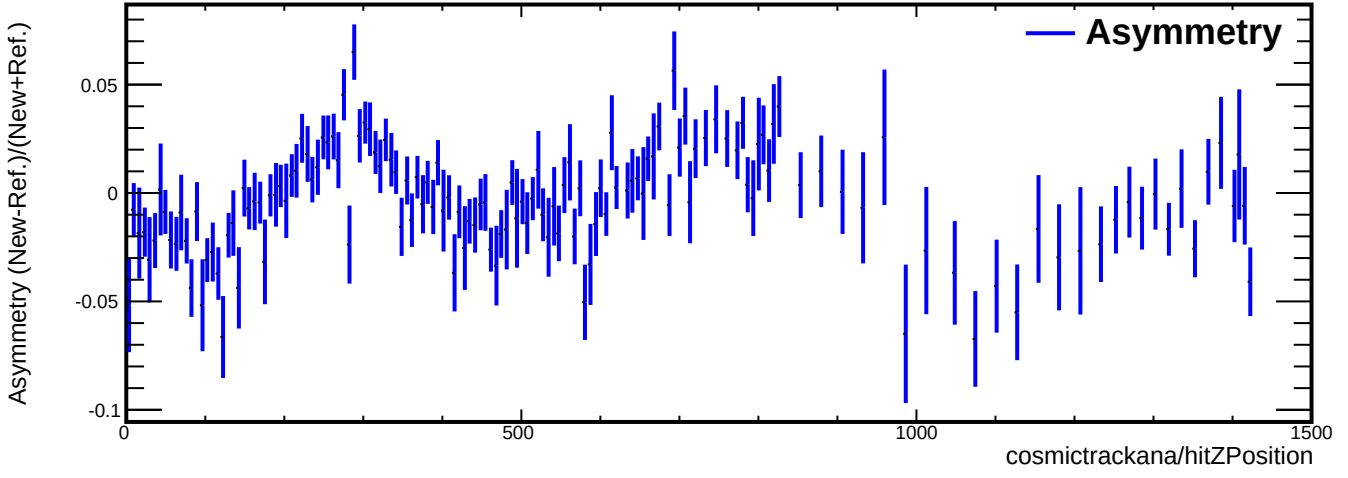

KS 9.02691e-08, chi2 9.31788e-68
2012-12-22
2012-12-23
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

