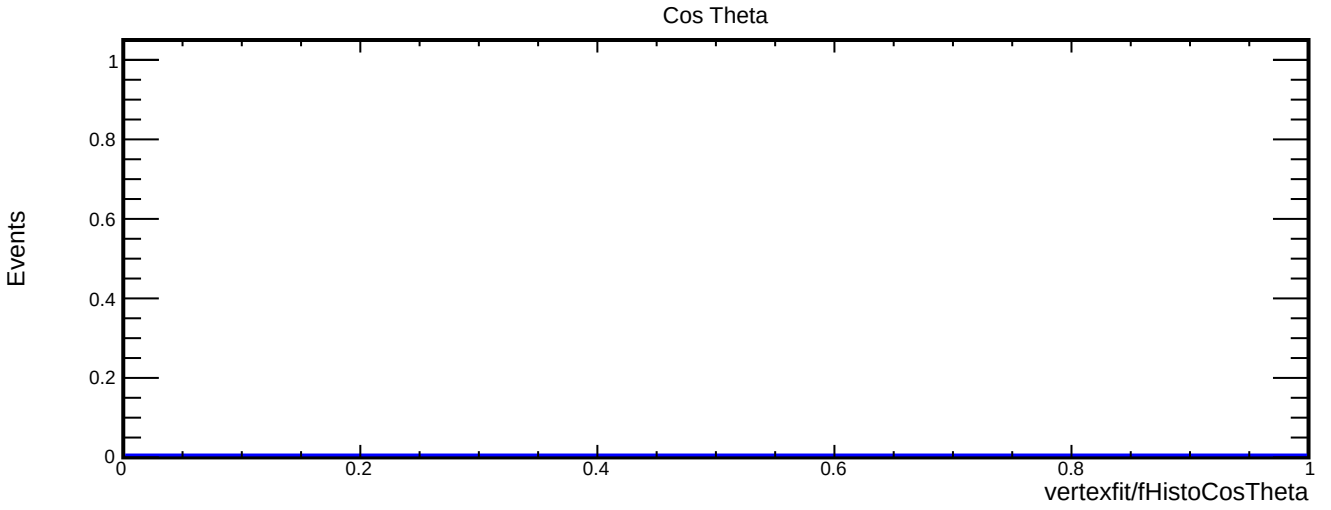
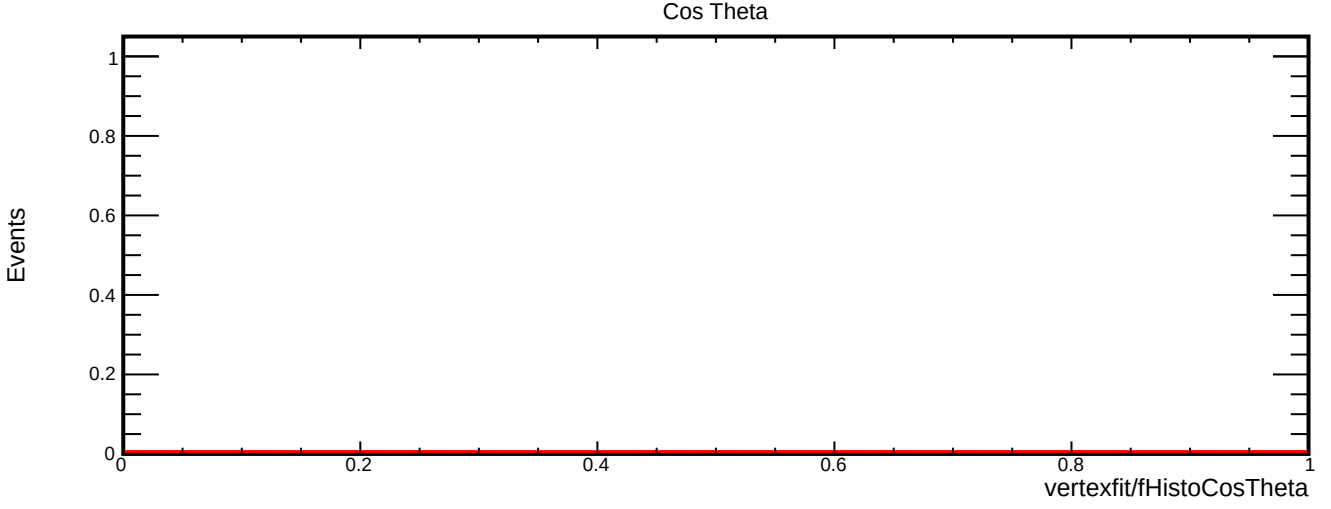
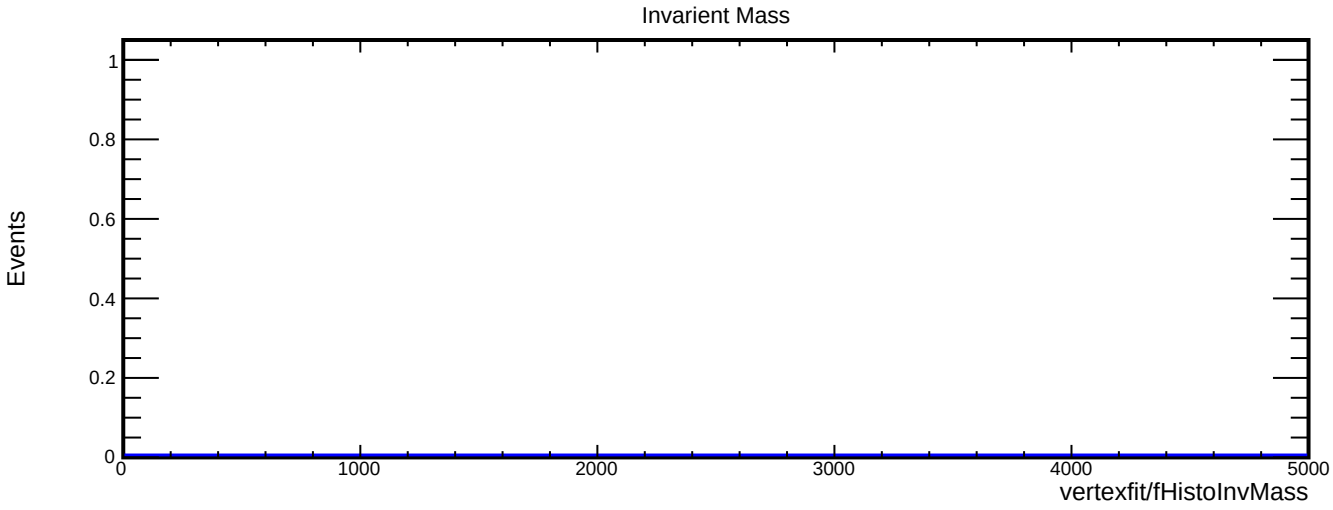
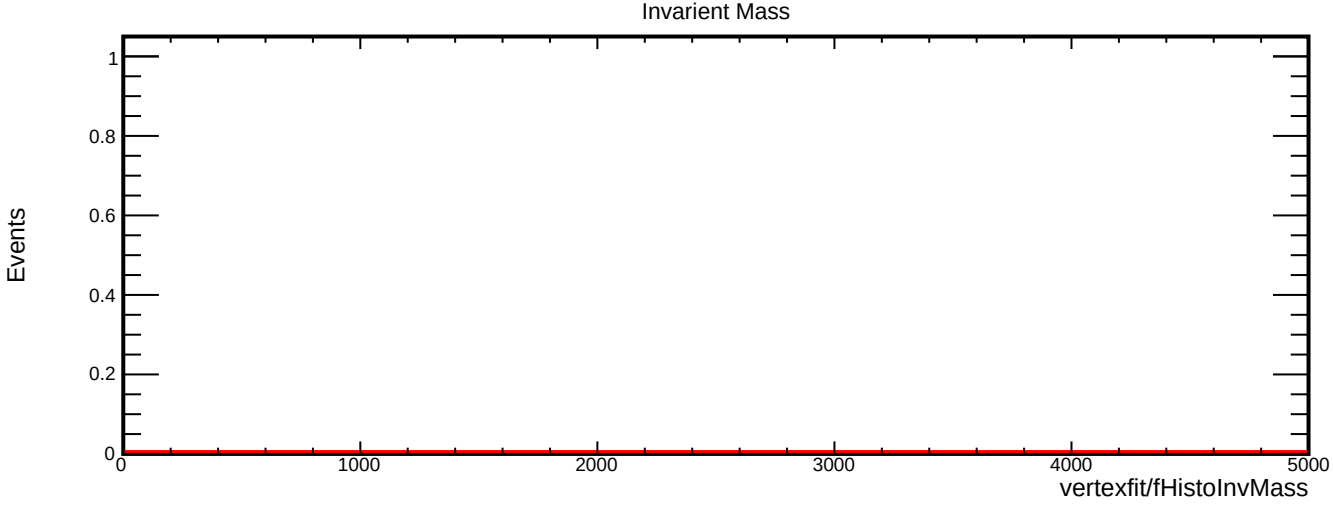
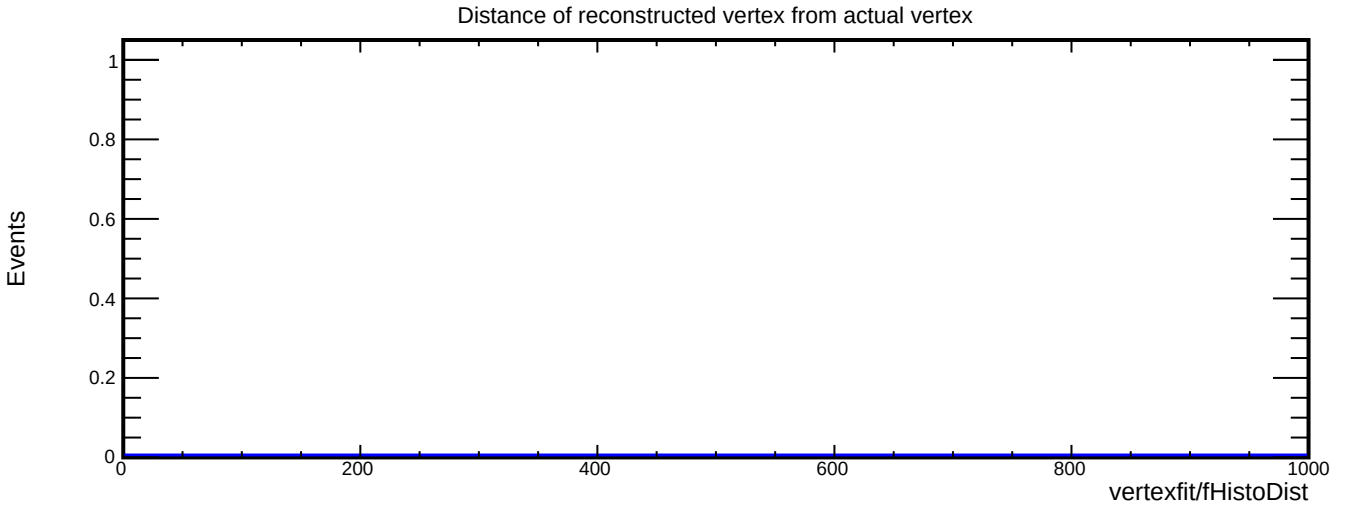
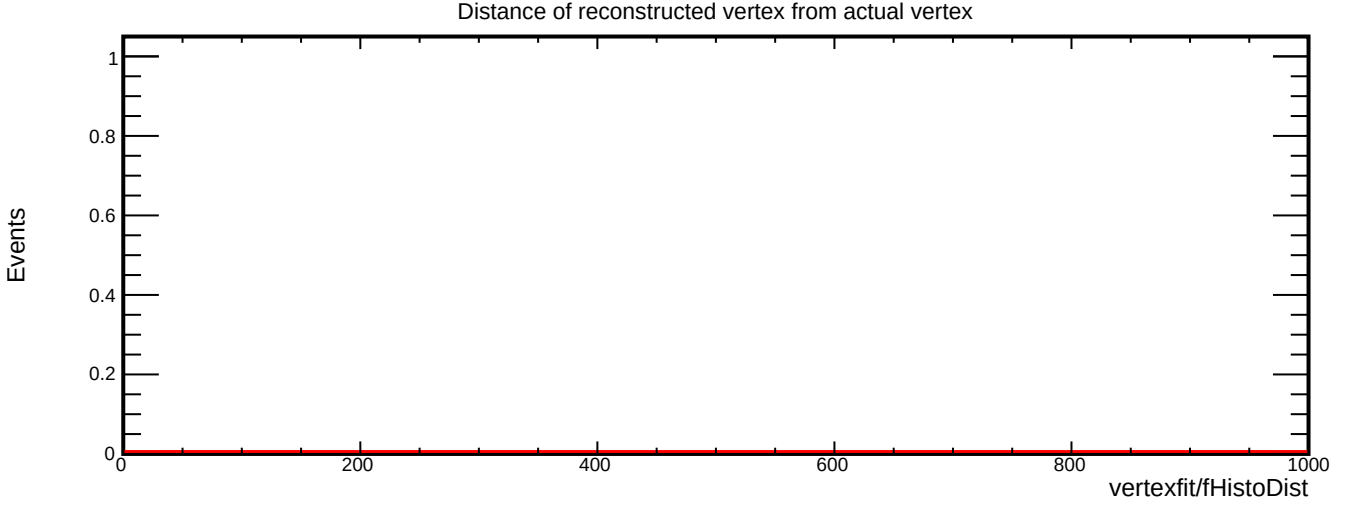

