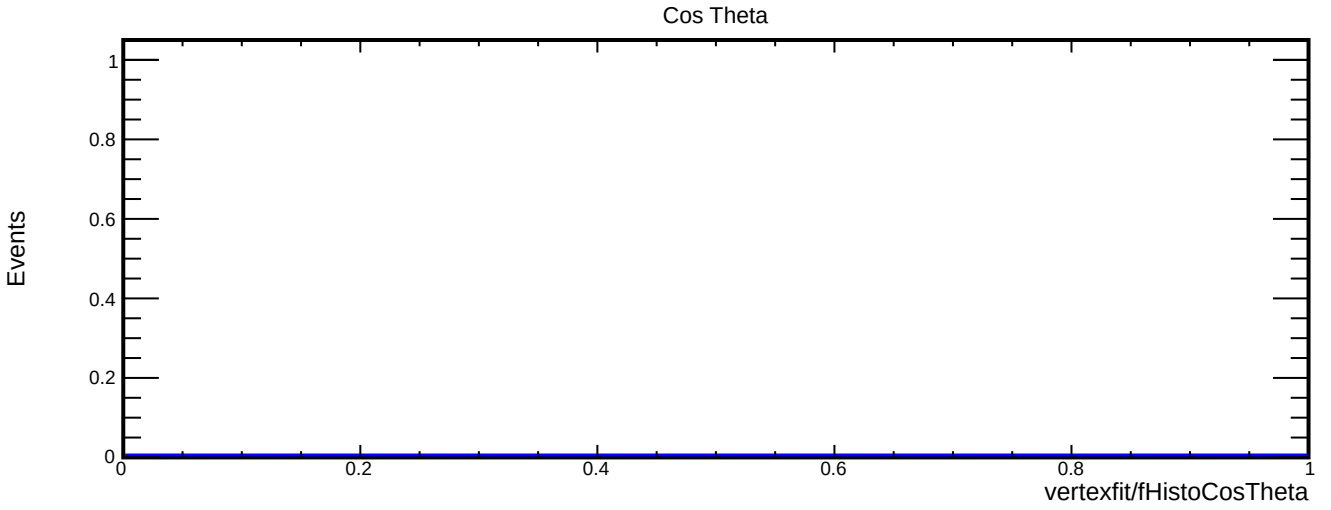
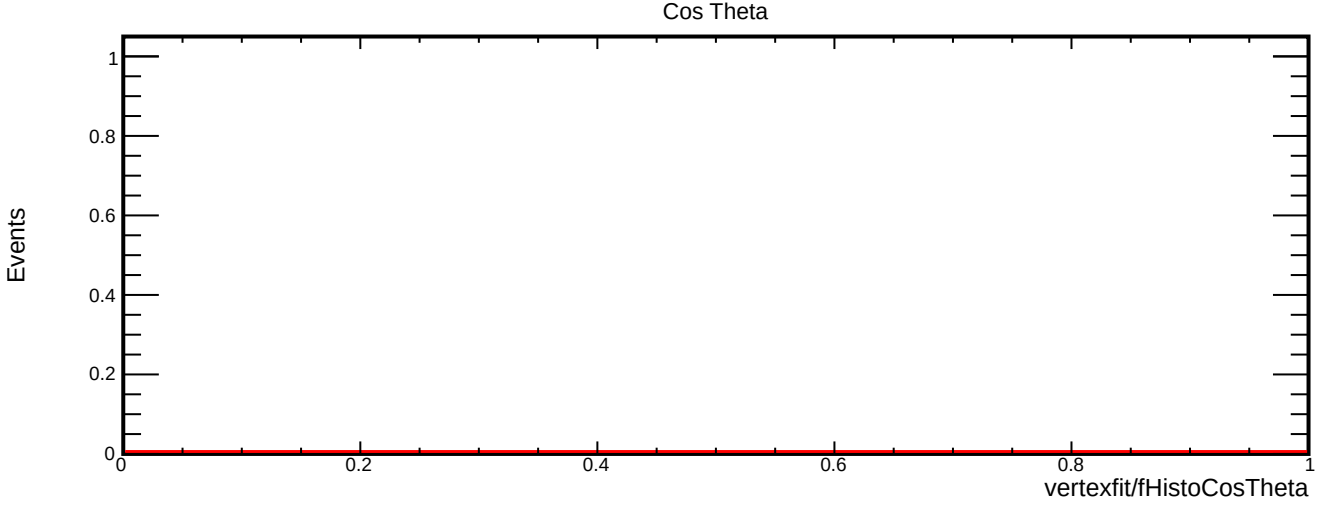
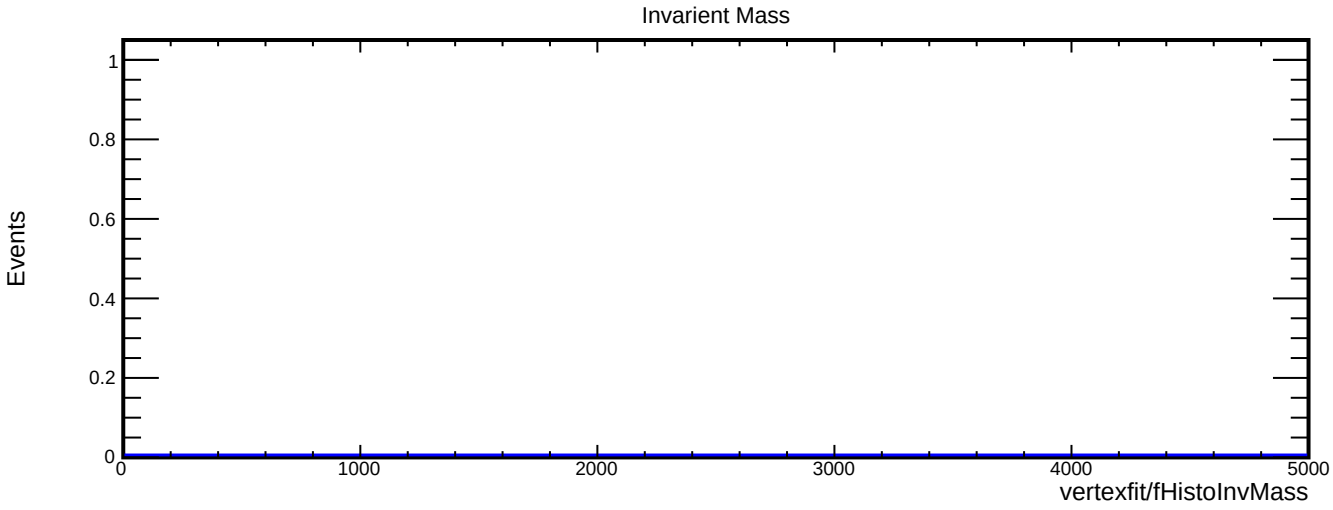
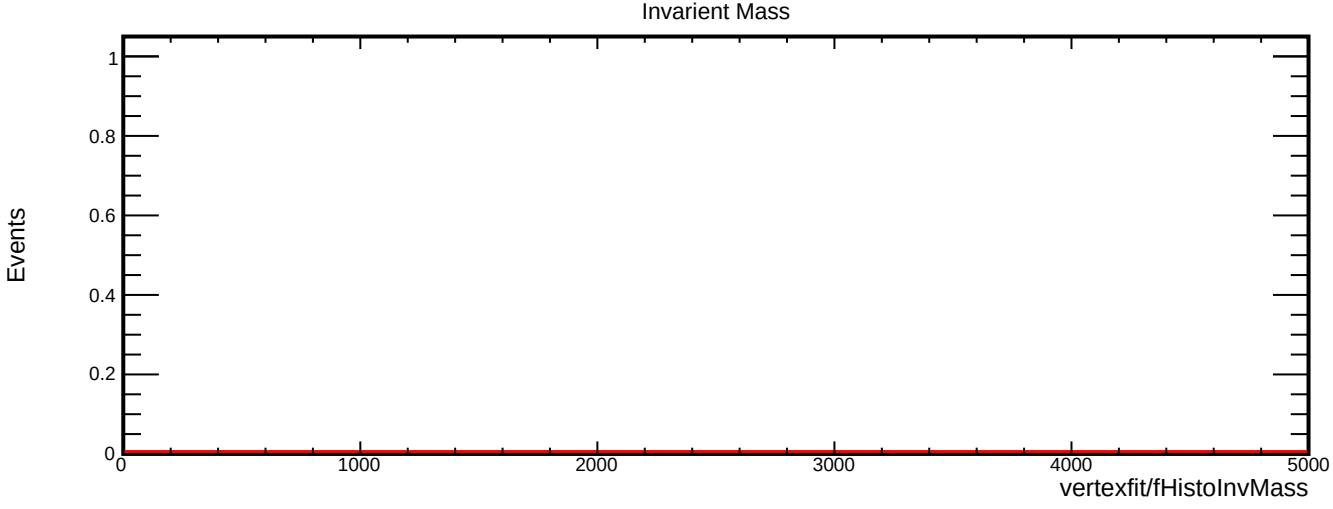
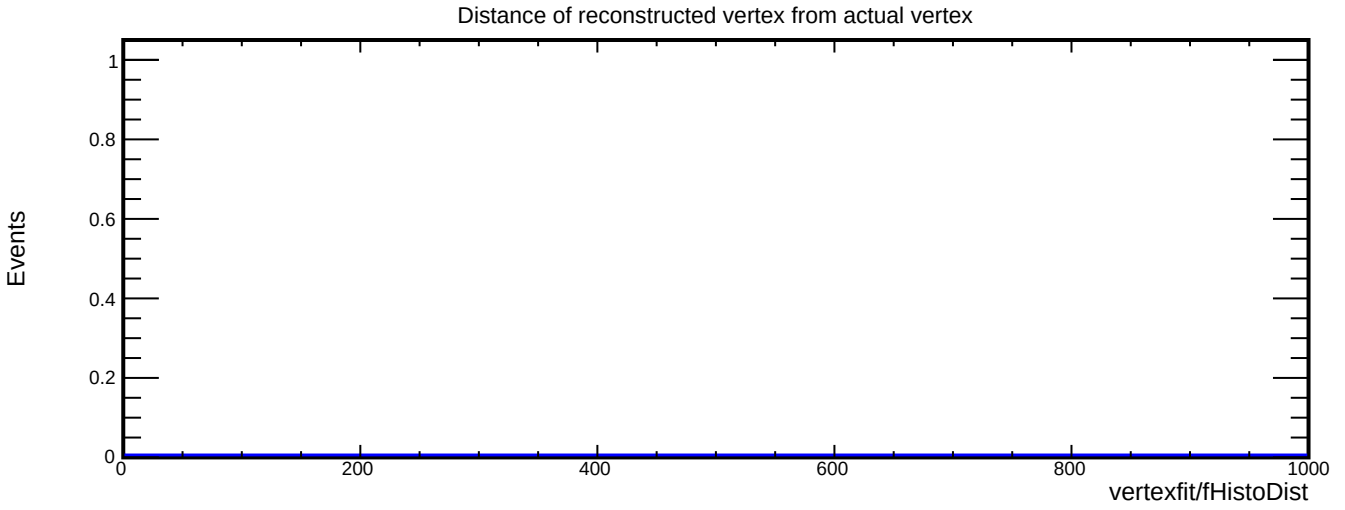
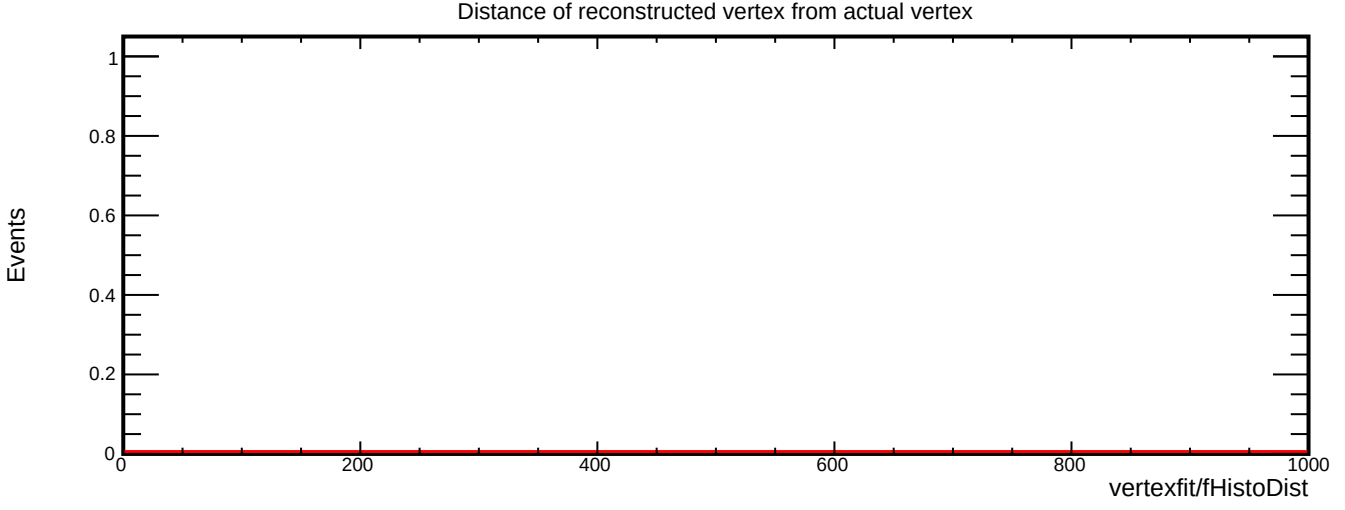