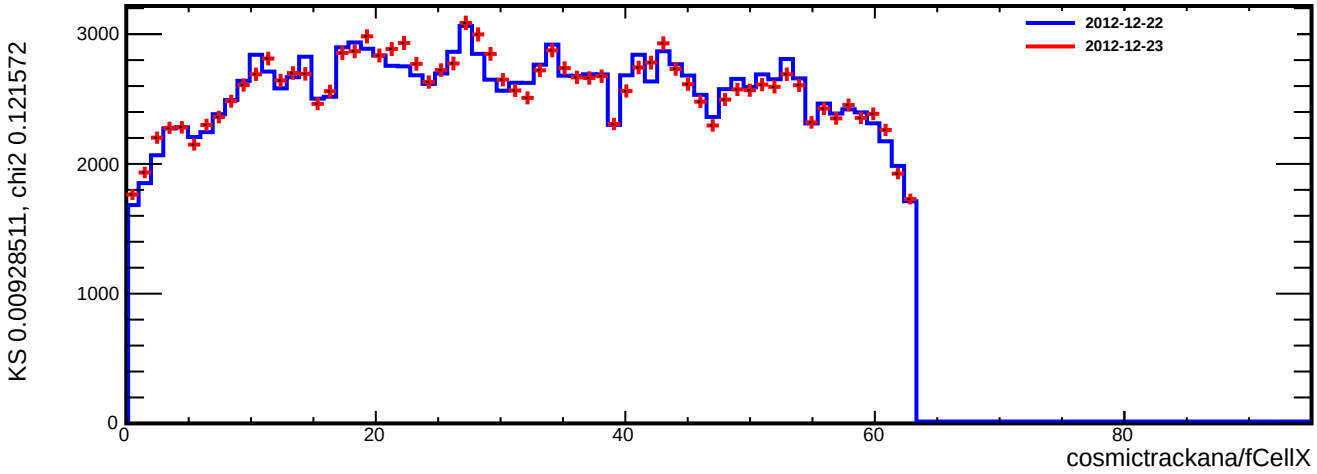

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

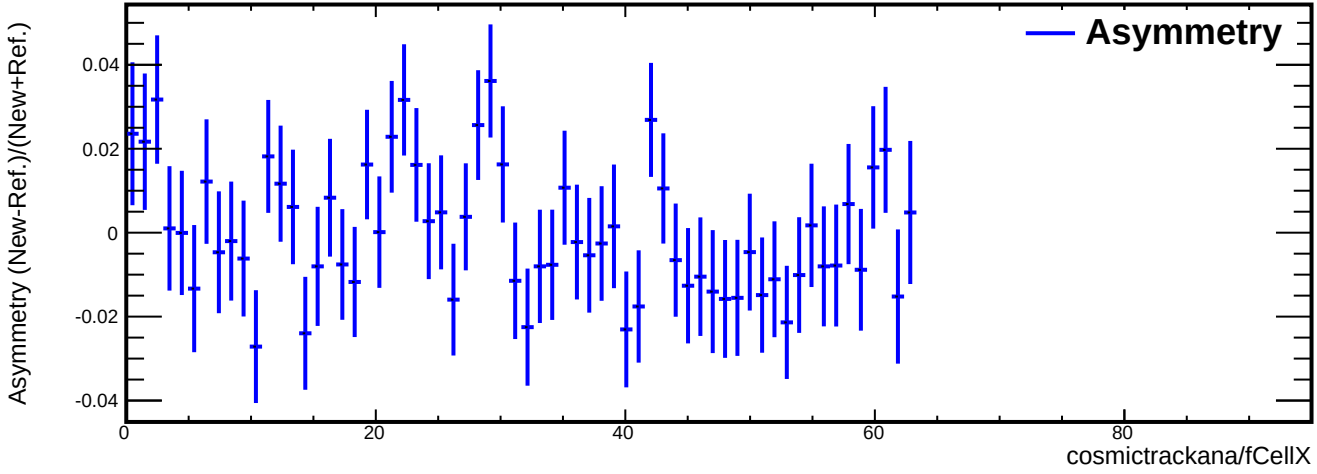

KS 0.21976, chi2 4.23647e-18
10000
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition
2012-12-22
2012-12-23