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

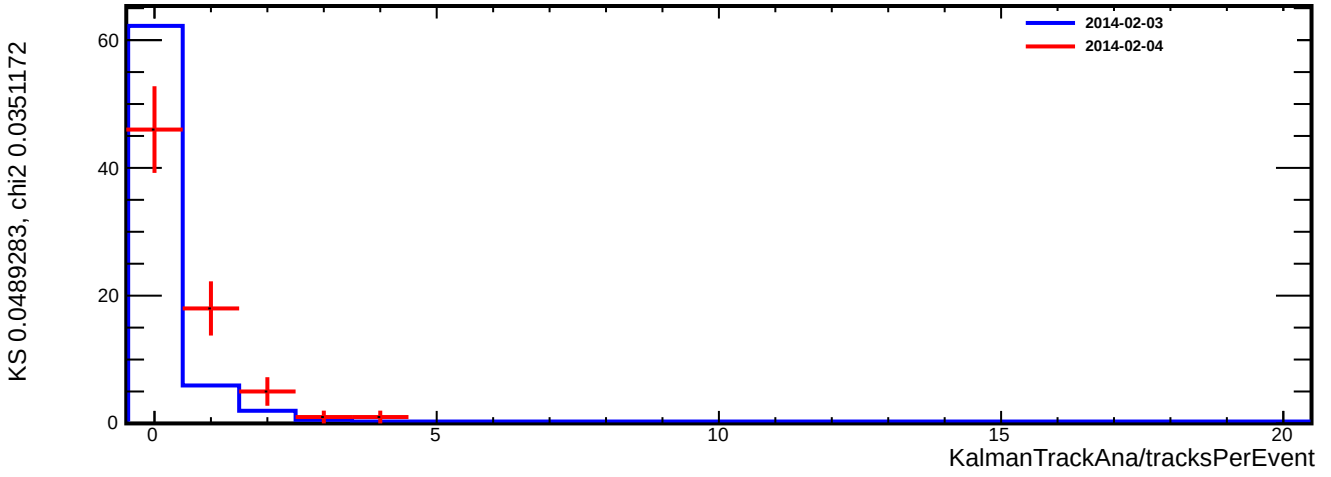

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

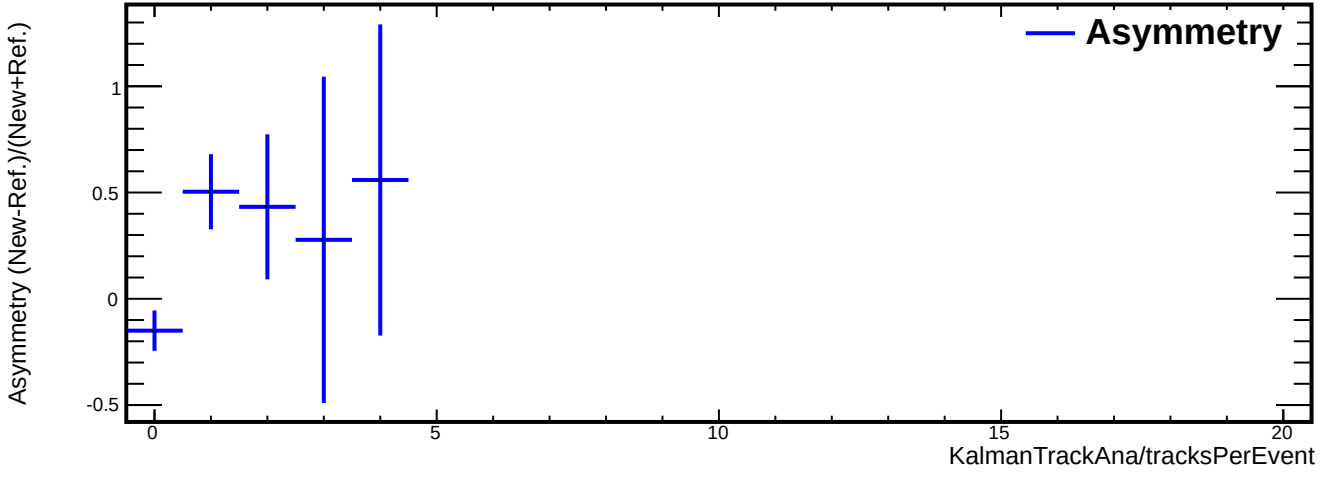

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

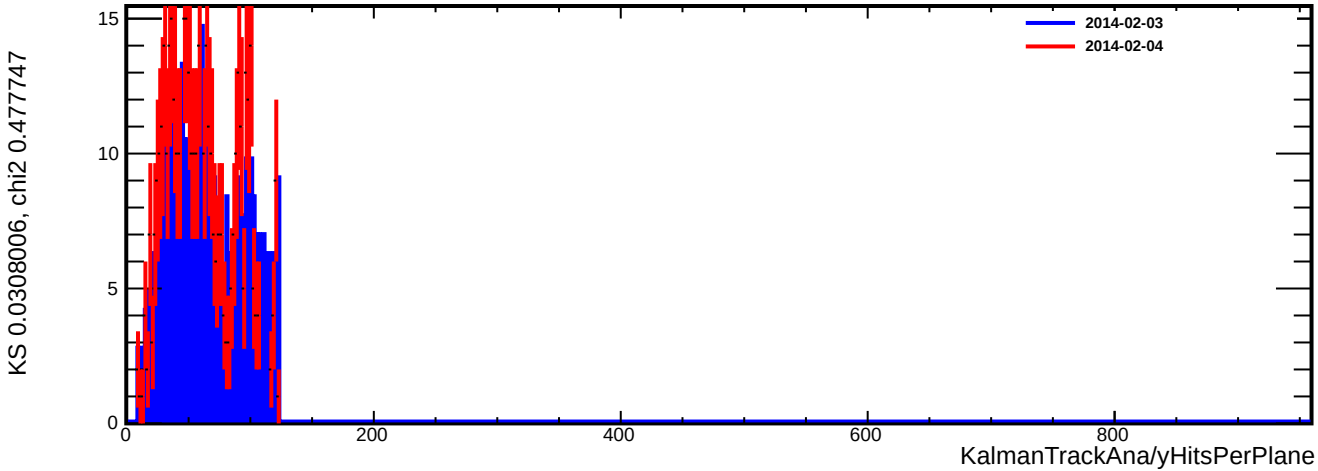

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

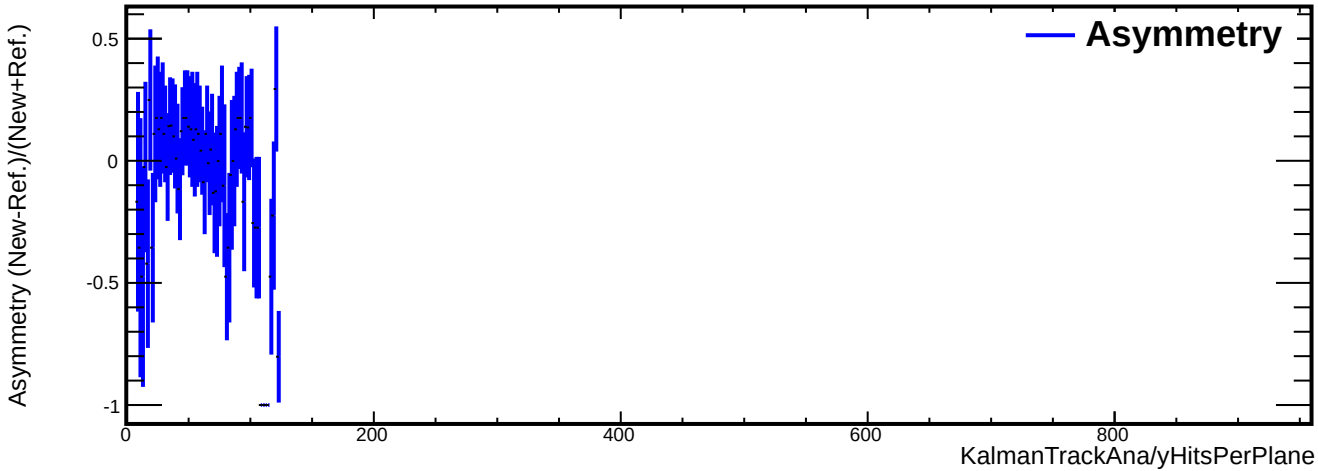

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

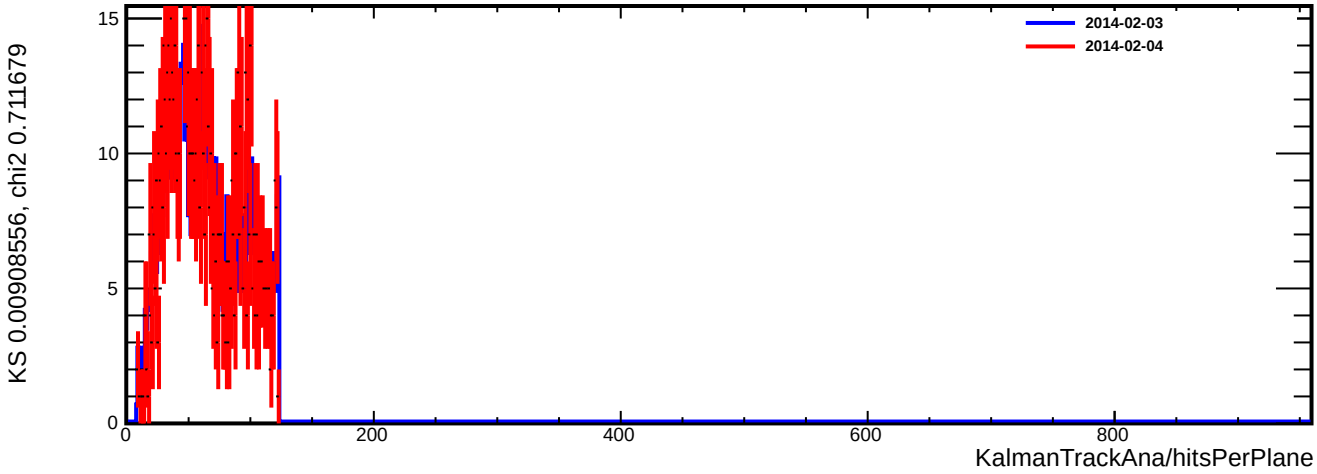

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

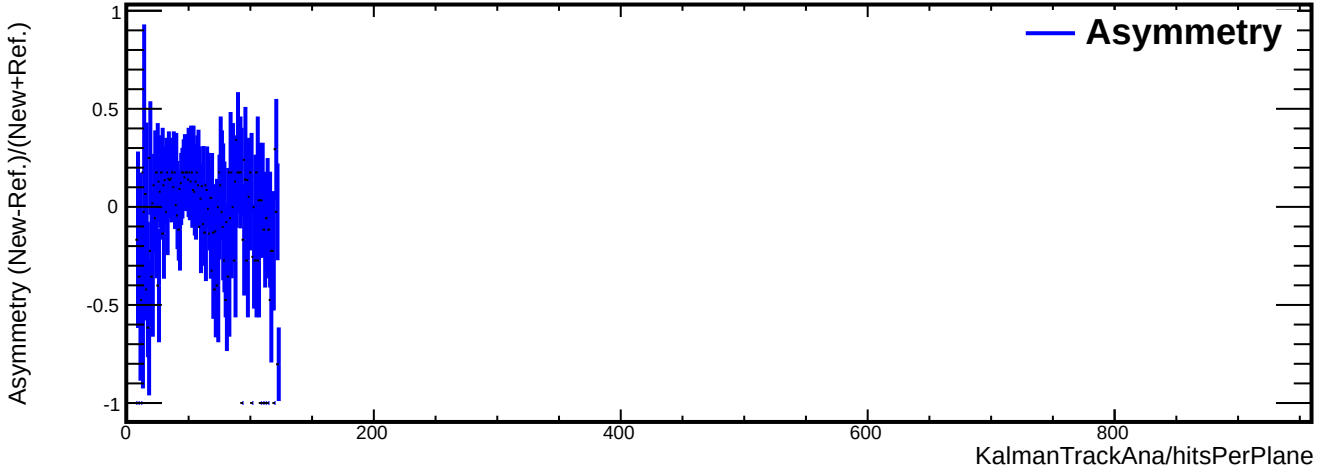

KS 0.0489283, chi2 0.0351172
2014-02-03
2014-02-04
60
40
20
0
0
5
10
15
20
KalmanTrackAna/tracksPerEvent

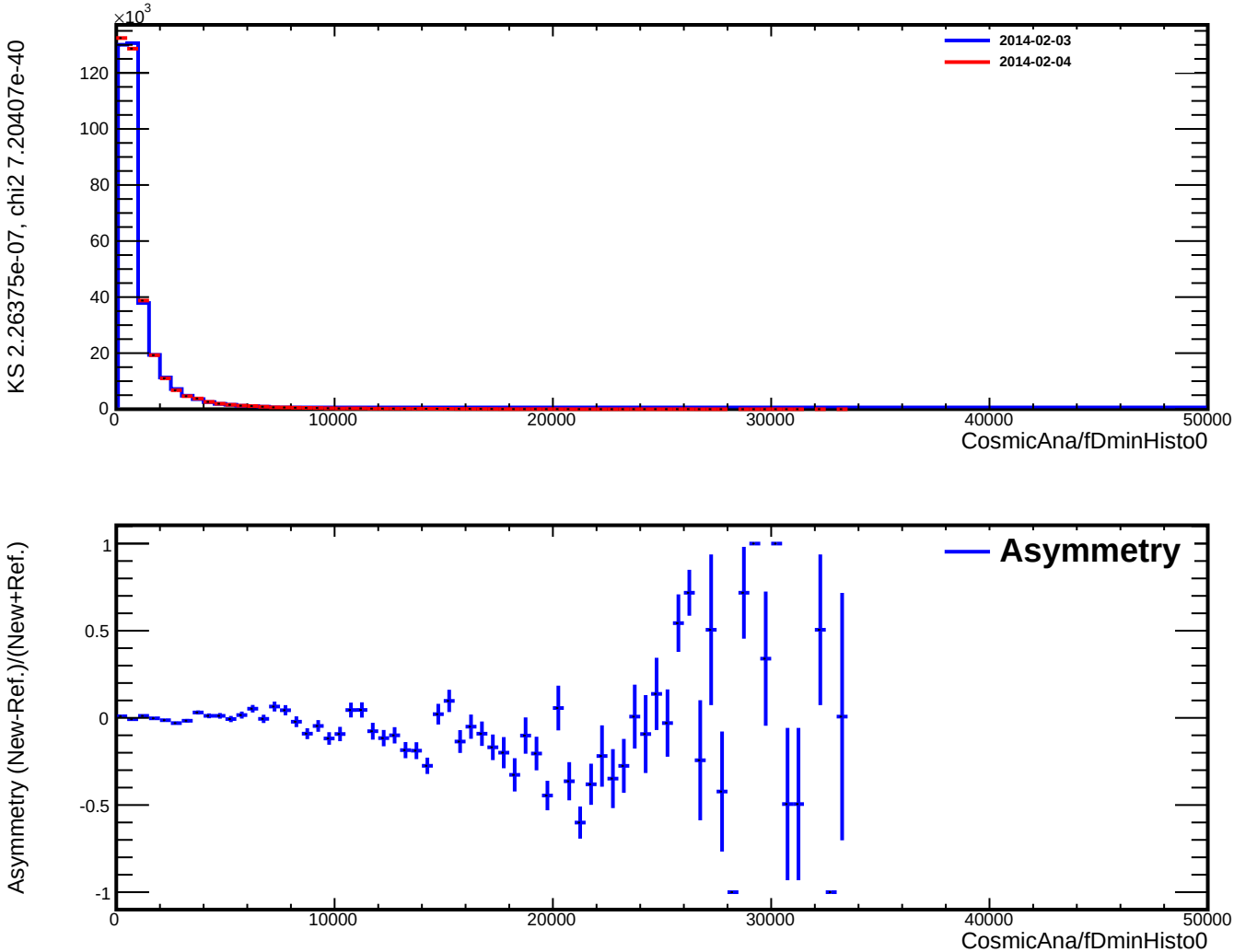

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
5
10
15
20
KalmanTrackAna/tracksPerEvent

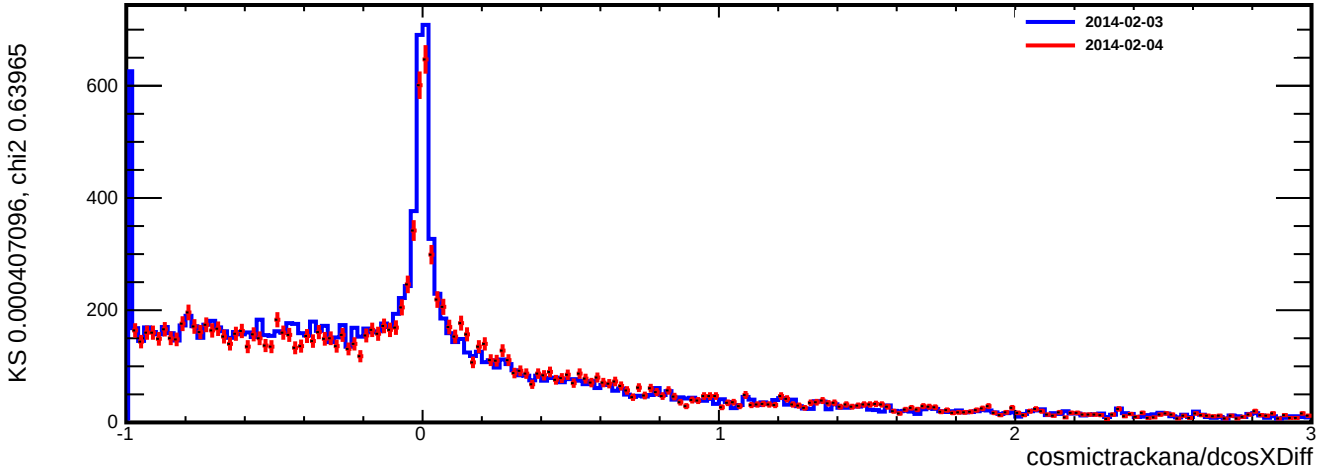

KS 0.0308006, chi2 0.477747
2014-02-03
2014-02-04
0
5
10
15
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

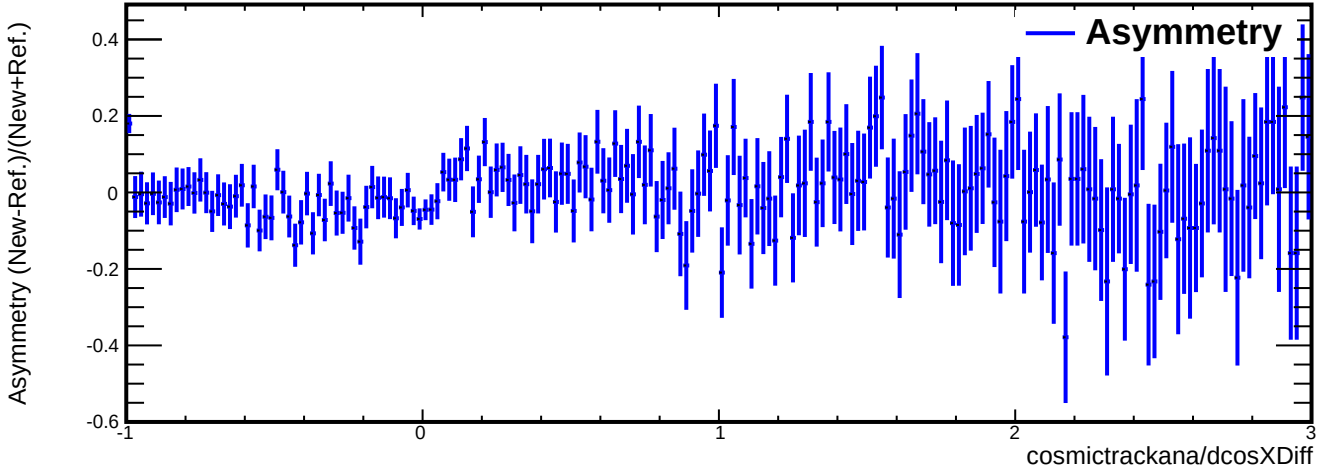

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-1
-0.5
0
0.5
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

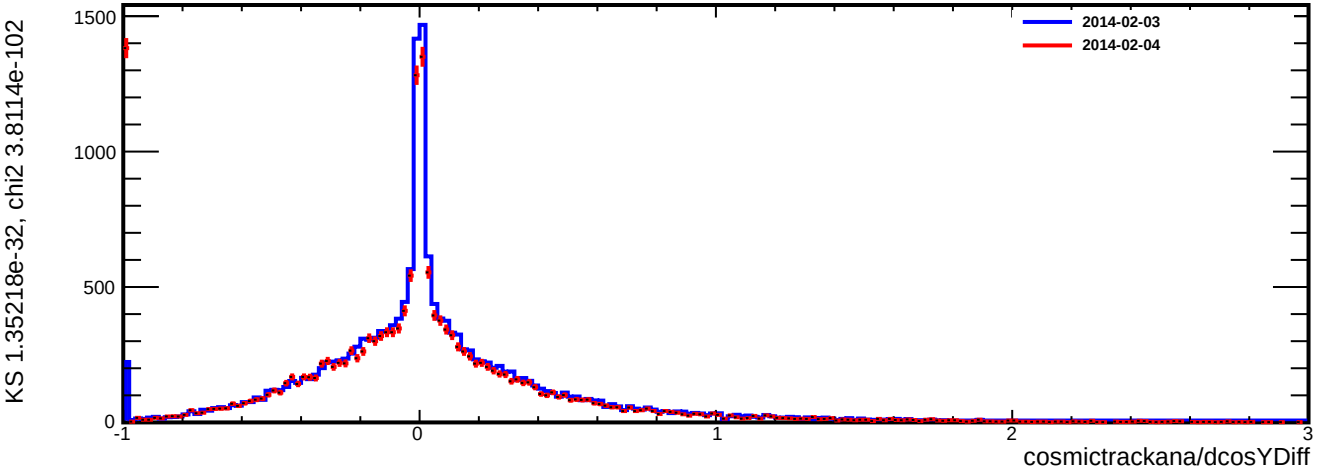

KS 0.00908556, chi2 0.711679
15
10
5
0
0
200
400
600
800
KalmanTrackAna/hitsPerPlane
2014-02-03
2014-02-04

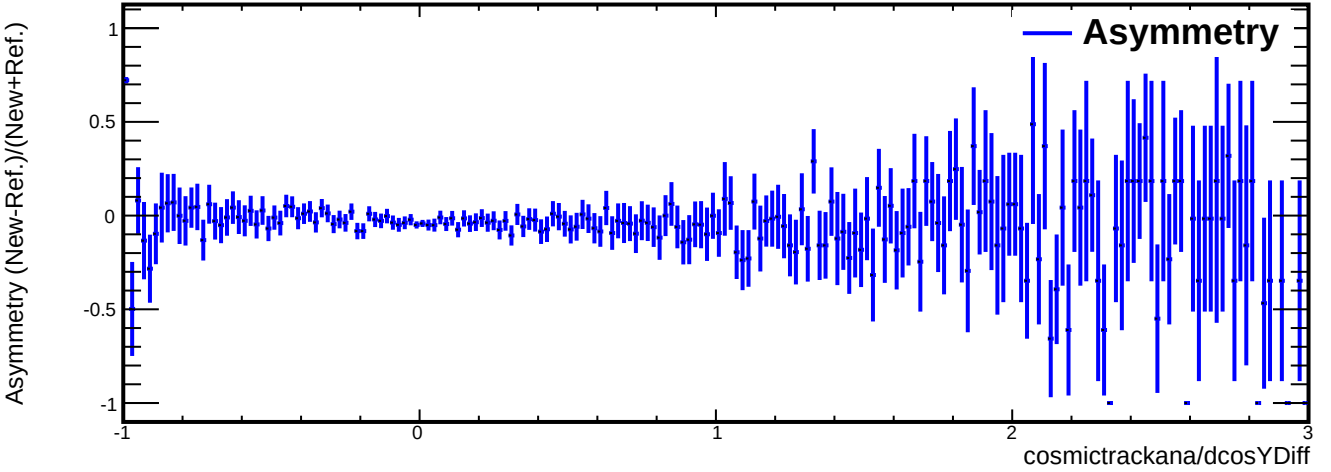

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane
Asymmetry

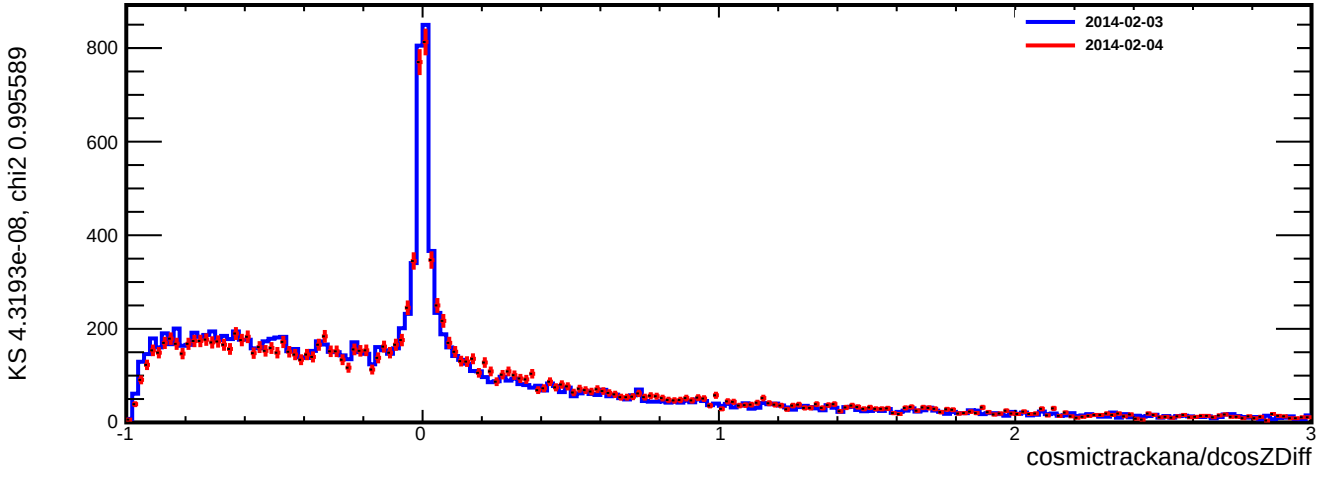

KS 2.26375e-07, chi2 7.20407e-40
×10^3
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
2014-02-03
2014-02-04
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
Asymmetry
CosmicAna/fDminHisto0

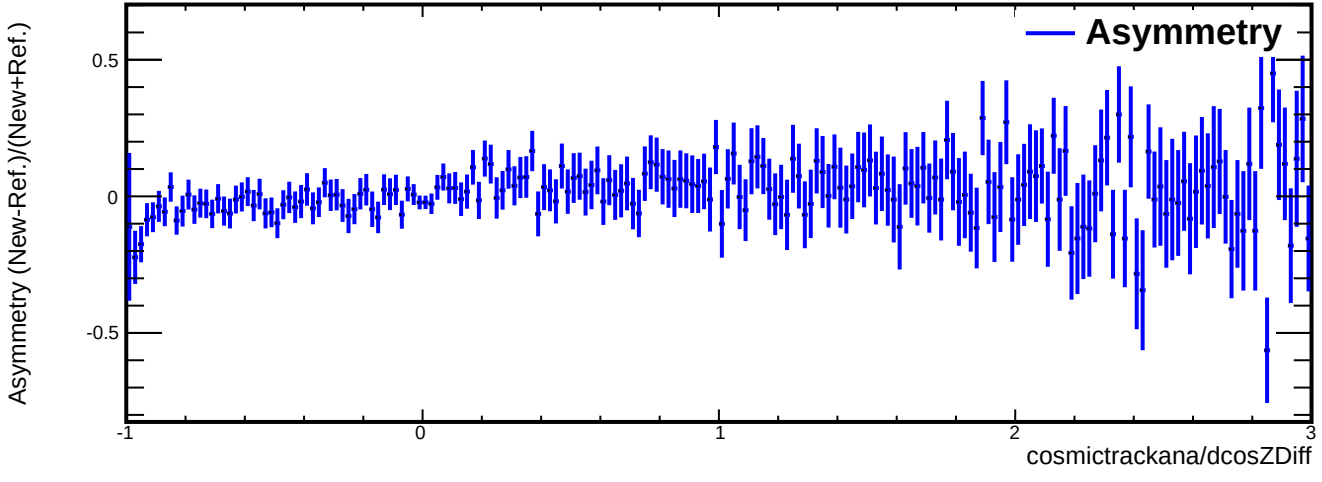

KS 0.000407096, chi2 0.63965
2014-02-03
2014-02-04
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosXDiff