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

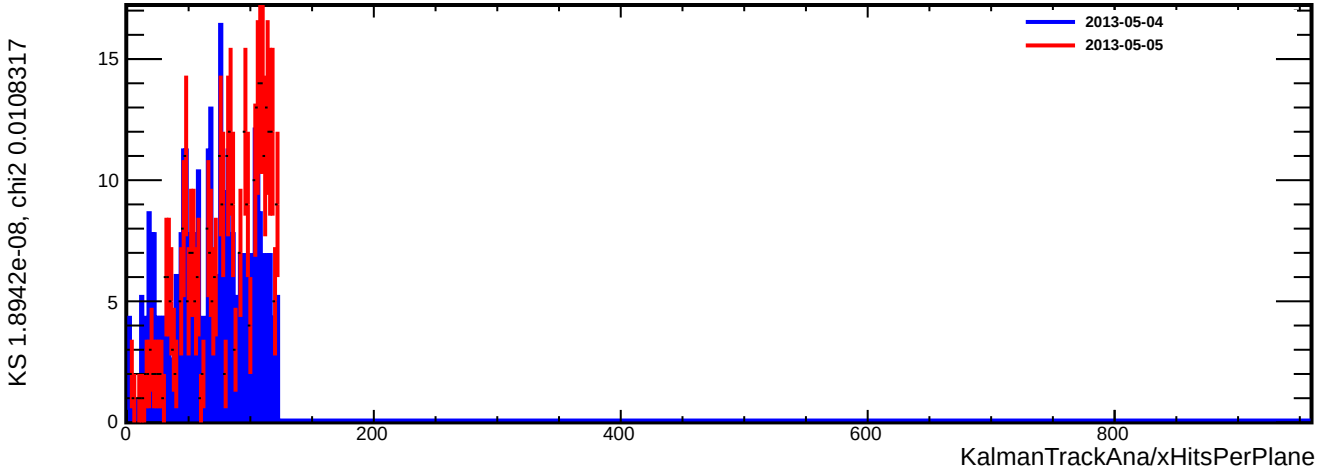

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

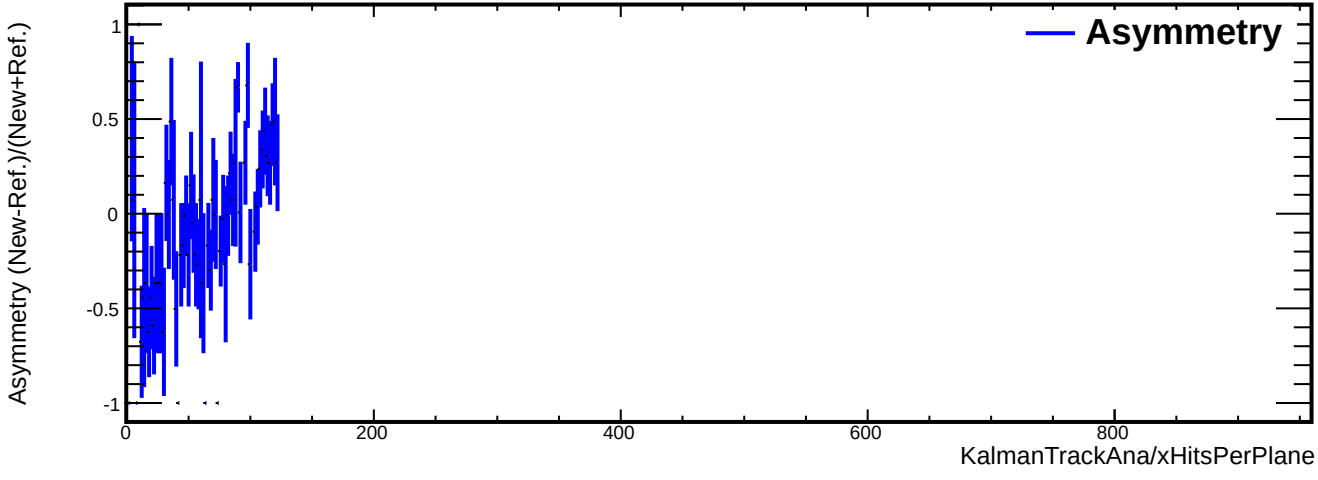

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

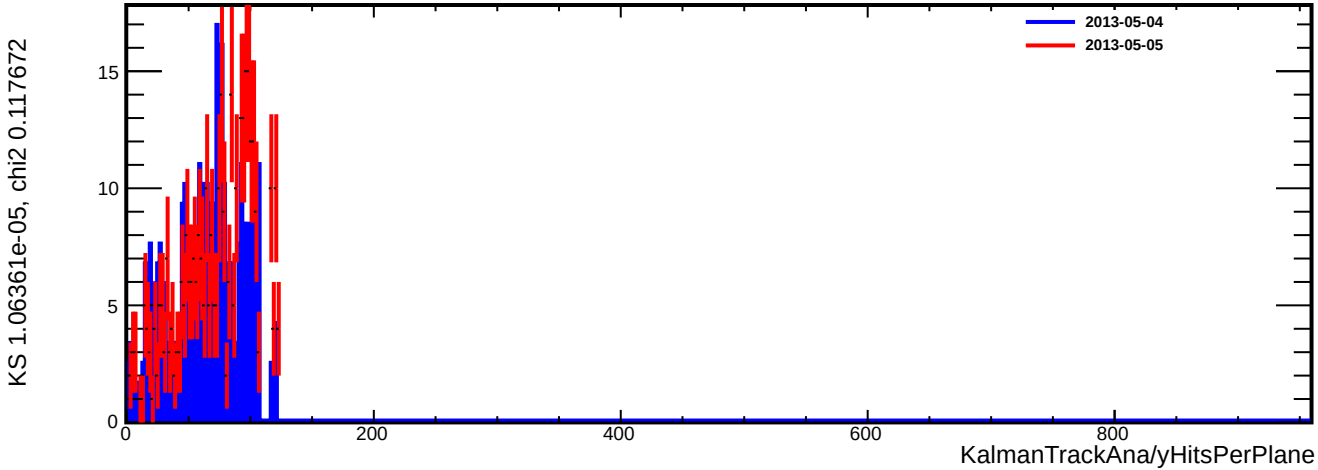

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

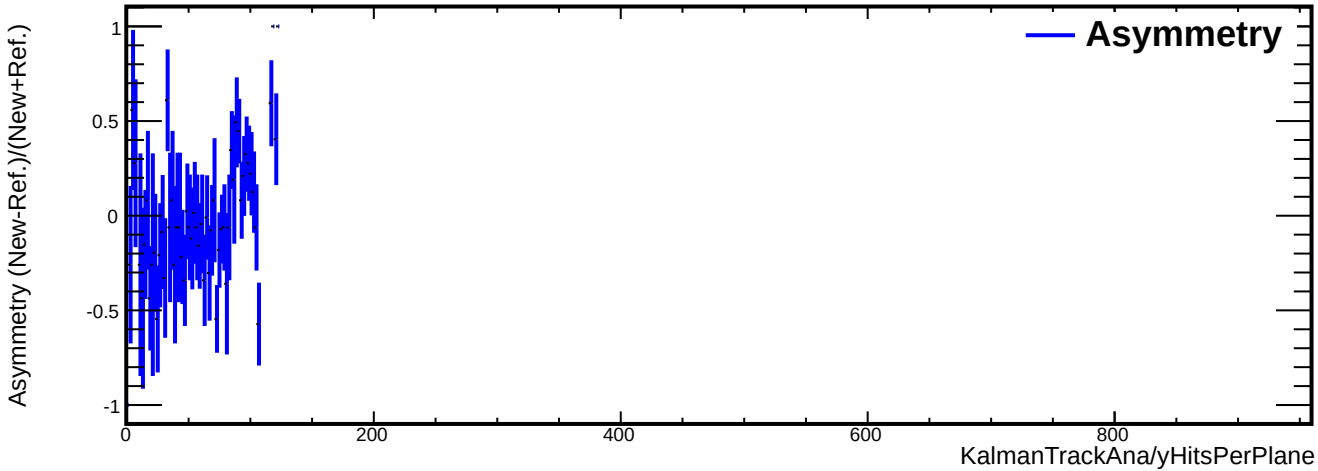

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

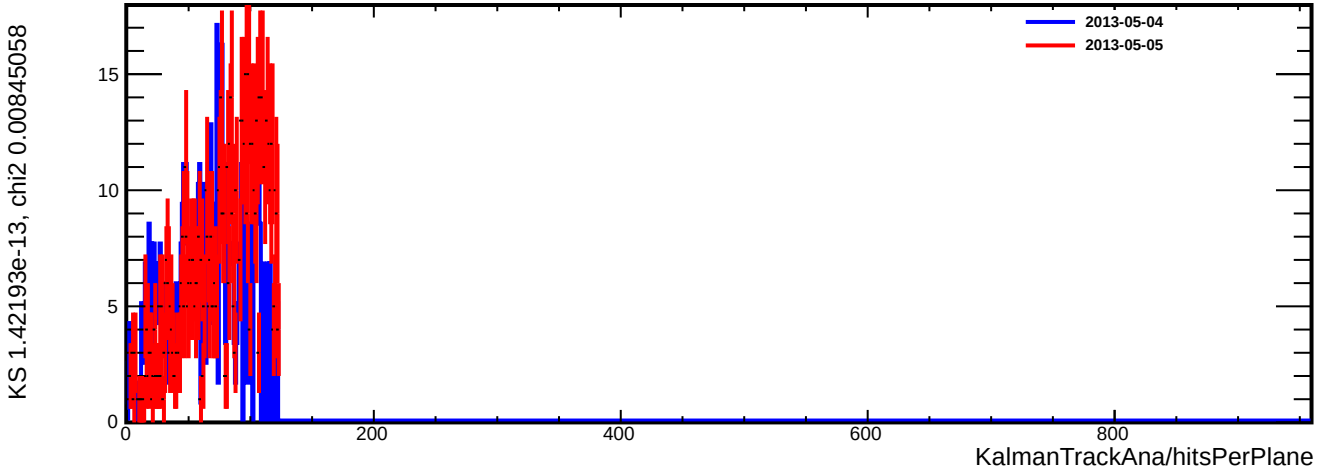

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

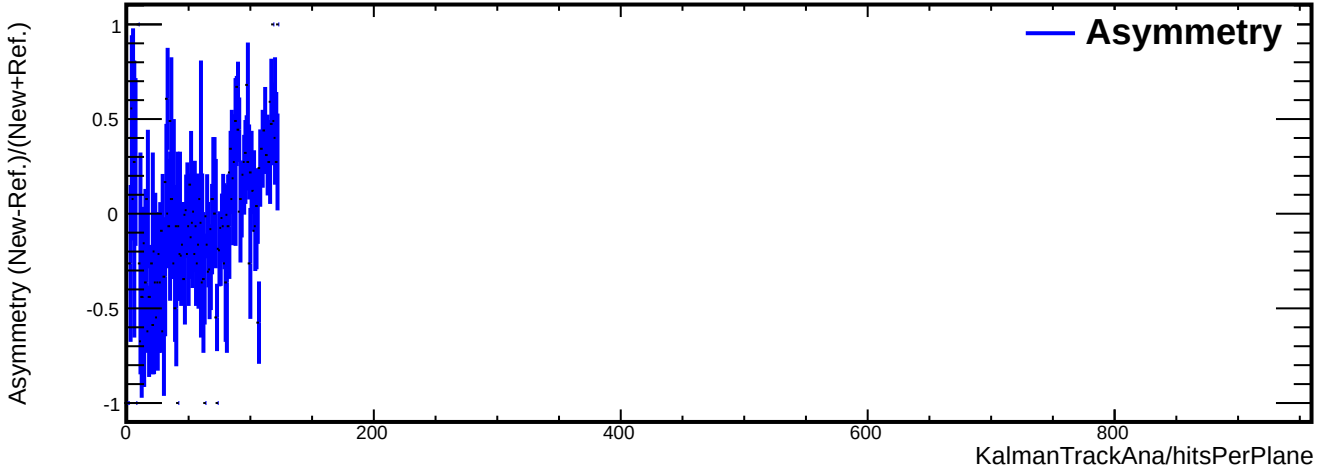

KS 1.8942e-08, chi2 0.0108317
2013-05-04
2013-05-05
0
5
10
15
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

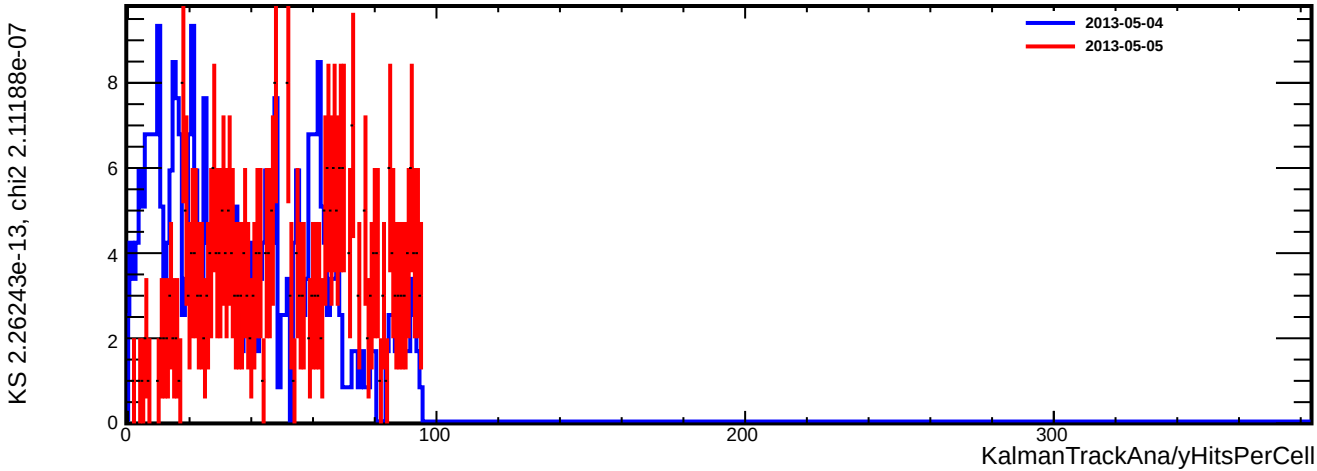

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

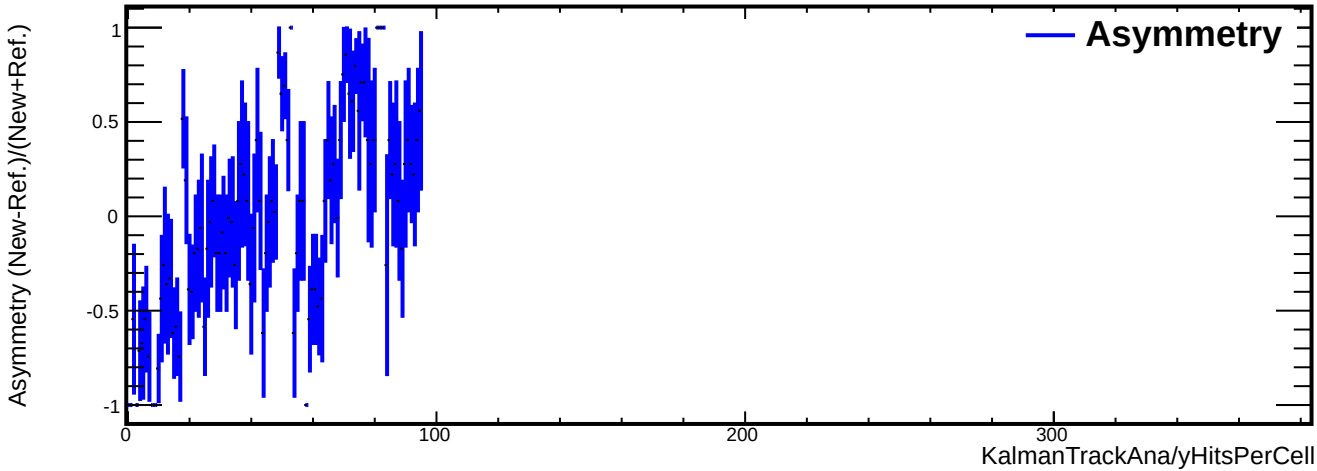

KS 1.06361e-05, chi2 0.117672
2013-05-04
2013-05-05
0
5
10
15
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