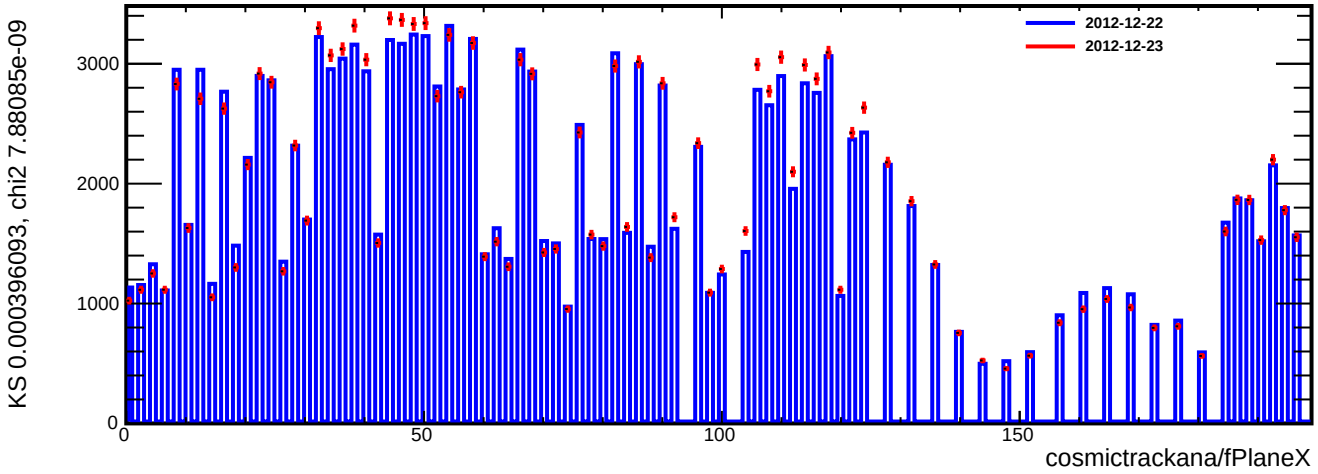

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition
Asymmetry

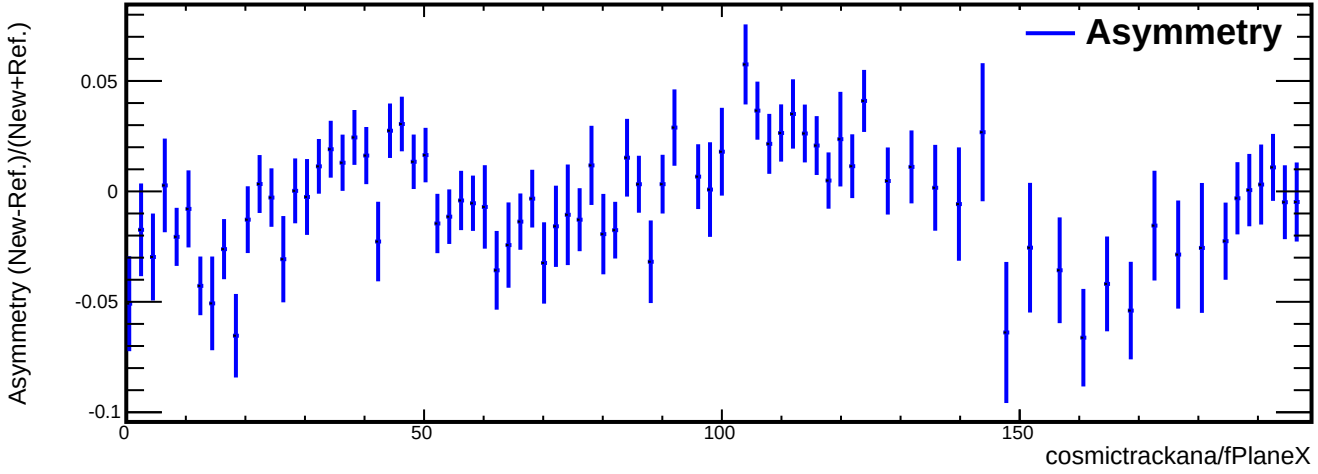

KS 2.43008e-10, chi2 1.41517e-21
2012-12-22
2012-12-23
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