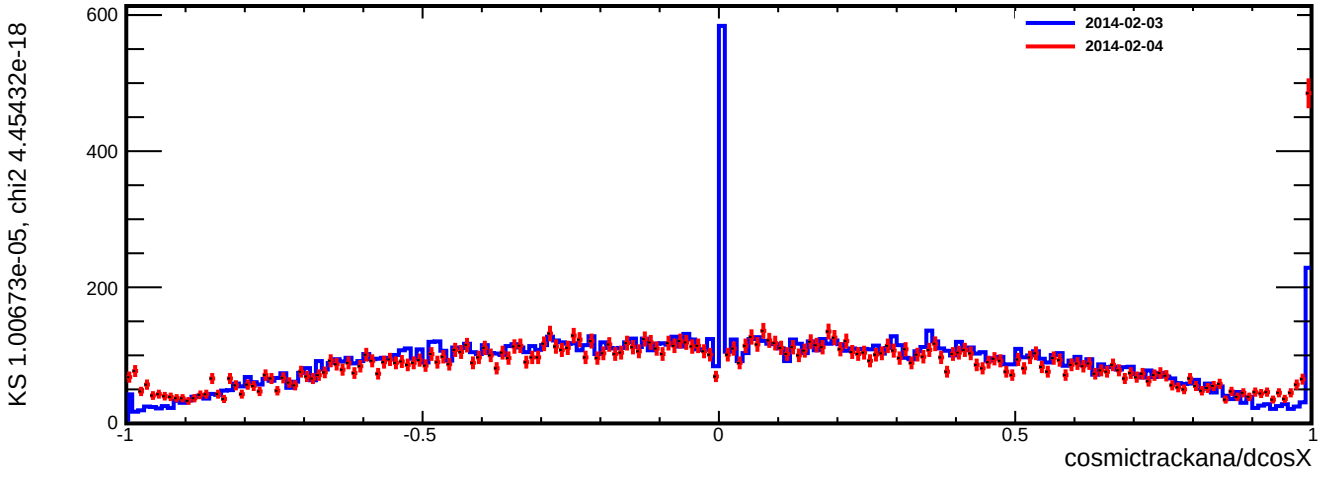

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-0.4
-0.6
-1
0
1
2
3
cosmictrackana/dcosXDiff

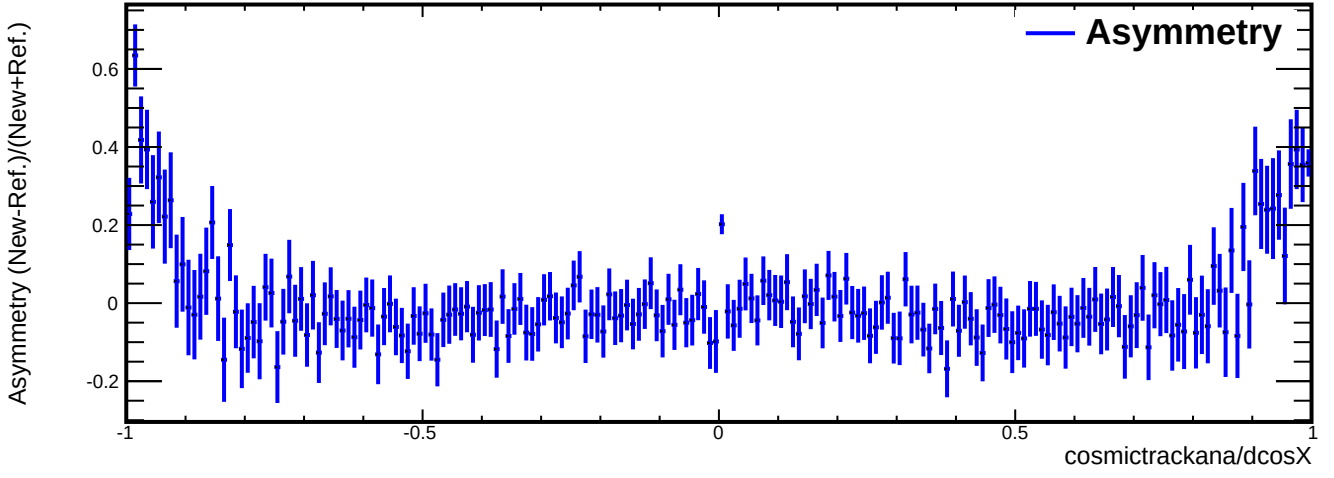

KS 1.35218e-32, chi2 3.8114e-102
2014-02-03
2014-02-04
cosmictrackana/dcosYDiff

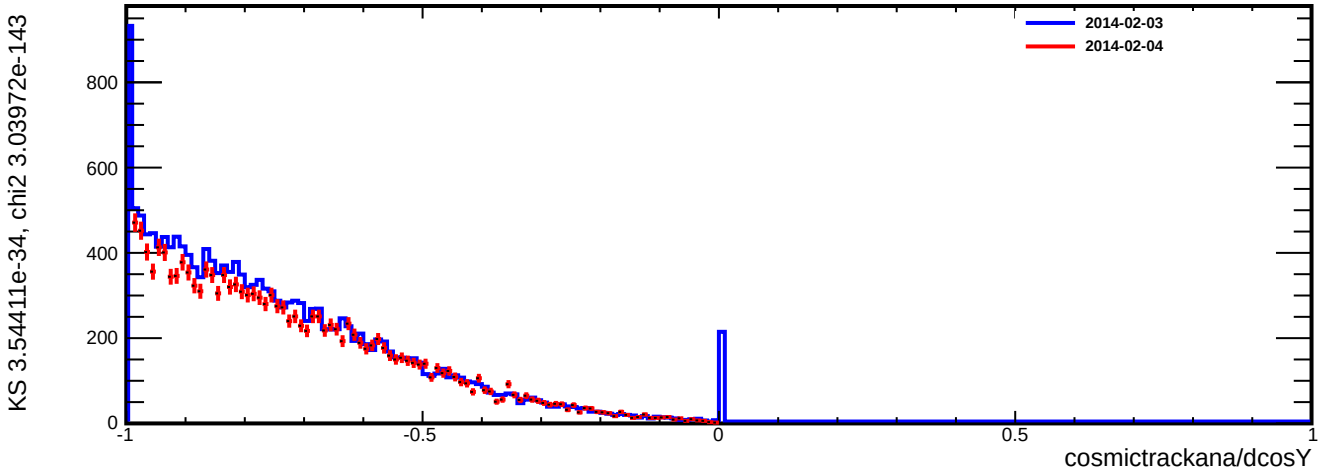

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dcosYDiff

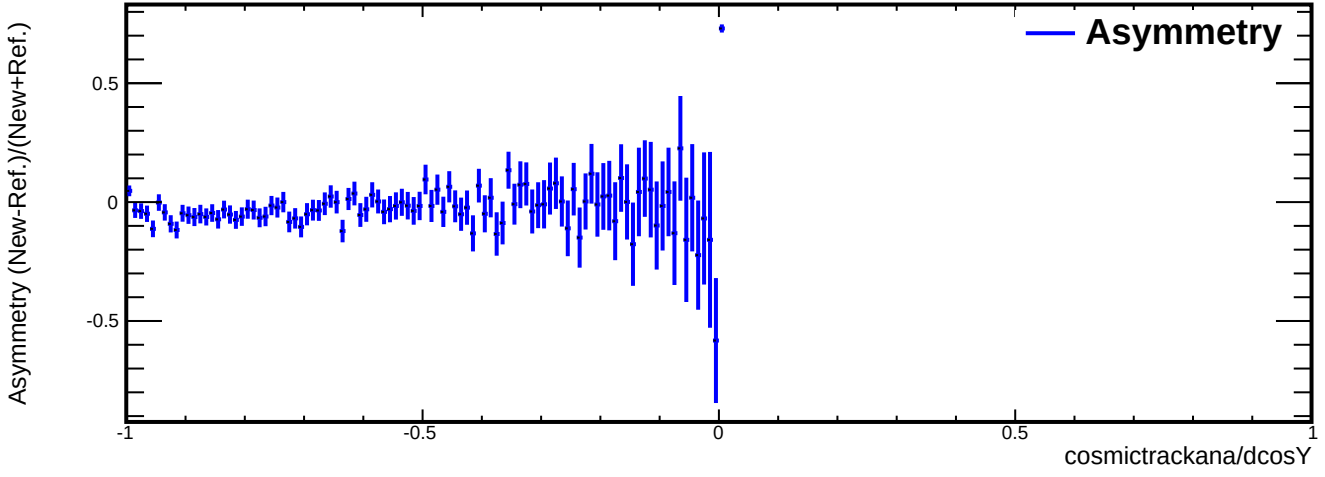

KS 4.3193e-08, chi2 0.995589
2014-02-03
2014-02-04
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosZDiff

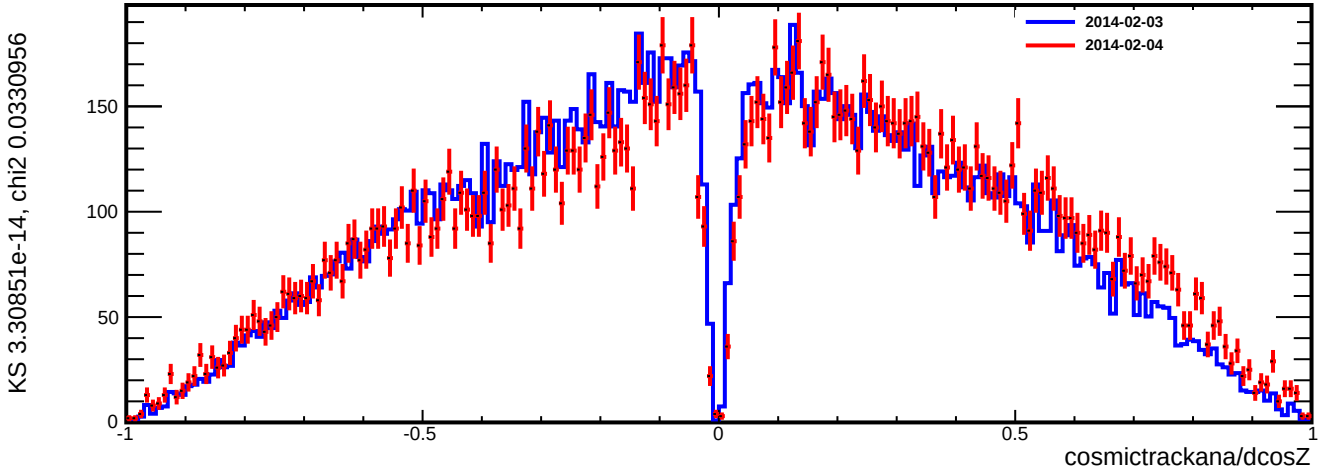

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosZDiff

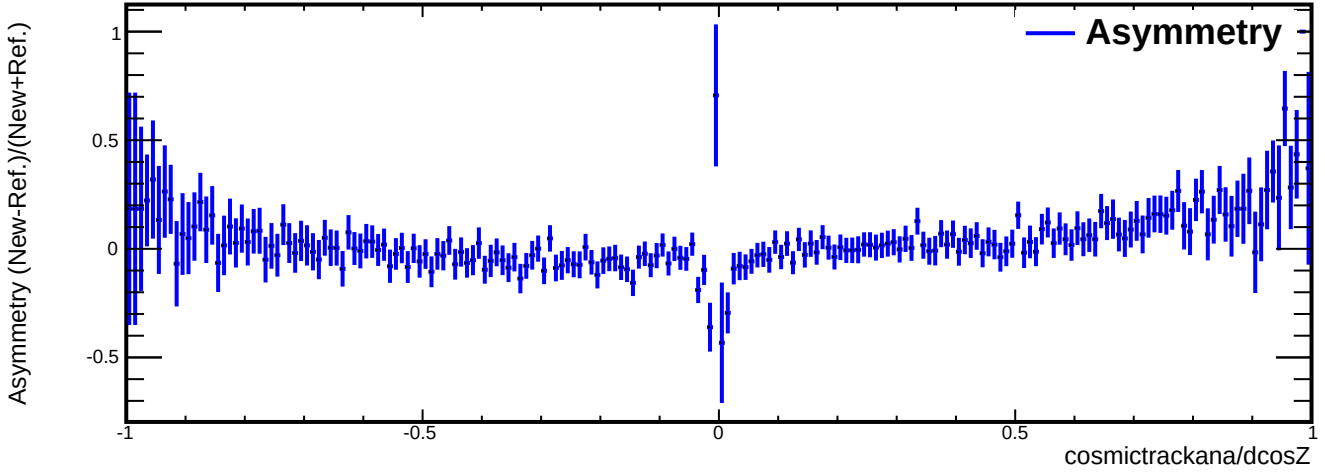

KS 1.00673e-05, chi2 4.45432e-18
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosX
2014-02-03
2014-02-04

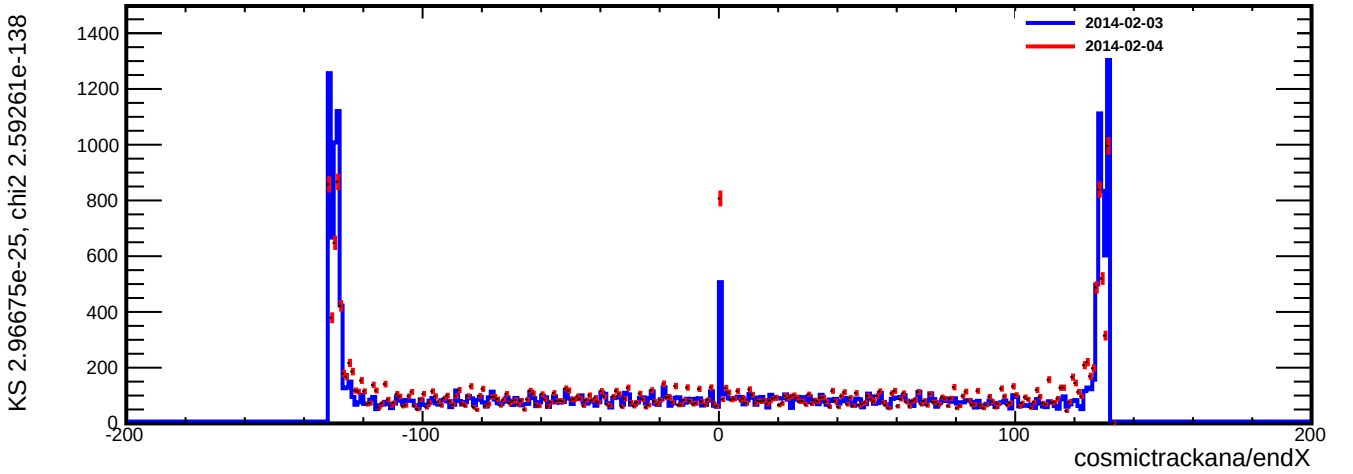

Asymmetry (New-Ref.)/(New+Ref.)
0.6
0.4
0.2
0
-0.2
-1
-0.5
0
0.5
1
cosmictrackana/dcosX
Asymmetry

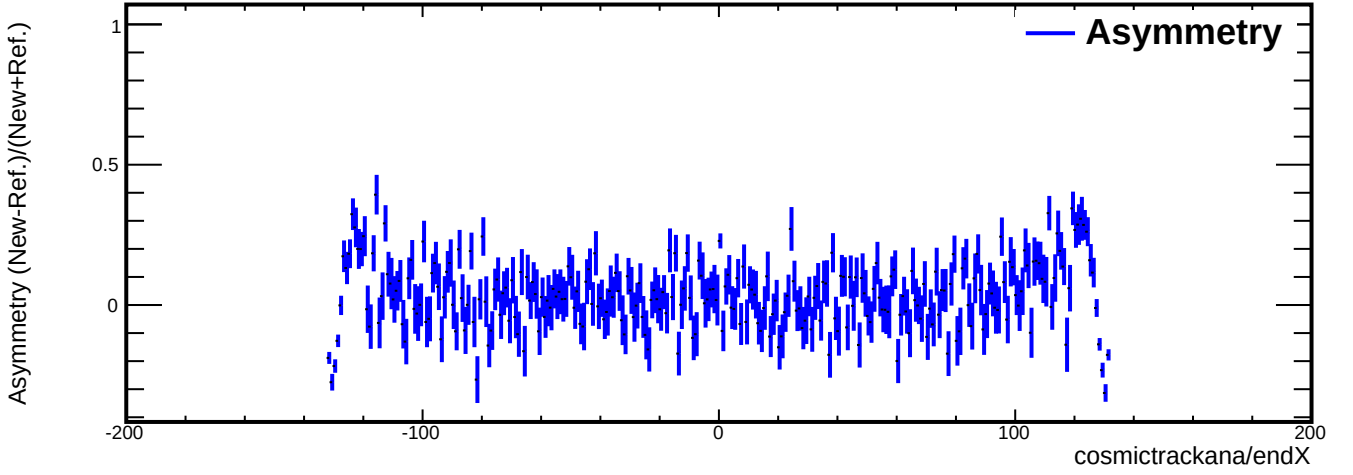

KS 3.54411e-34, chi2 3.03972e-143
2014-02-03
2014-02-04
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosY

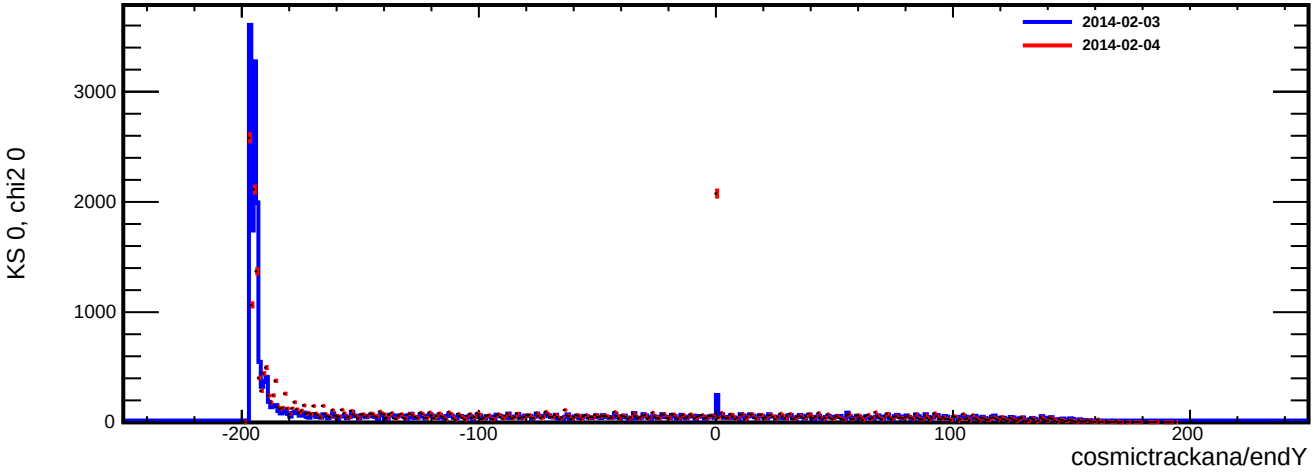

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dcosY

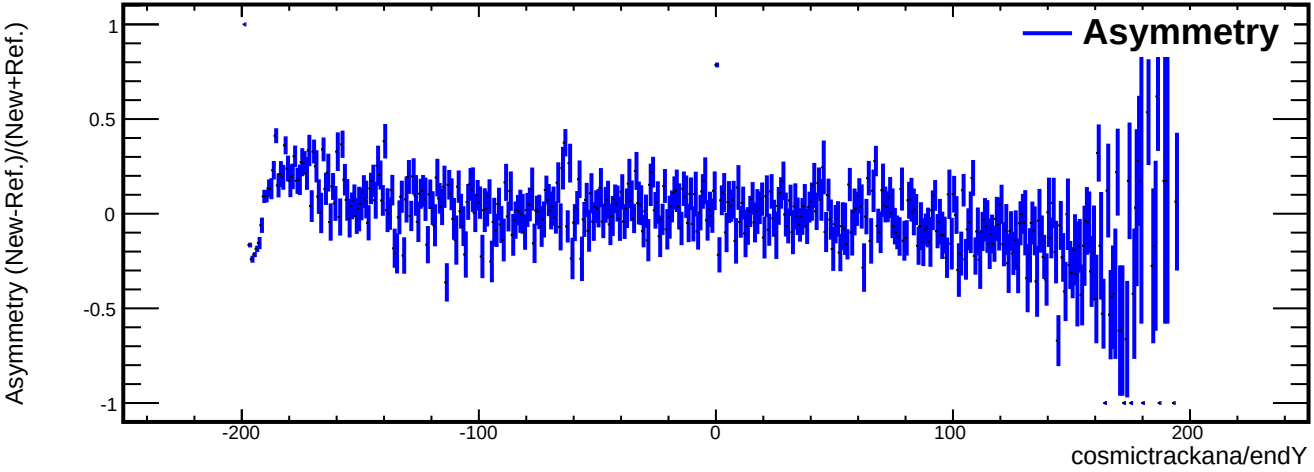

KS 3.30851e-14, chi2 0.0330956
2014-02-03
2014-02-04
150
100
50
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosZ