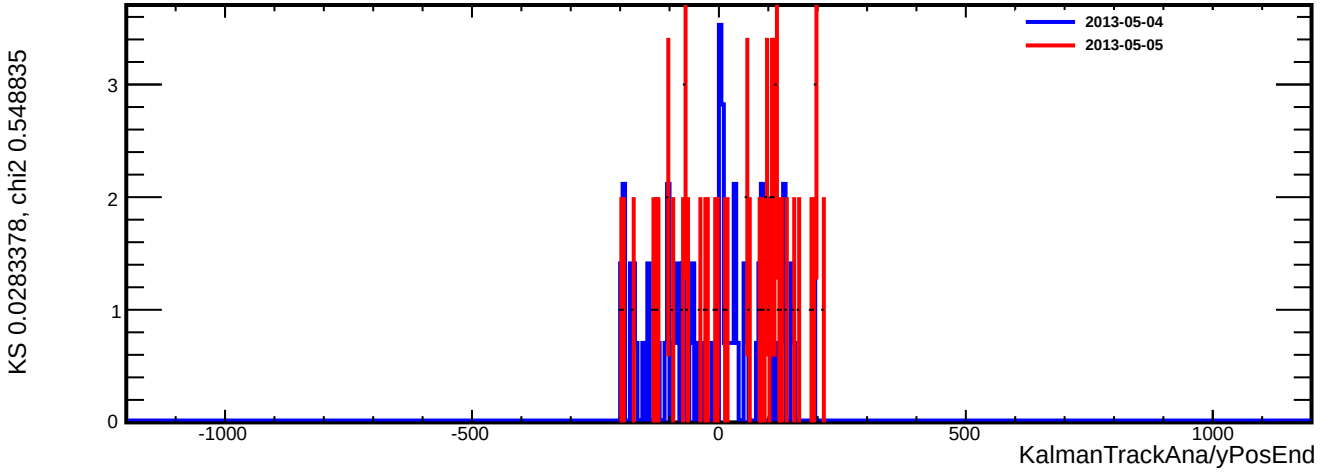

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

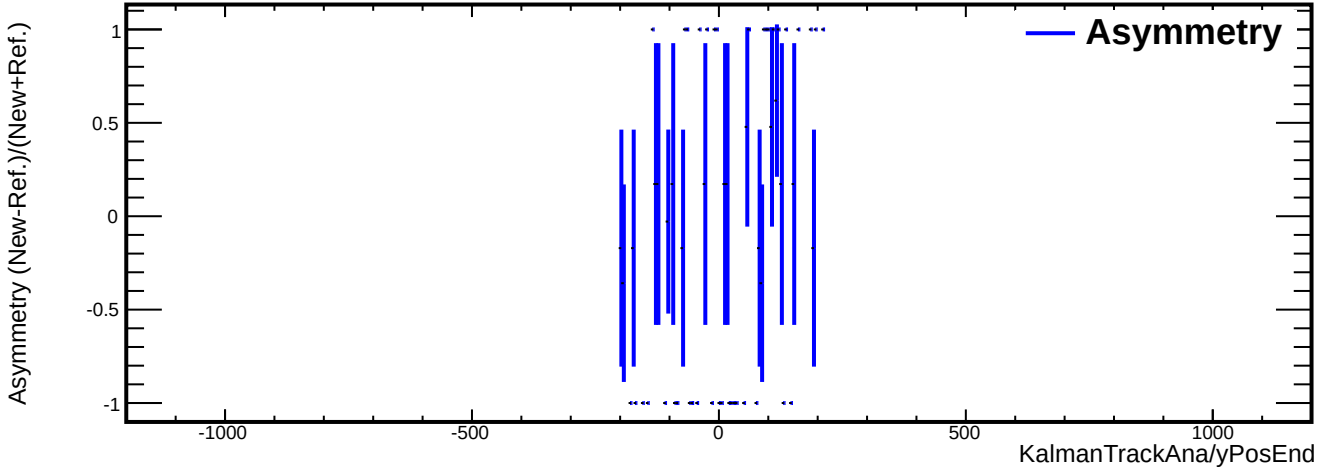

KS 1.42193e-13, chi2 0.00845058
2013-05-04
2013-05-05
0
5
10
15
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

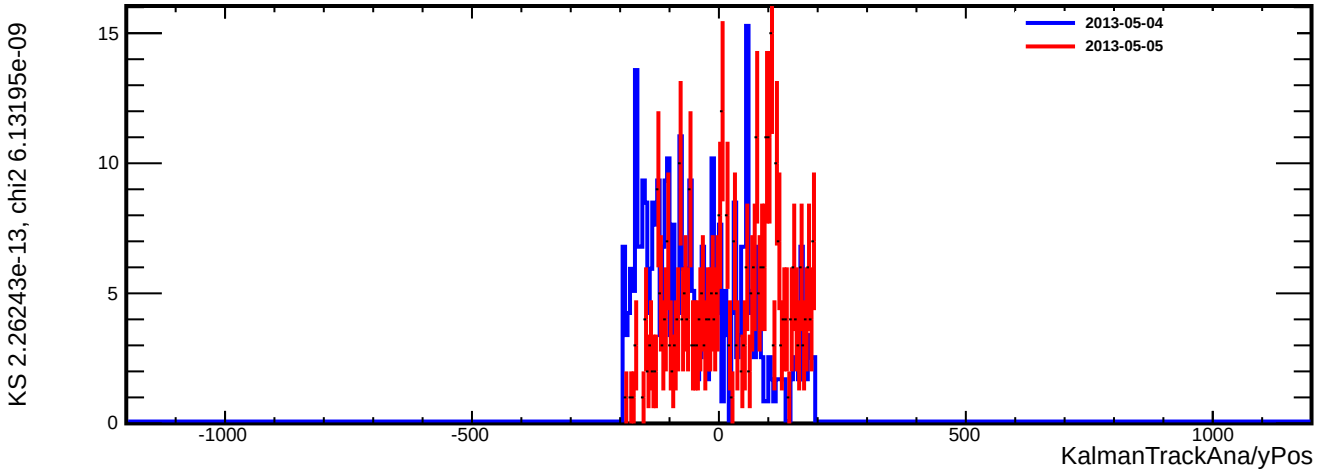

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

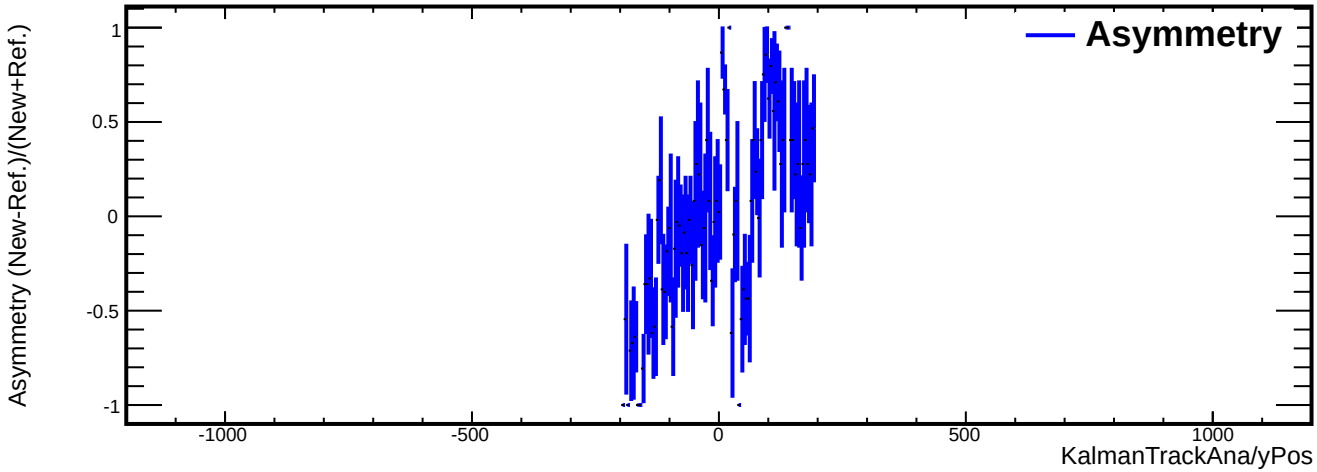

KS 2.26243e-13, chi2 2.11188e-07
2013-05-04
2013-05-05
0
2
4
6
8
0
100
200
300
KalmanTrackAna/yHitsPerCell

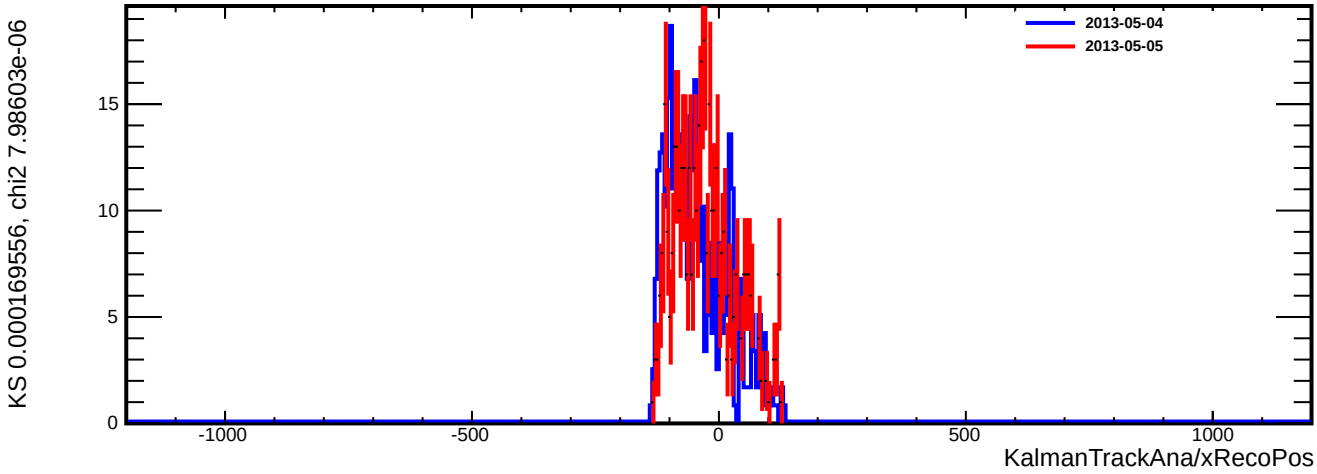

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

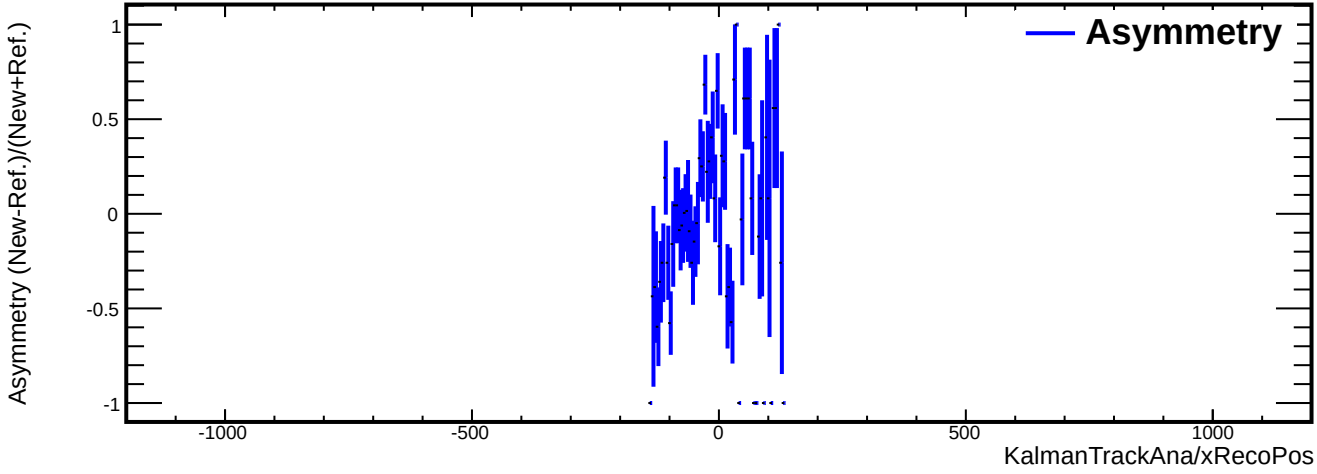

KS 0.0283378, chi2 0.548835
2013-05-04
2013-05-05
0
1
2
3
-1000
-500
0
500
1000
KalmanTrackAna/yPosEnd

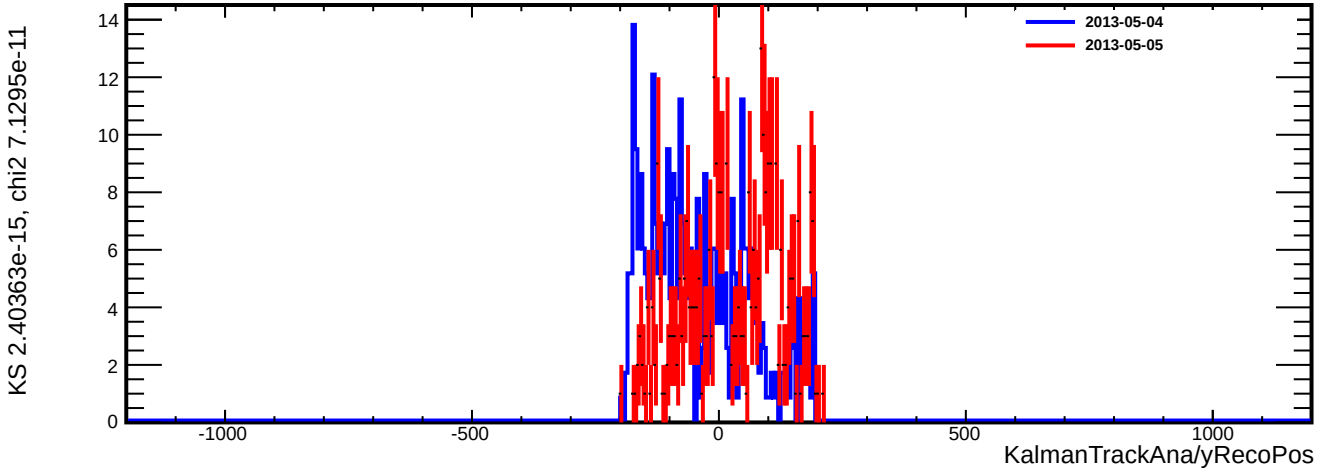

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPosEnd

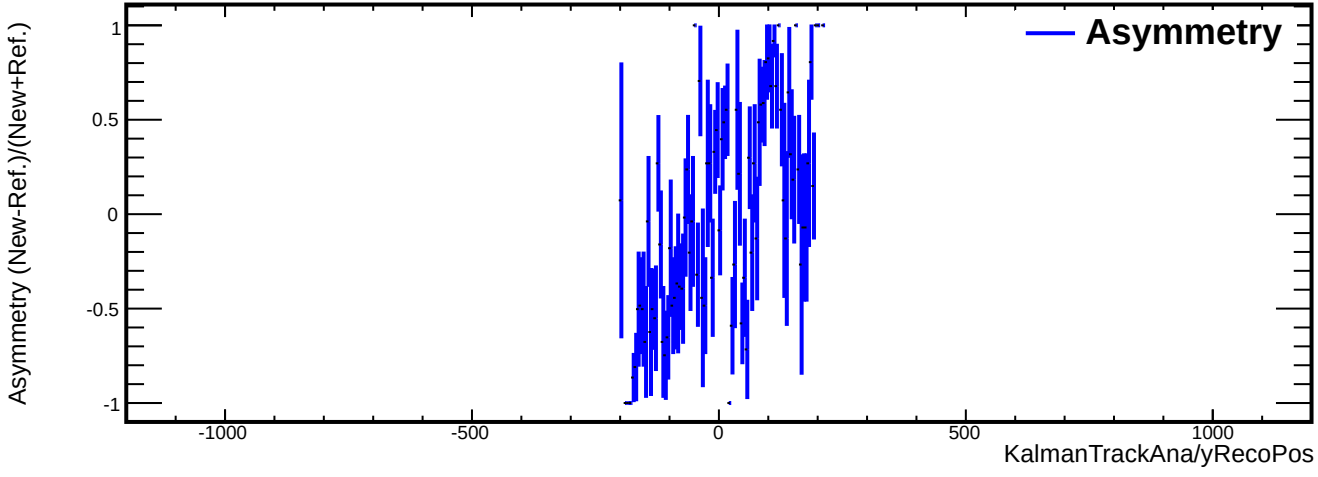

KS 2.26243e-13, chi2 6.13195e-09
2013-05-04
2013-05-05
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos

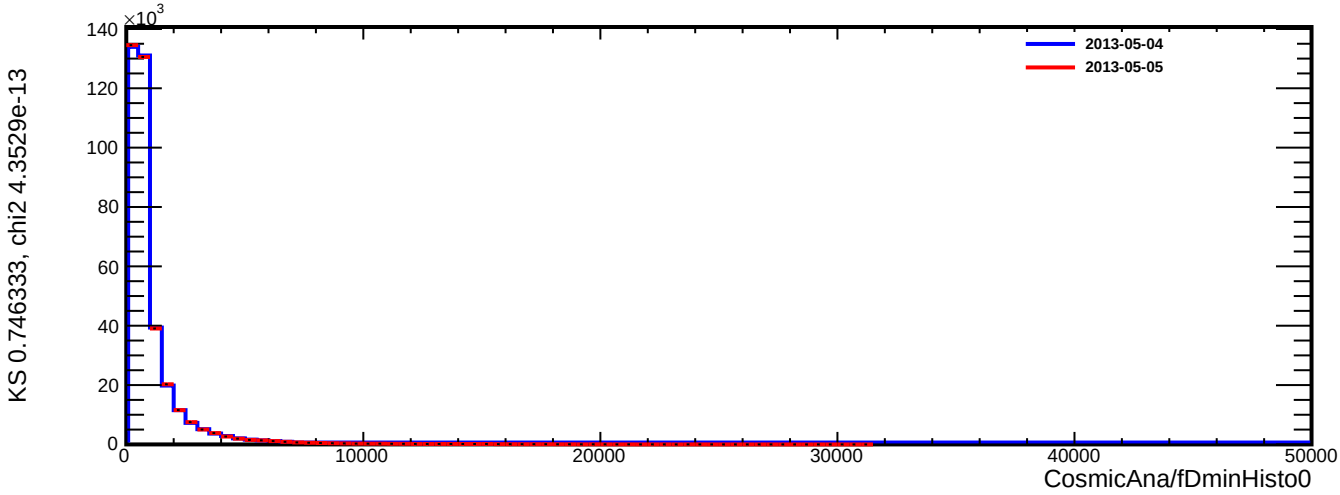

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

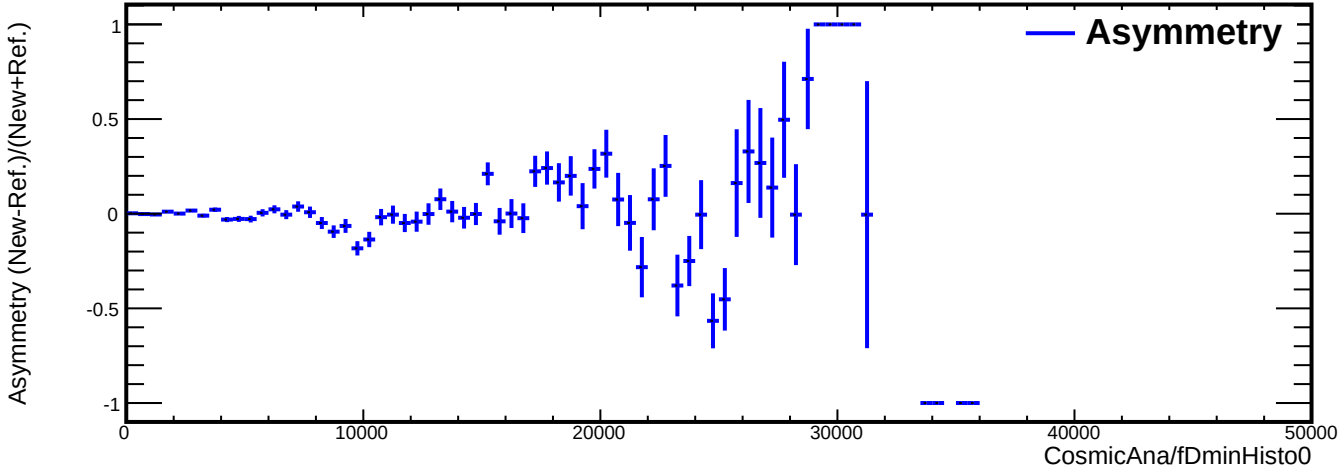

KS 0.000169556, chi2 7.98603e-06
2013-05-04
2013-05-05
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

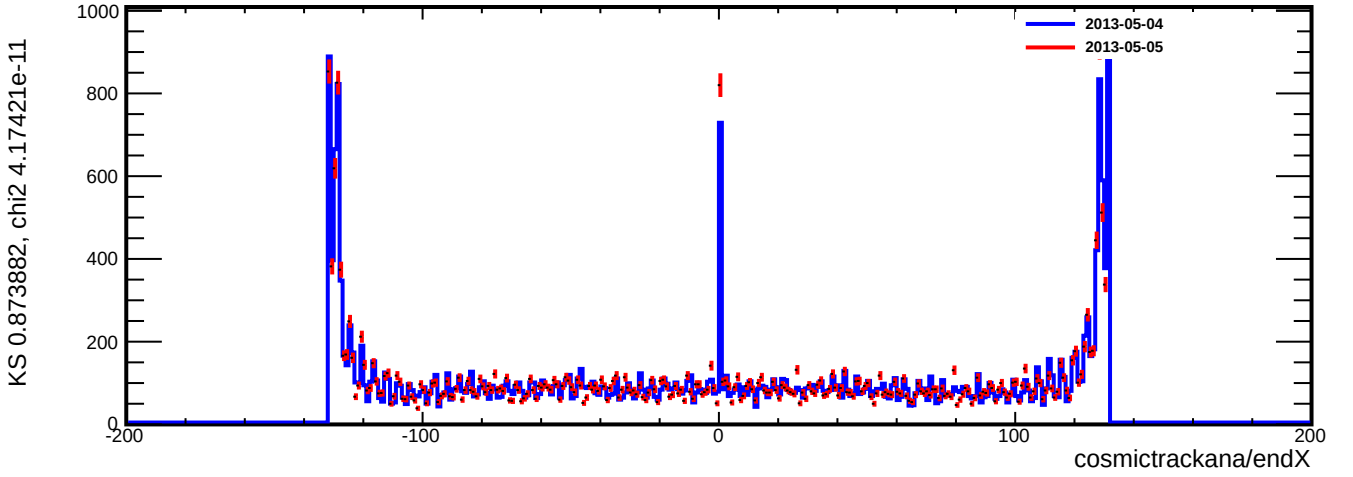

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

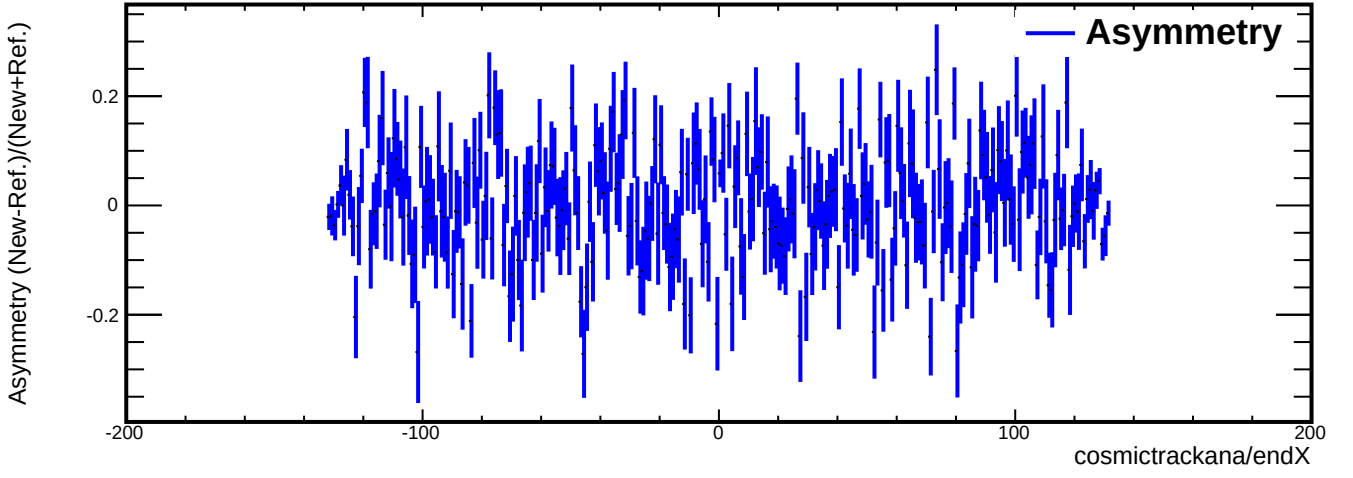

KS 2.40363e-15, chi2 7.1295e-11
2013-05-04
2013-05-05
KalmanTrackAna/yRecoPos

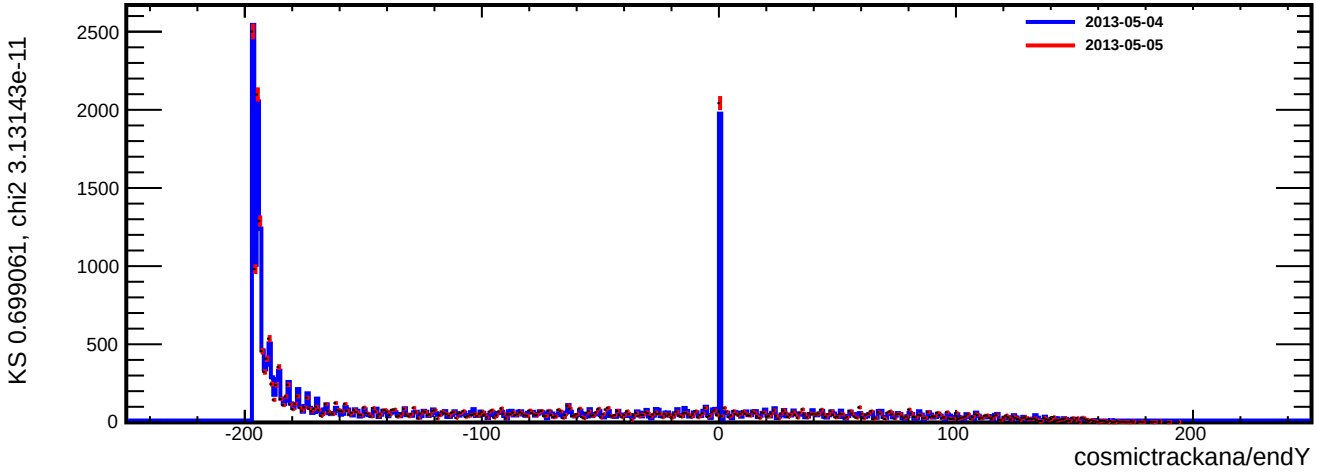

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yRecoPos

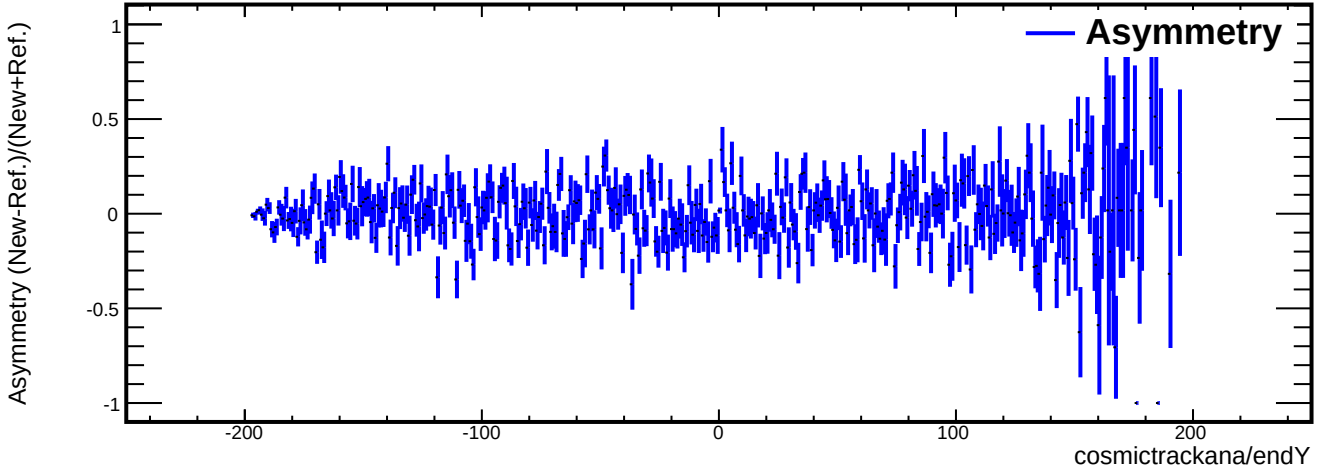

×10^3
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
2013-05-04
2013-05-05
KS 0.746333, chi2 4.3529e-13
CosmicAna/fDminHisto0

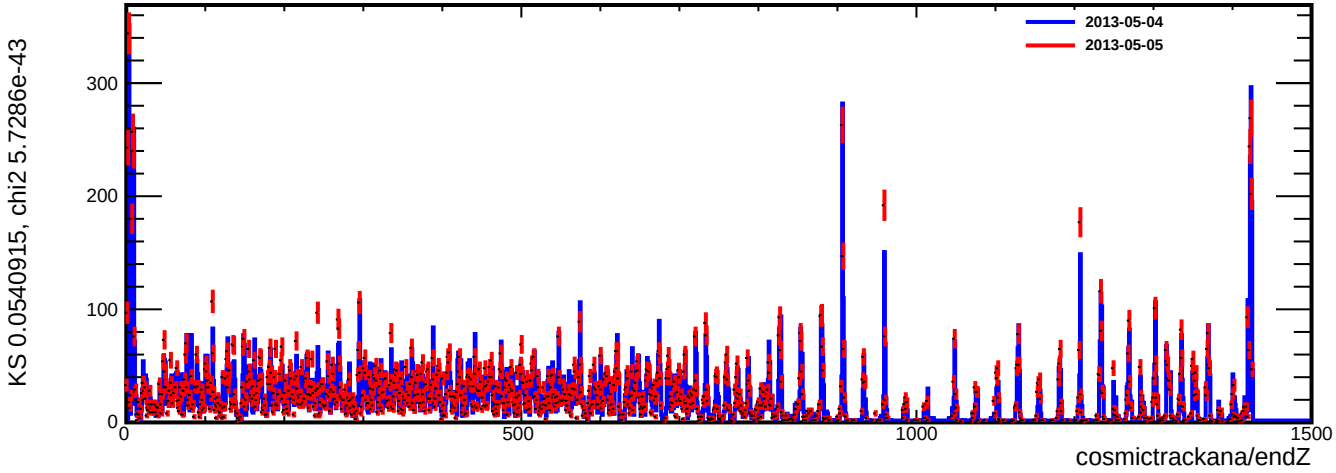

1
0.5
0
-0.5
-1
0
10000
20000
30000
40000
50000
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
CosmicAna/fDminHisto0

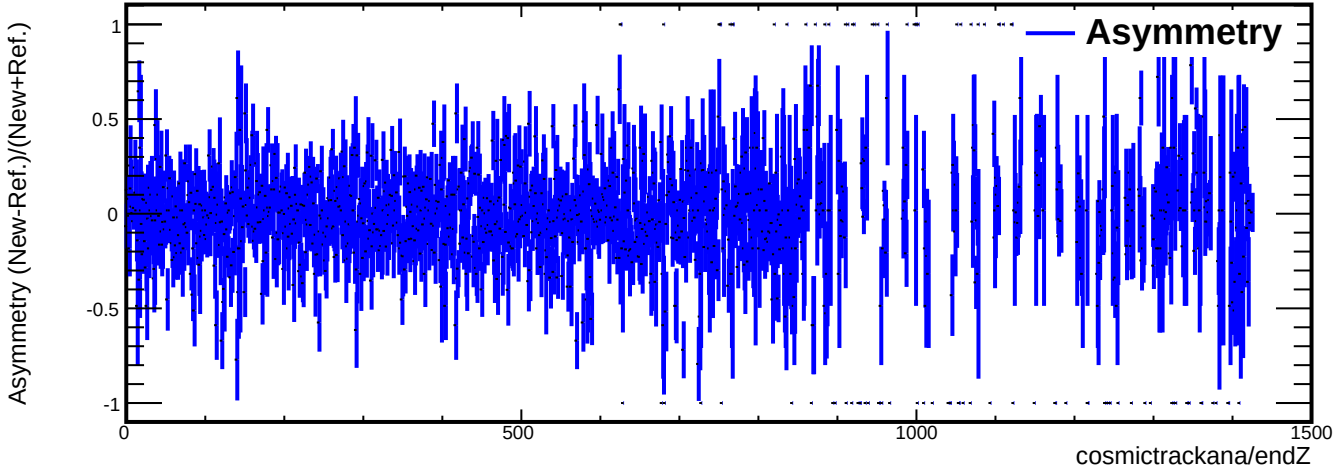

KS 0.873882, chi2 4.17421e-11
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX
2013-05-04
2013-05-05

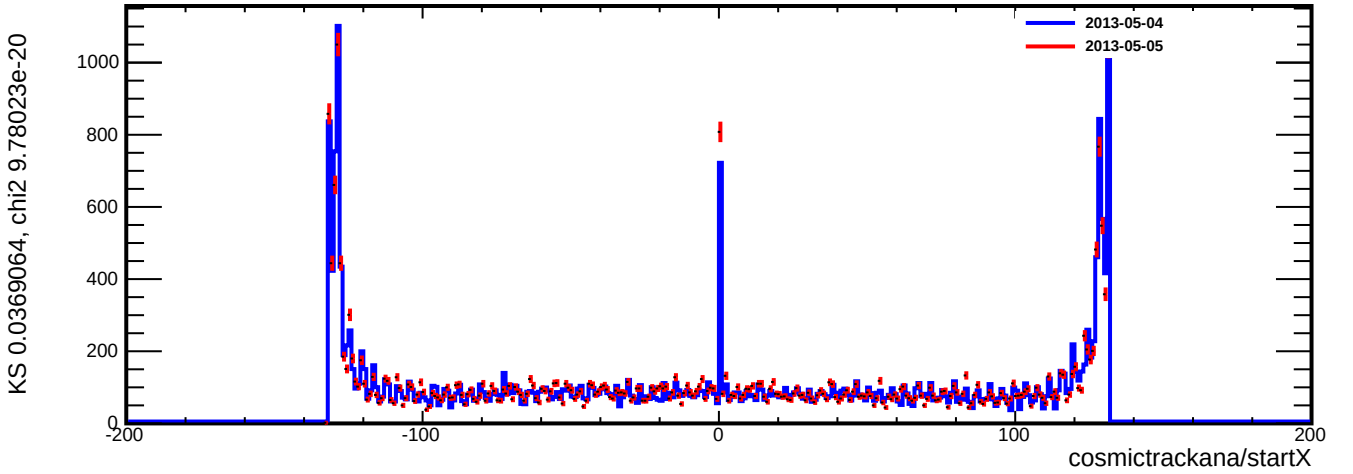

Asymmetry (New-Ref.)/(New+Ref.)
0.2
0
-0.2
-200
-100
0
100
200
cosmictrackana/endX
Asymmetry

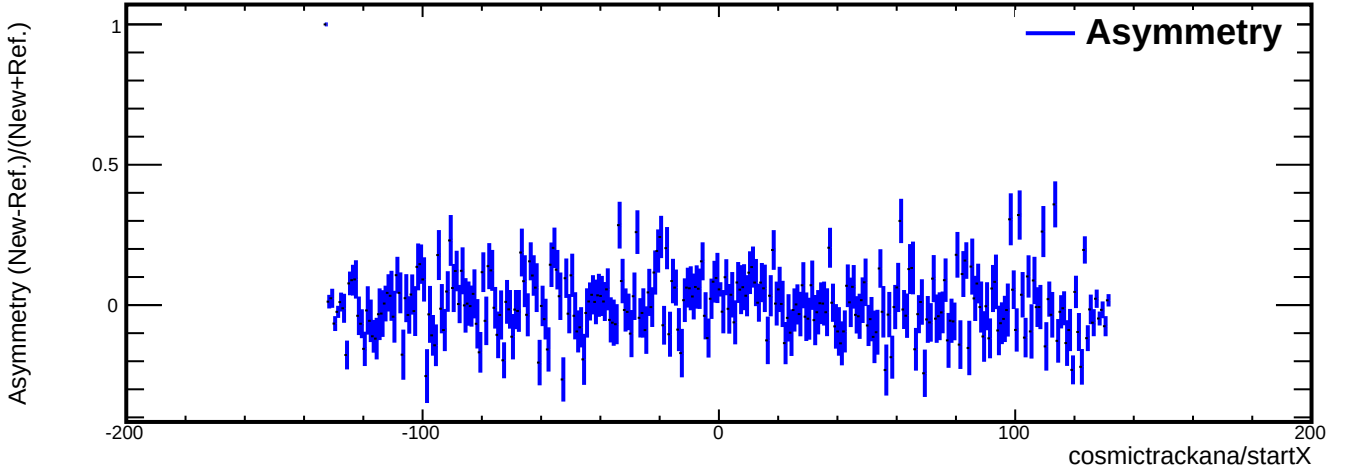

KS 0.699061, chi2 3.13143e-11
2013-05-04
2013-05-05
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

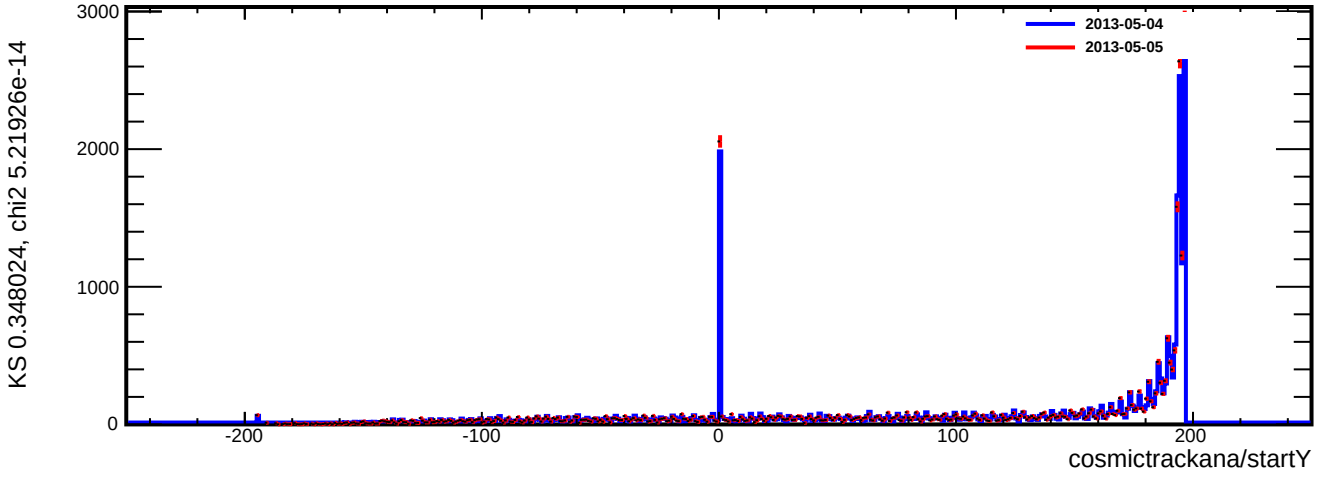

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

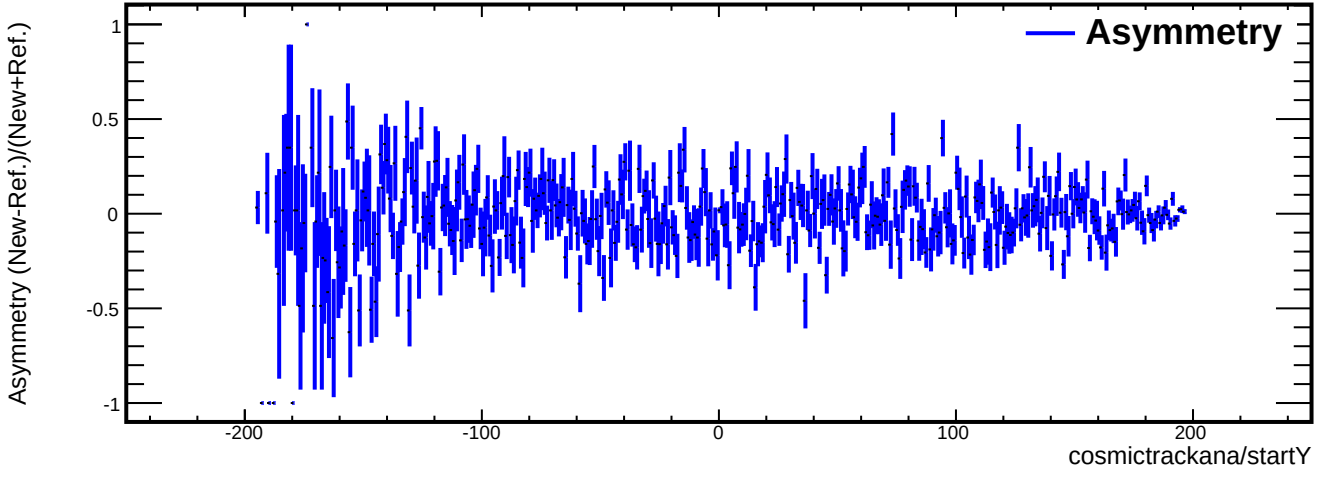

KS 0.0540915, chi2 5.7286e-43
2013-05-04
2013-05-05
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

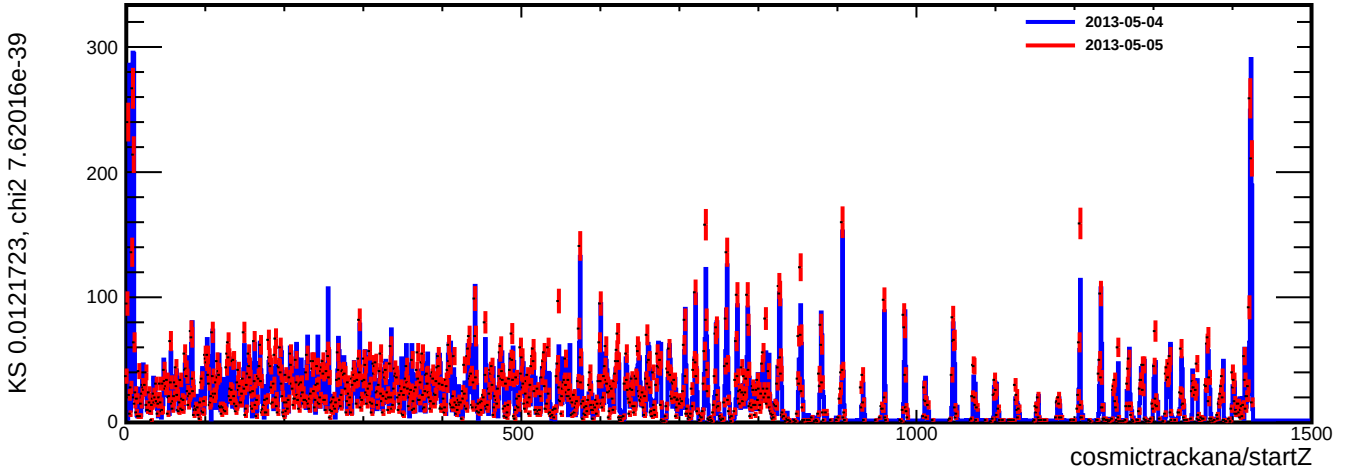

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

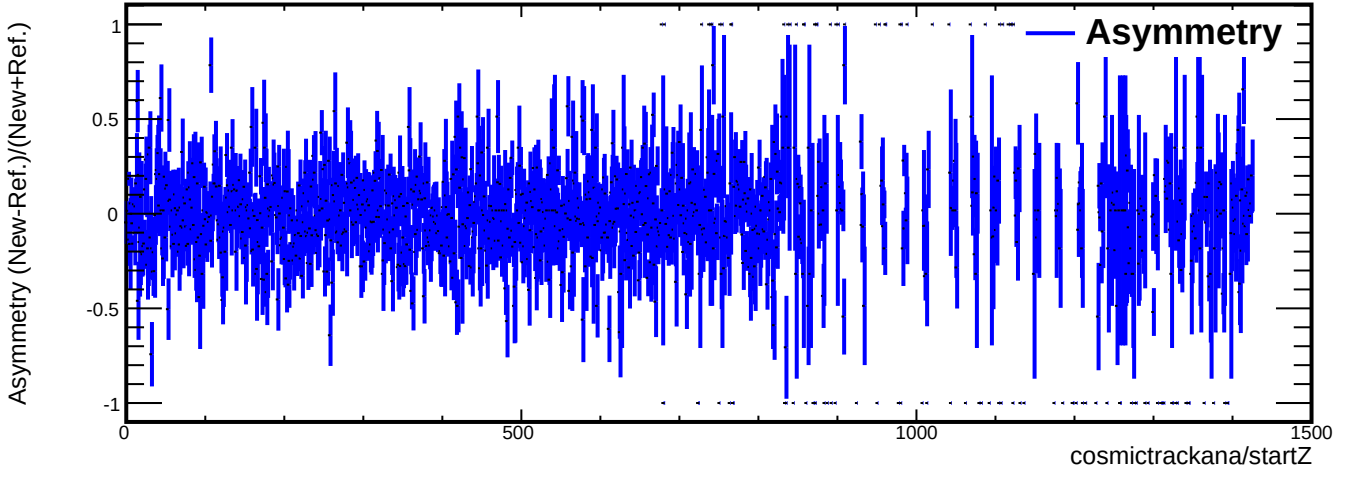

KS 0.0369064, chi2 9.78023e-20
2013-05-04
2013-05-05
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

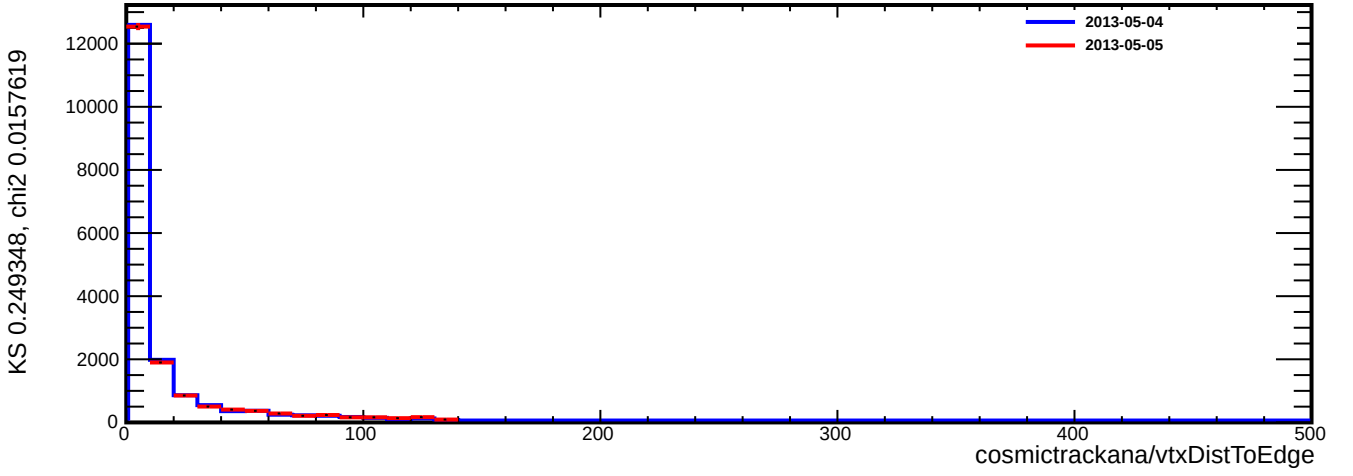

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-200
-100
0
100
200
cosmictrackana/startX

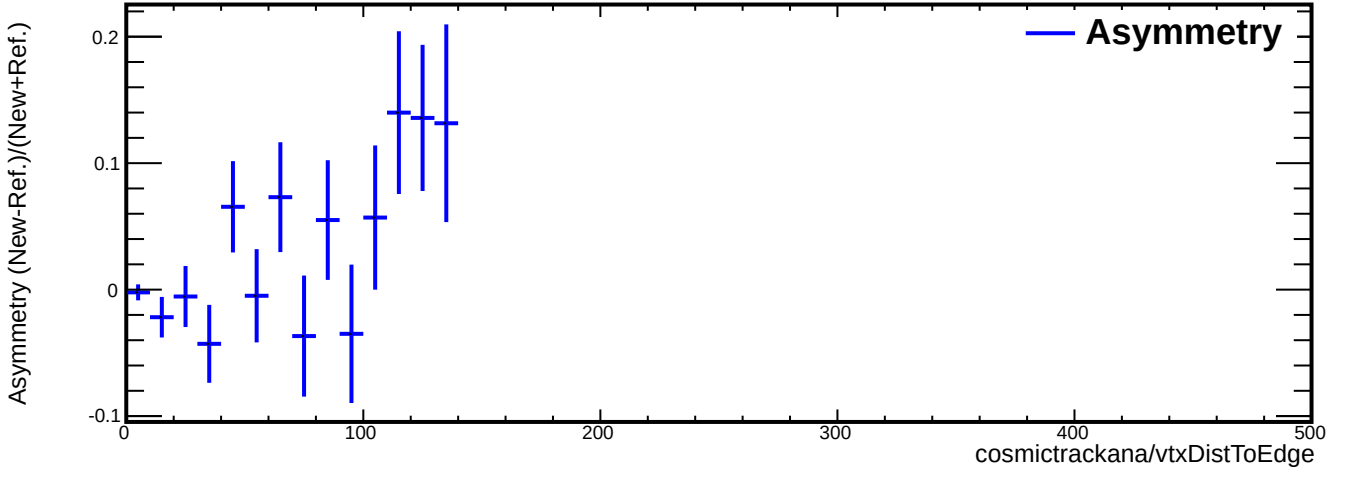

KS 0.348024, chi2 5.21926e-14
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2013-05-04
2013-05-05

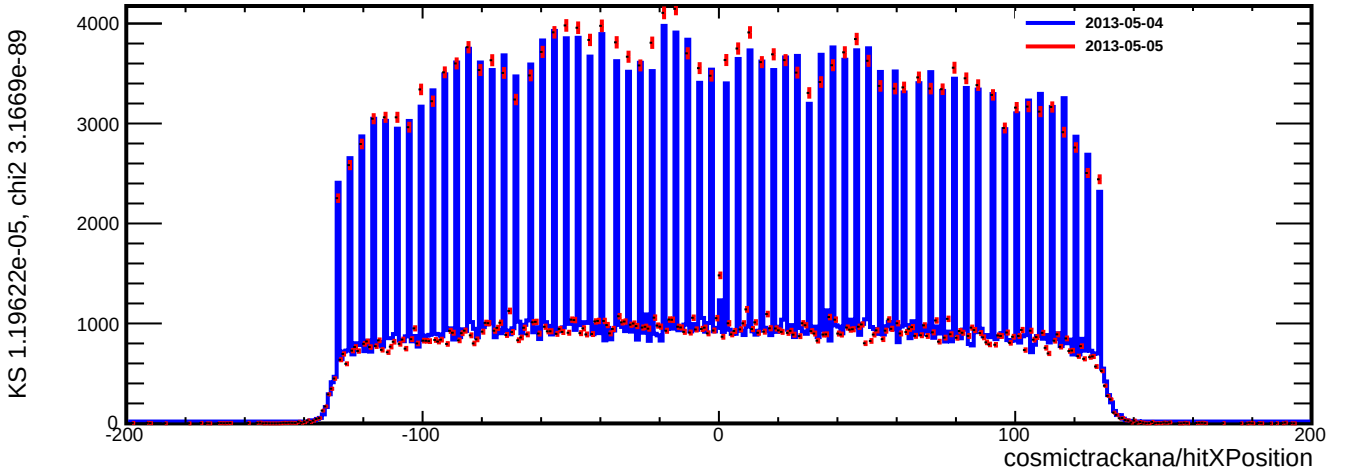

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

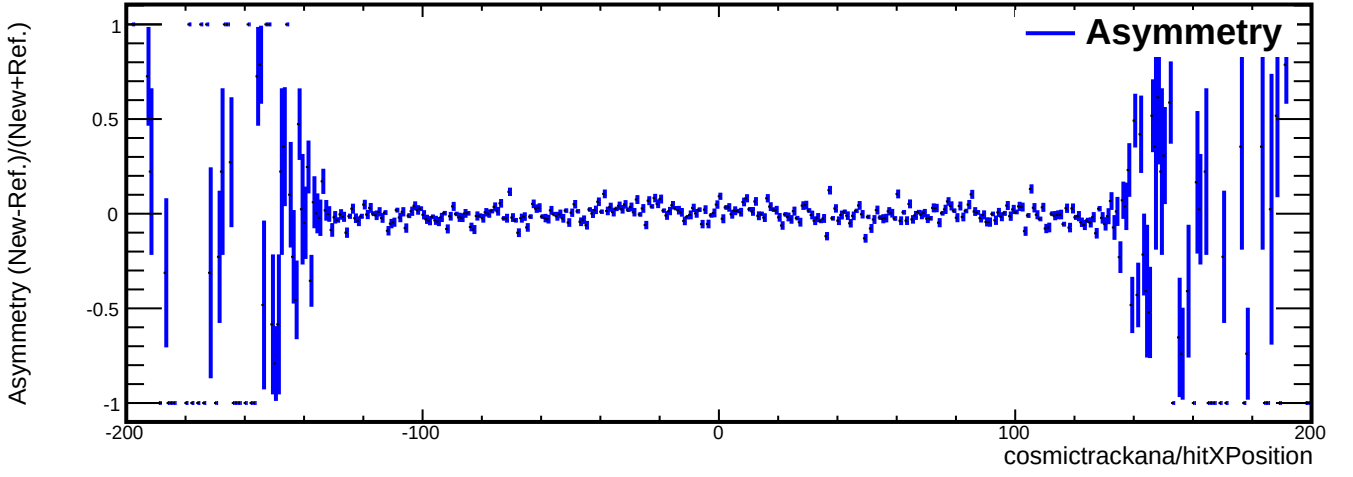

KS 0.0121723, chi2 7.62016e-39
2013-05-04
2013-05-05
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

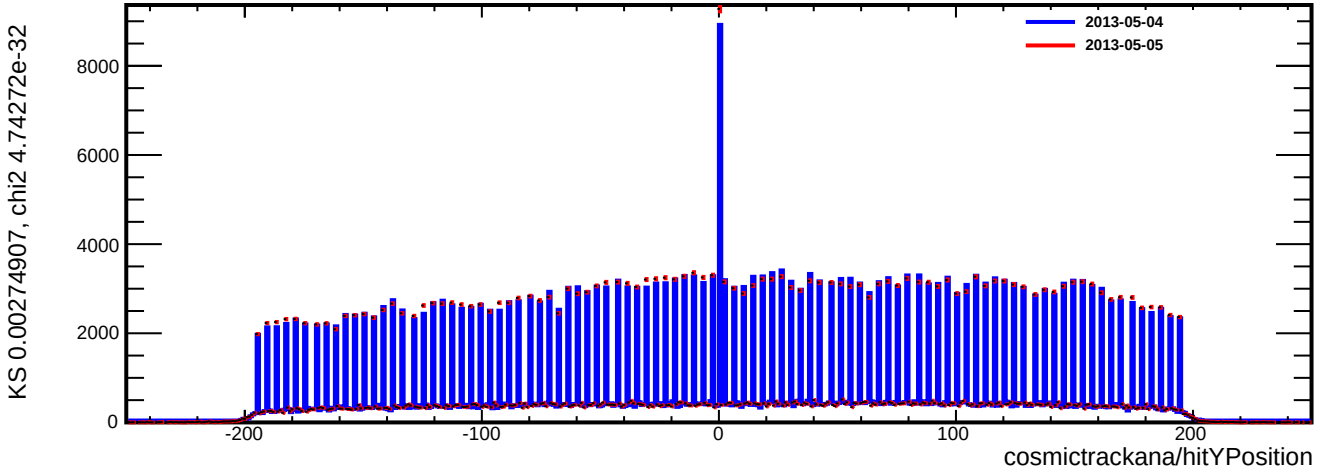

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

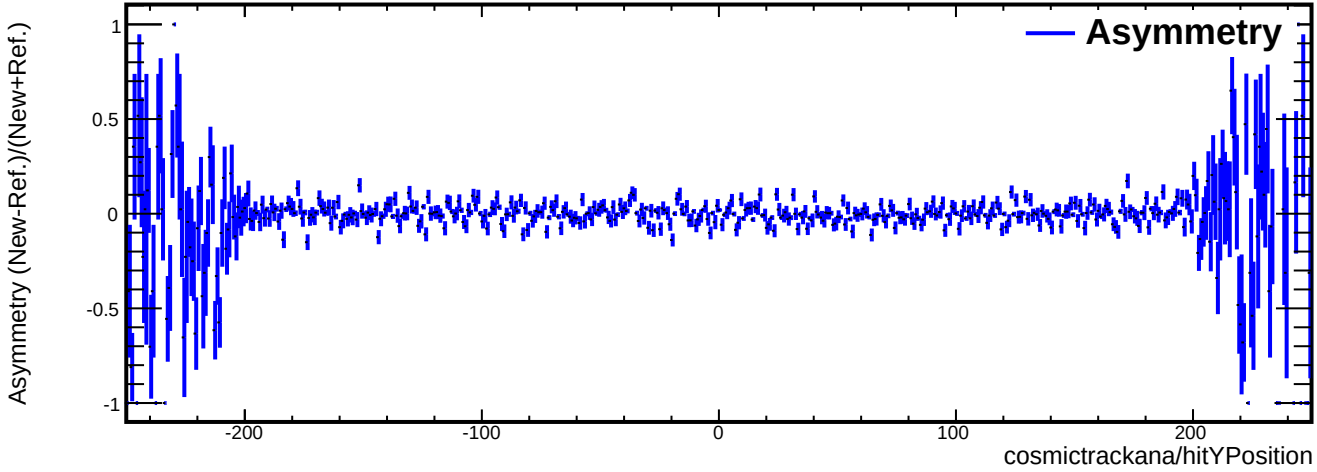

KS 0.249348, chi2 0.0157619
2013-05-04
2013-05-05
12000
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

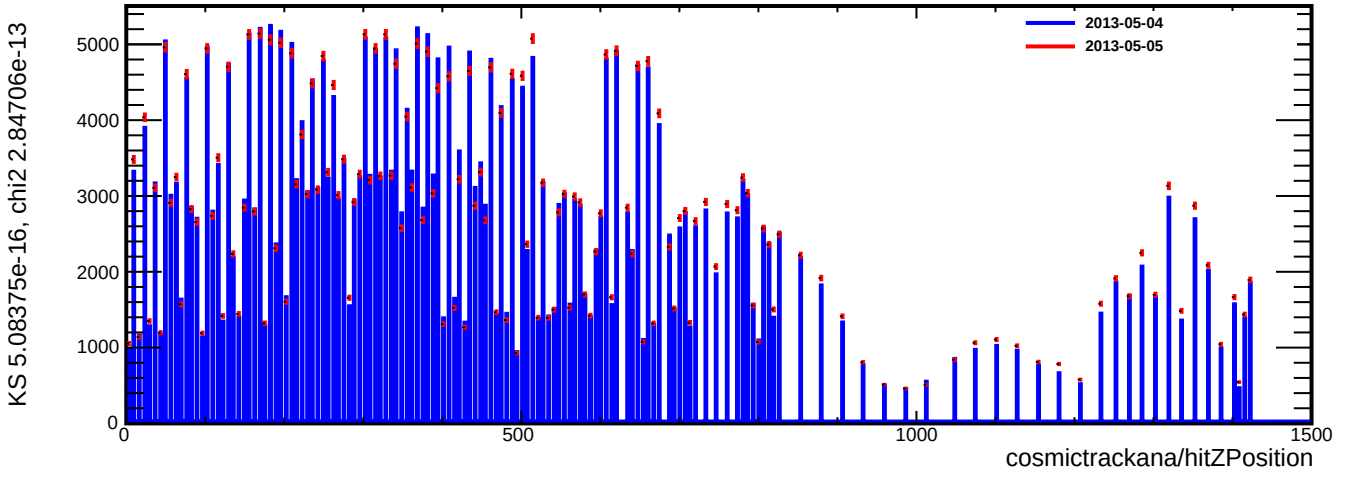

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

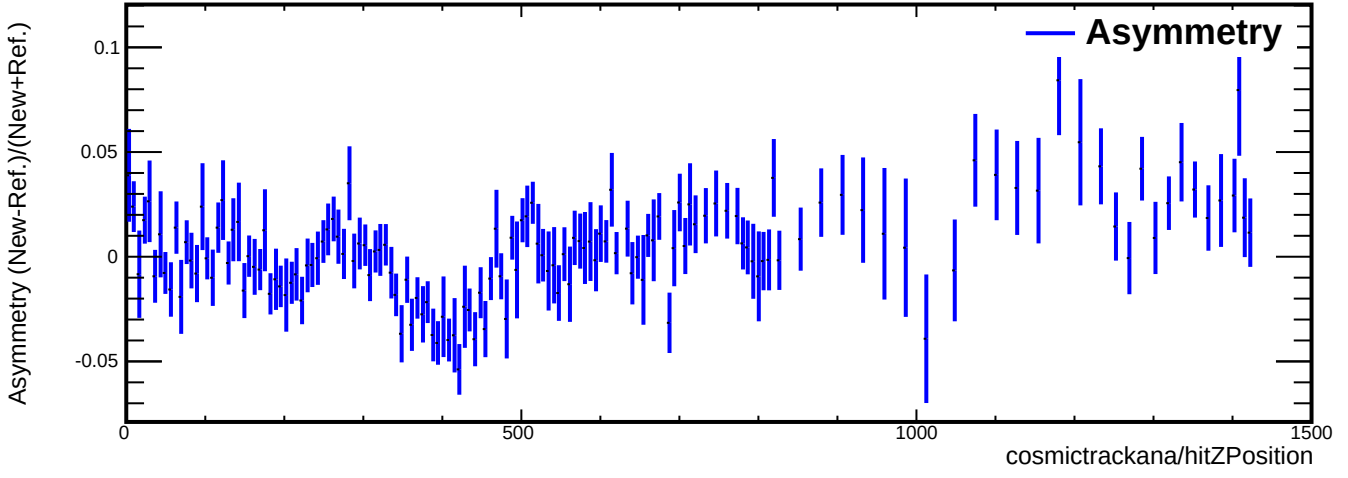

KS 1.19622e-05, chi2 3.1669e-89
2013-05-04
2013-05-05
cosmictrackana/hitXPosition

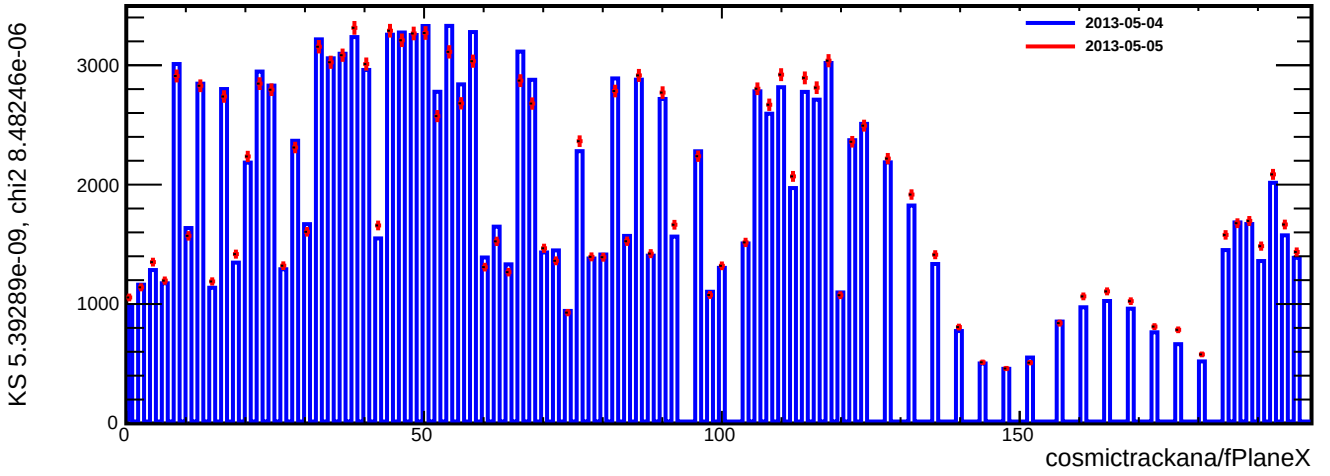

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/hitXPosition

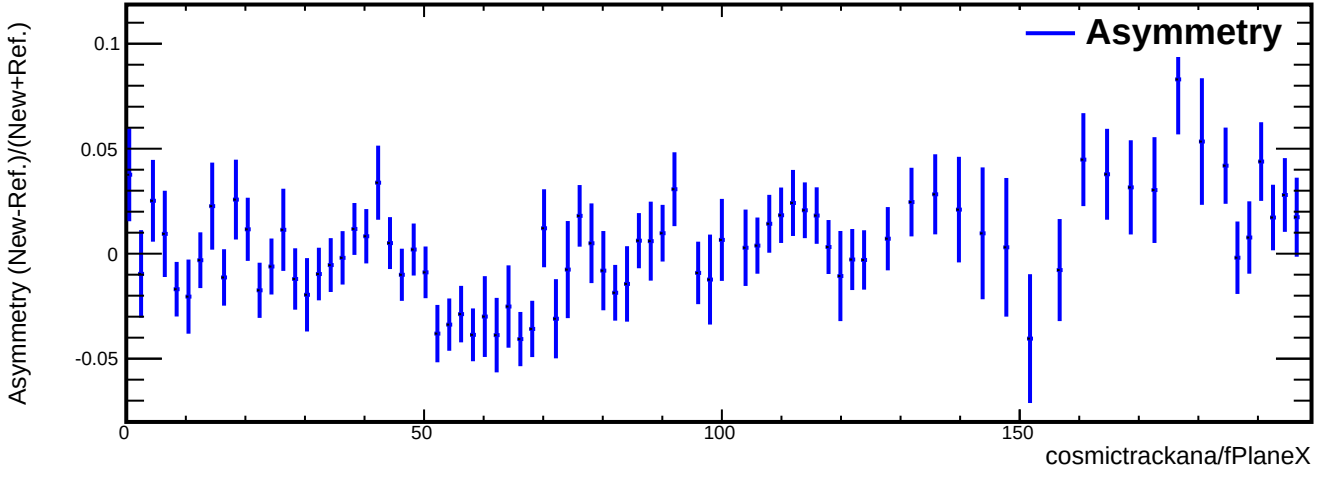

KS 0.00274907, chi2 4.74272e-32
2013-05-04
2013-05-05
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

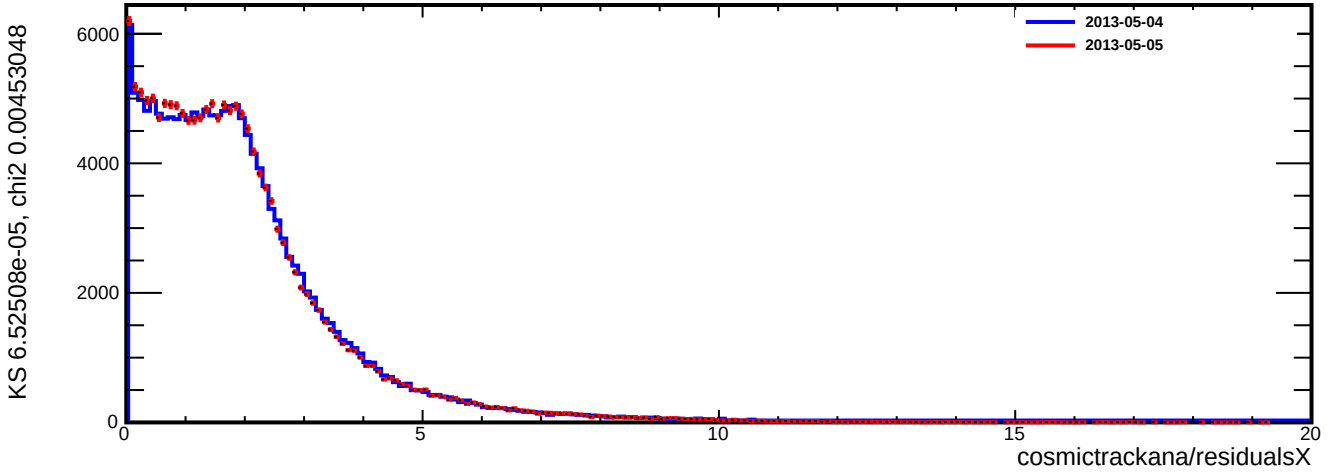

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

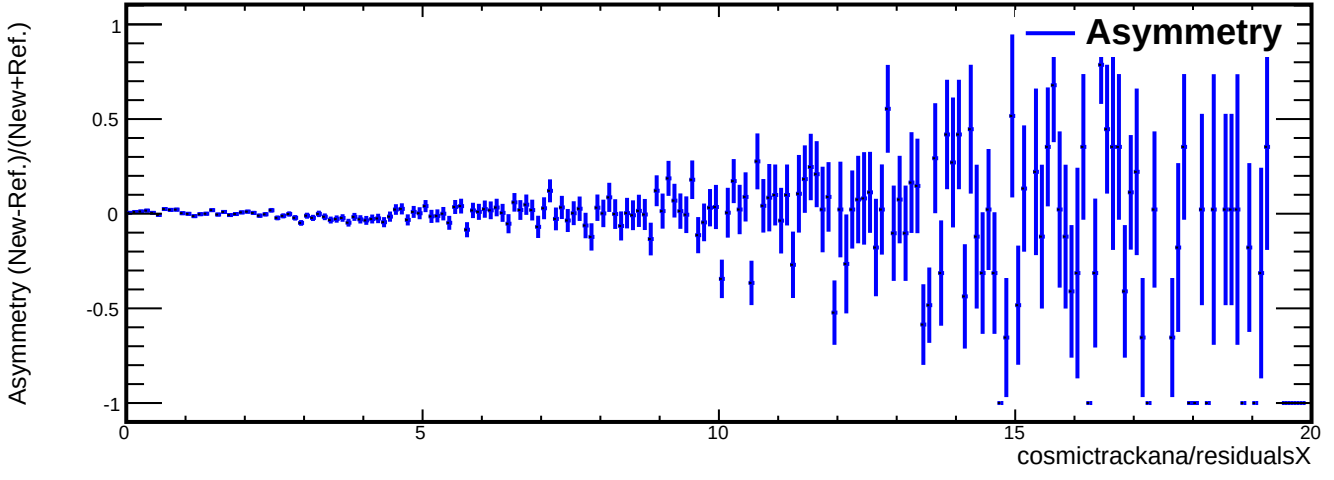

KS 5.08375e-16, chi2 2.84706e-13
2013-05-04
2013-05-05
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

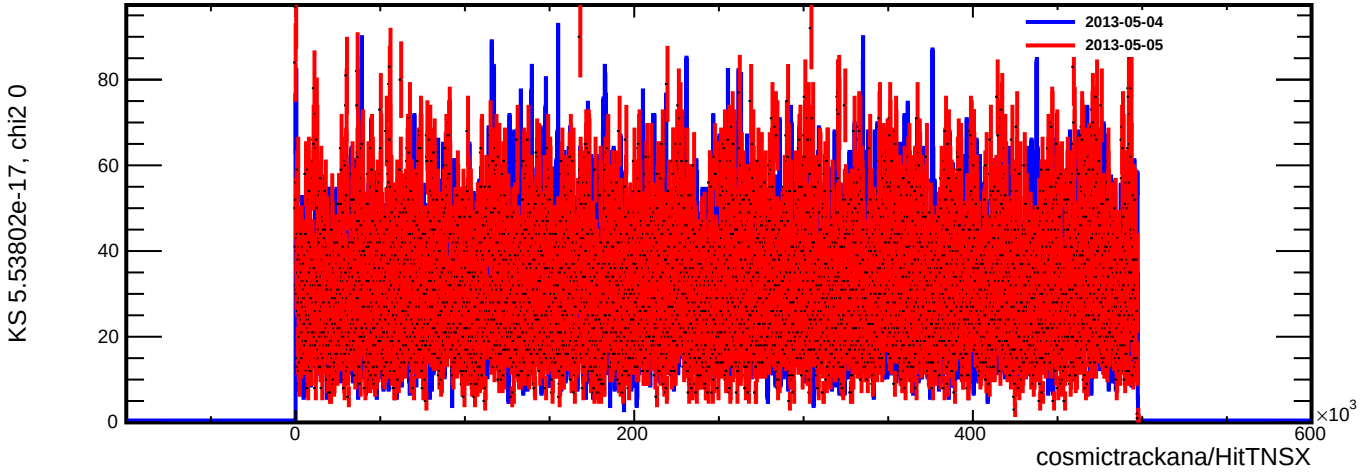

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
0
500
1000
1500
cosmictrackana/hitZPosition

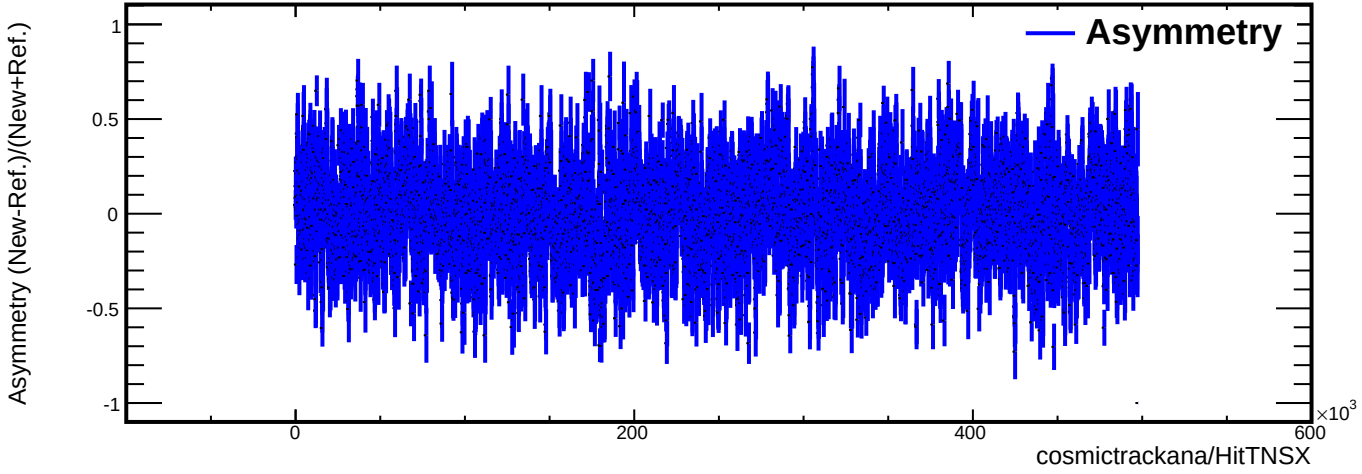

KS 5.39289e-09, chi2 8.48246e-06
2013-05-04
2013-05-05
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

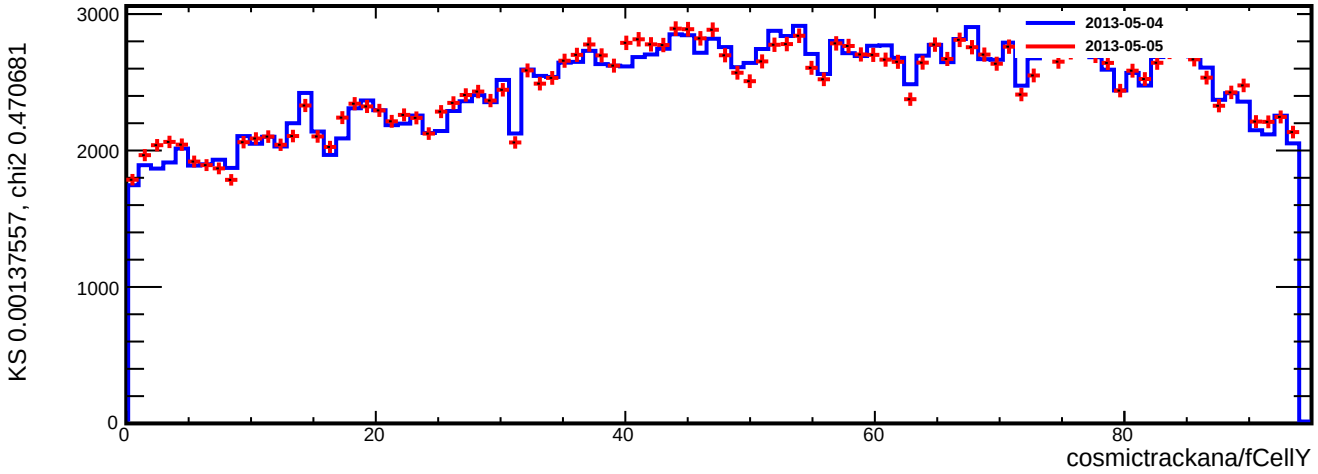

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
0
50
100
150
cosmictrackana/fPlaneX

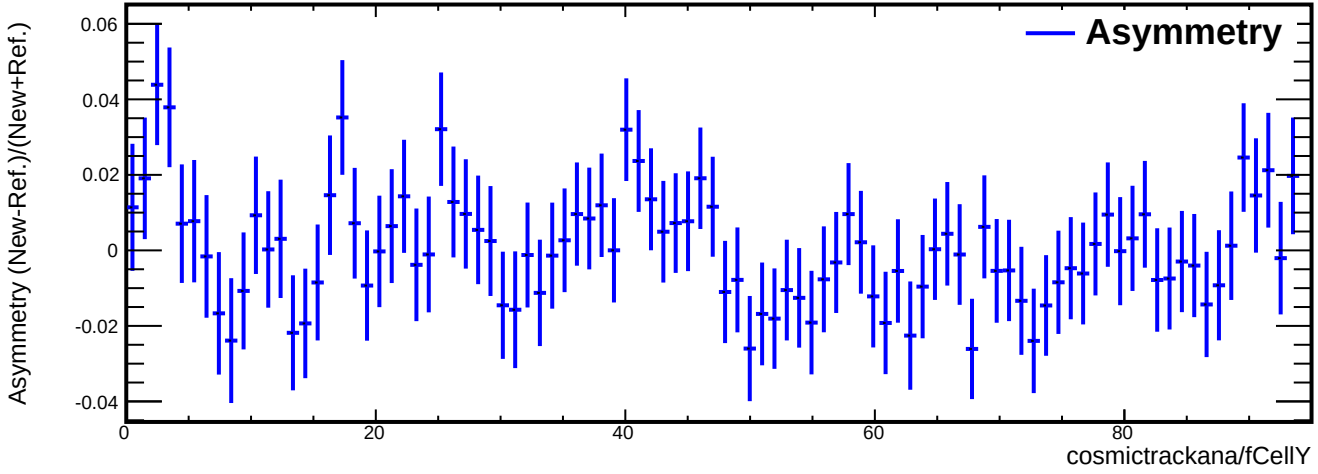

KS 6.52508e-05, chi2 0.00453048
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX
2013-05-04
2013-05-05

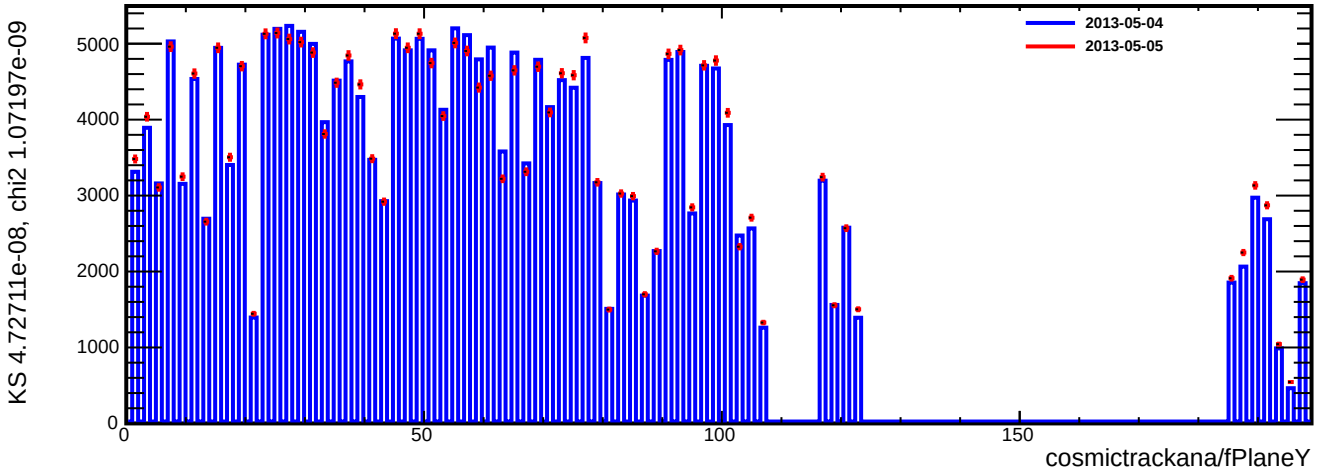

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX
Asymmetry

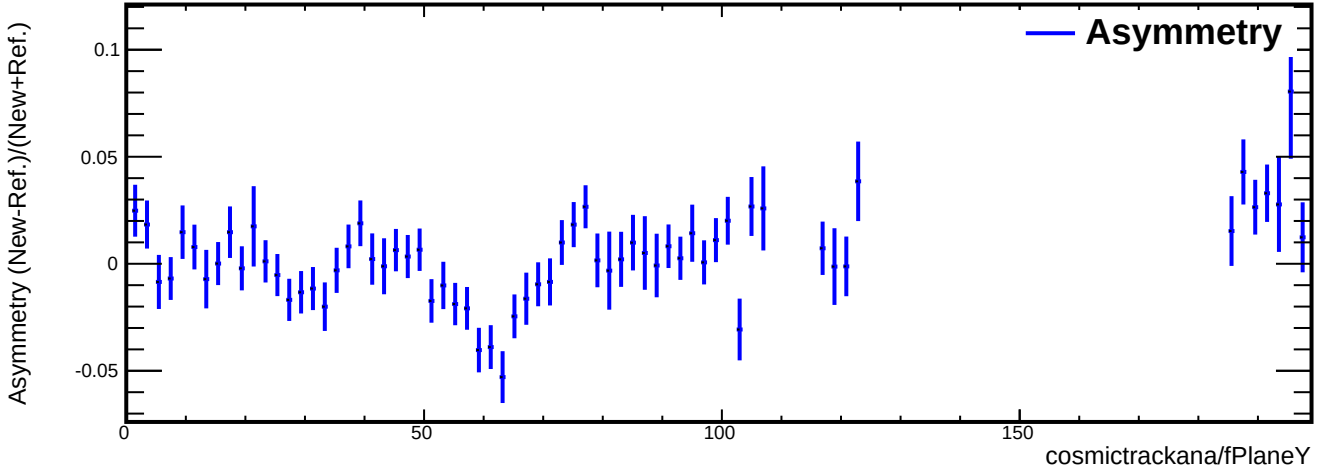

KS 5.53802e-17, chi2 0
2013-05-04
2013-05-05
0
20
40
60
80
0
200
400
600
×10^3
cosmictrackana/HitTNSX

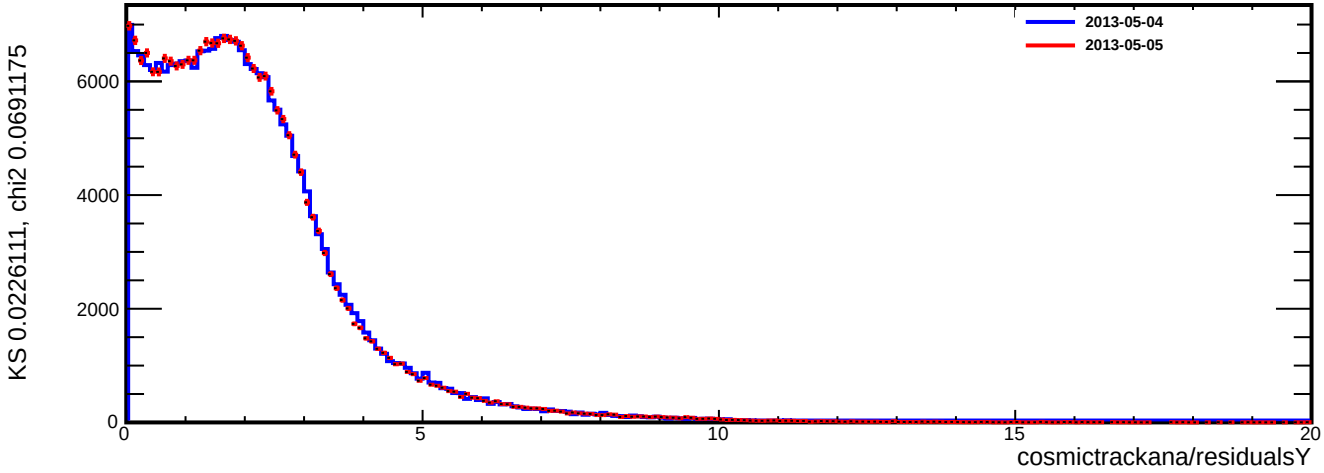

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX

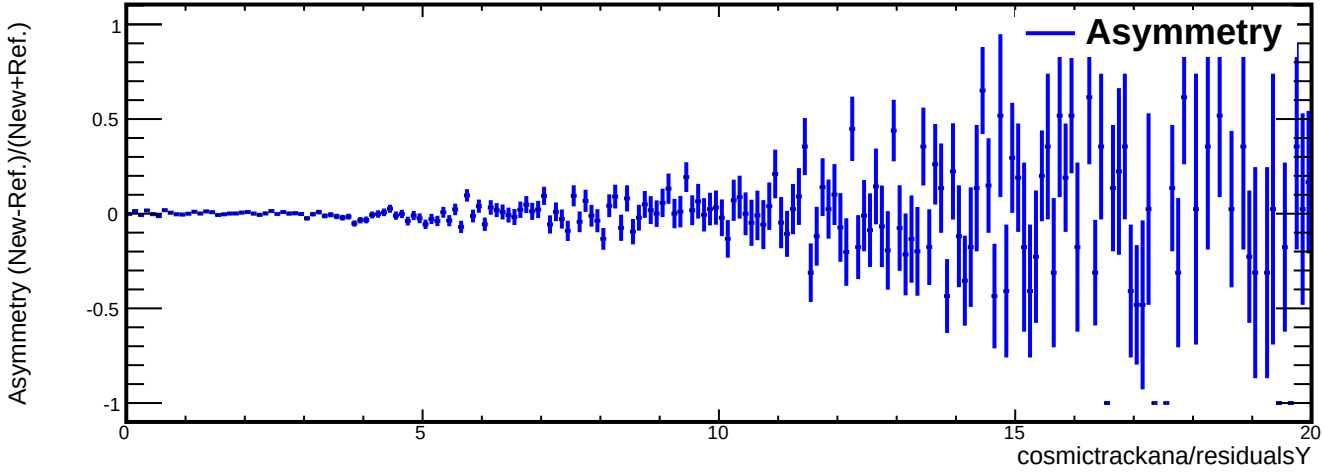

KS 0.00137557, chi2 0.470681
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY
2013-05-04
2013-05-05

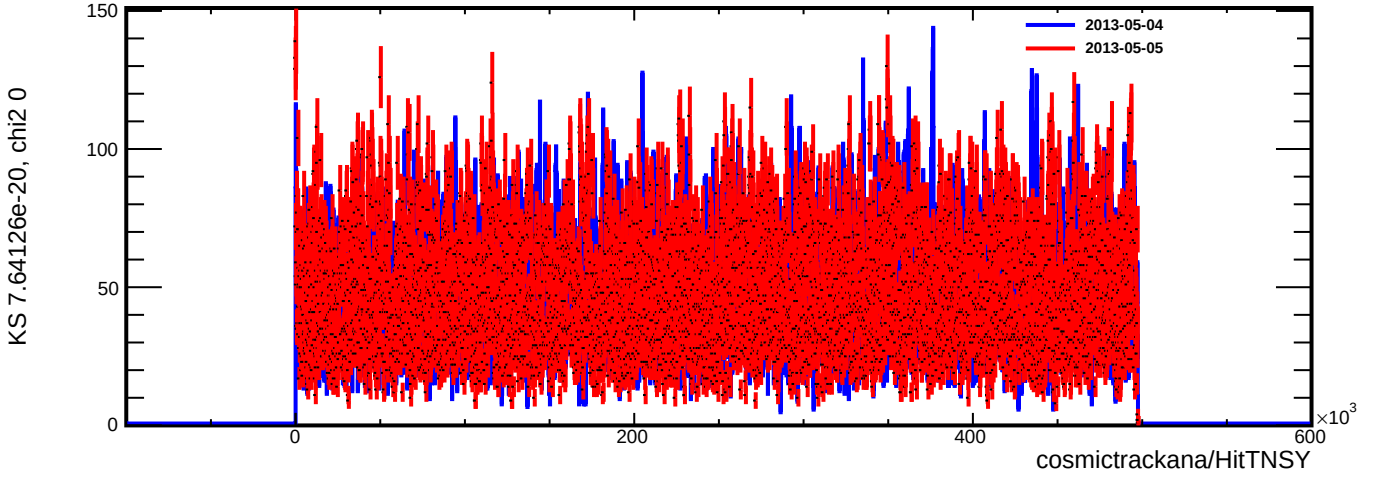

Asymmetry (New-Ref.)/(New+Ref.)
0.06
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellY
Asymmetry

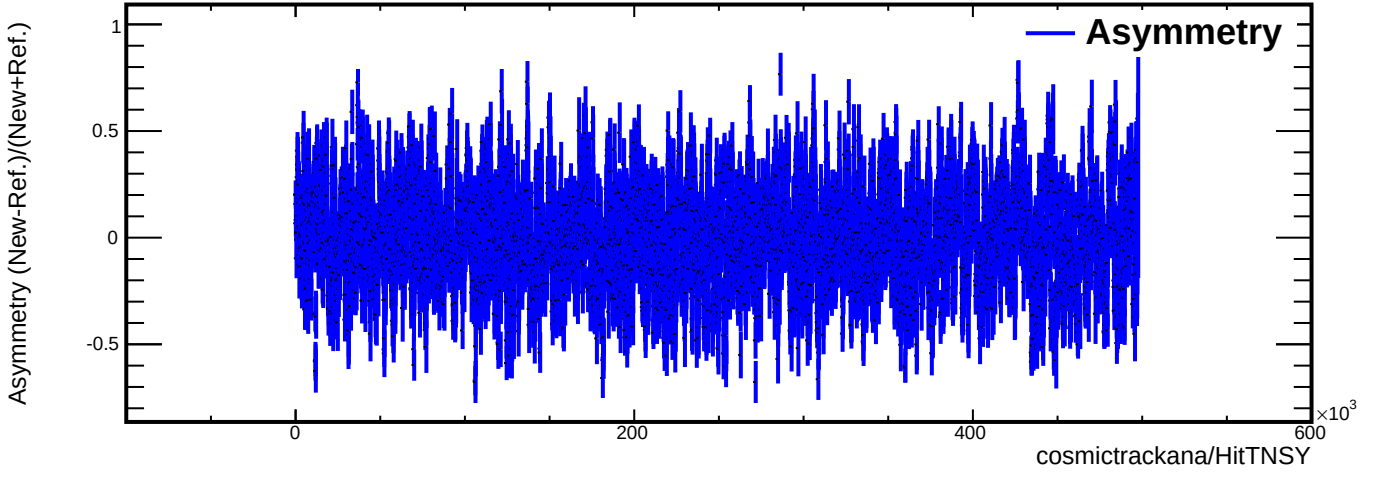

KS 4.72711e-08, chi2 1.07197e-09
2013-05-04
2013-05-05
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


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


KS 0.0226111, chi2 0.0691175
2013-05-04
2013-05-05
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 7.64126e-20, chi2 0
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY
2013-05-04
2013-05-05


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