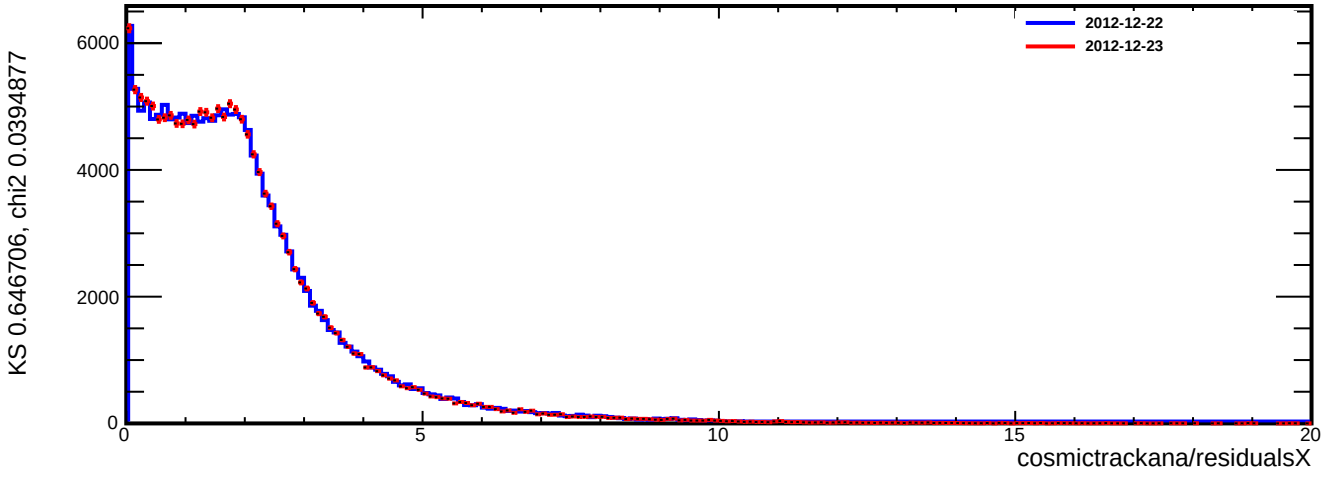

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-0.1
-0.05
0
0.05
0
500
1000
1500
cosmictrackana/hitZPosition

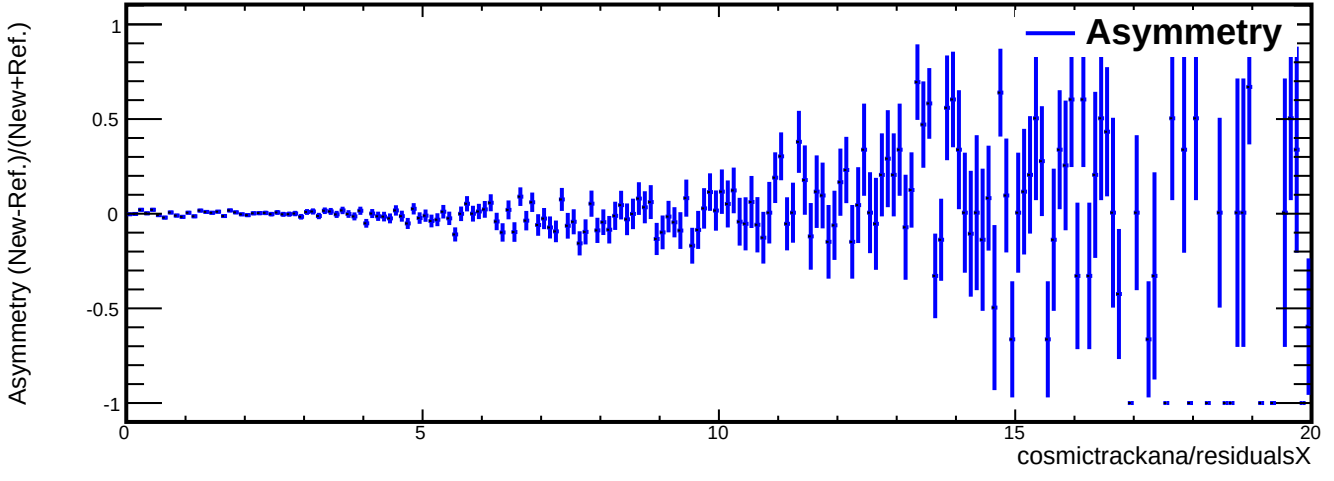

KS 0.00928511, chi2 0.121572
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellX
2012-12-22
2012-12-23