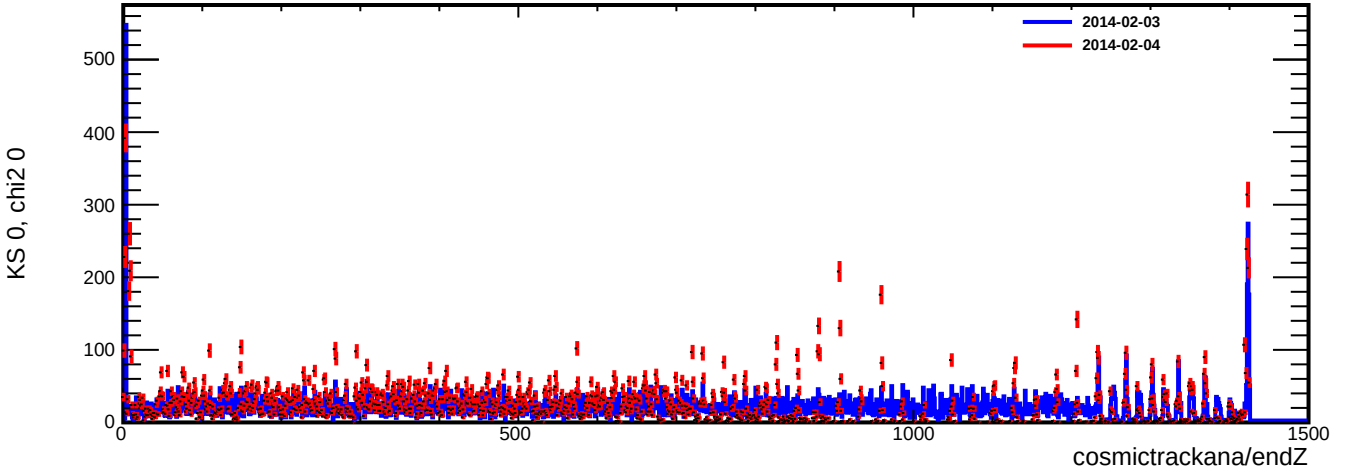

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dcosZ

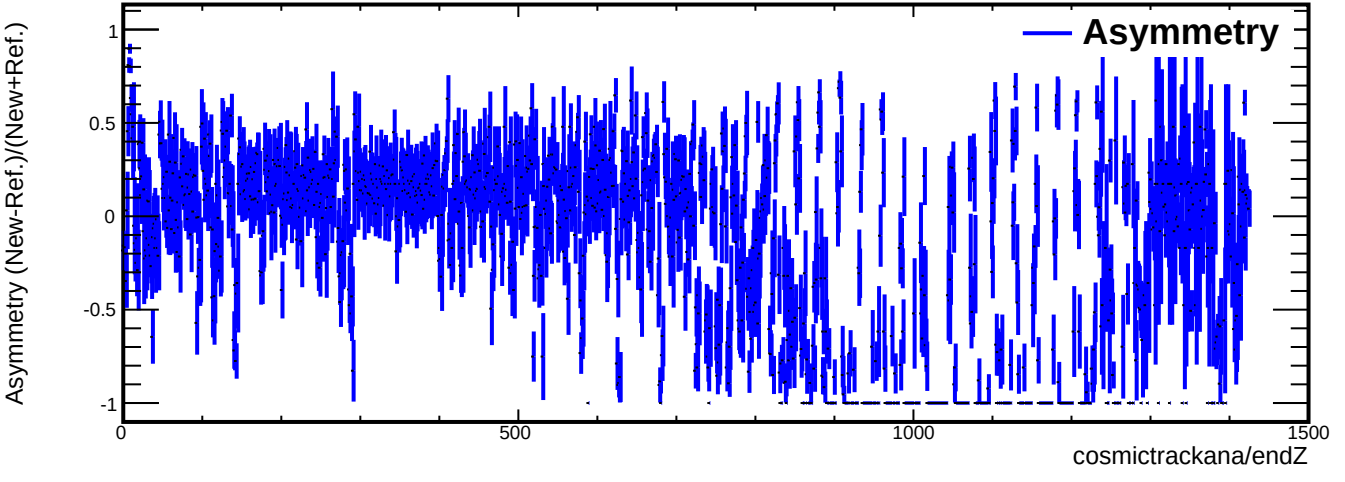

KS 2.96675e-25, chi2 2.59261e-138
2014-02-03
2014-02-04
1400
1200
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

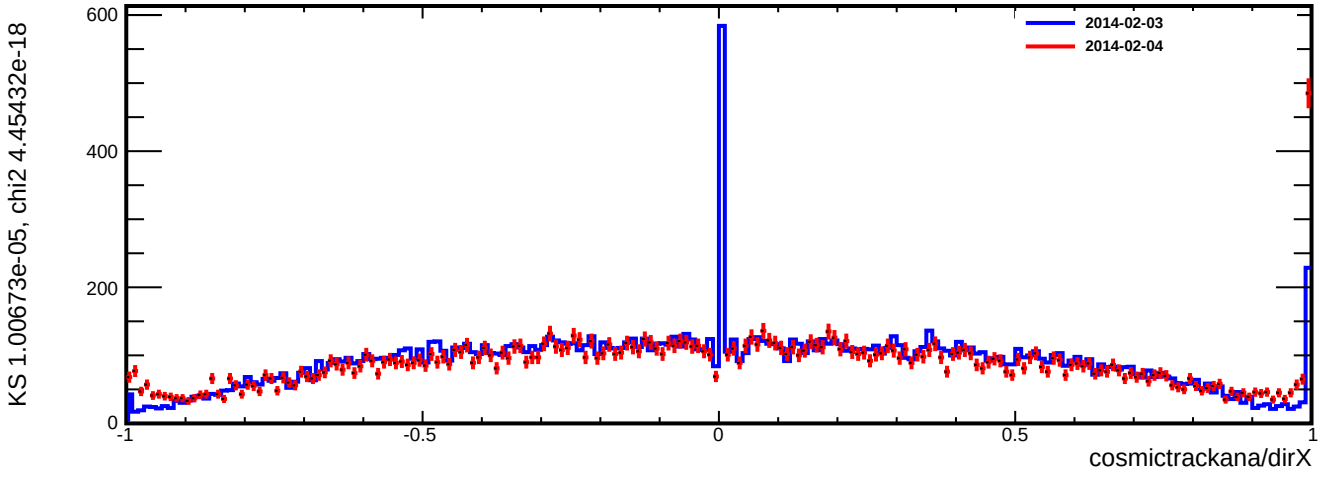

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-200
-100
0
100
200
cosmictrackana/endX

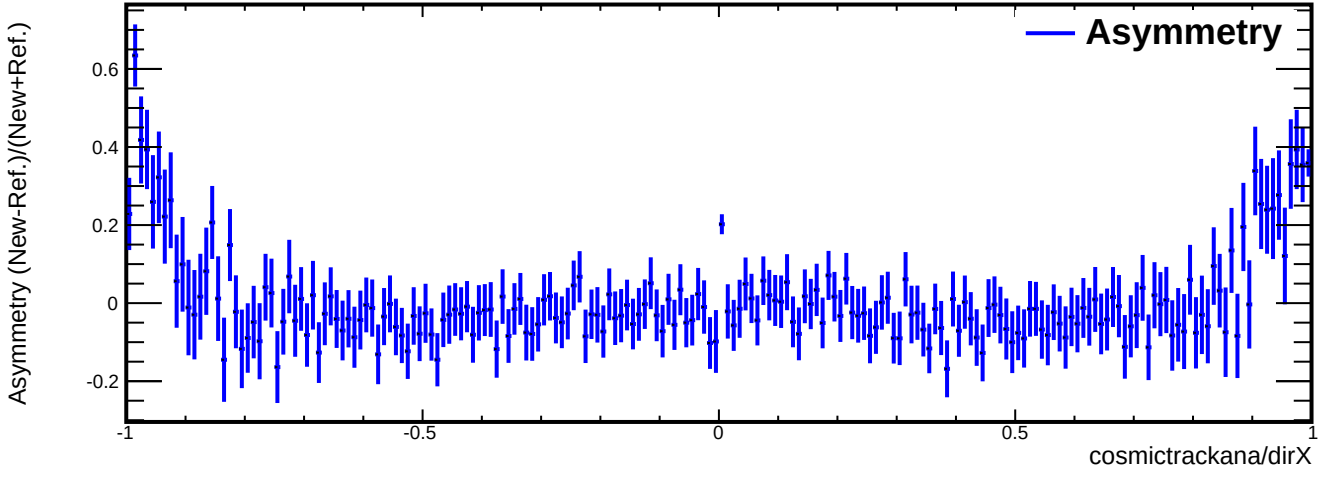

2014-02-03
2014-02-04
KS 0, chi2 0
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/endY

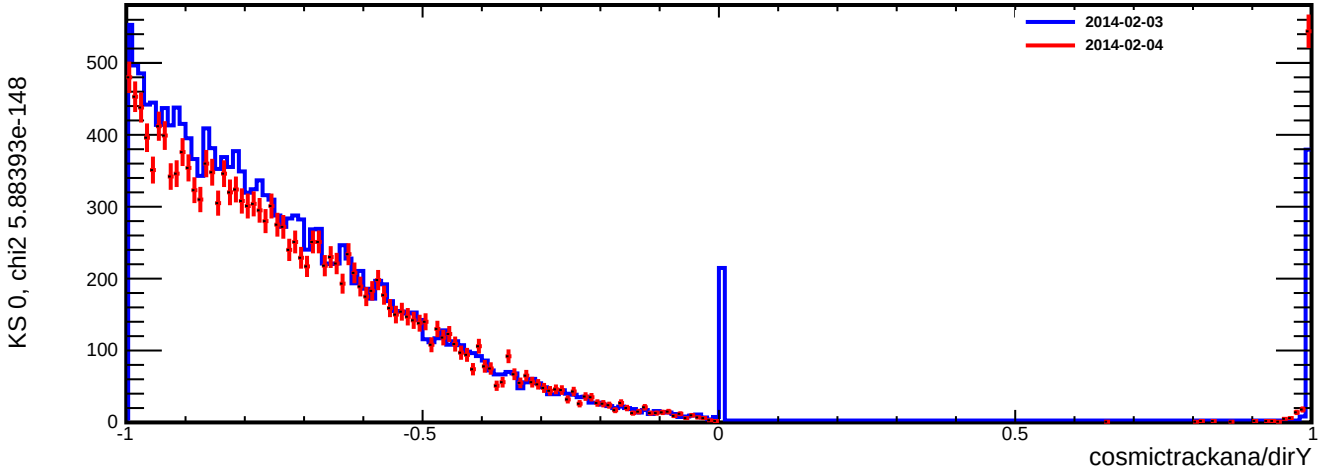

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

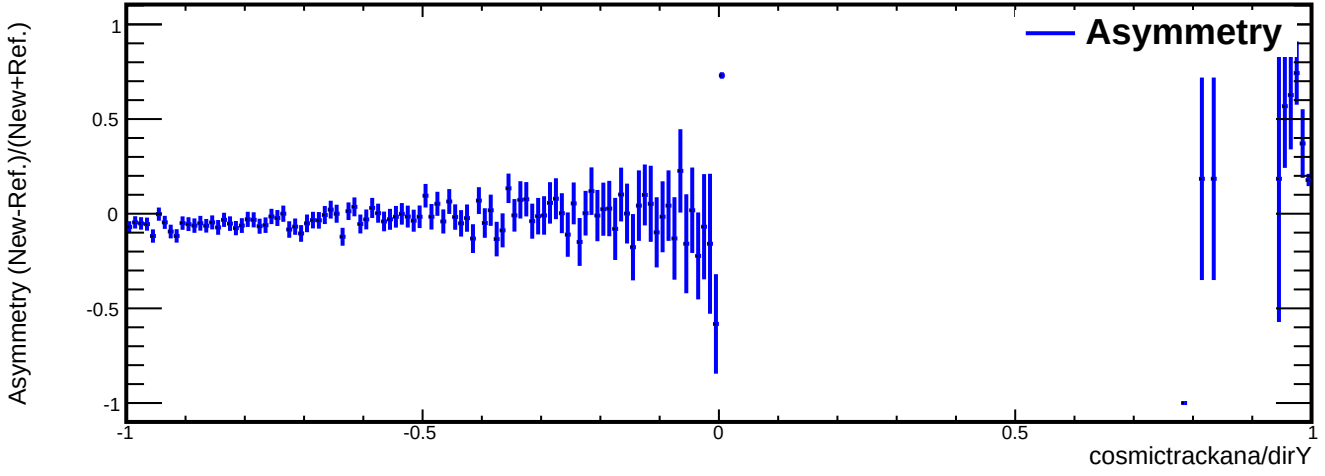

2014-02-03
2014-02-04
KS 0, chi2 0
500
400
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

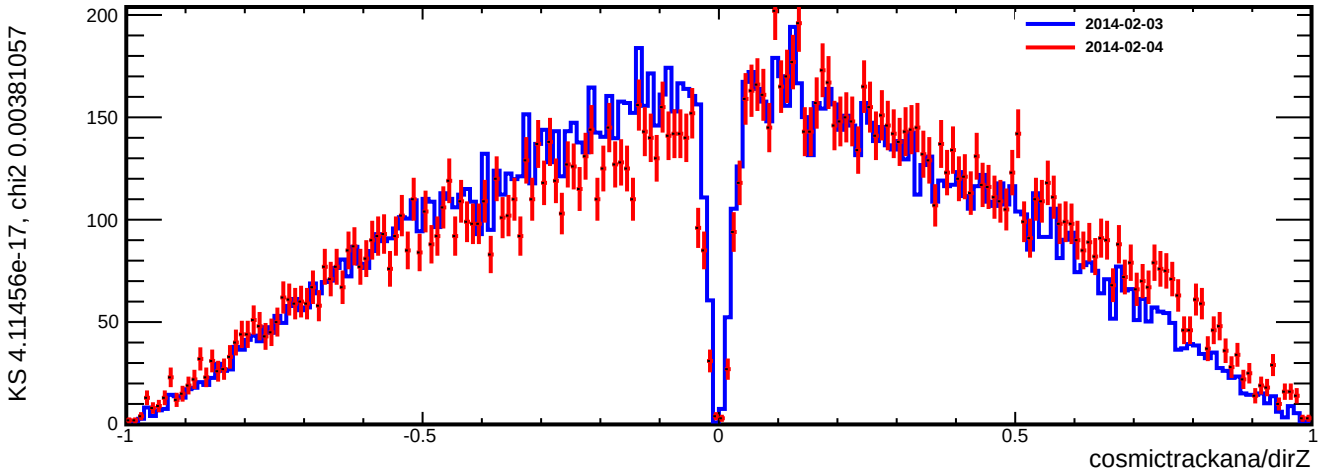

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

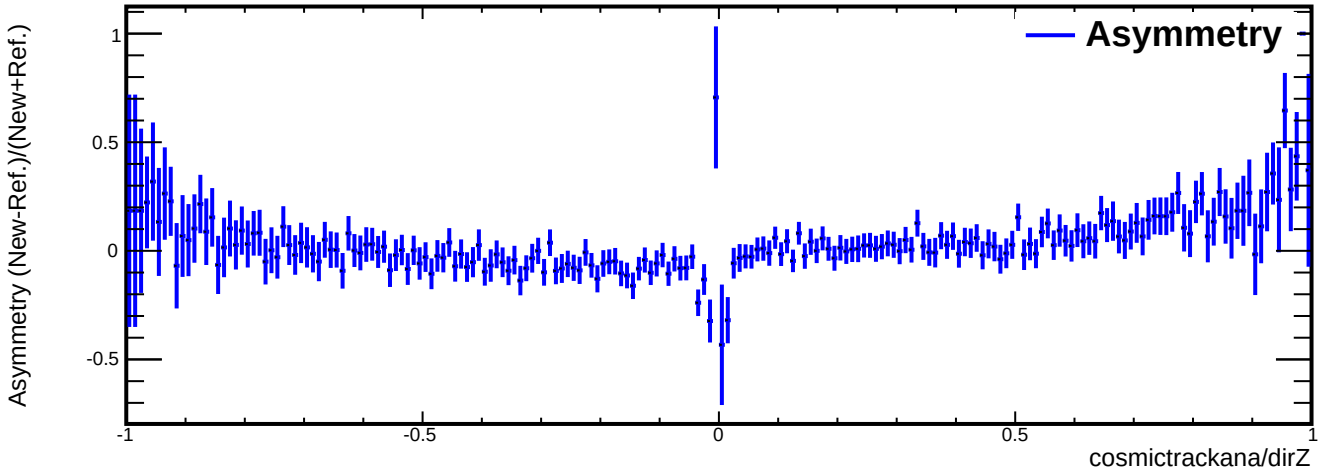

KS 1.00673e-05, chi2 4.45432e-18
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dirX
2014-02-03
2014-02-04

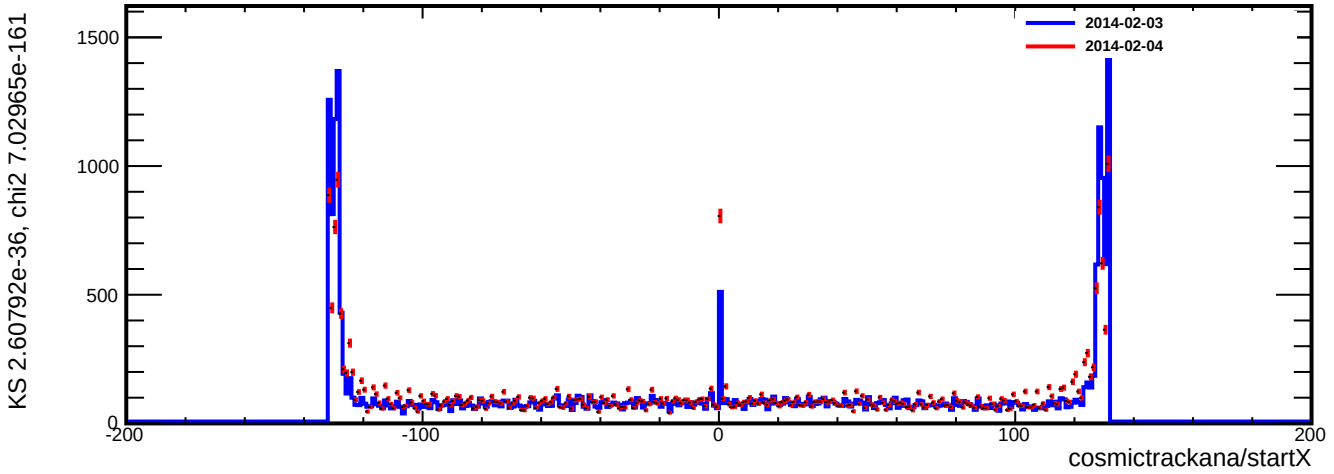

Asymmetry (New-Ref.)/(New+Ref.)
0.6
0.4
0.2
0
-0.2
-1
-0.5
0
0.5
1
cosmictrackana/dirX
Asymmetry

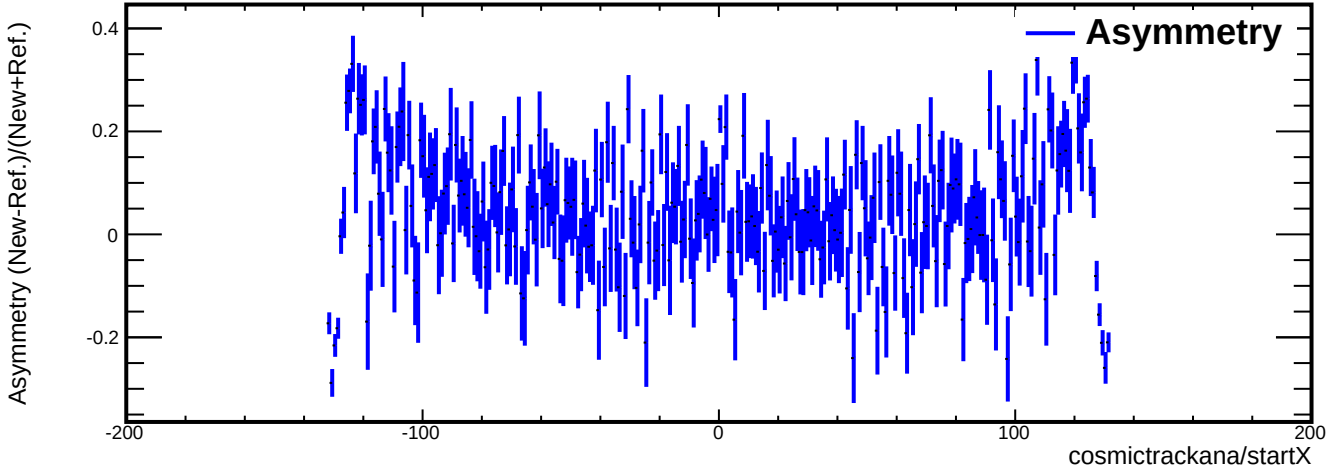

KS 0, chi2 5.88393e-148
2014-02-03
2014-02-04
500
400
300
200
100
0
-1
-0.5
0
0.5
1
cosmictrackana/dirY

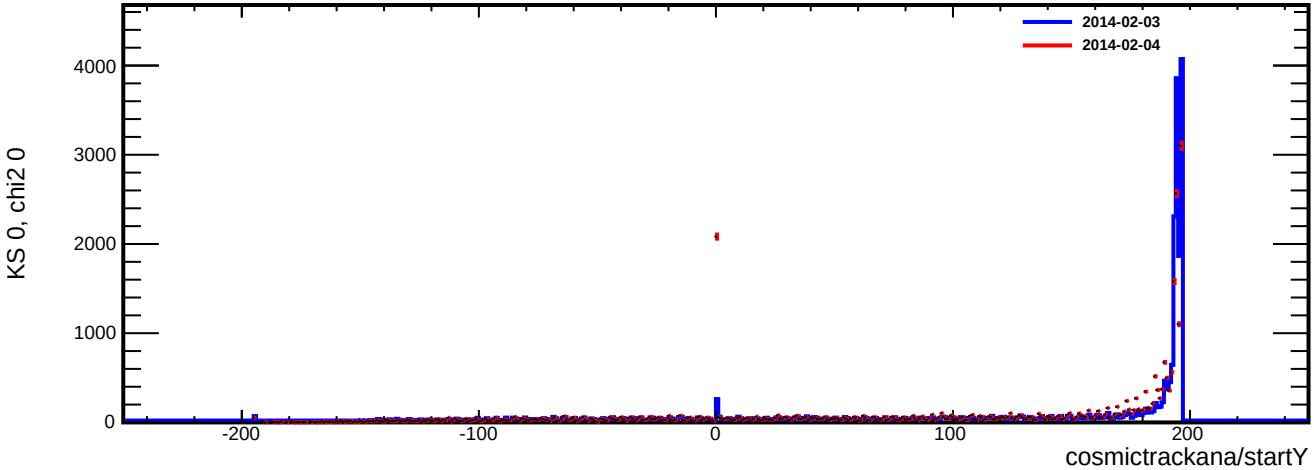

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
cosmictrackana/dirY

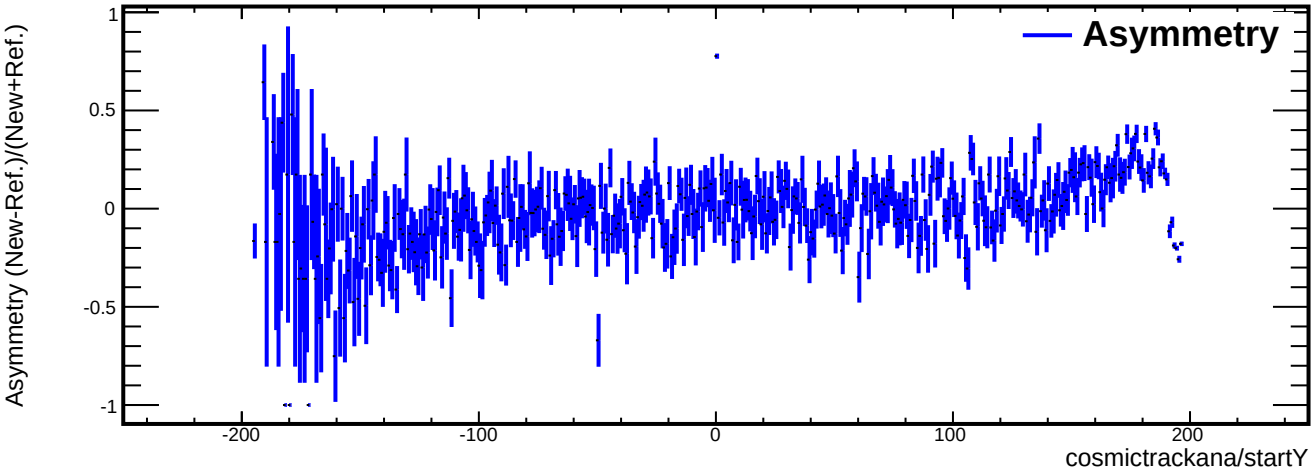

KS 4.11456e-17, chi2 0.00381057
2014-02-03
2014-02-04
200
150
100
50
0
-1
-0.5
0
0.5
1
cosmictrackana/dirZ

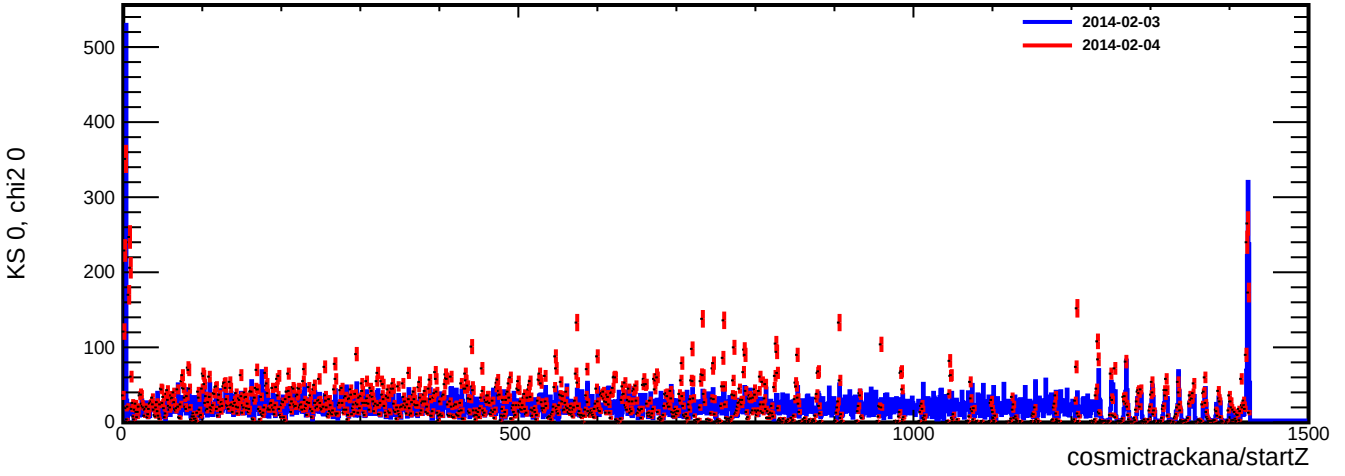

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dirZ

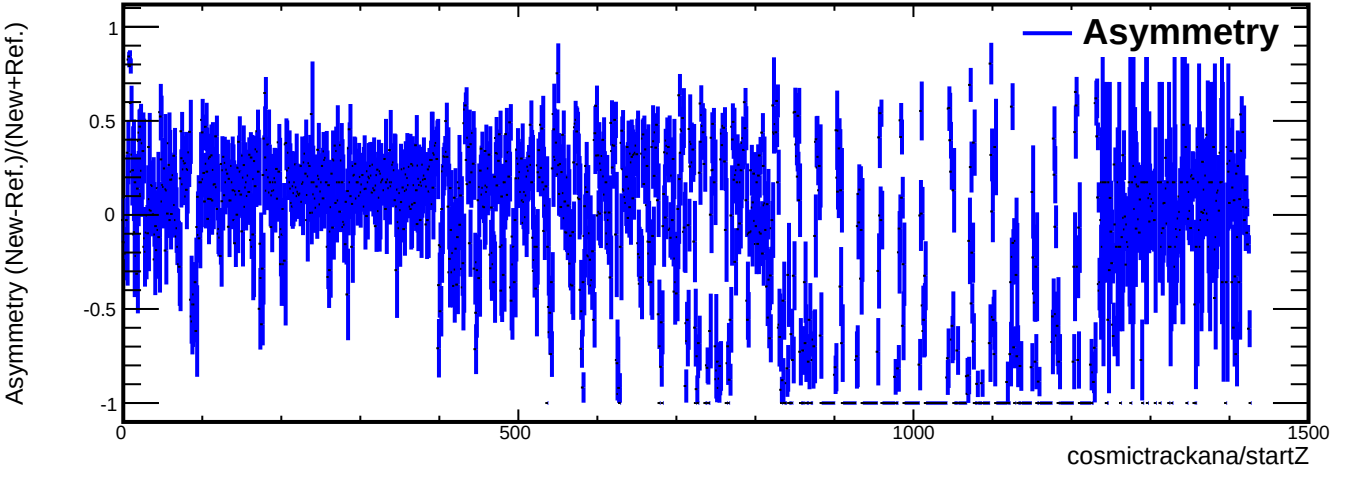

KS 2.60792e-36, chi2 7.02965e-161
2014-02-03
2014-02-04
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/startX

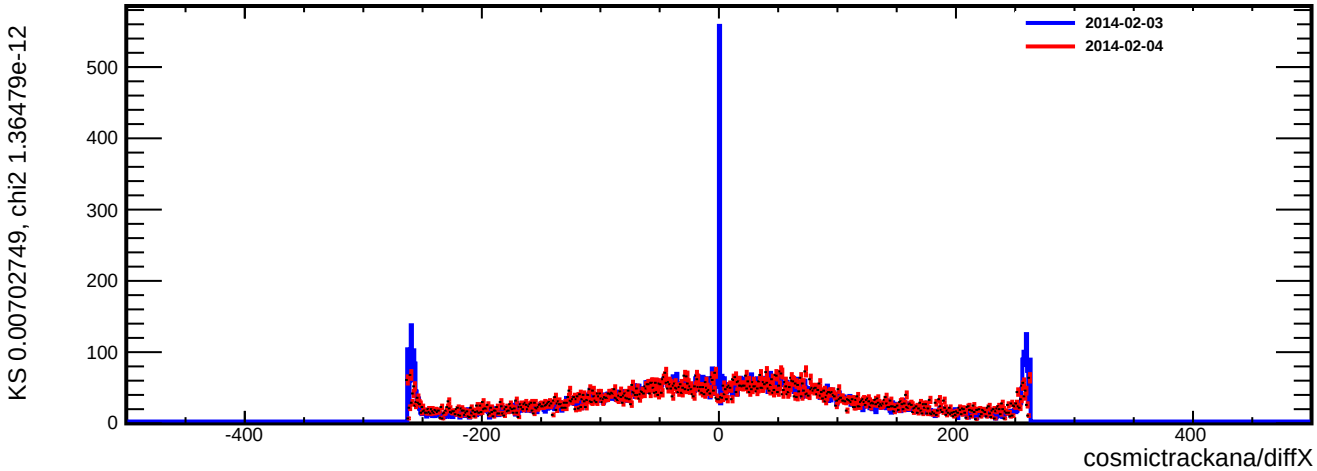

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-200
-100
0
100
200
cosmictrackana/startX

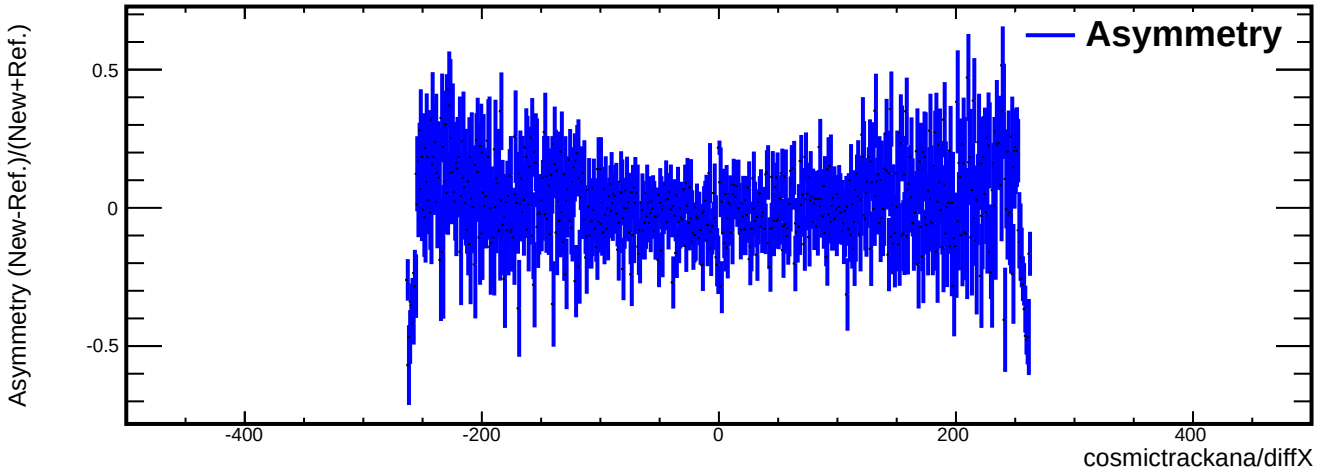

2014-02-03
2014-02-04
KS 0, chi2 0
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

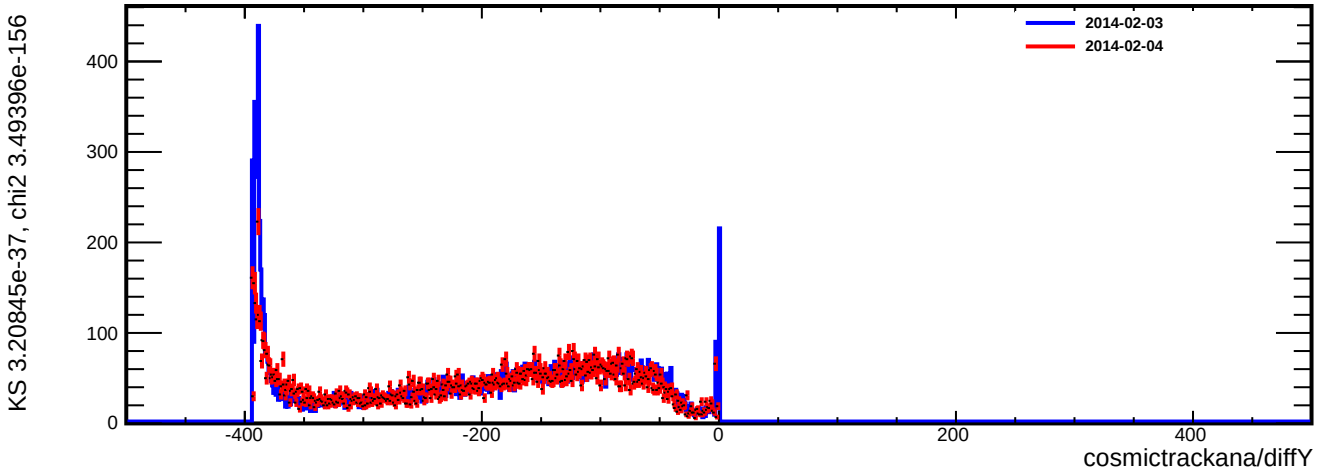

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

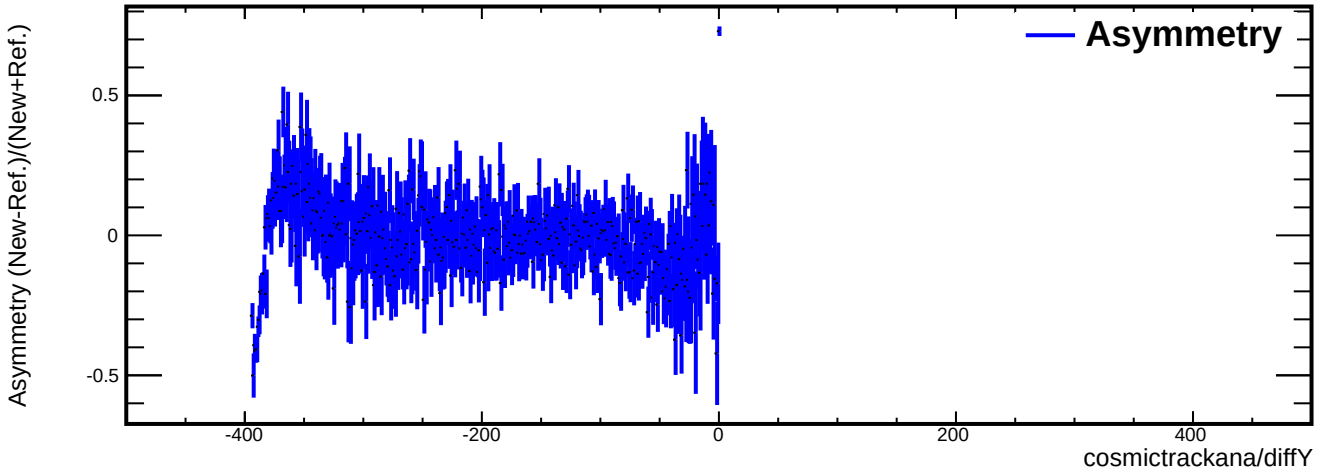

2014-02-03
2014-02-04
KS 0, chi2 0
cosmictrackana/startZ
0
100
200
300
400
500
0
500
1000
1500

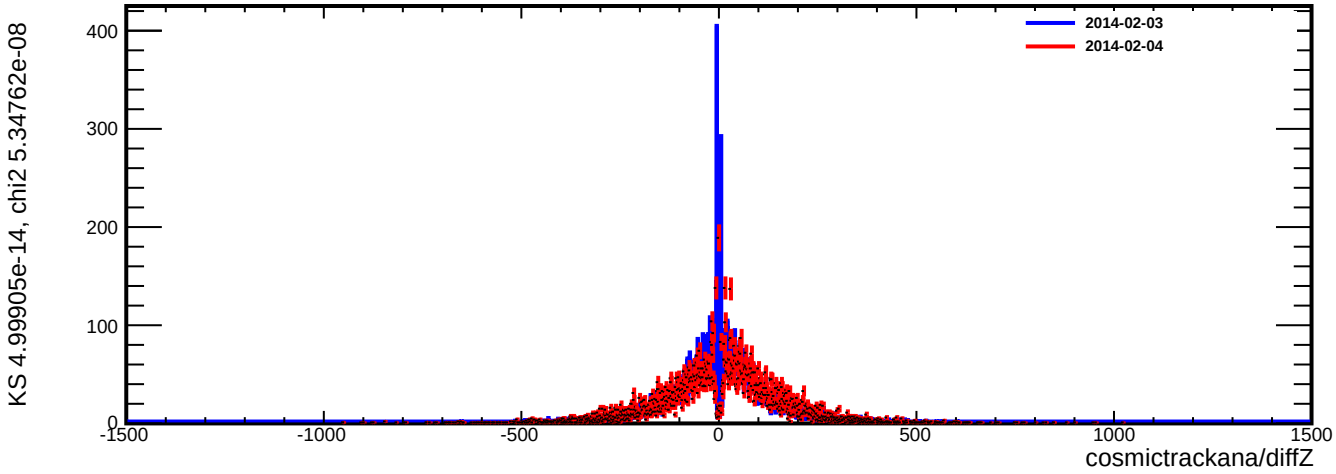

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
cosmictrackana/startZ
1
0.5
0
-0.5
-1
0
500
1000
1500

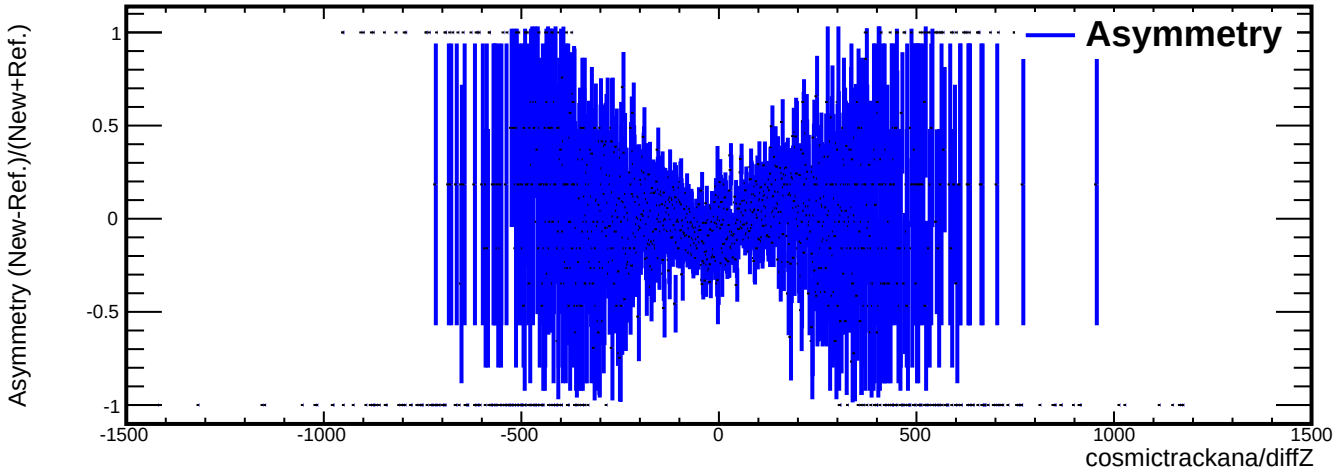

KS 0.00702749, chi2 1.36479e-12
2014-02-03
2014-02-04
500
400
300
200
100
0
-400
-200
0
200
400
cosmictrackana/diffX