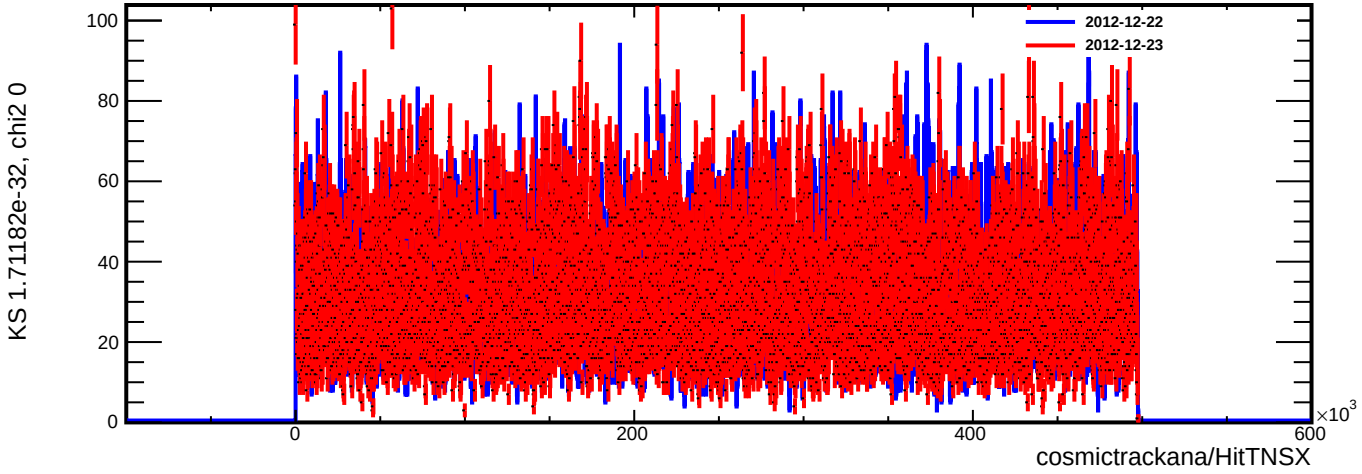

Asymmetry (New-Ref.)/(New+Ref.)
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellX
Asymmetry

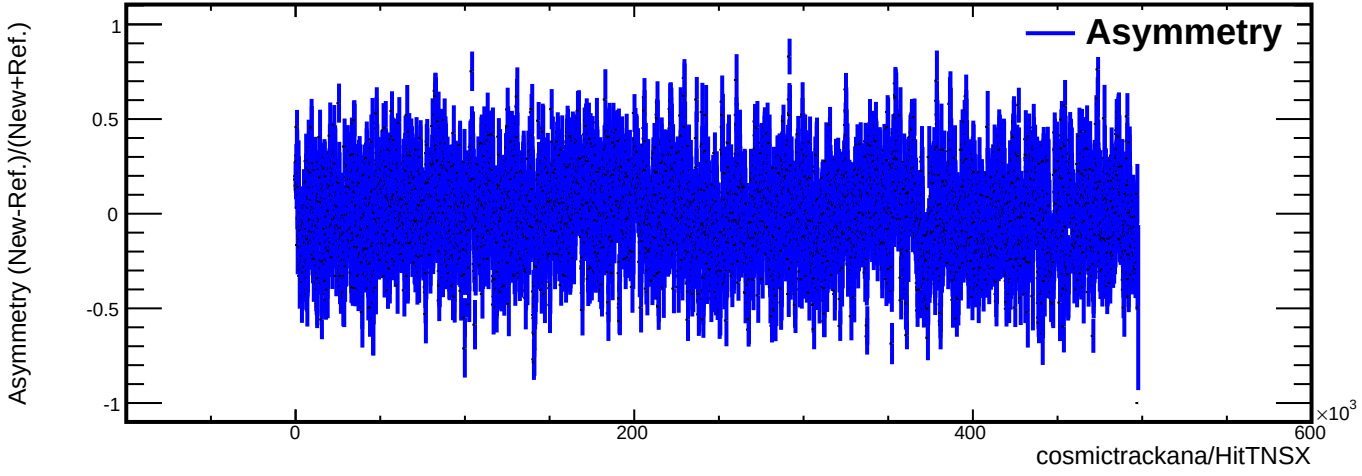

KS 0.000396093, chi2 7.88085e-09
2012-12-22
2012-12-23
3000
2000
1000
0
0
50
100
150
cosmictrackana/fPlaneX