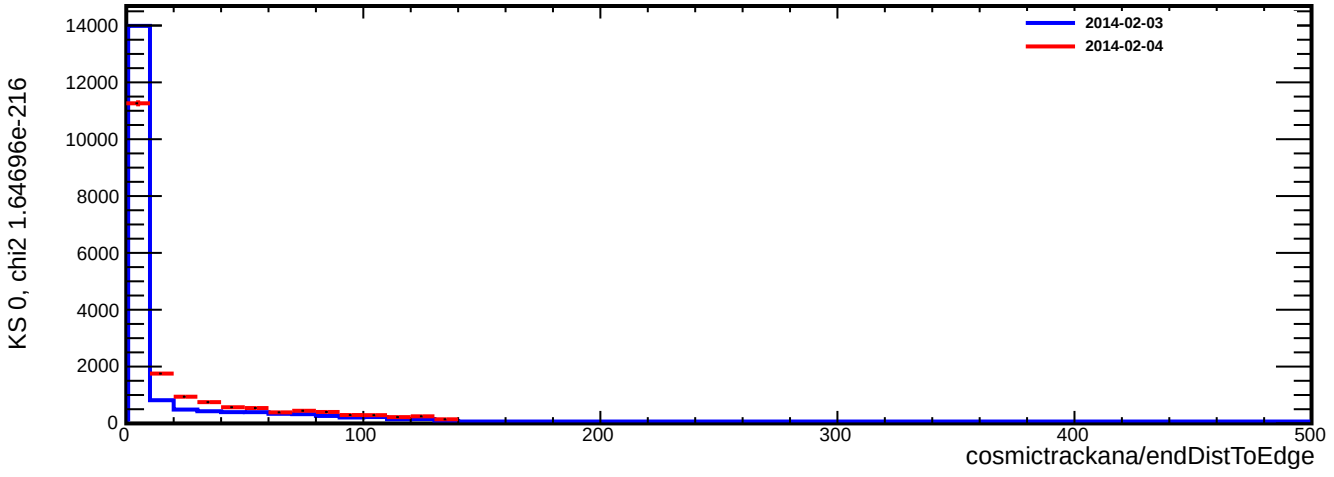

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-400
-200
0
200
400
cosmictrackana/diffX

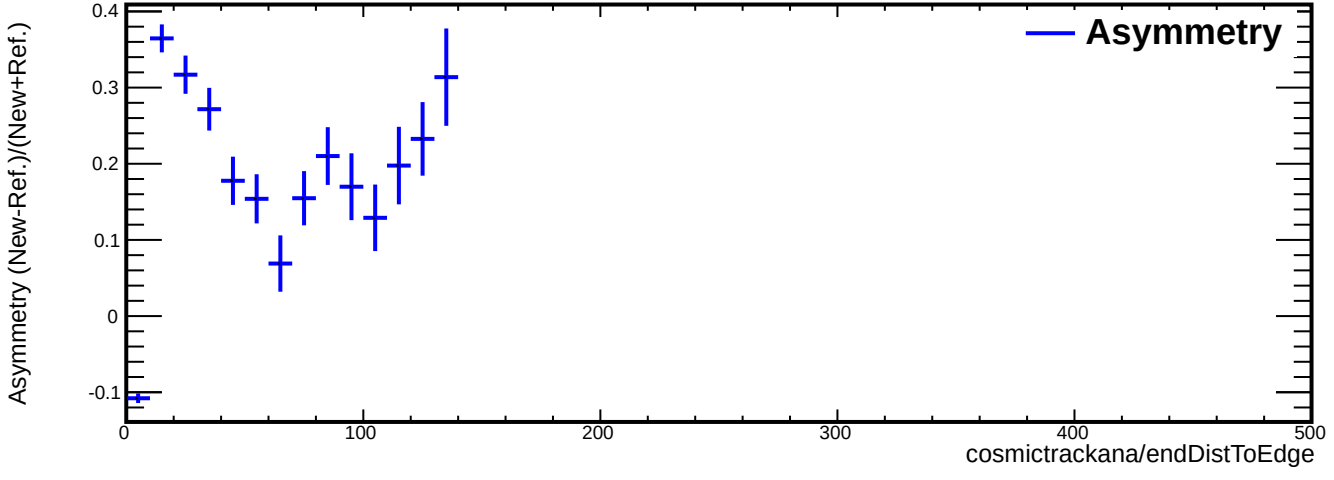

KS 3.20845e-37, chi2 3.49396e-156
2014-02-03
2014-02-04
400
300
200
100
0
-400
-200
0
200
400
cosmictrackana/diffY

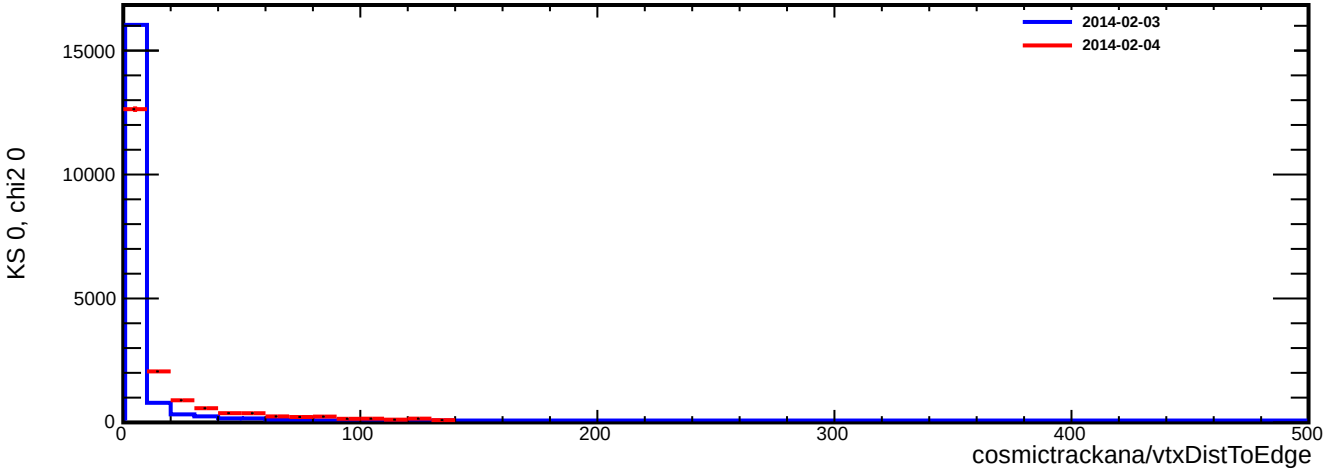

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-400
-200
0
200
400
cosmictrackana/diffY

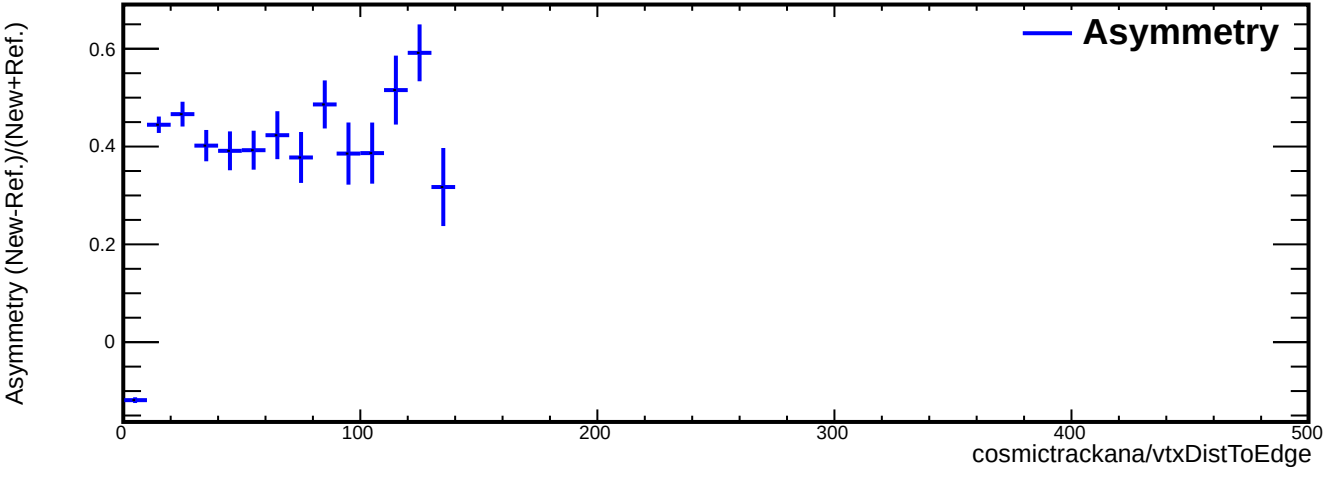

KS 4.99905e-14, chi2 5.34762e-08
2014-02-03
2014-02-04
400
300
200
100
0
-1500
-1000
-500
0
500
1000
1500
cosmictrackana/diffZ

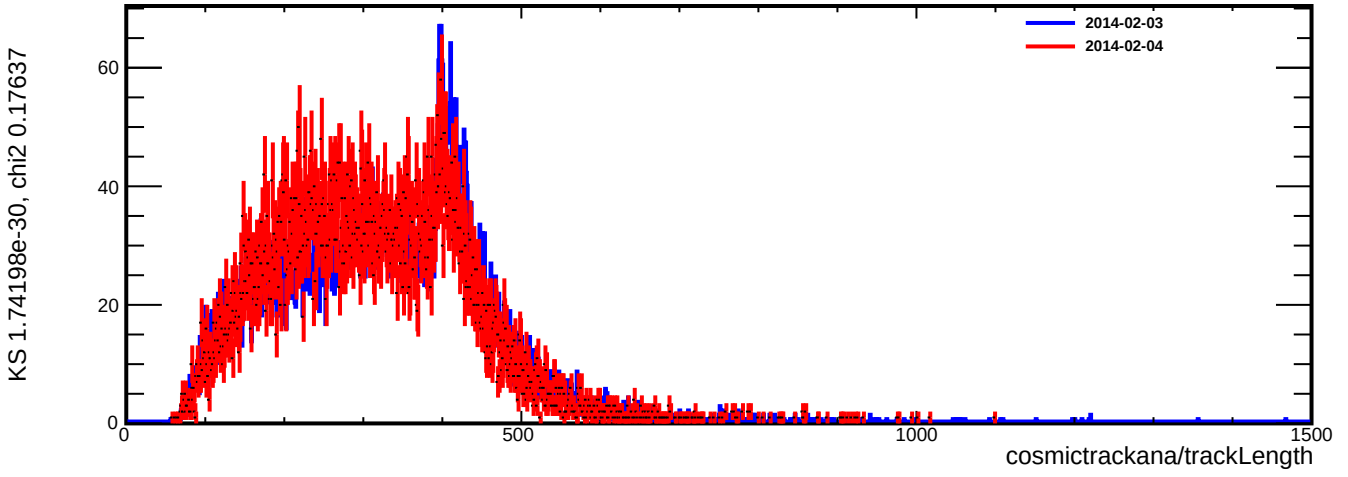

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1500
-1000
-500
0
500
1000
1500
cosmictrackana/diffZ

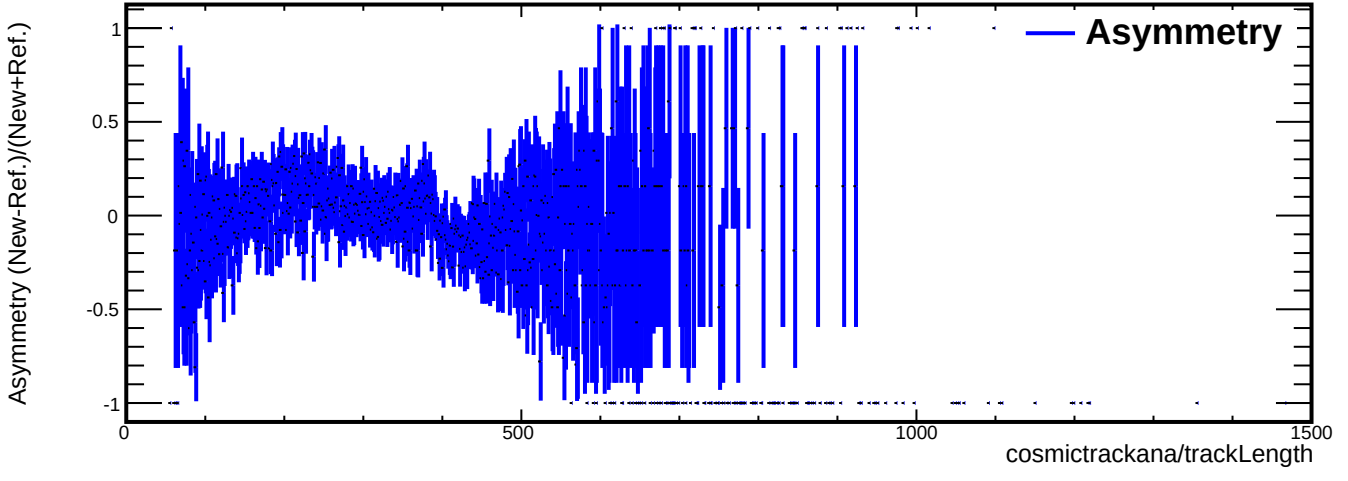

KS 0, chi2 1.64696e-216
2014-02-03
2014-02-04
cosmictrackana/endDistToEdge

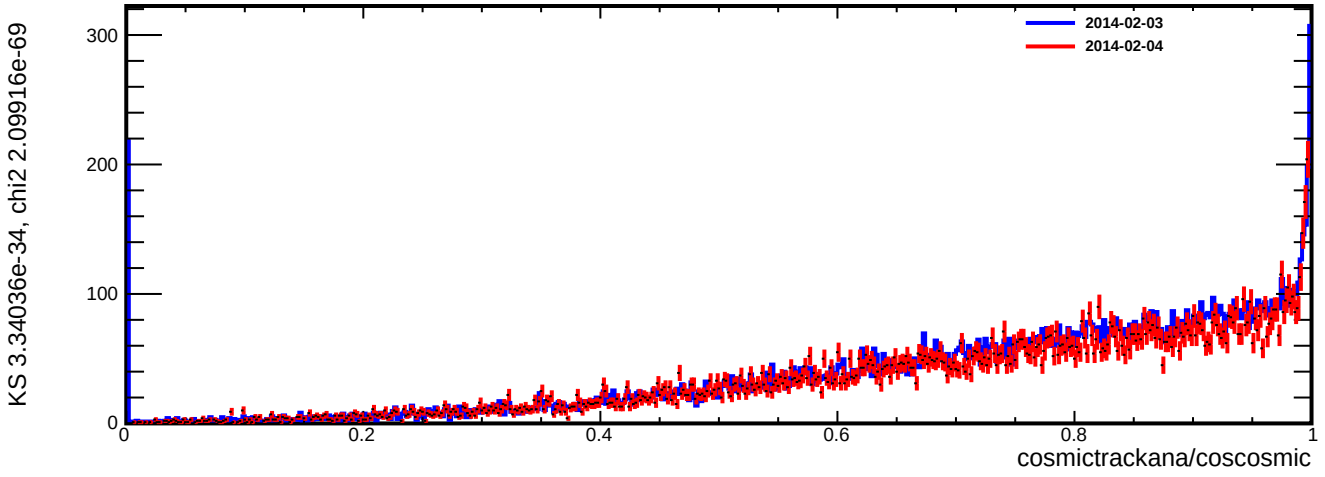

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/endDistToEdge

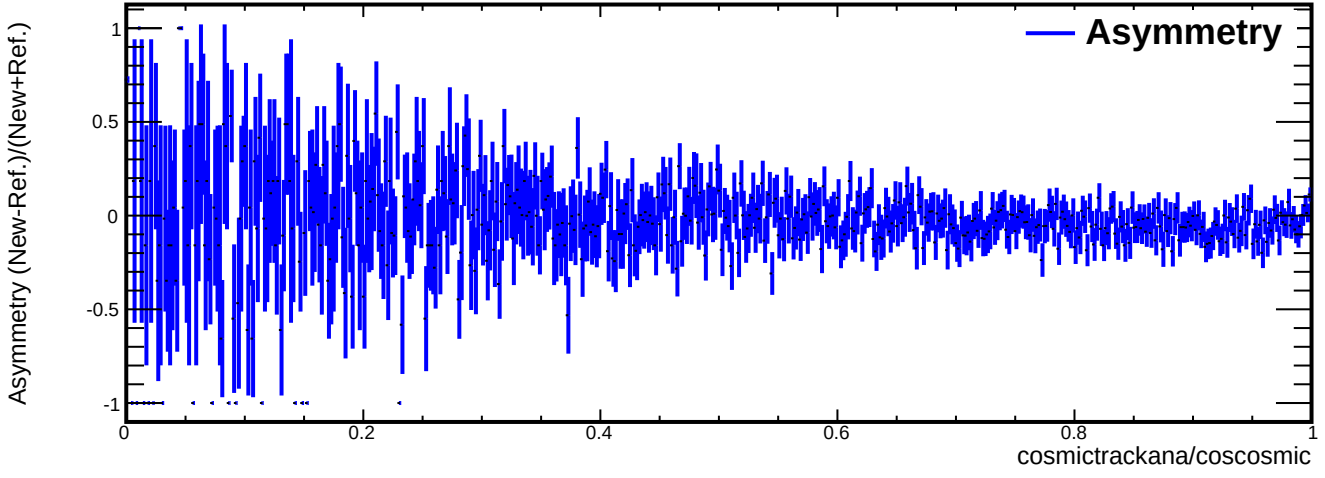

2014-02-03
2014-02-04
KS 0, chi2 0
15000
10000
5000
0
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

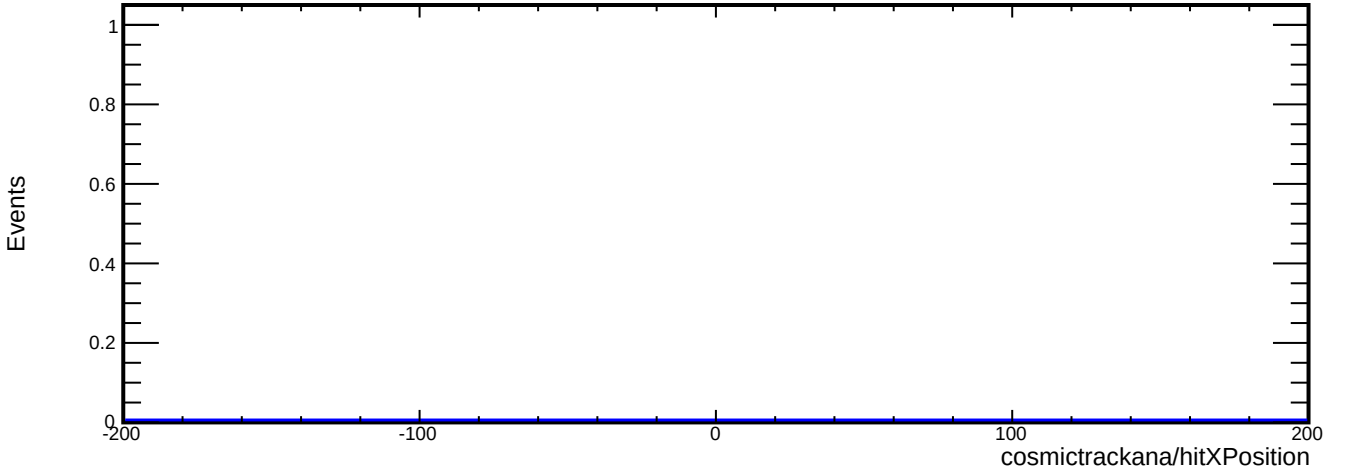

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.6
0.4
0.2
0
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

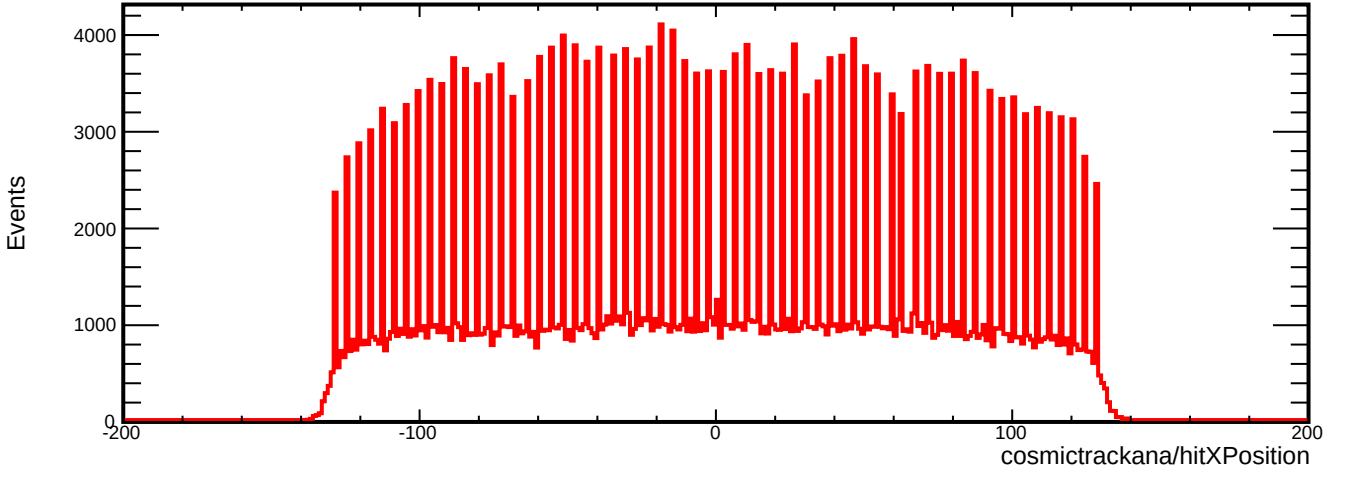

KS 1.74198e-30, chi2 0.17637
2014-02-03
2014-02-04
0
20
40
60
0
500
1000
1500
cosmictrackana/trackLength

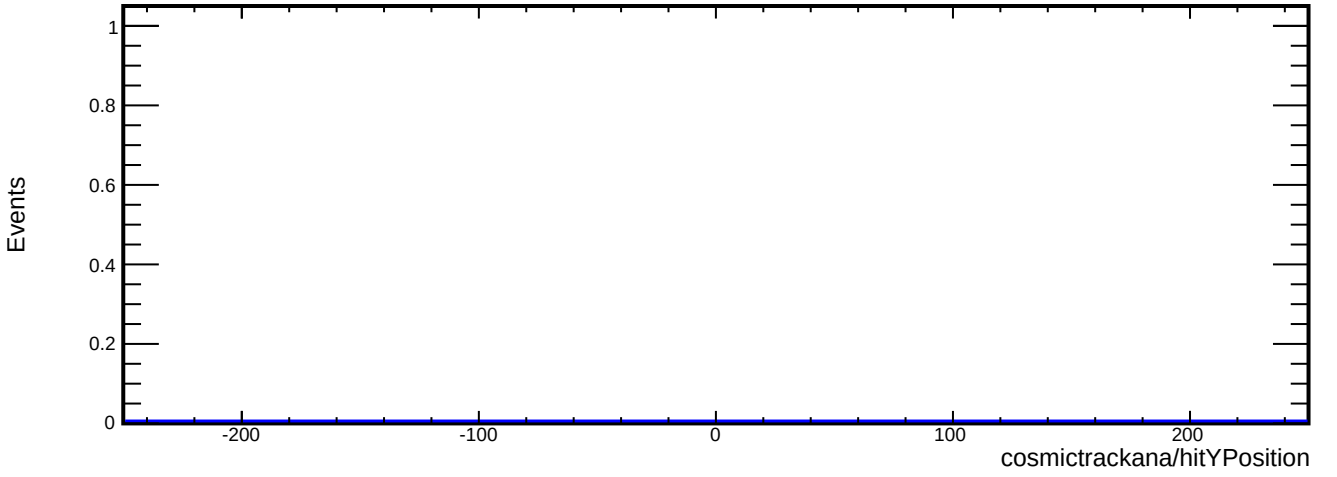

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/trackLength

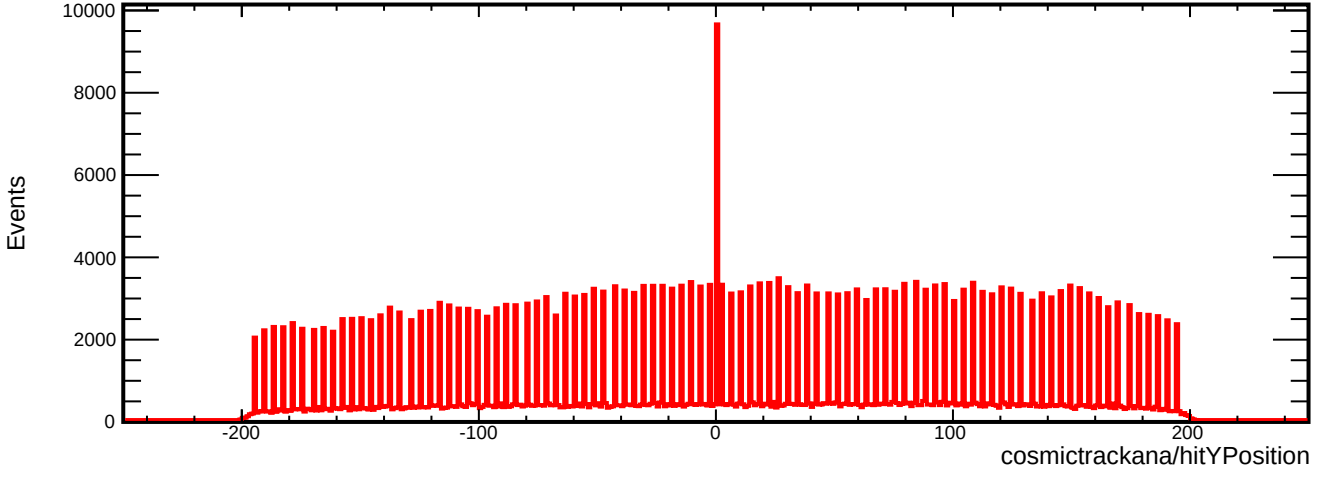

KS 3.34036e-34, chi2 2.09916e-69
2014-02-03
2014-02-04
300
200
100
0
0
0.2
0.4
0.6
0.8
1
cosmictrackana/coscosmic

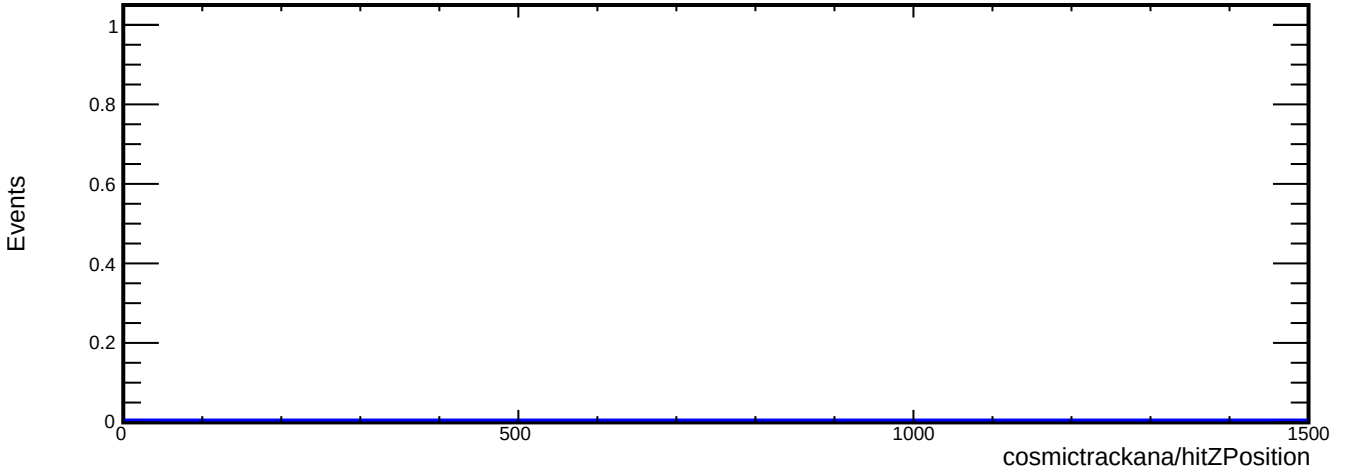

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
0.2
0.4
0.6
0.8
1
cosmictrackana/coscosmic

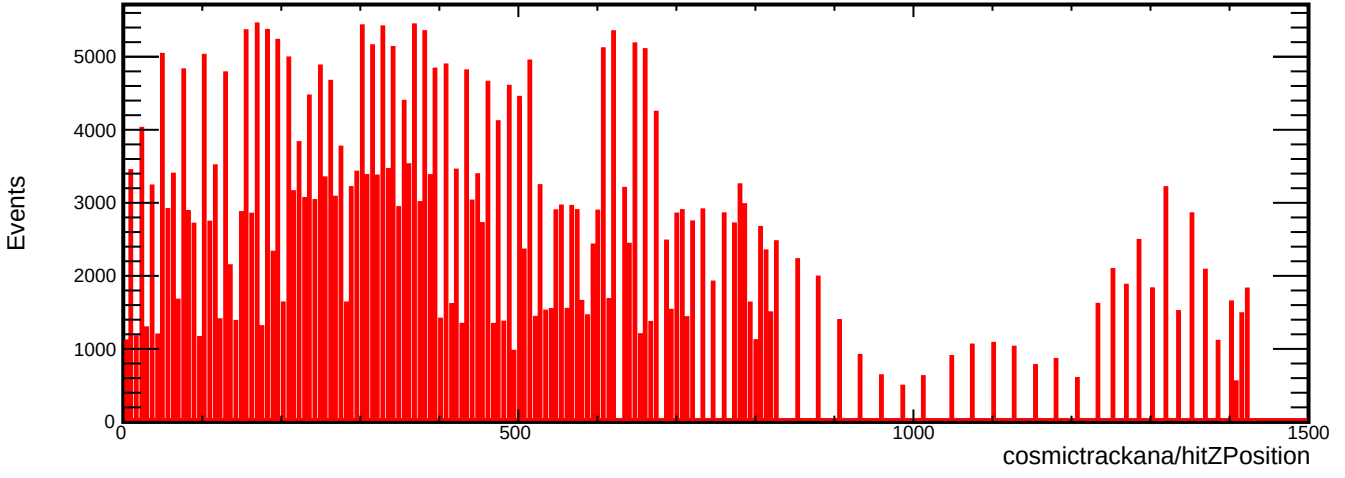

Events
1
0.8
0.6
0.4
0.2
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

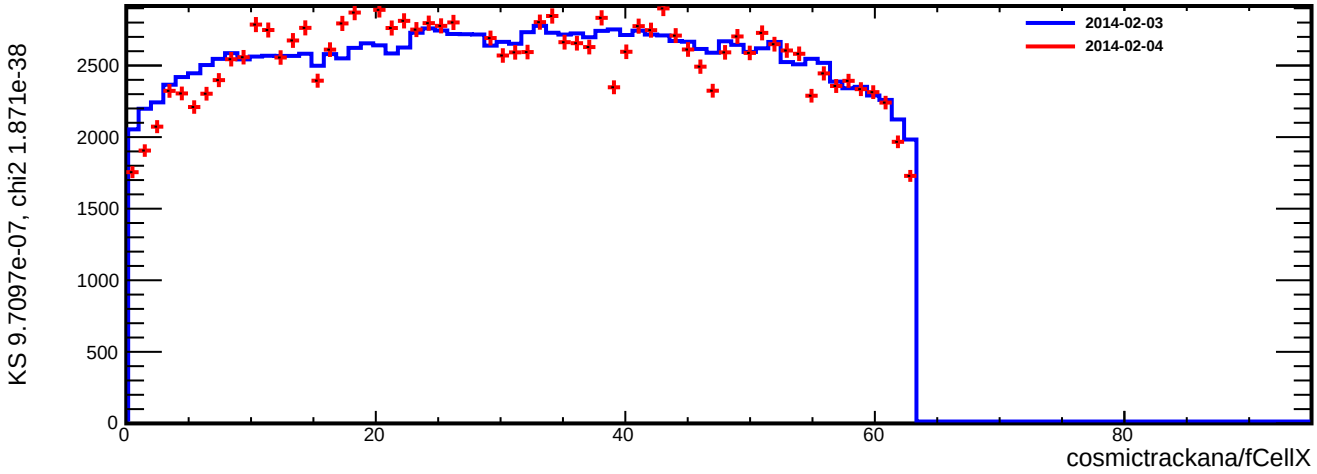

Events
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

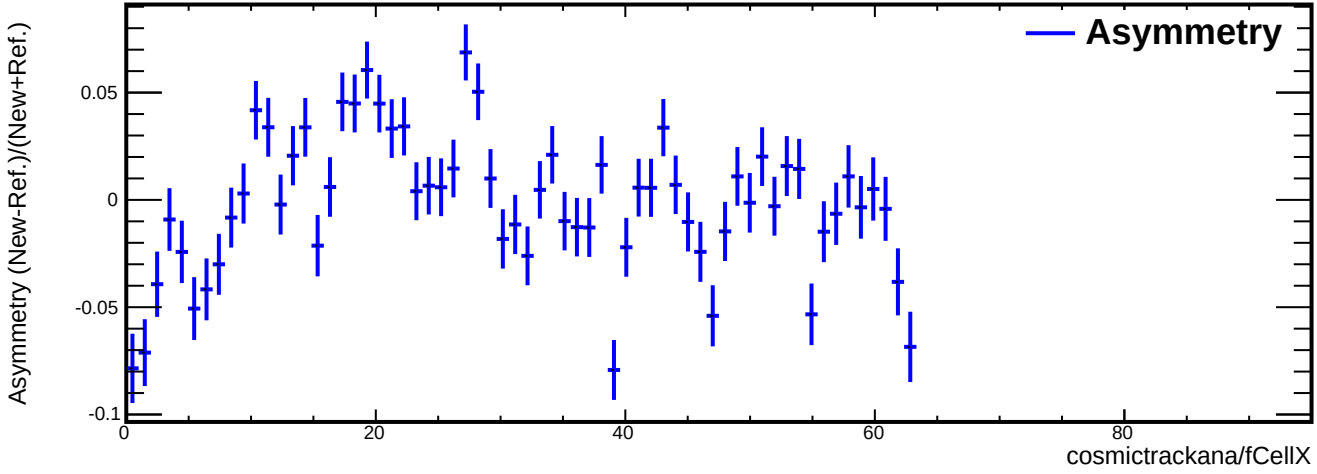

Events
1
0.8
0.6
0.4
0.2
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

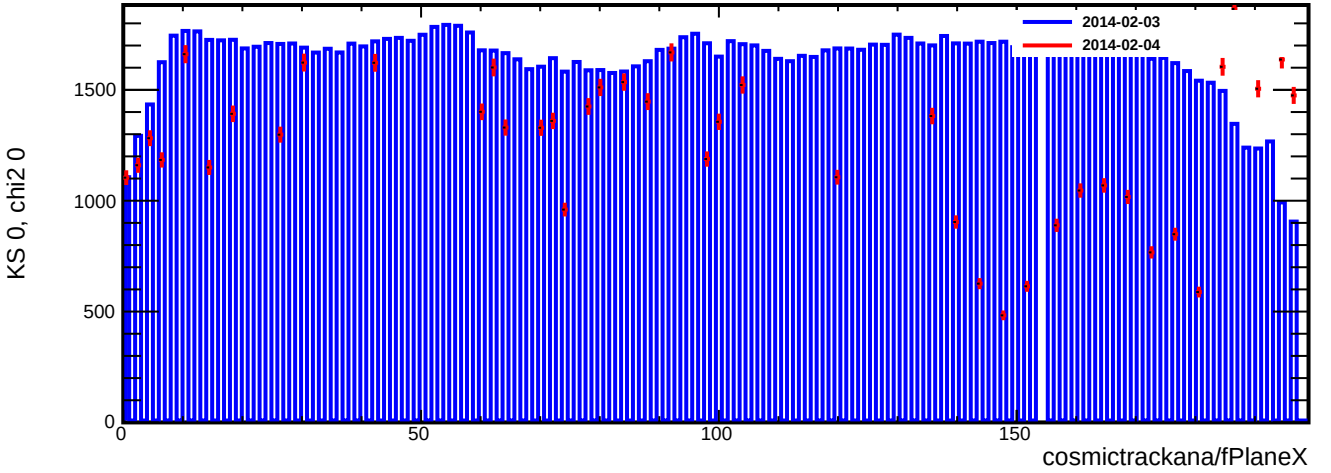

Events
10000
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

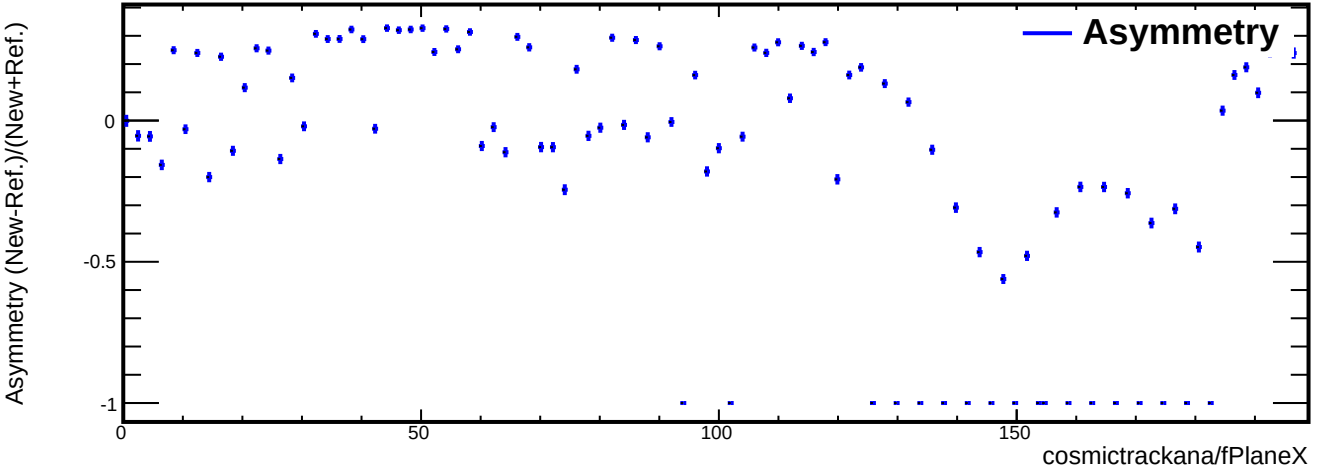

Events
1
0.8
0.6
0.4
0.2
0
0
500
1000
1500
cosmictrackana/hitZPosition

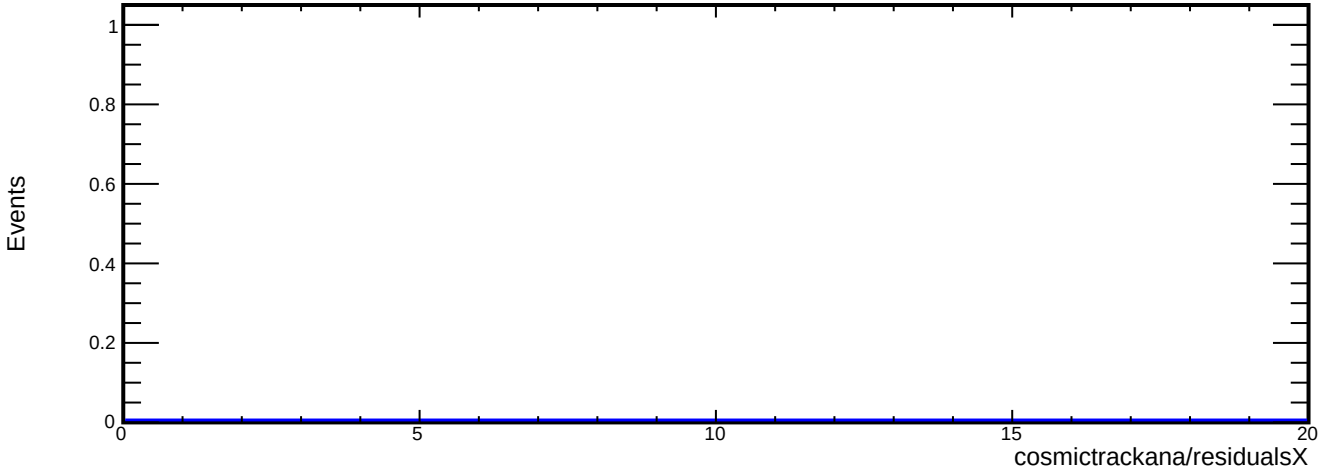

Events
5000
4000
3000
2000
1000
0
0
500
1000
1500
cosmictrackana/hitZPosition

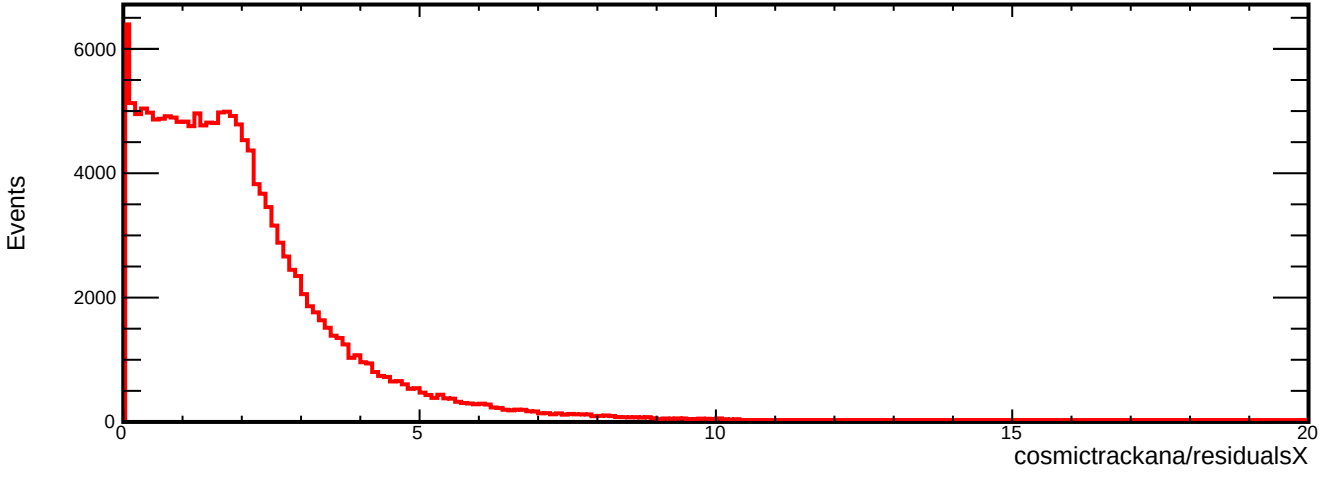

KS 9.7097e-07, chi2 1.871e-38
2014-02-03
2014-02-04
2500
2000
1500
1000
500
0
0
20
40
60
80
cosmictrackana/fCellX