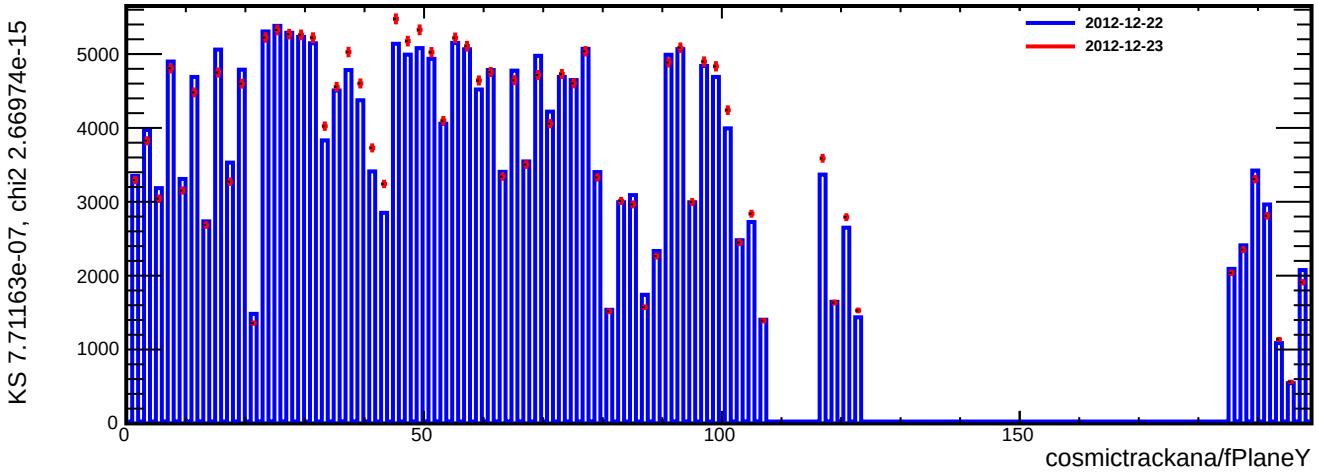

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
0
50
100
150
cosmictrackana/fPlaneX

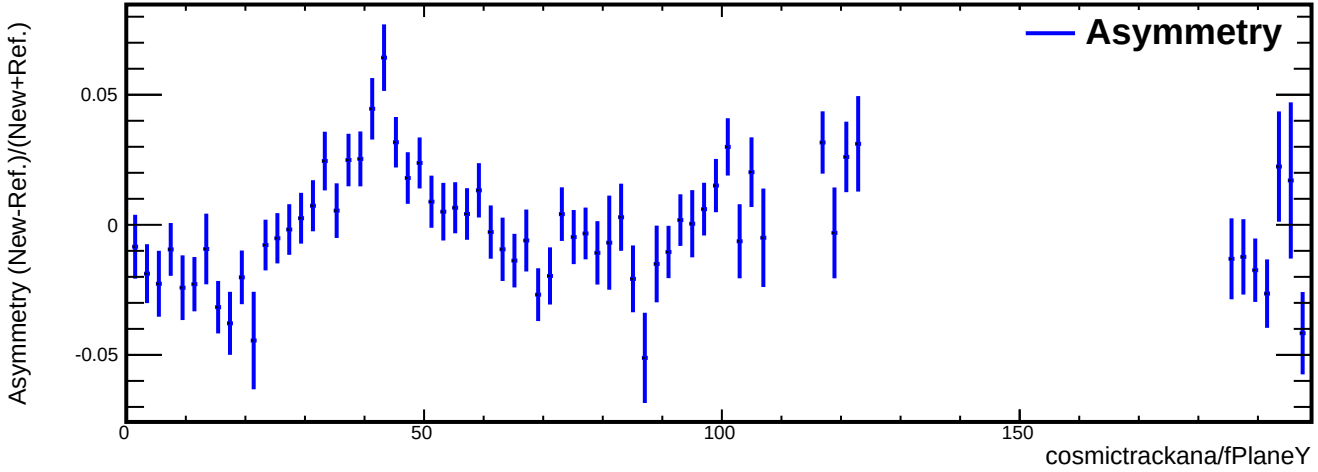

KS 0.646706, chi2 0.0394877
2012-12-22
2012-12-23
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX

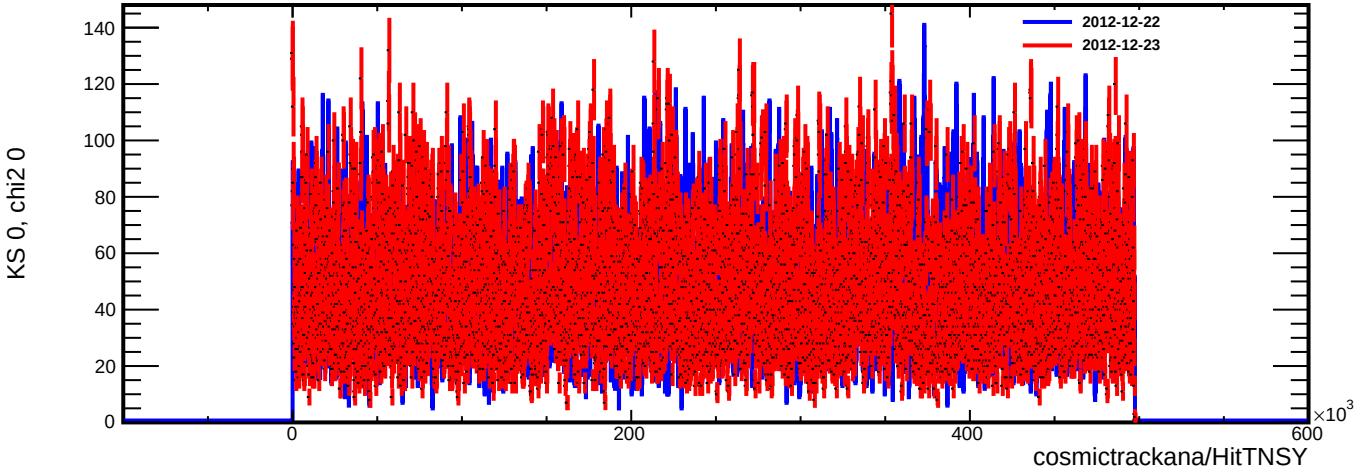

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX

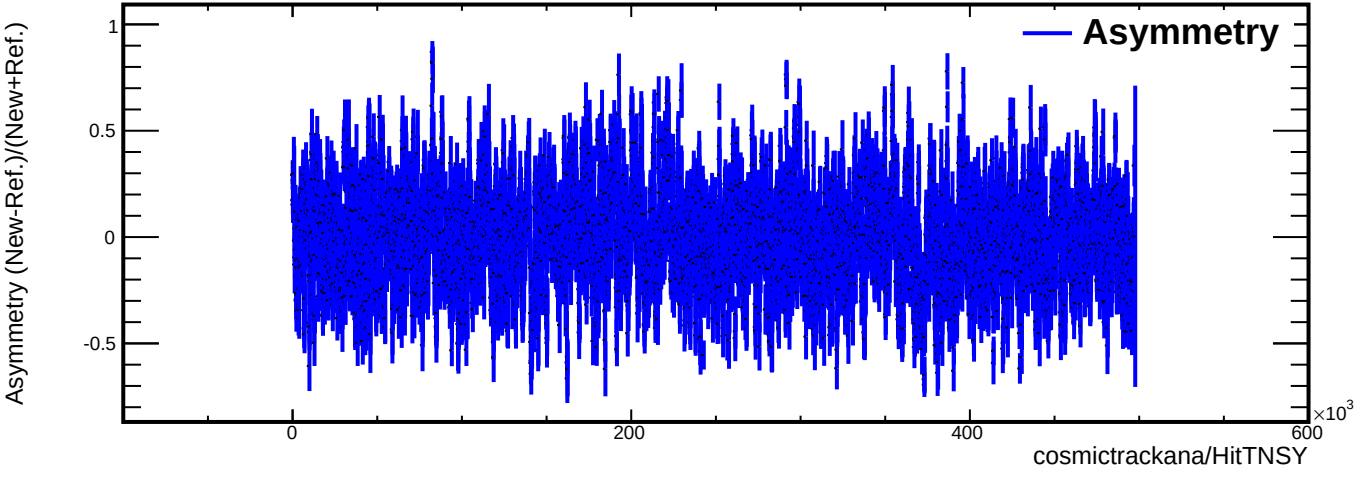

KS 1.71182e-32, chi2 0
2012-12-22
2012-12-23
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX


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


KS 7.71163e-07, chi2 2.66974e-15
2012-12-22
2012-12-23
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


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


2012-12-22
2012-12-23
KS 0, chi2 0
140
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
0
200
400
600
×10^3
cosmictrackana/HitTNSY