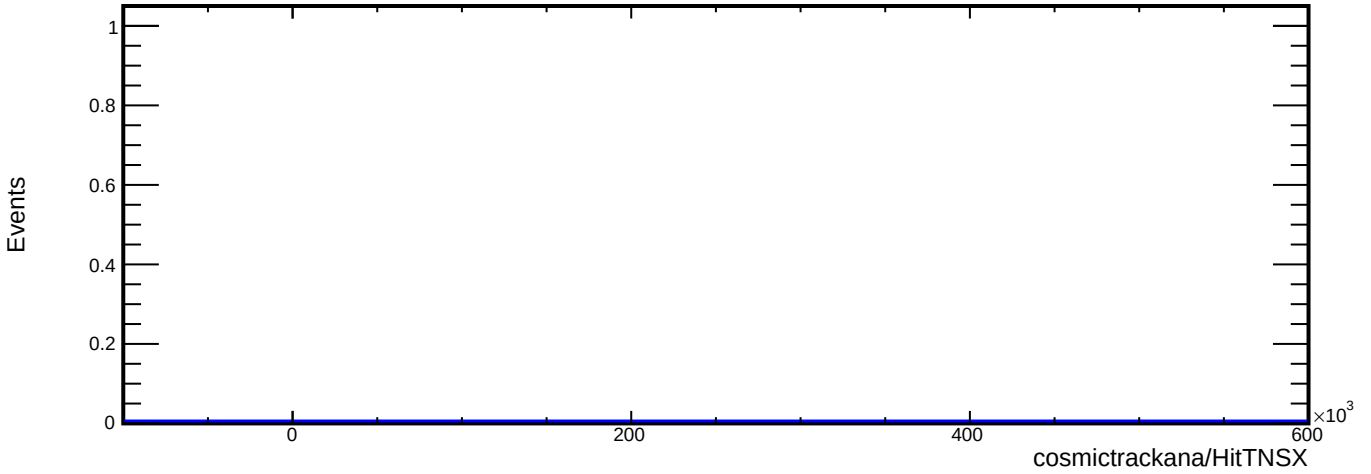

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
0
20
40
60
80
cosmictrackana/fCellX

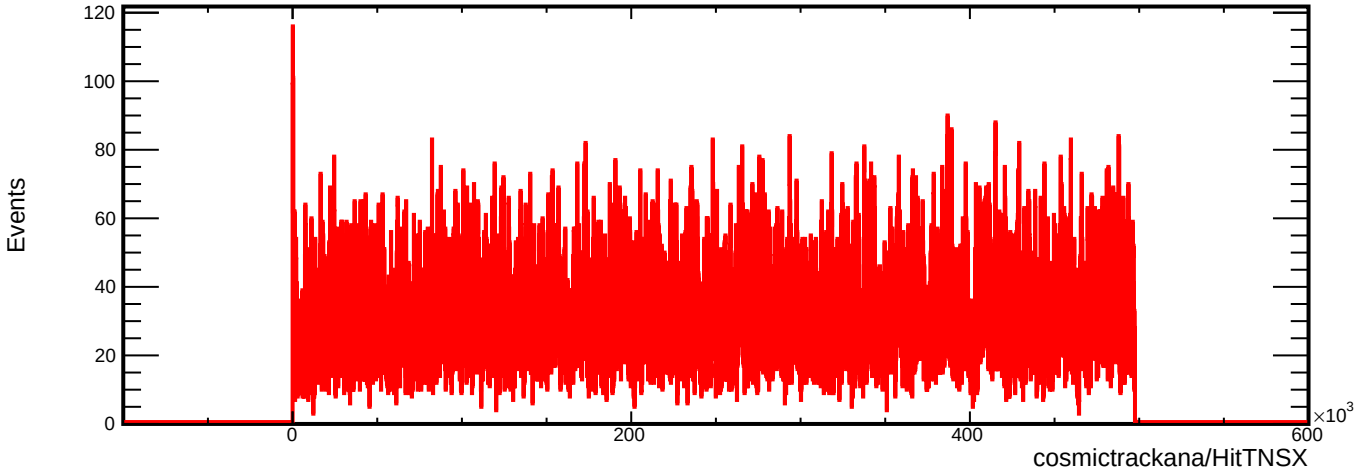

2014-02-03
2014-02-04
KS 0, chi2 0
1500
1000
500
0
0
50
100
150
cosmictrackana/fPlaneX

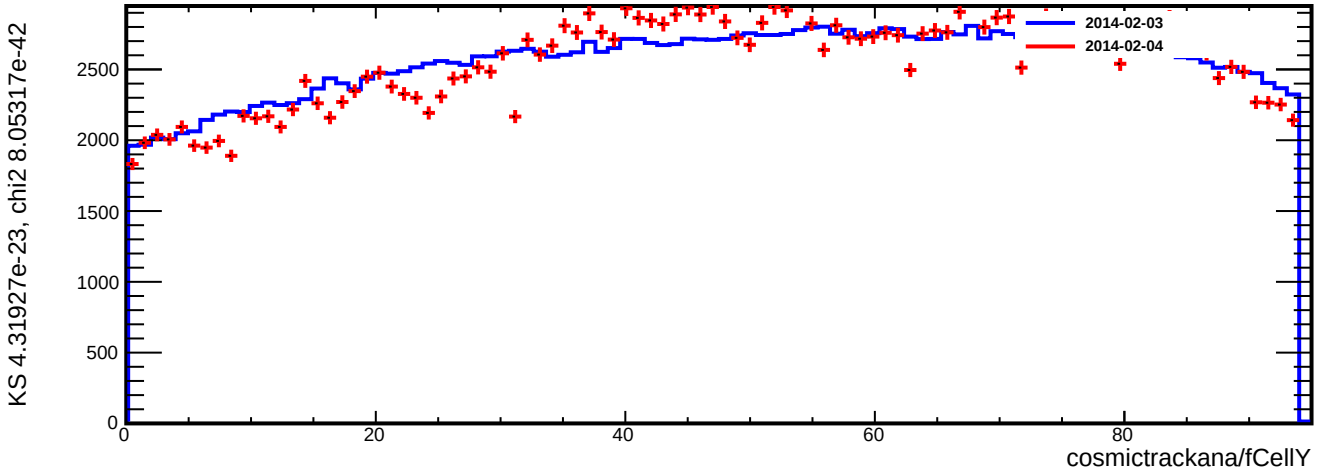

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
0
50
100
150
cosmictrackana/fPlaneX

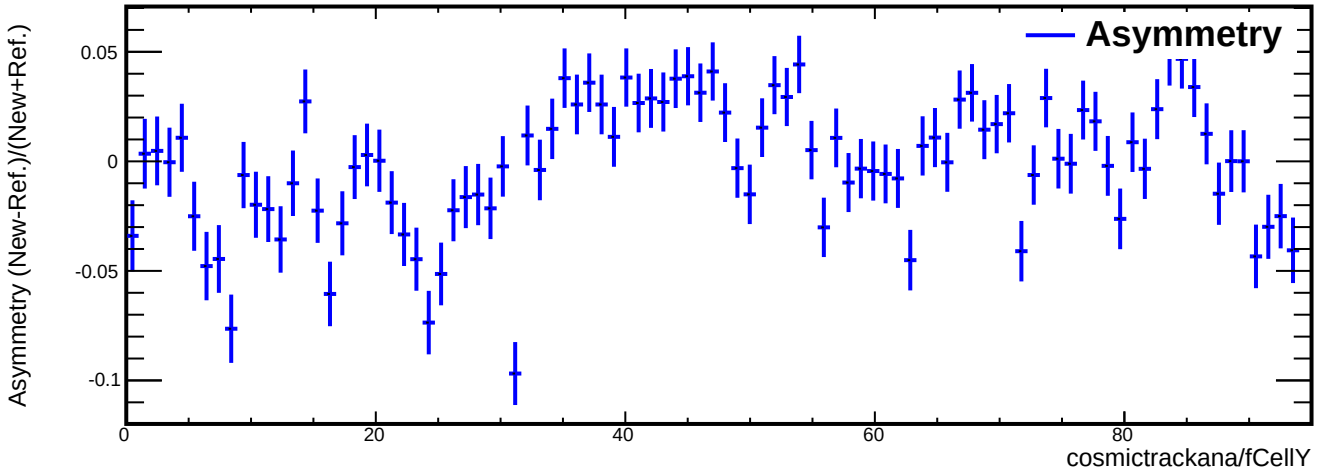

Events
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
cosmictrackana/residualsX

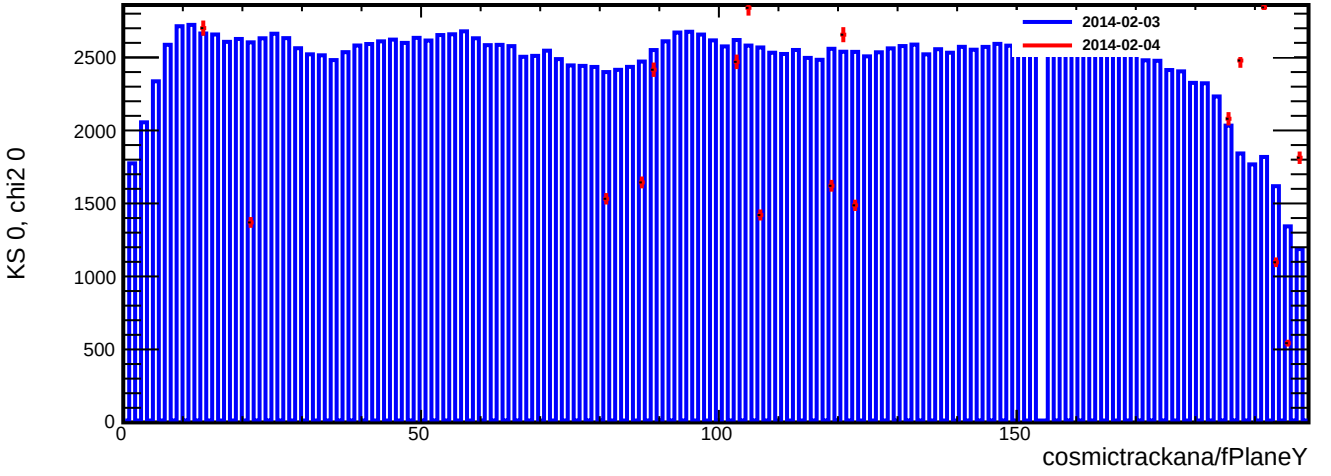

Events
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX

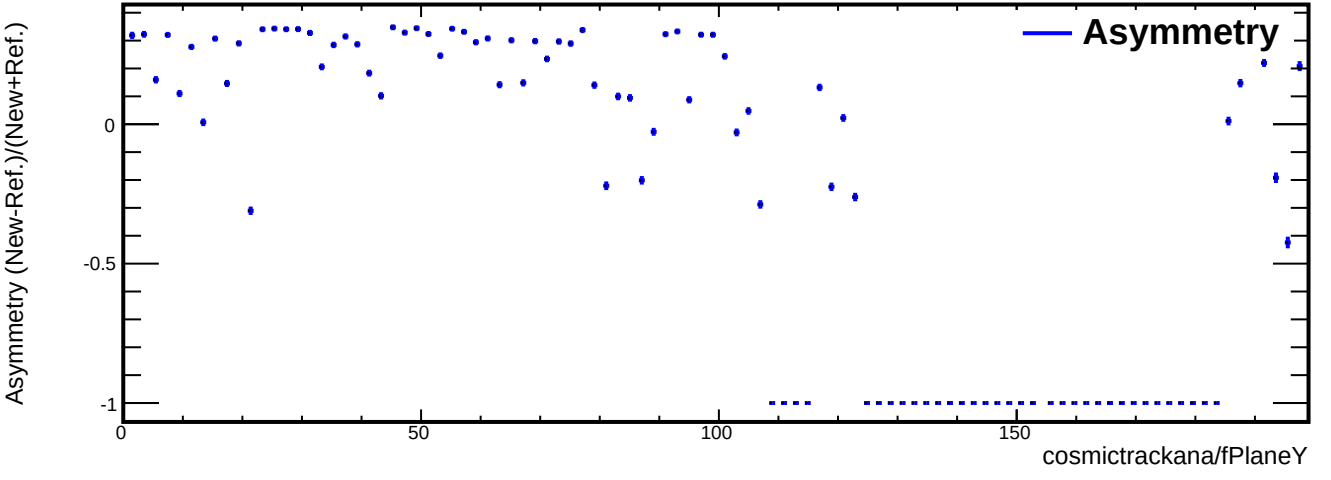

Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

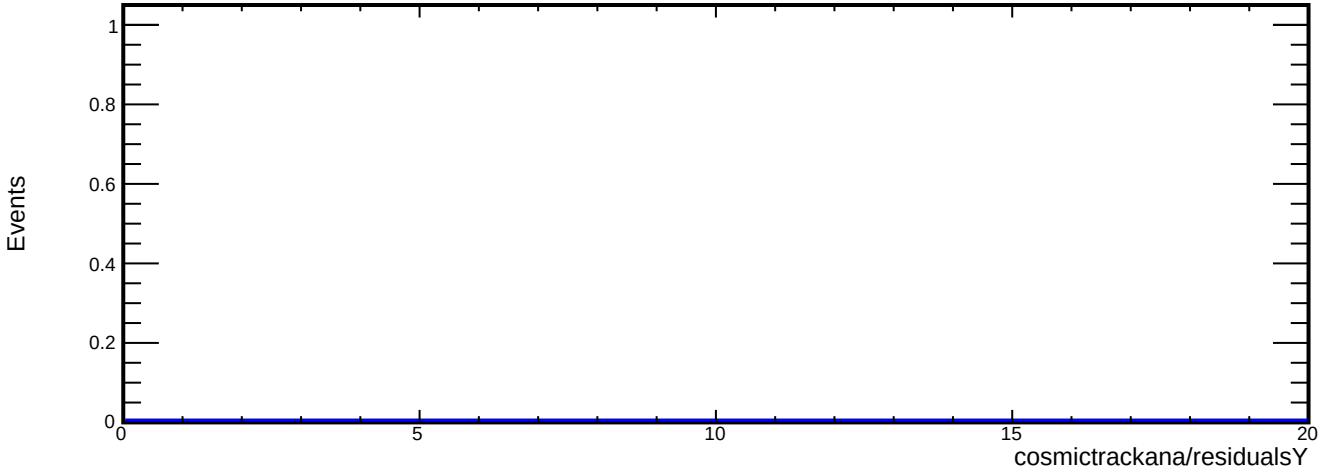

Events
120
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

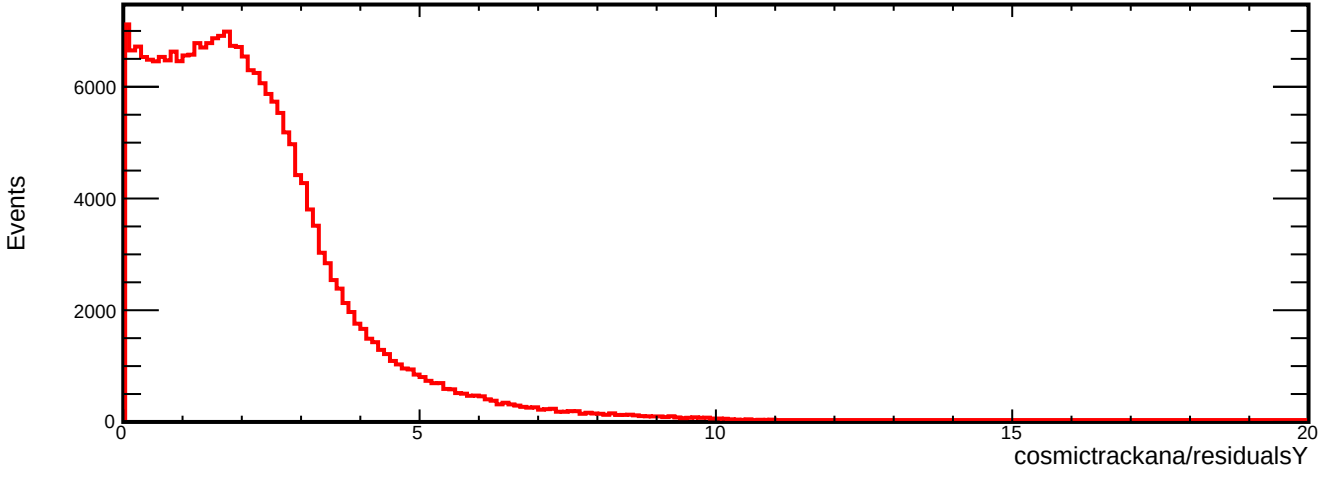

KS 4.31927e-23, chi2 8.05317e-42
2014-02-03
2014-02-04
0
500
1000
1500
2000
2500
0
20
40
60
80
cosmictrackana/fCellY

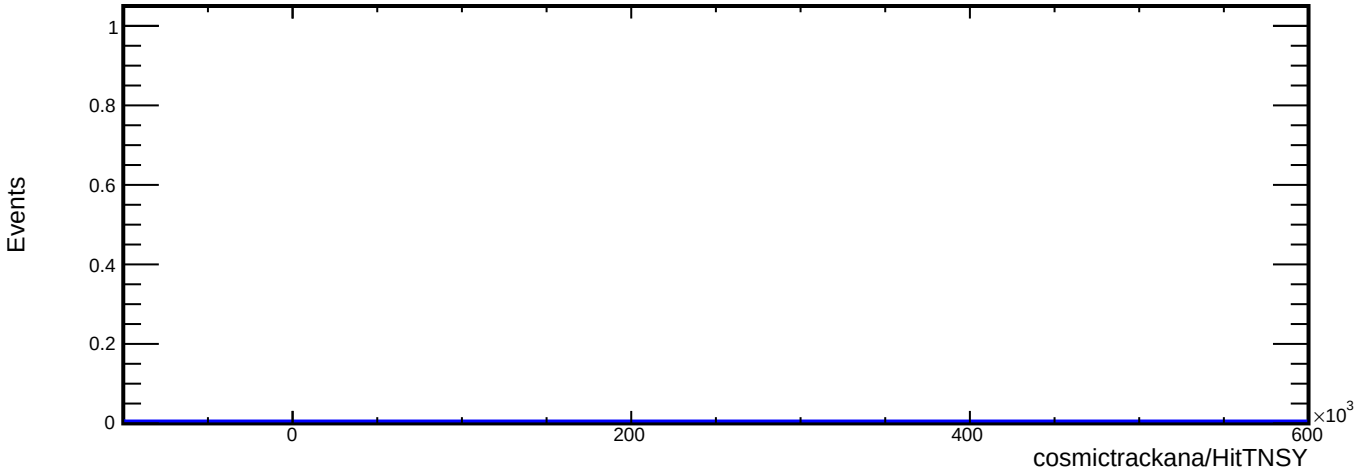

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
0
20
40
60
80
cosmictrackana/fCellY

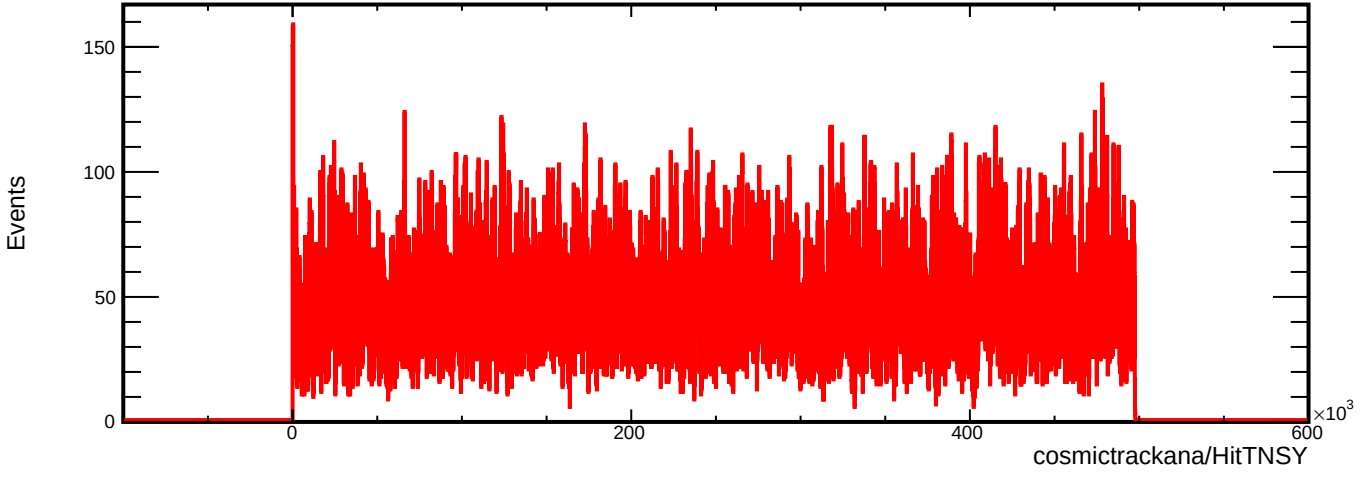

2014-02-03
2014-02-04
KS 0, chi2 0
cosmictrackana/fPlaneY


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


Events
1
0.8
0.6
0.4
0.2
0
0
5
10
15
20
cosmictrackana/residualsY


Events
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsY


Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


Events
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY