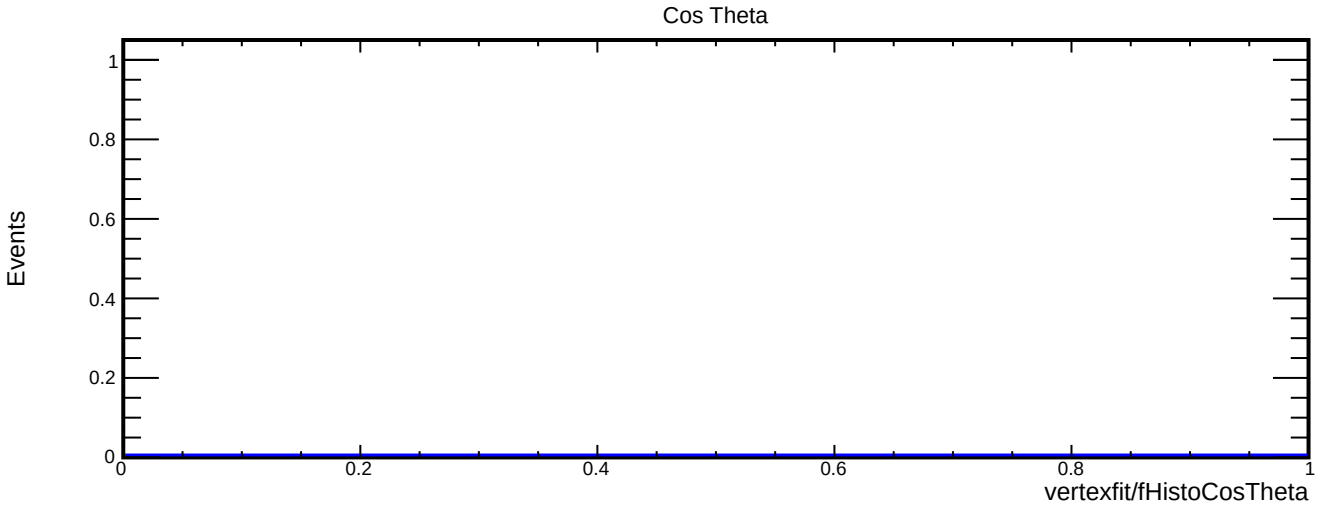
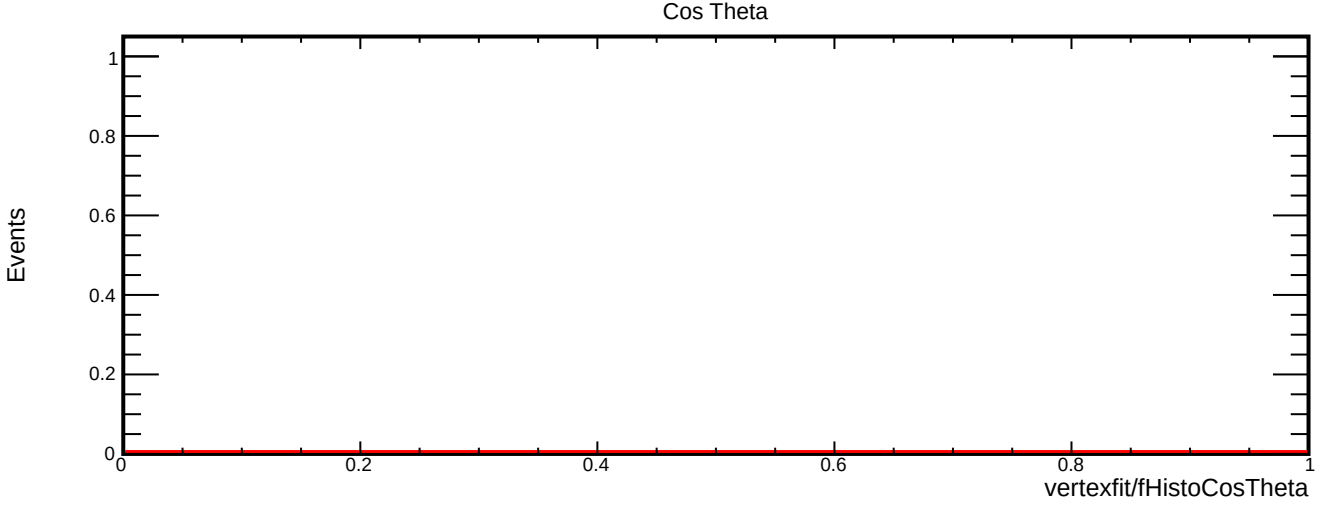
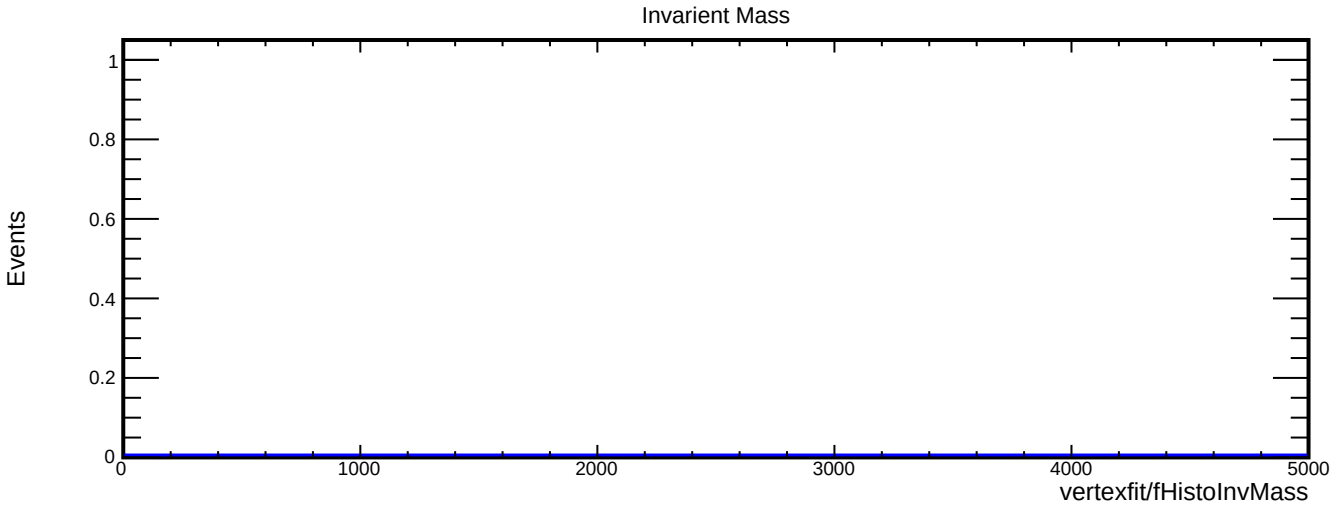
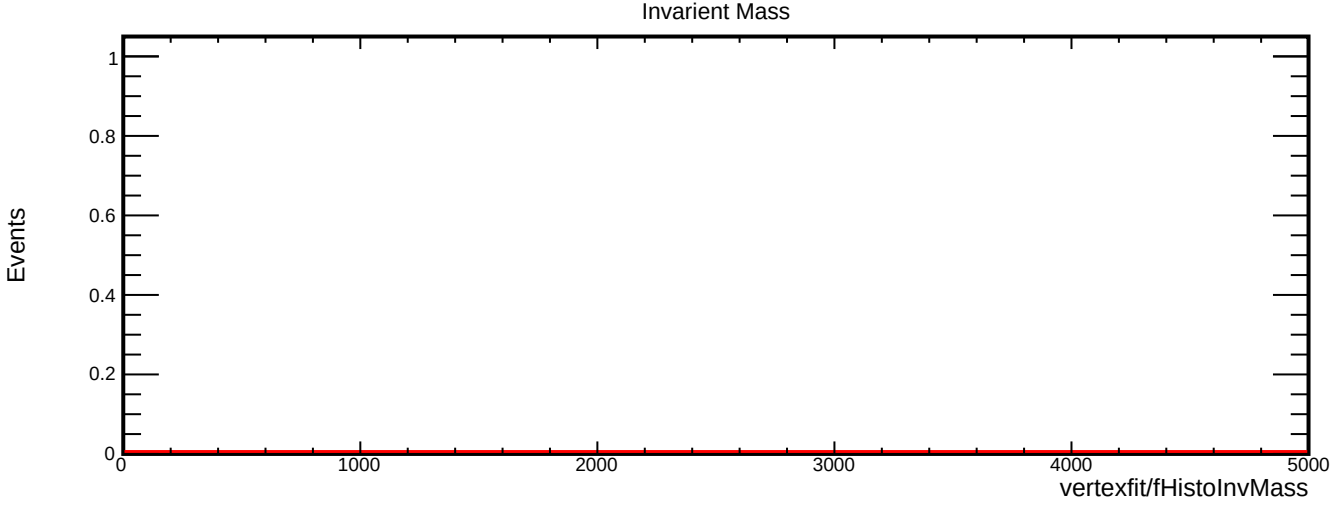
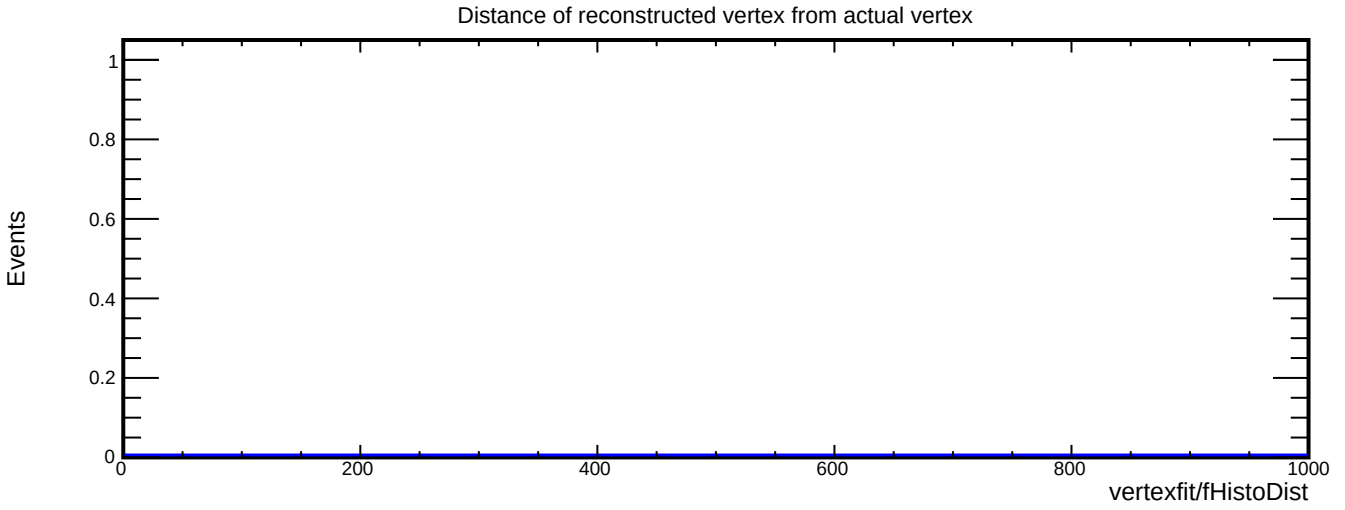
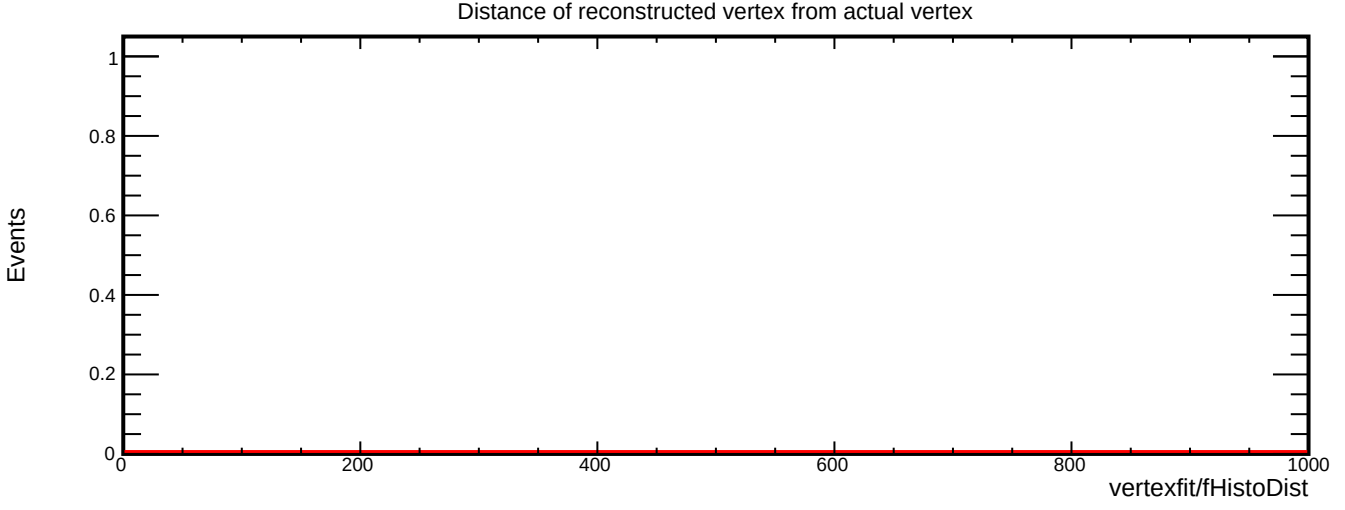

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

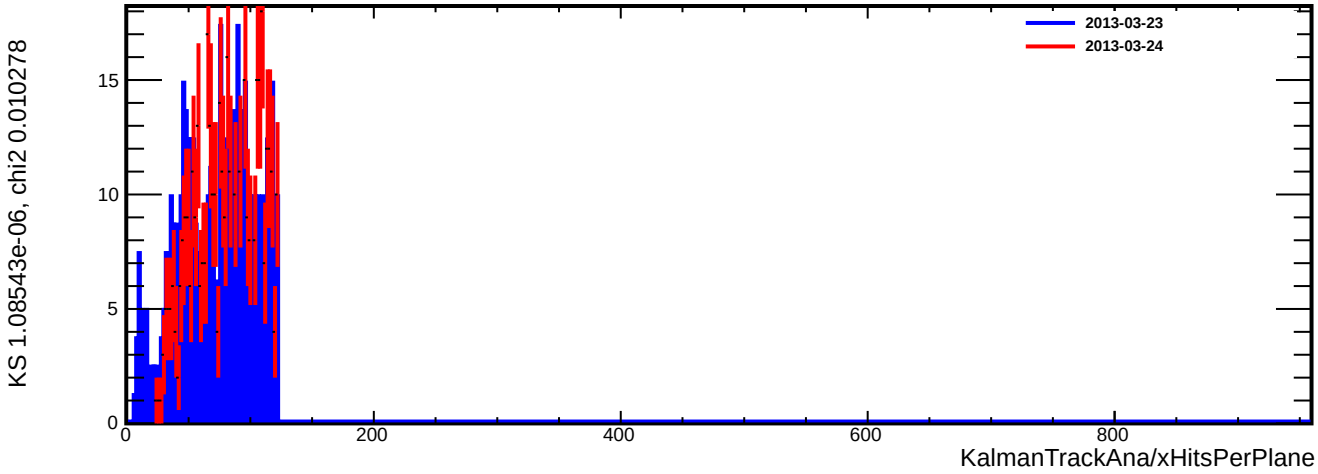

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

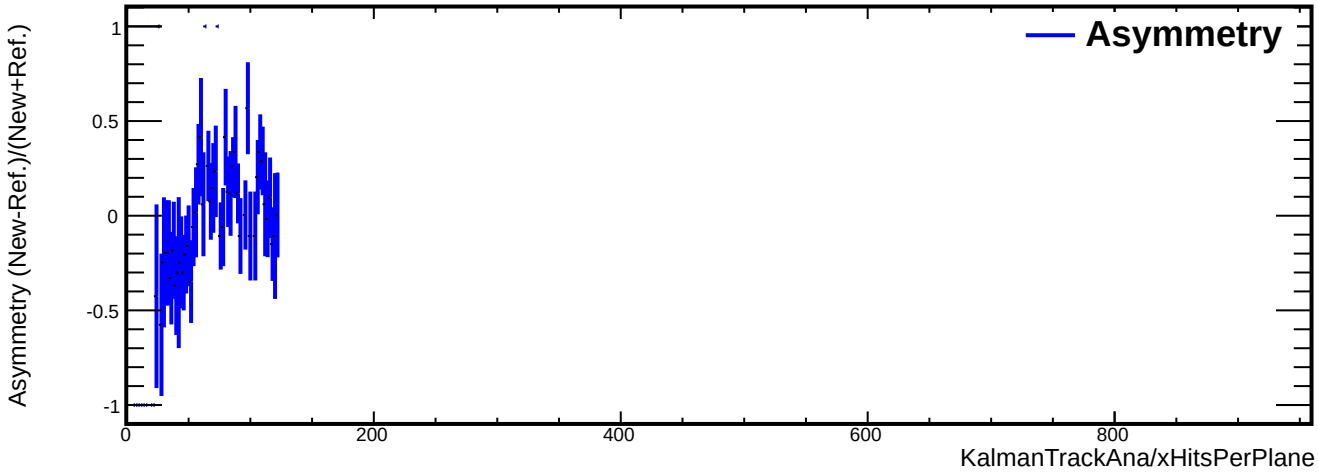

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

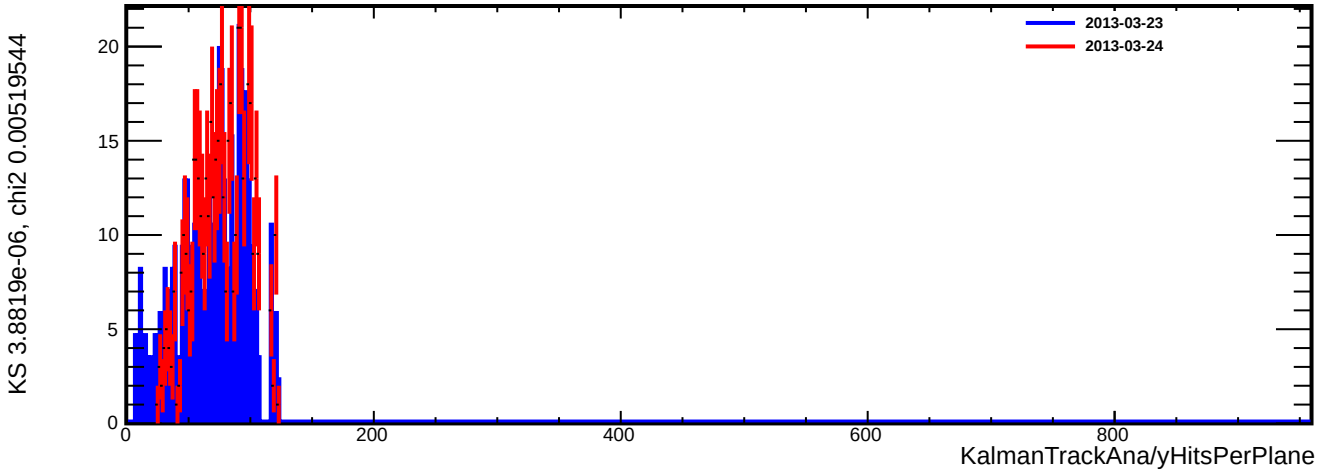

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

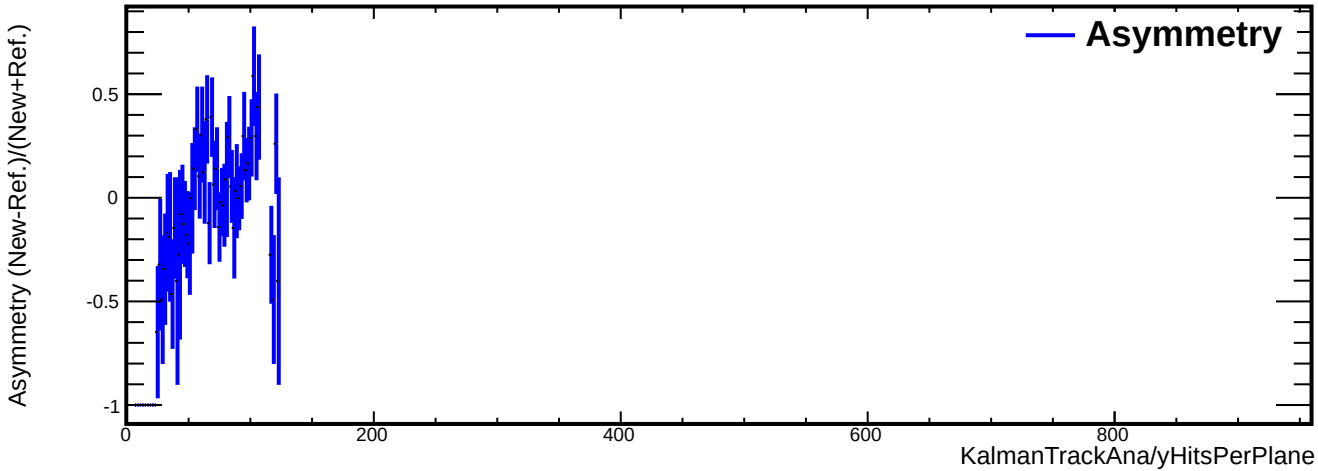

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

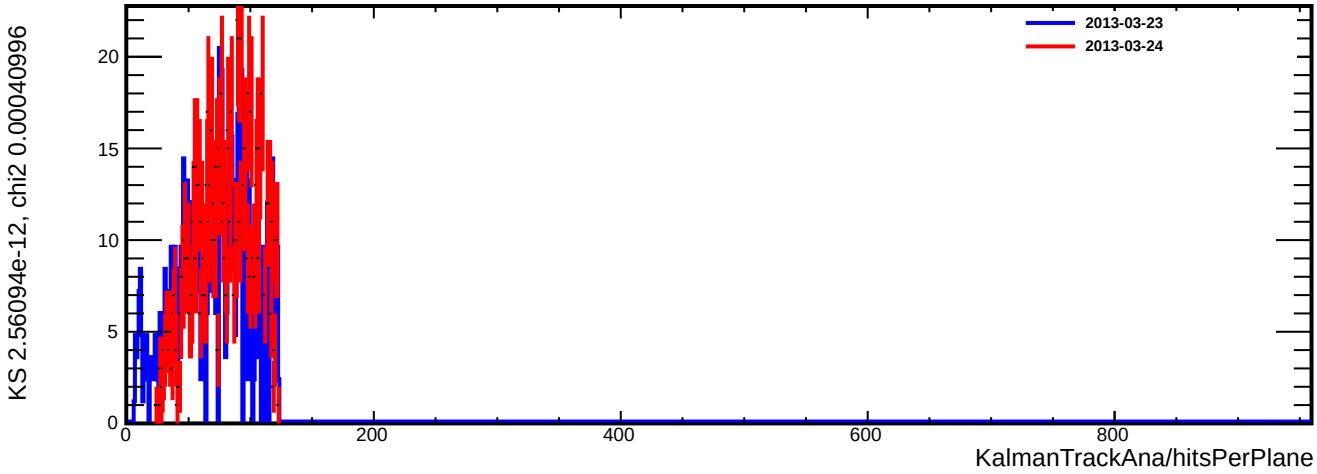

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

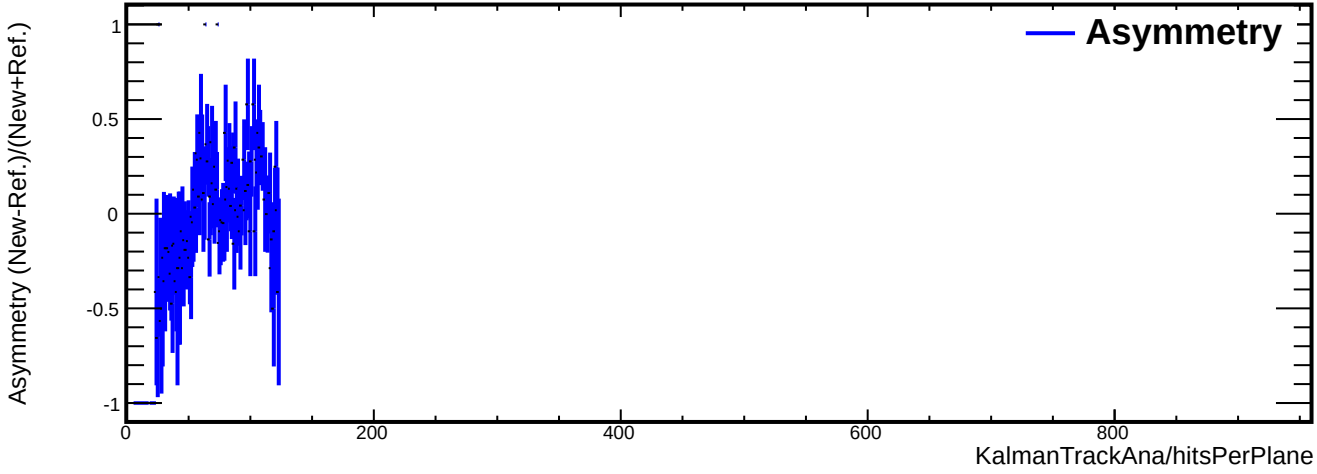

KS 1.08543e-06, chi2 0.010278
2013-03-23
2013-03-24
0
5
10
15
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

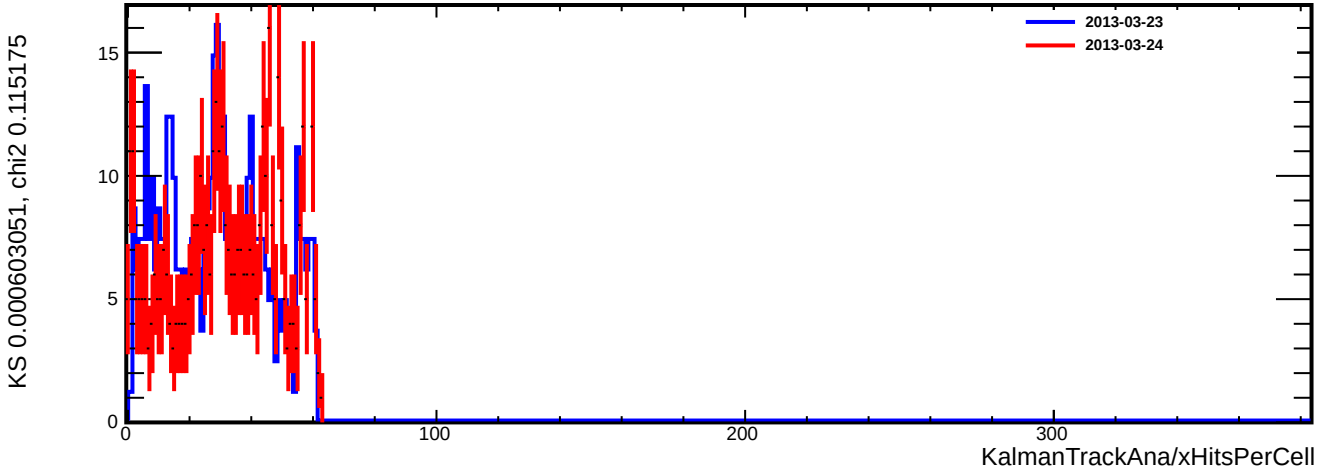

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

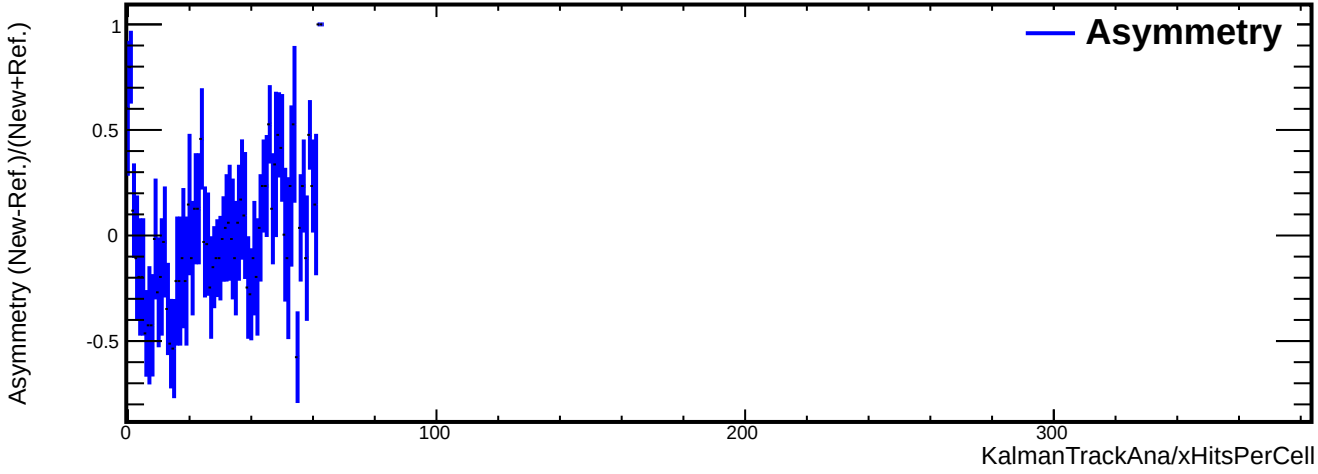

KS 3.8819e-06, chi2 0.00519544
2013-03-23
2013-03-24
0
5
10
15
20
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

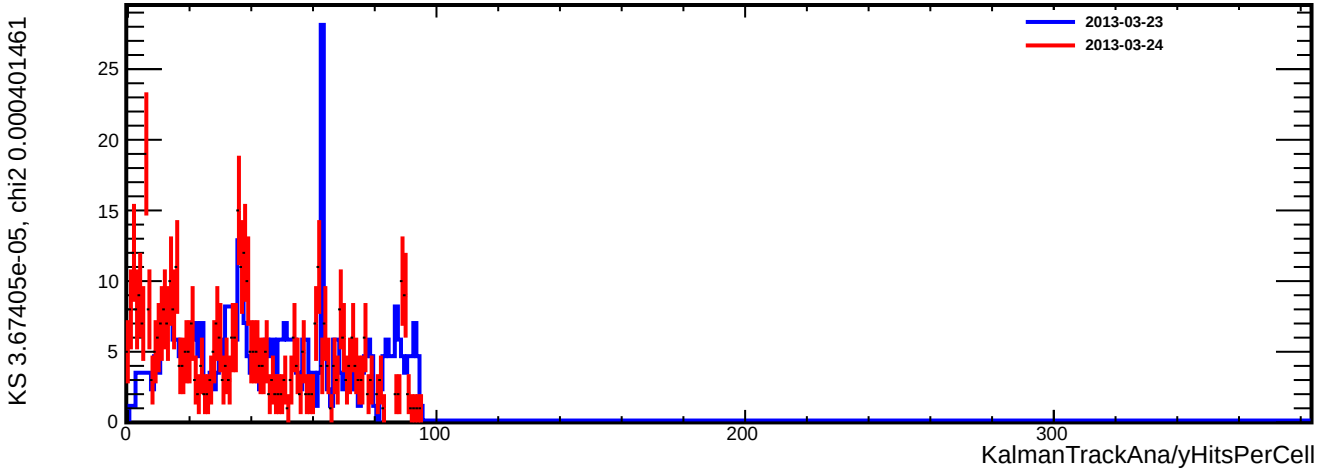

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-1
-0.5
0
0.5
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

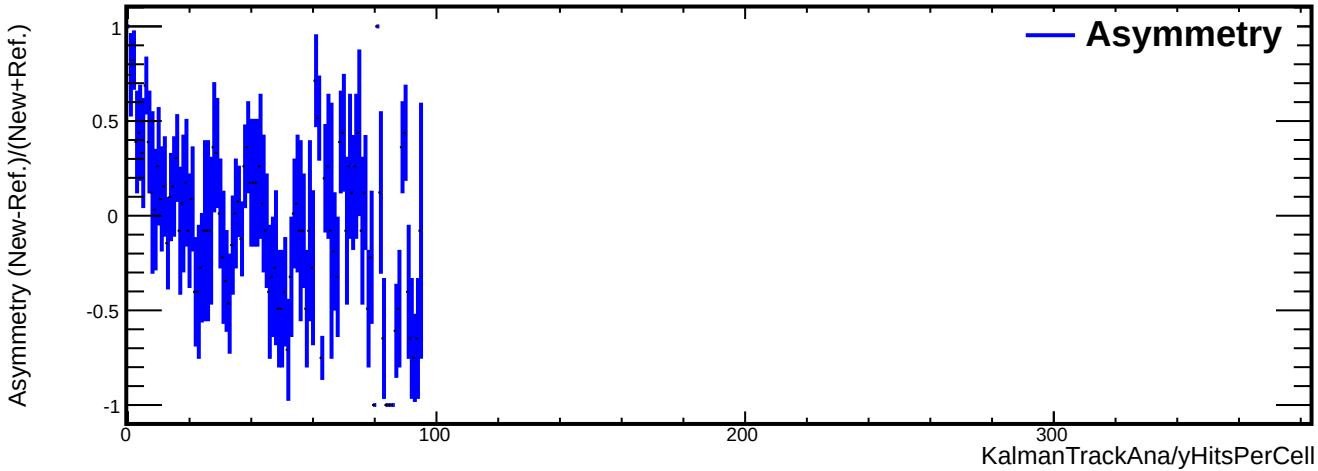

KS 2.56094e-12, chi2 0.00040996
2013-03-23
2013-03-24
0
5
10
15
20
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

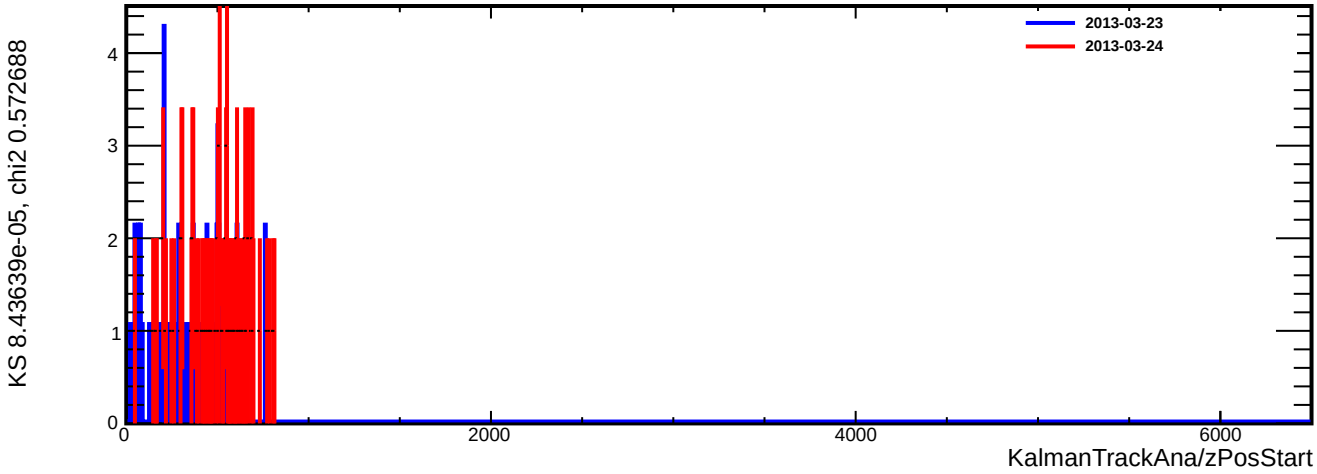

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/hitsPerPlane

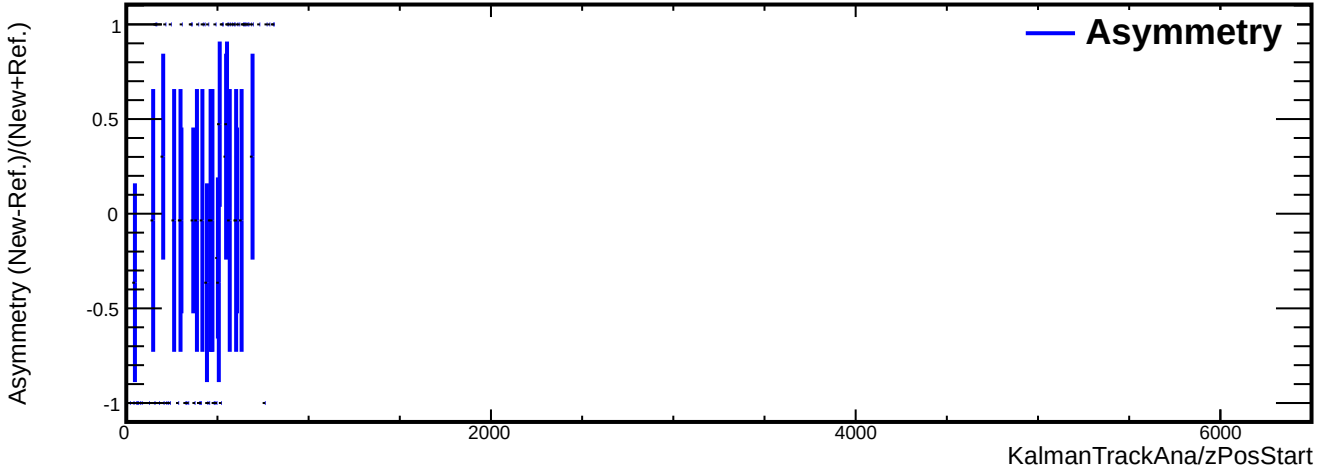

KS 0.000603051, chi2 0.115175
2013-03-23
2013-03-24
15
10
5
0
0
100
200
300
KalmanTrackAna/xHitsPerCell

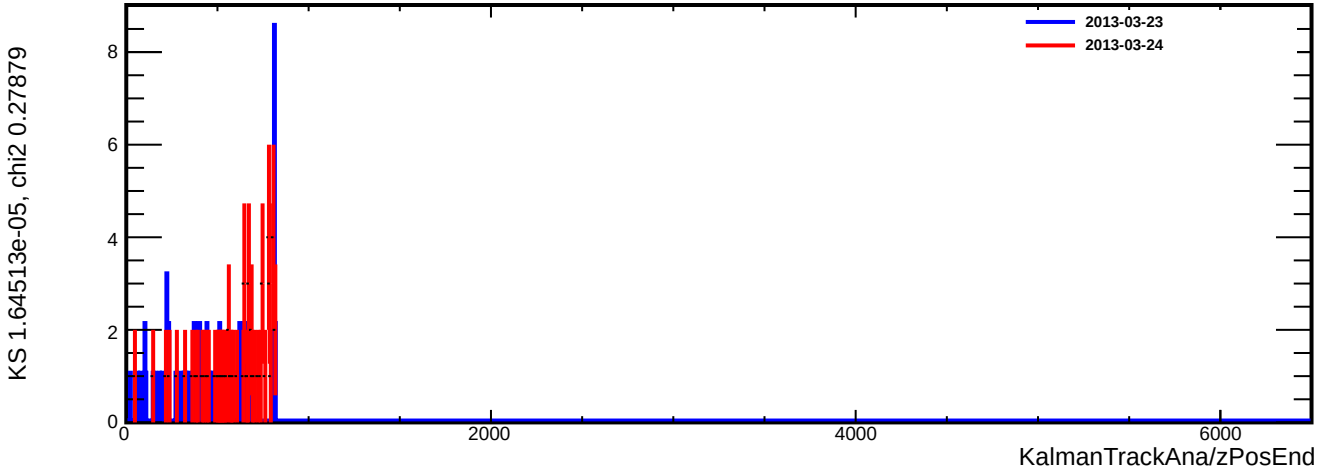

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
100
200
300
KalmanTrackAna/xHitsPerCell

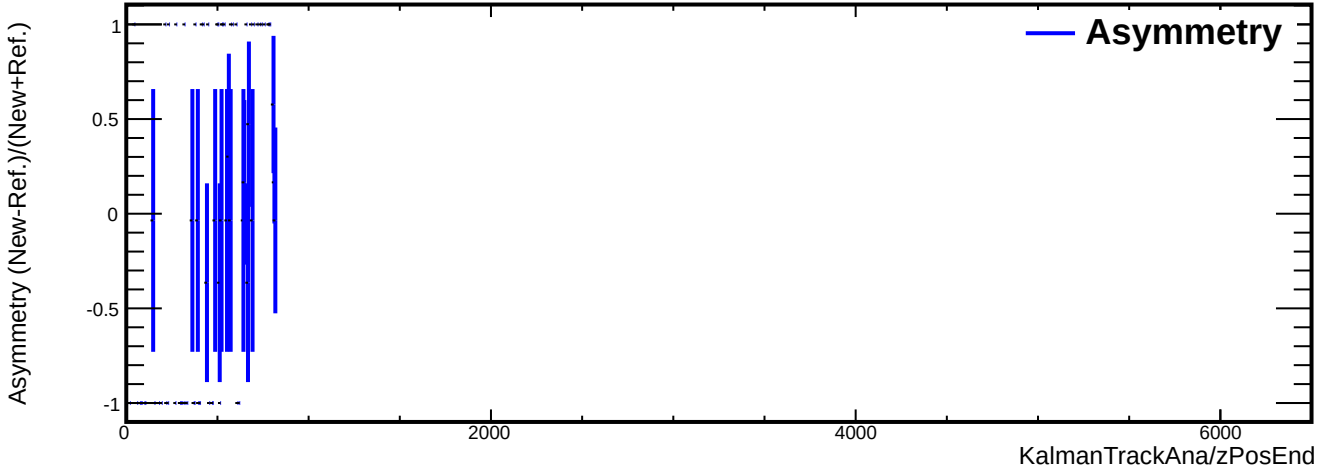

KS 3.67405e-05, chi2 0.000401461
2013-03-23
2013-03-24
0
5
10
15
20
25
0
100
200
300
KalmanTrackAna/yHitsPerCell

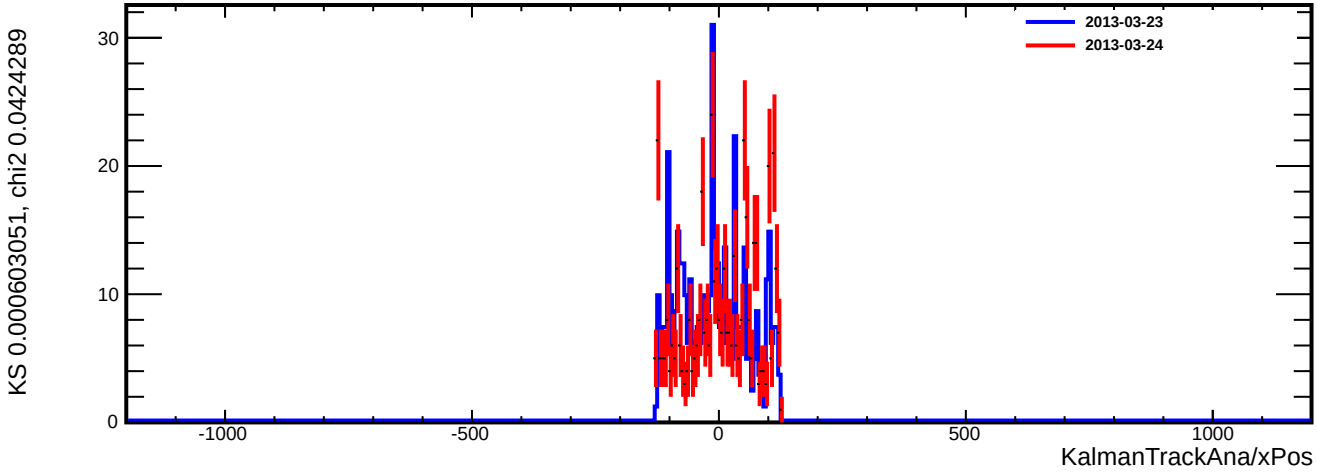

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

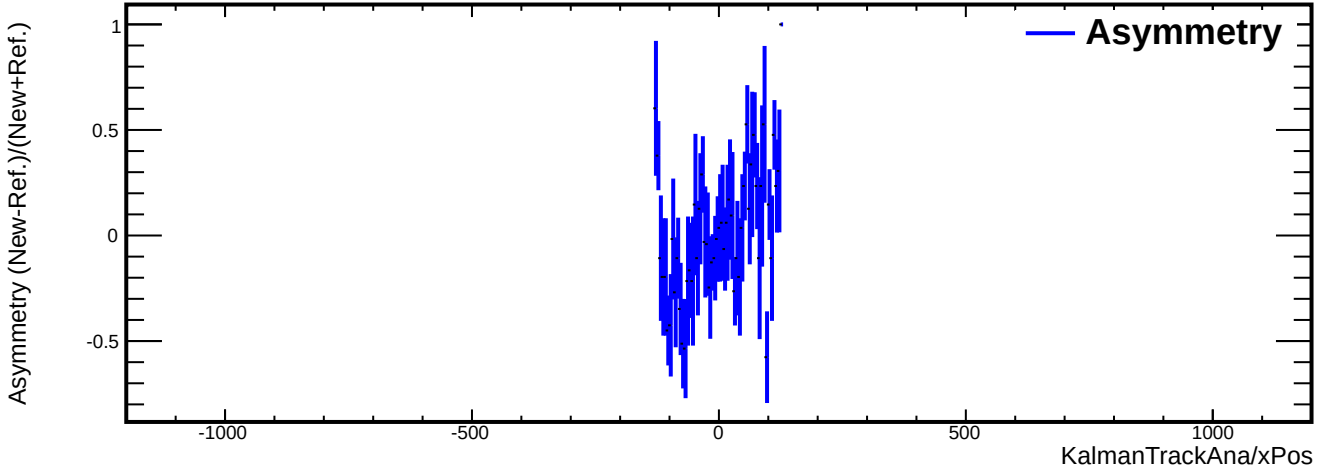

KS 8.43639e-05, chi2 0.572688
2013-03-23
2013-03-24
0
1
2
3
4
0
2000
4000
6000
KalmanTrackAna/zPosStart

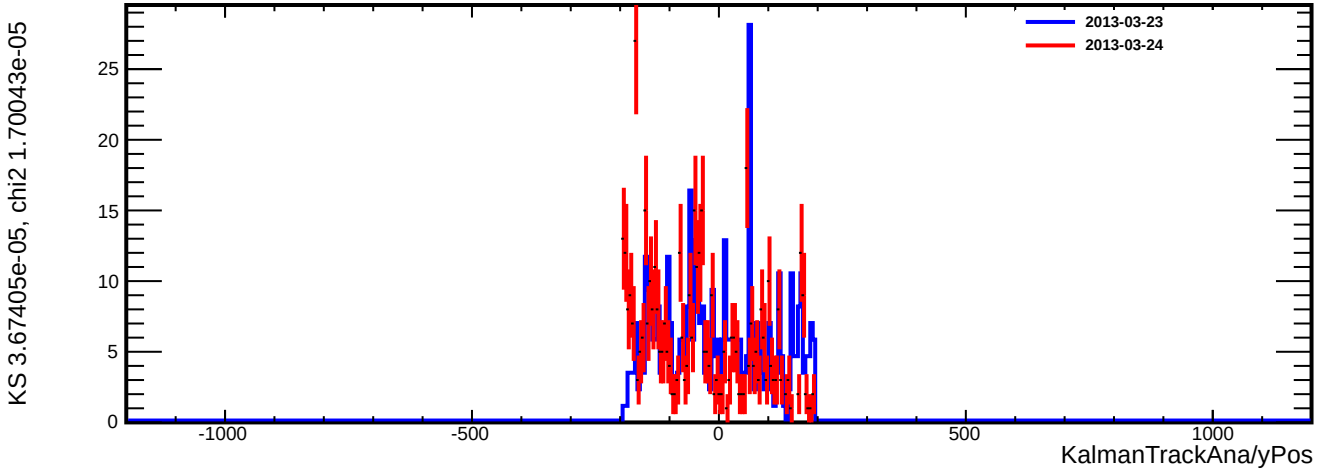

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2000
4000
6000
KalmanTrackAna/zPosStart

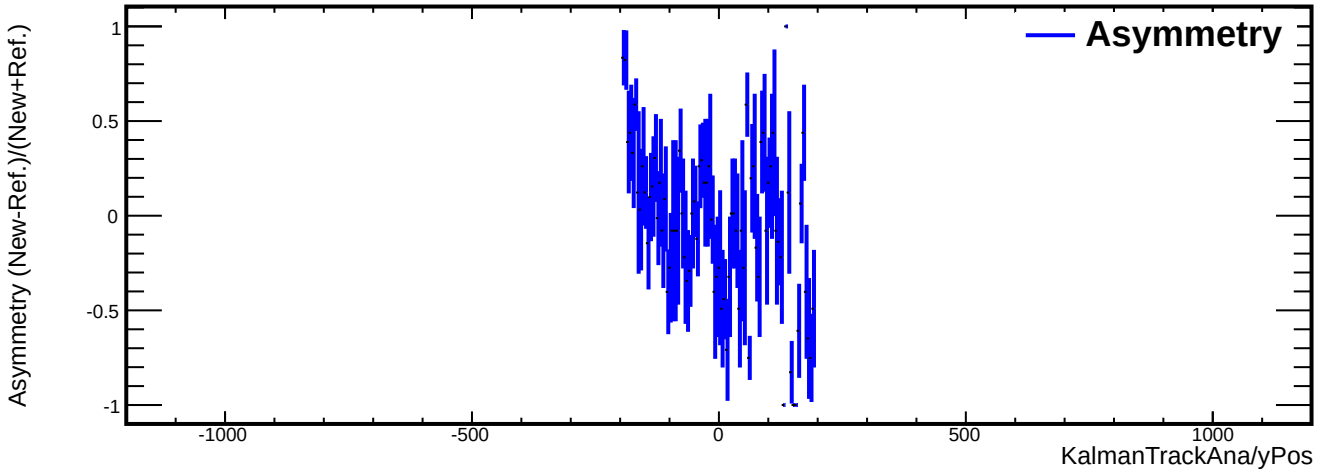

KS 1.64513e-05, chi2 0.27879
2013-03-23
2013-03-24
0
2
4
6
8
0
2000
4000
6000
KalmanTrackAna/zPosEnd

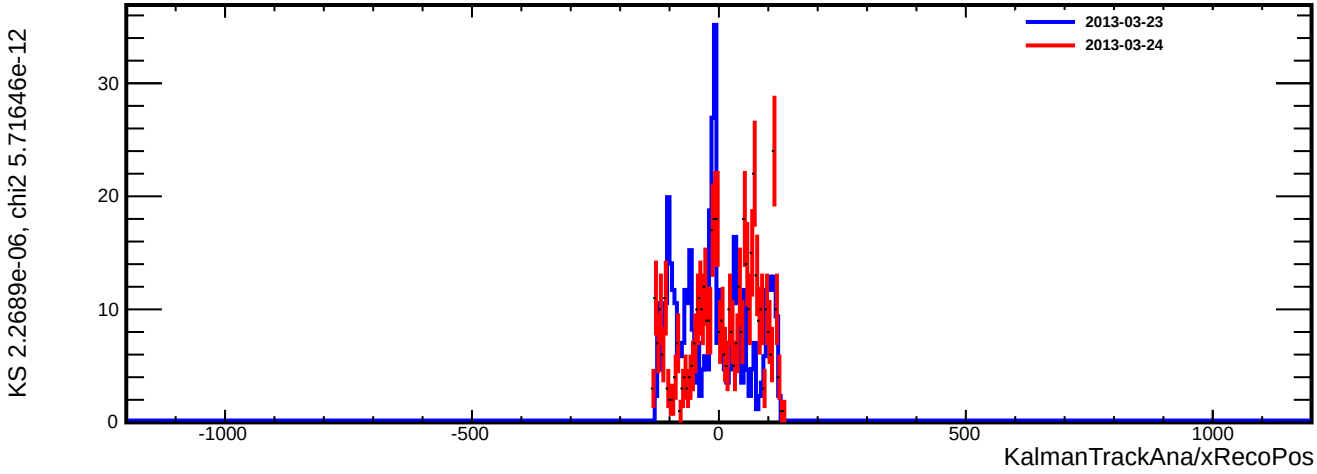

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2000
4000
6000
KalmanTrackAna/zPosEnd

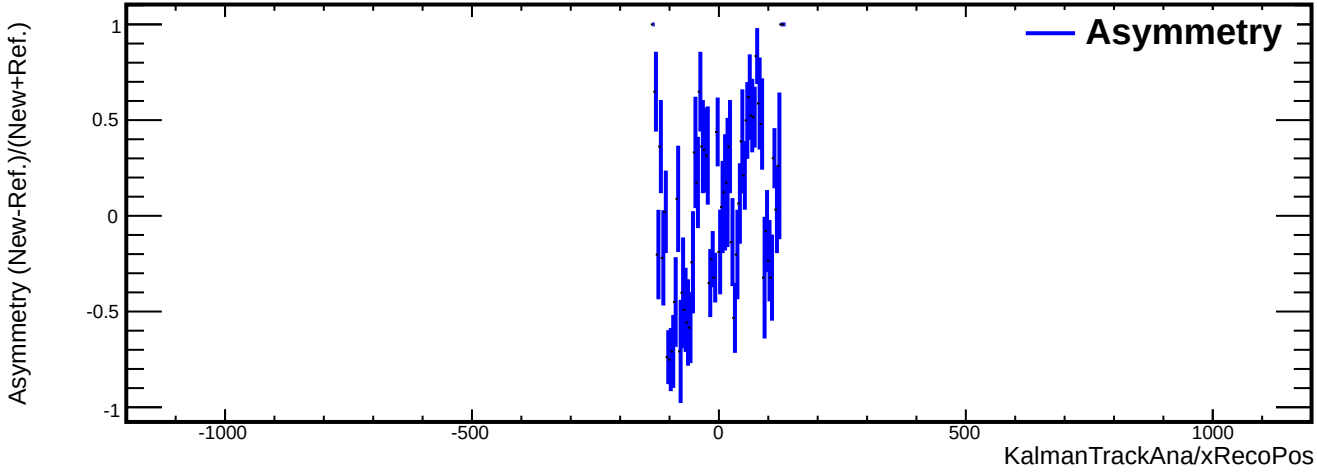

KS 0.000603051, chi2 0.0424289
2013-03-23
2013-03-24
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos

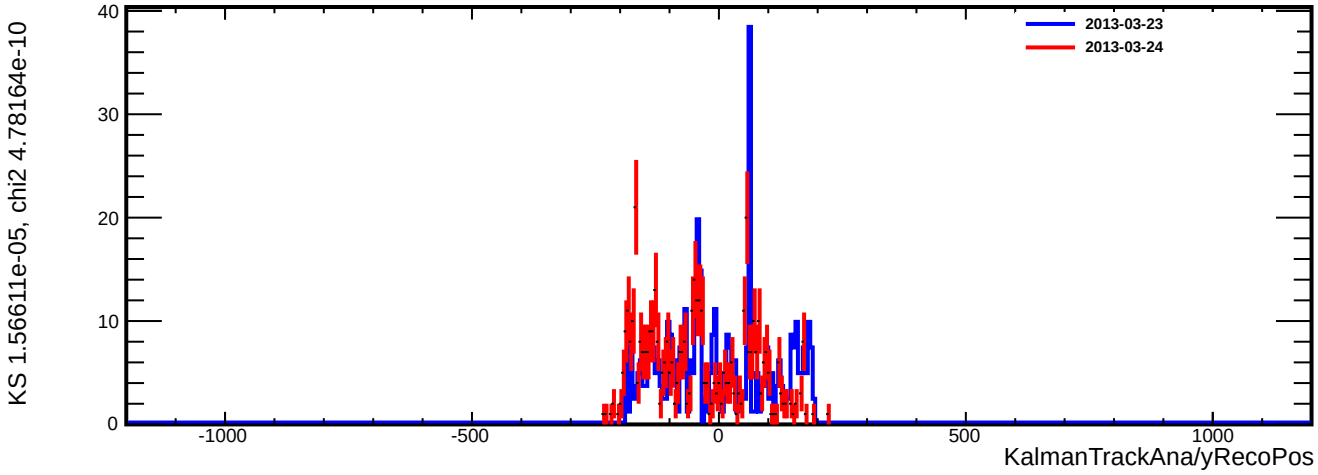

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1000
-500
0
500
1000
KalmanTrackAna/xPos

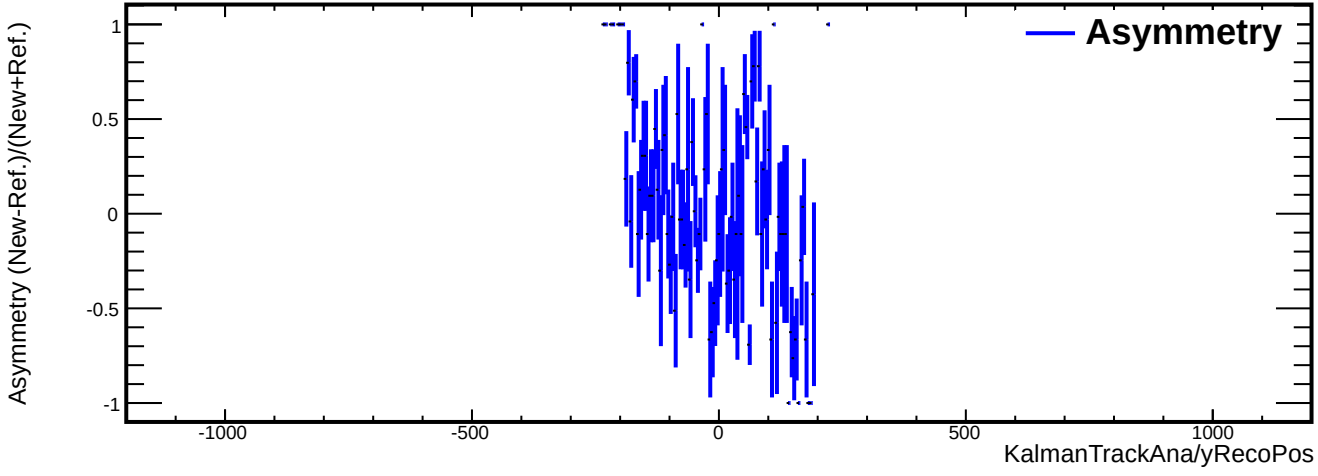

KS 3.67405e-05, chi2 1.70043e-05
2013-03-23
2013-03-24
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos

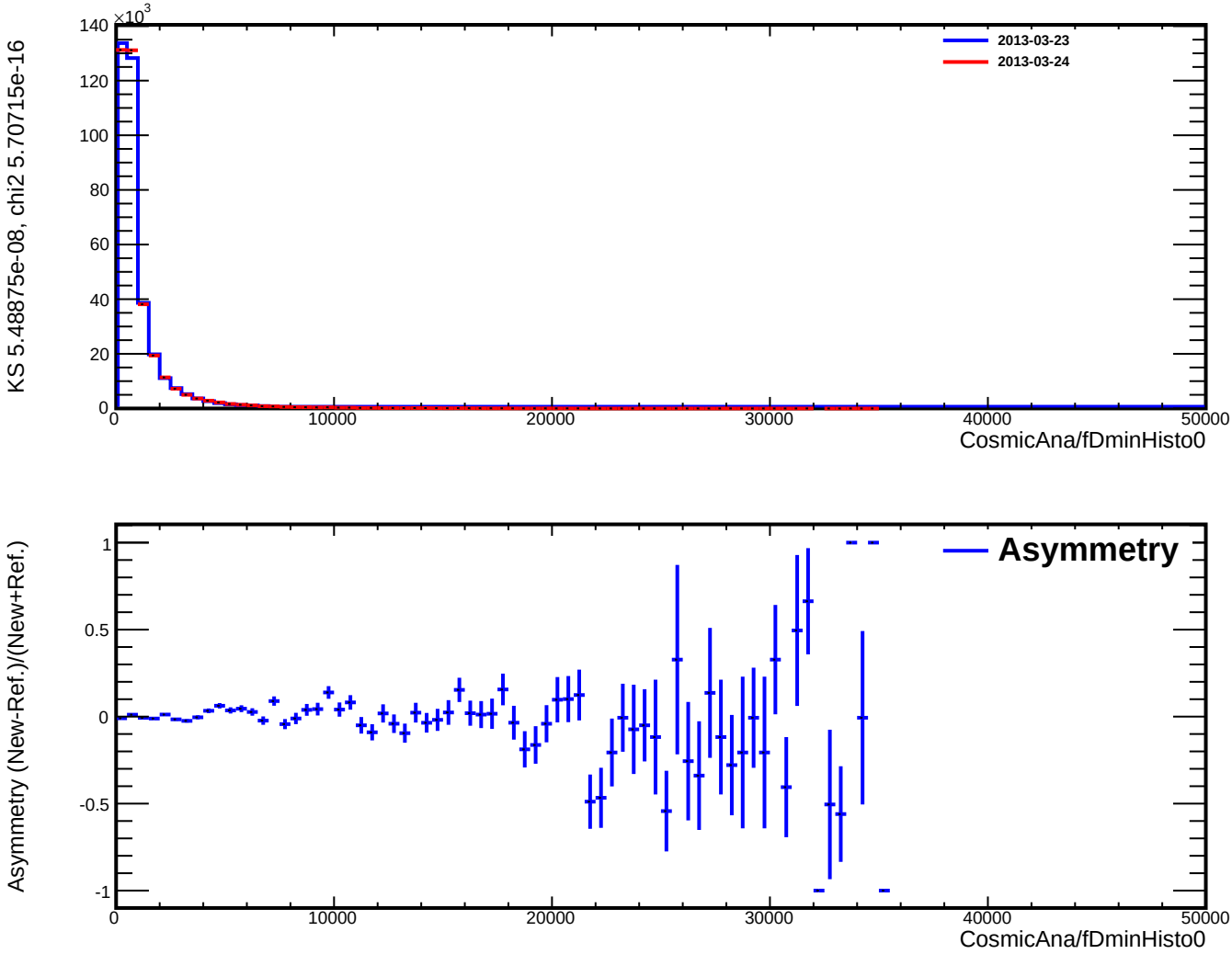

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

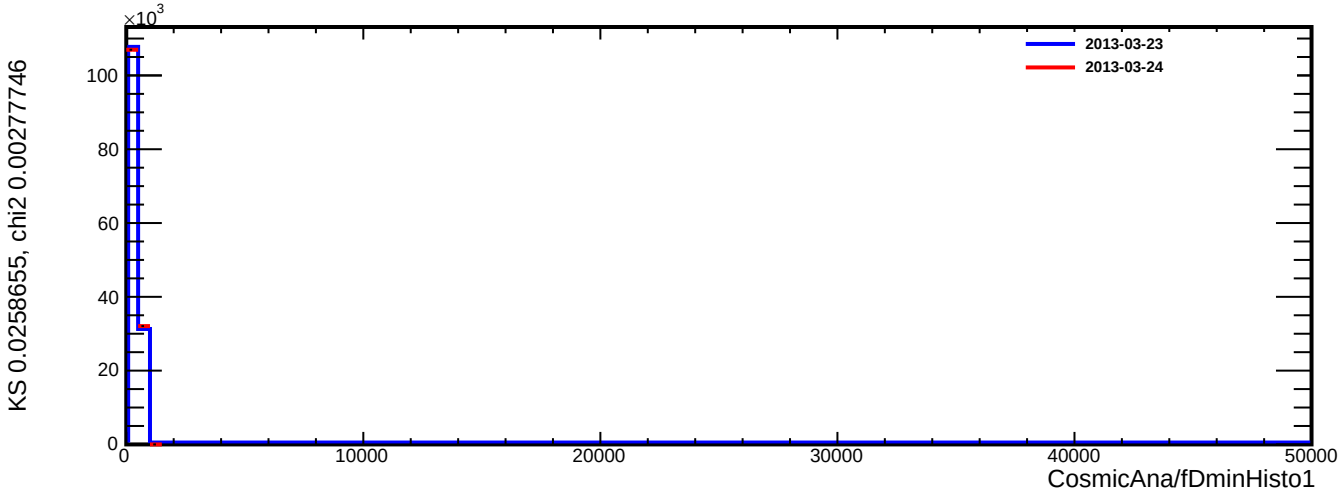

KS 2.2689e-06, chi2 5.71646e-12
2013-03-23
2013-03-24
30
20
10
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

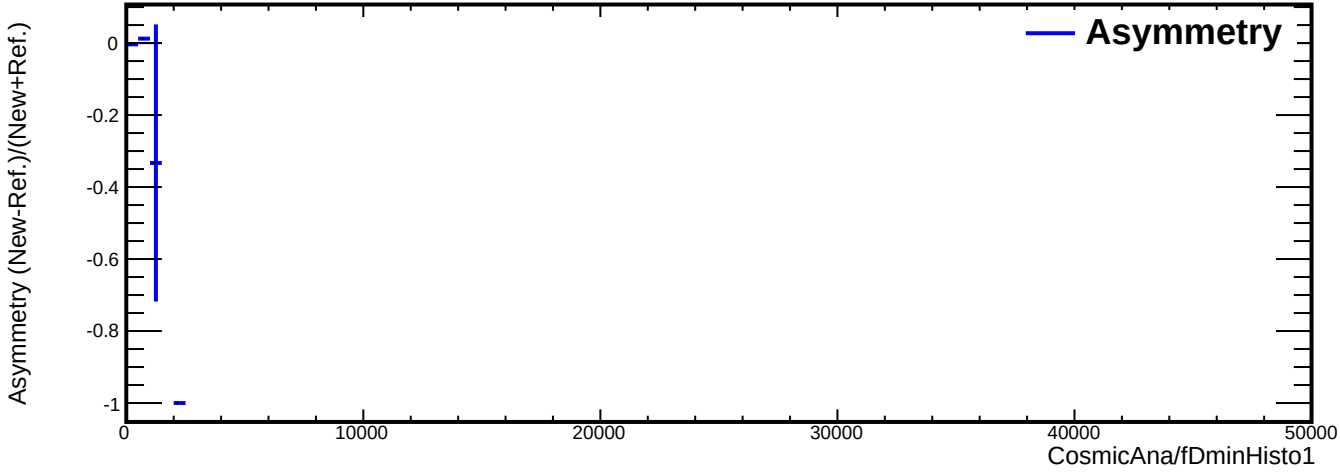

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

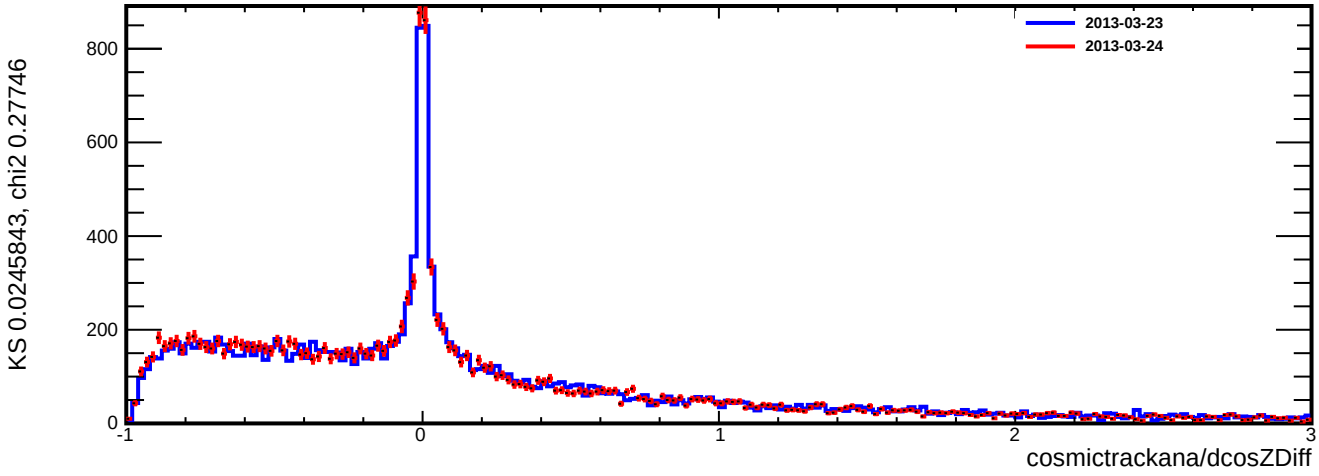

KS 1.56611e-05, chi2 4.78164e-10
2013-03-23
2013-03-24
KalmanTrackAna/yRecoPos

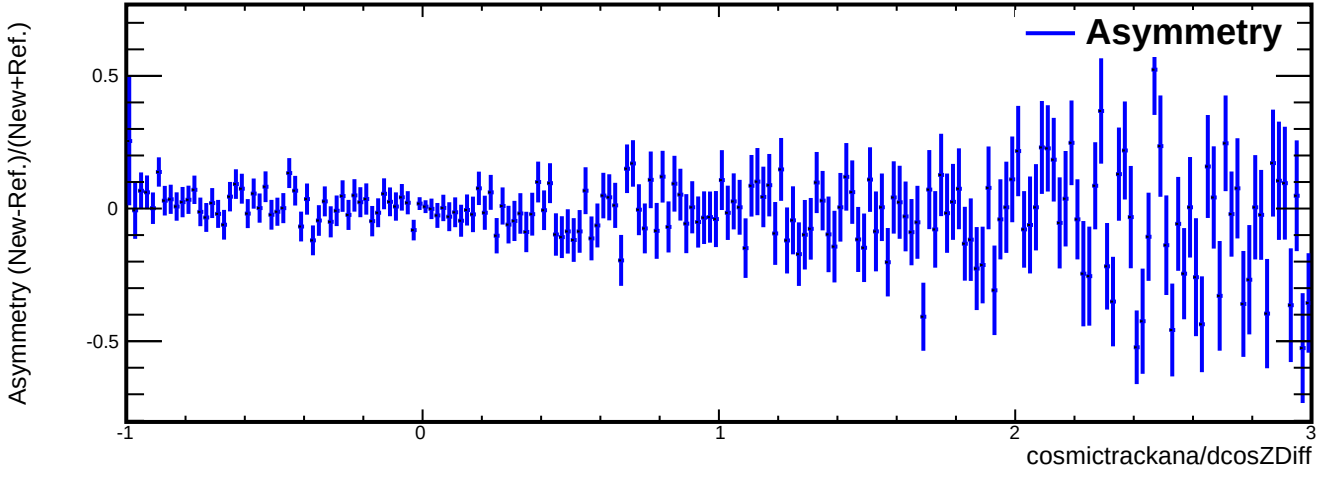

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yRecoPos

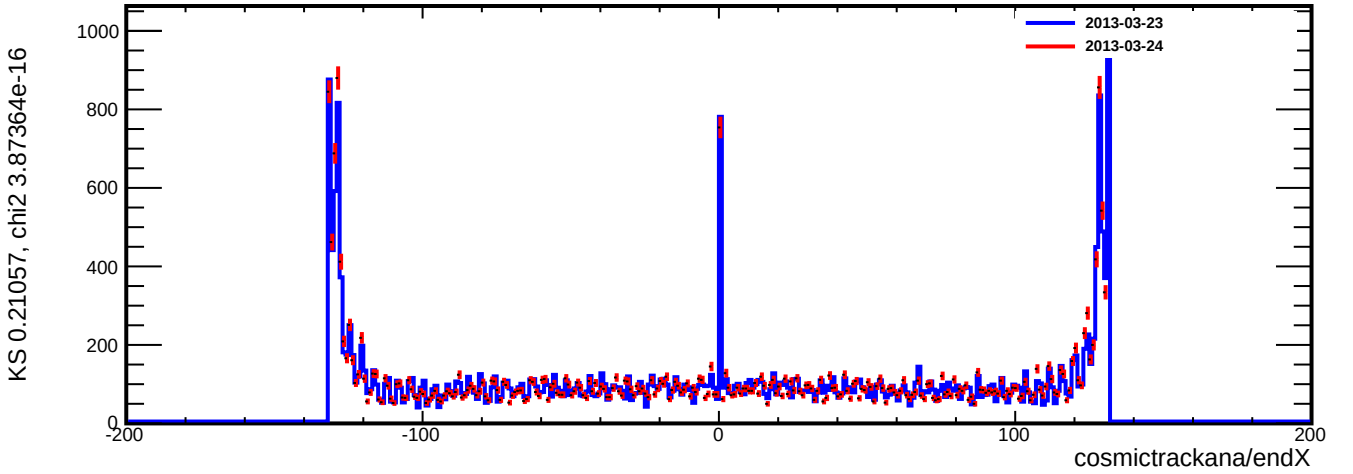

KS 5.48875e-08, chi2 5.70715e-16
×10^3
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
2013-03-23
2013-03-24
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
Asymmetry

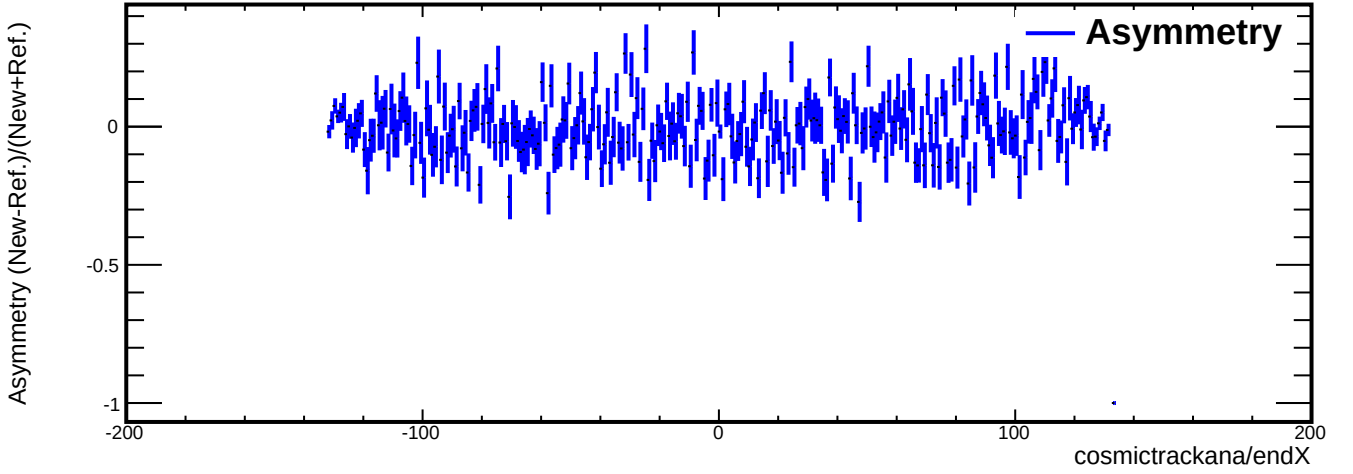

×10^3
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
2013-03-23
2013-03-24
KS 0.0258655, chi2 0.00277746
CosmicAna/fDminHisto1

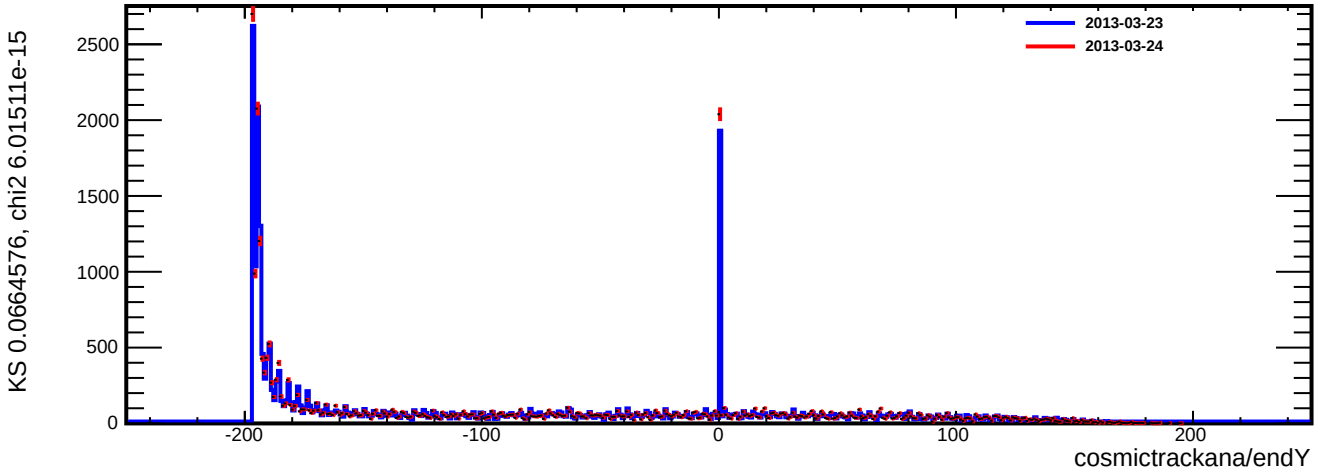

0
-0.2
-0.4
-0.6
-0.8
-1
0
10000
20000
30000
40000
50000
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
CosmicAna/fDminHisto1

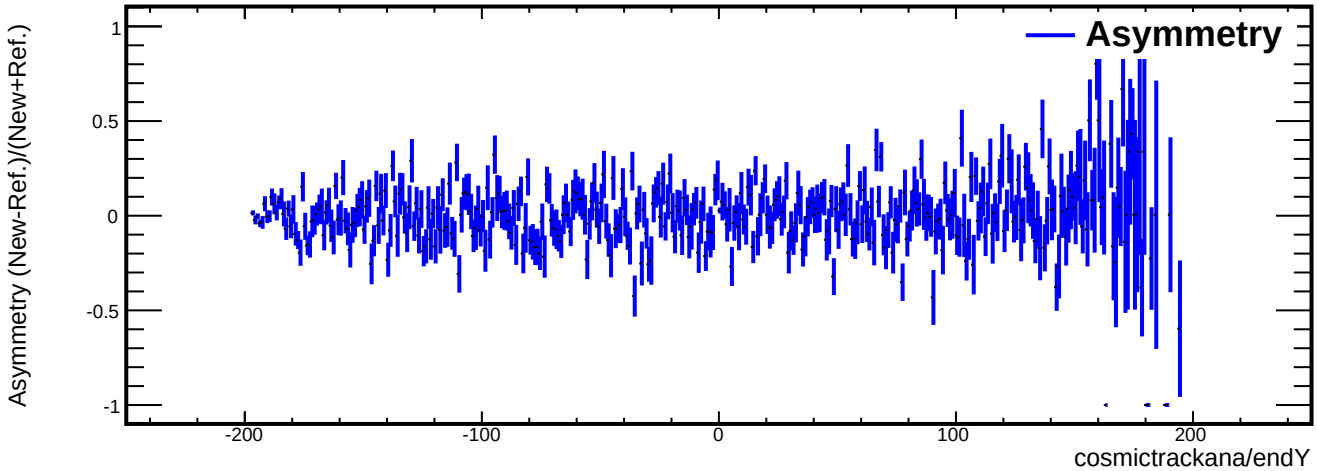

KS 0.0245843, chi2 0.27746
2013-03-23
2013-03-24
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosZDiff

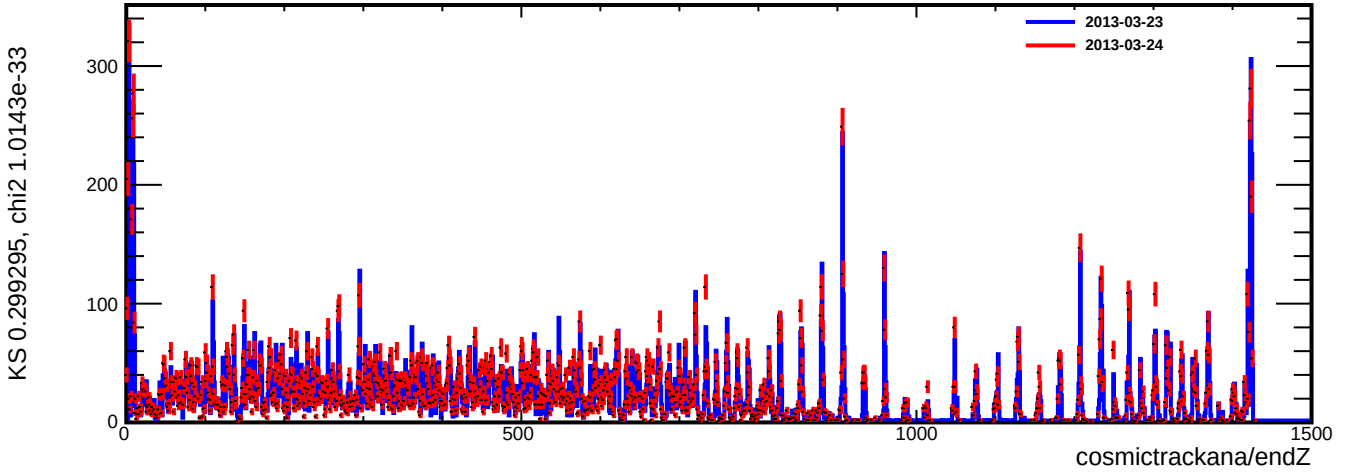

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosZDiff

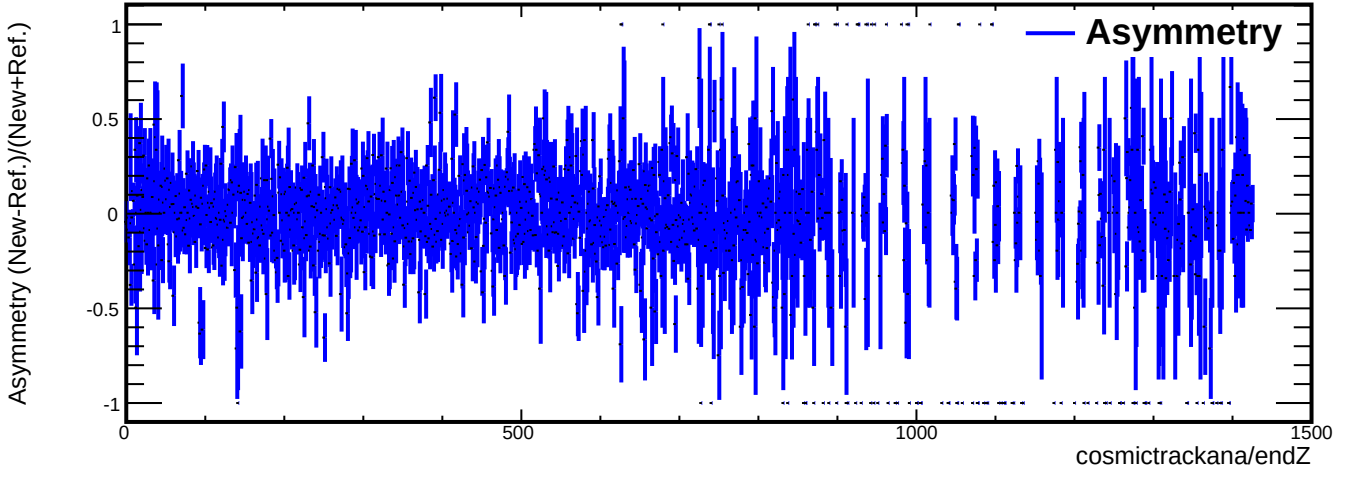

KS 0.21057, chi2 3.87364e-16
2013-03-23
2013-03-24
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

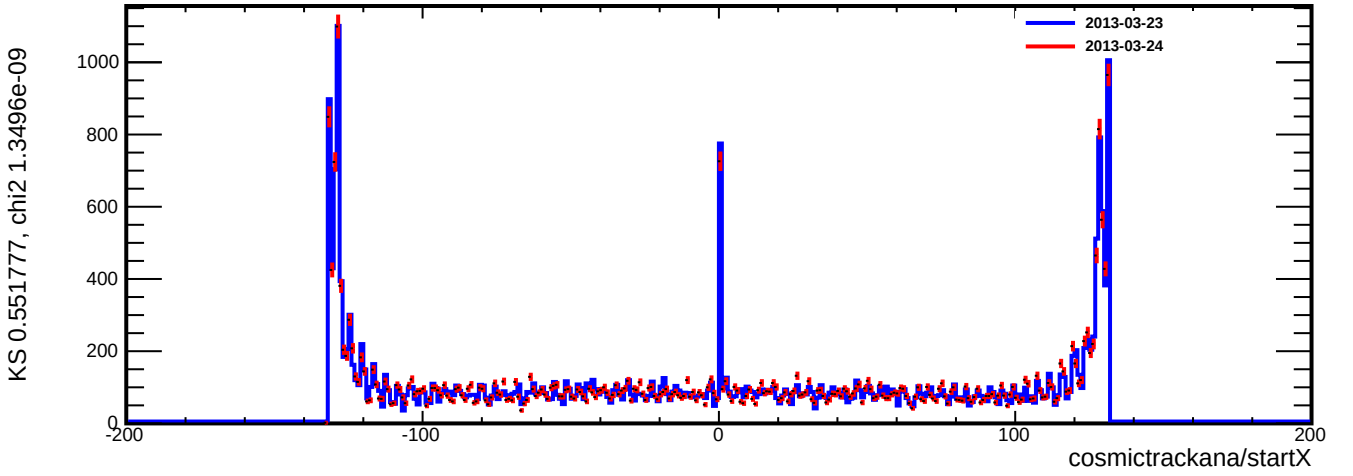

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endX

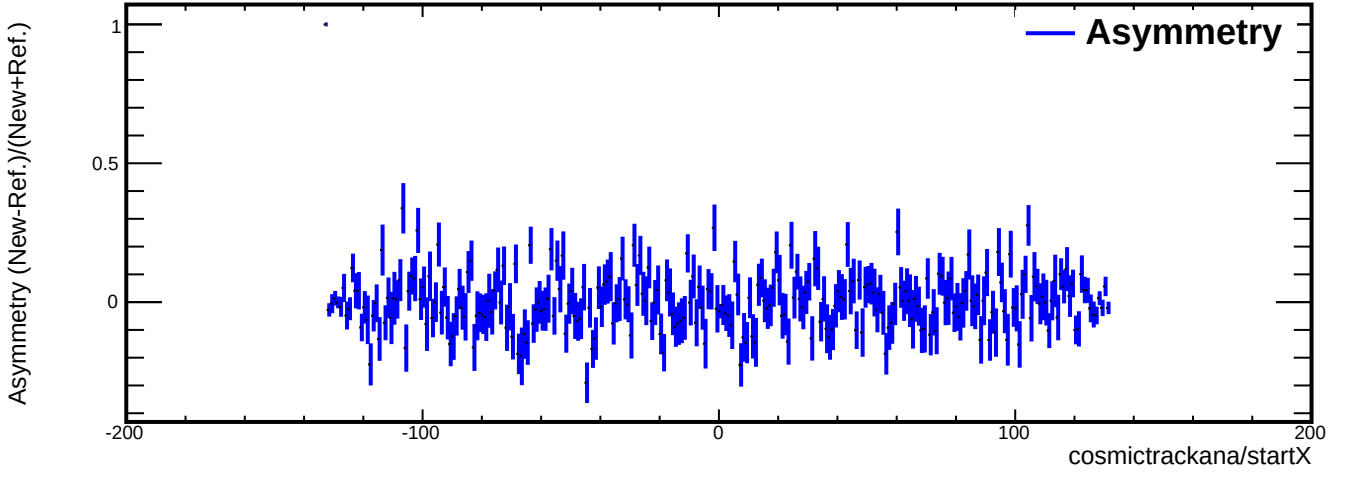

KS 0.0664576, chi2 6.01511e-15
2013-03-23
2013-03-24
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

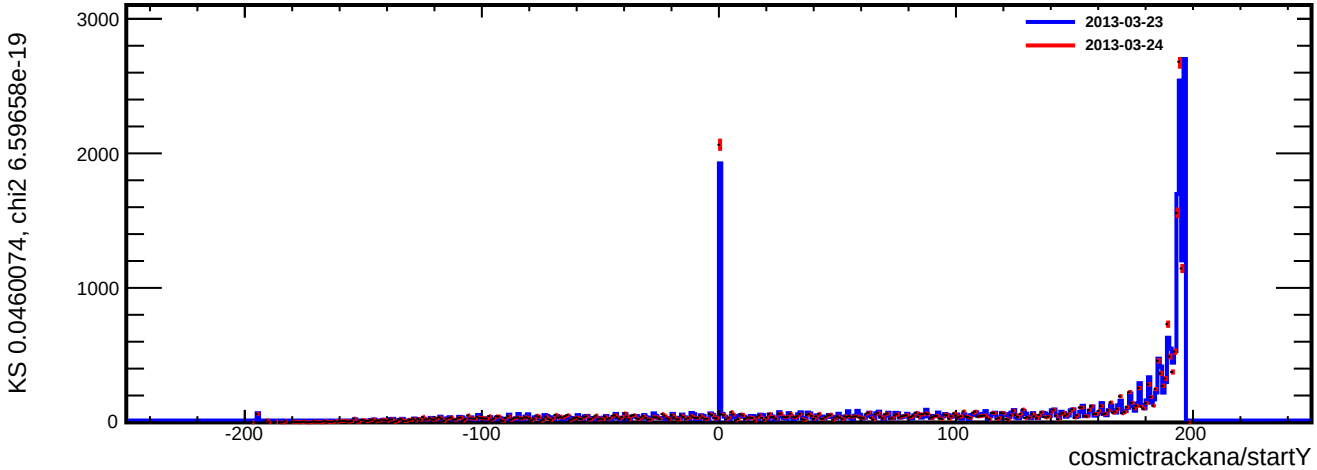

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

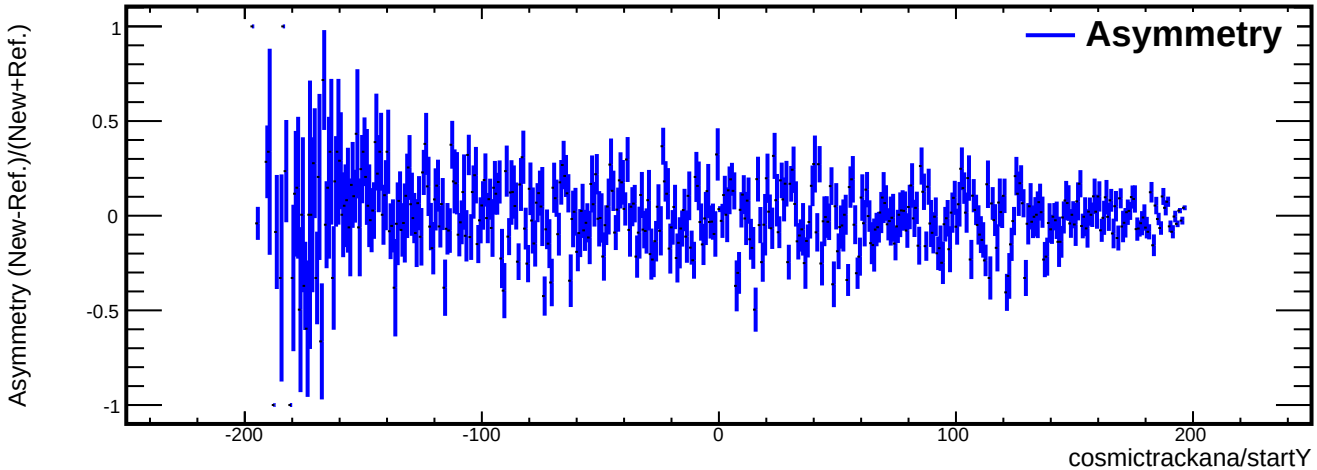

KS 0.299295, chi2 1.0143e-33
2013-03-23
2013-03-24
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

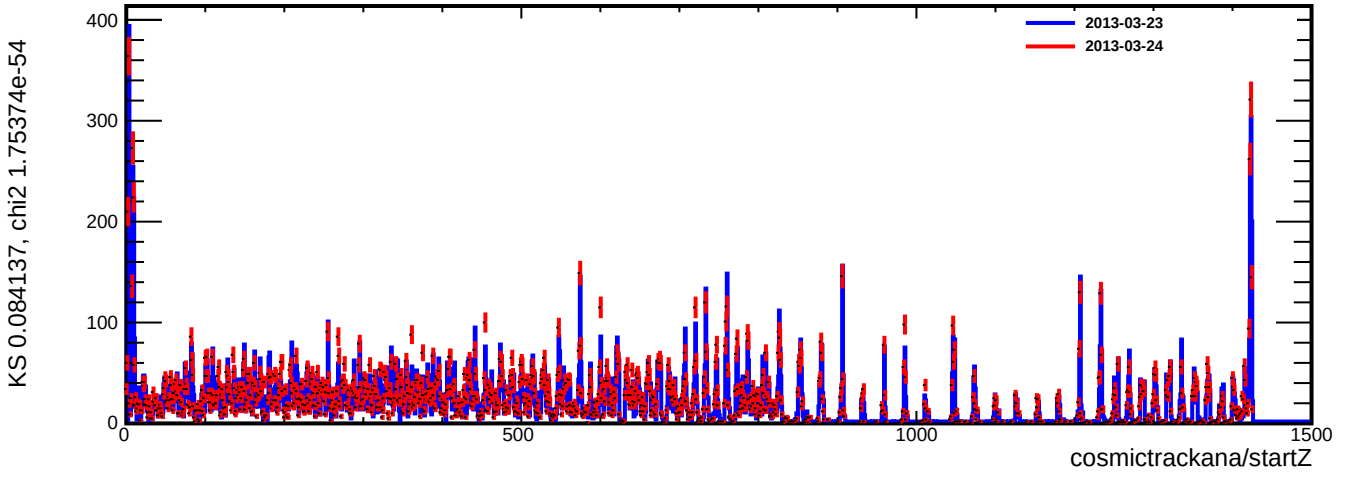

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

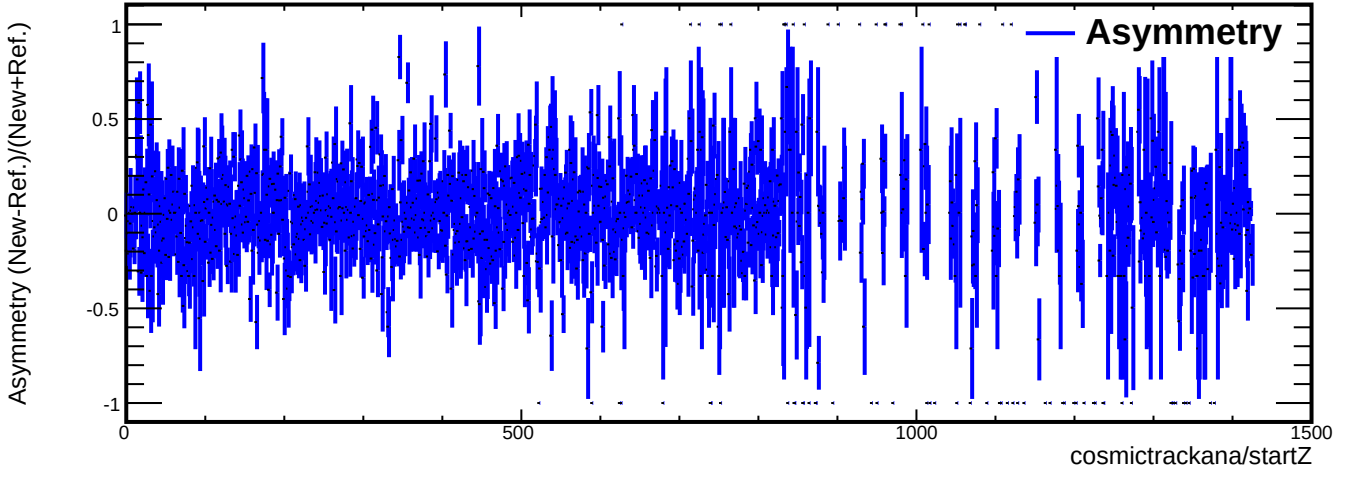

KS 0.551777, chi2 1.3496e-09
2013-03-23
2013-03-24
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

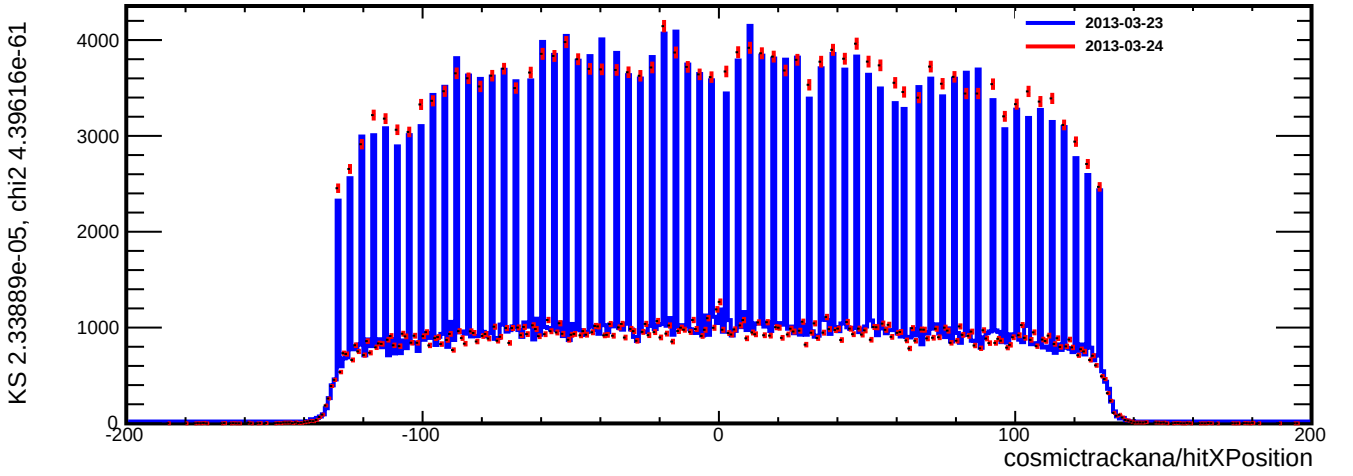

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-200
-100
0
100
200
cosmictrackana/startX

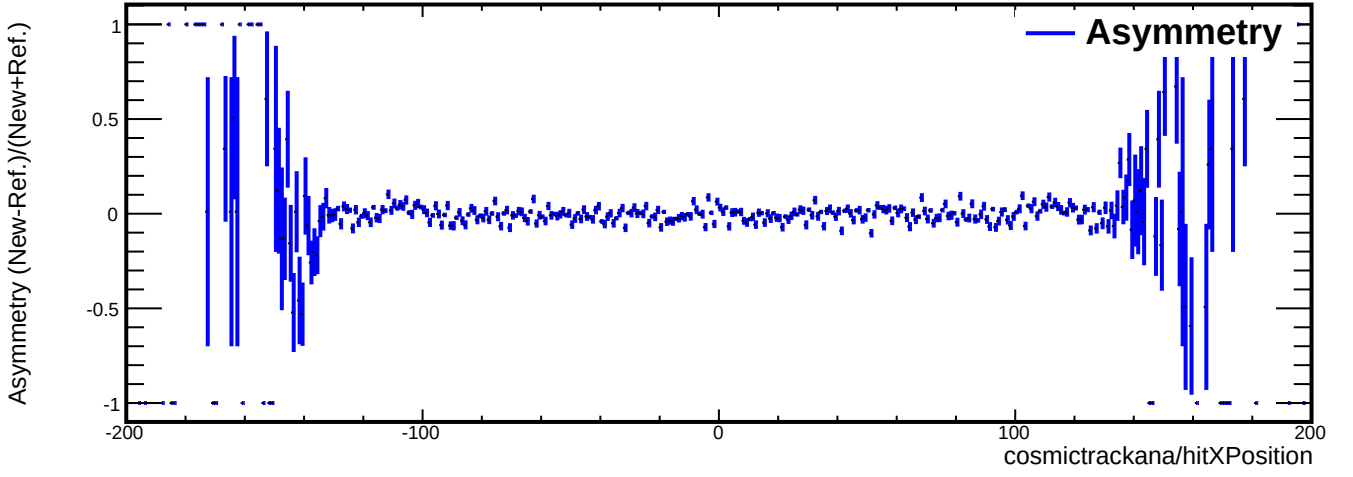

KS 0.0460074, chi2 6.59658e-19
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2013-03-23
2013-03-24

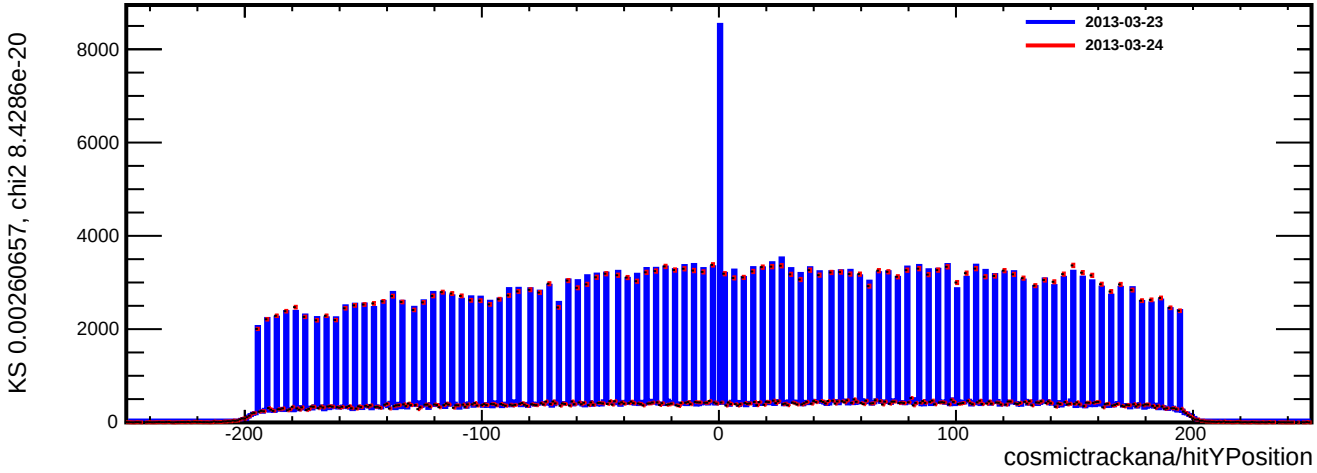

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

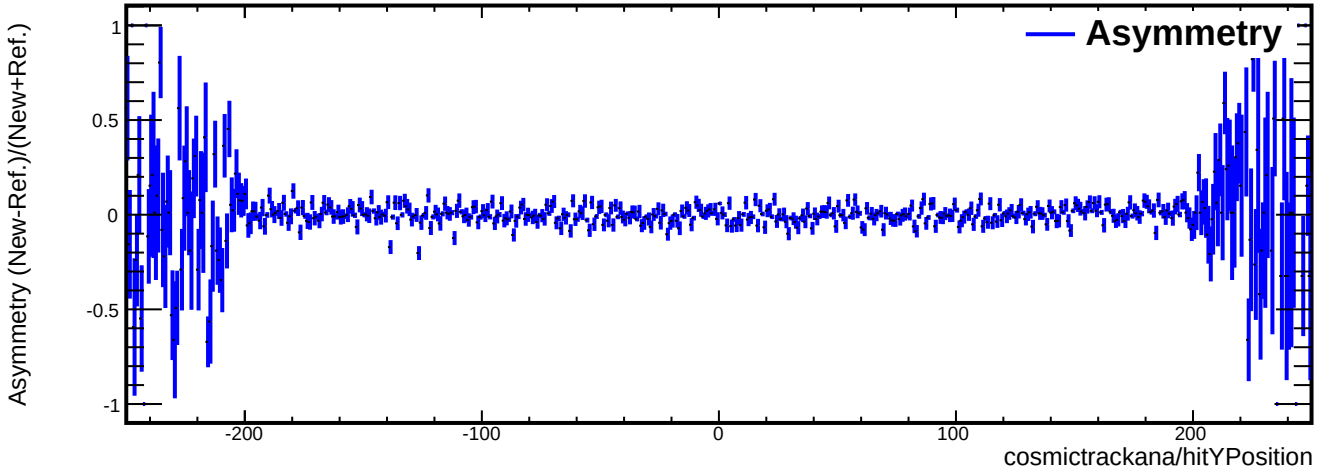

KS 0.084137, chi2 1.75374e-54
400
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ
2013-03-23
2013-03-24

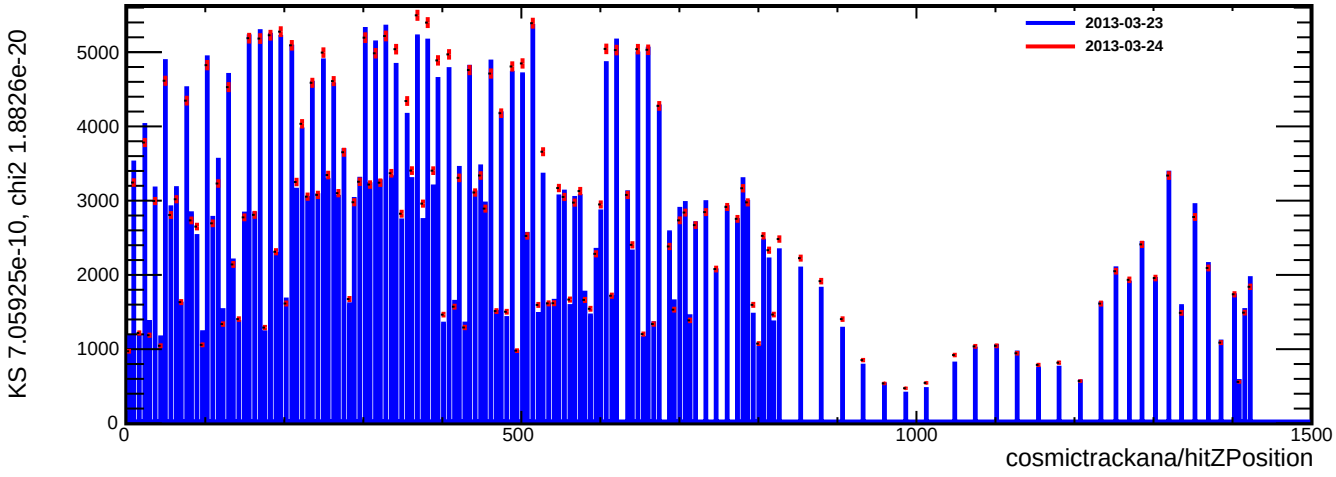

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ
Asymmetry

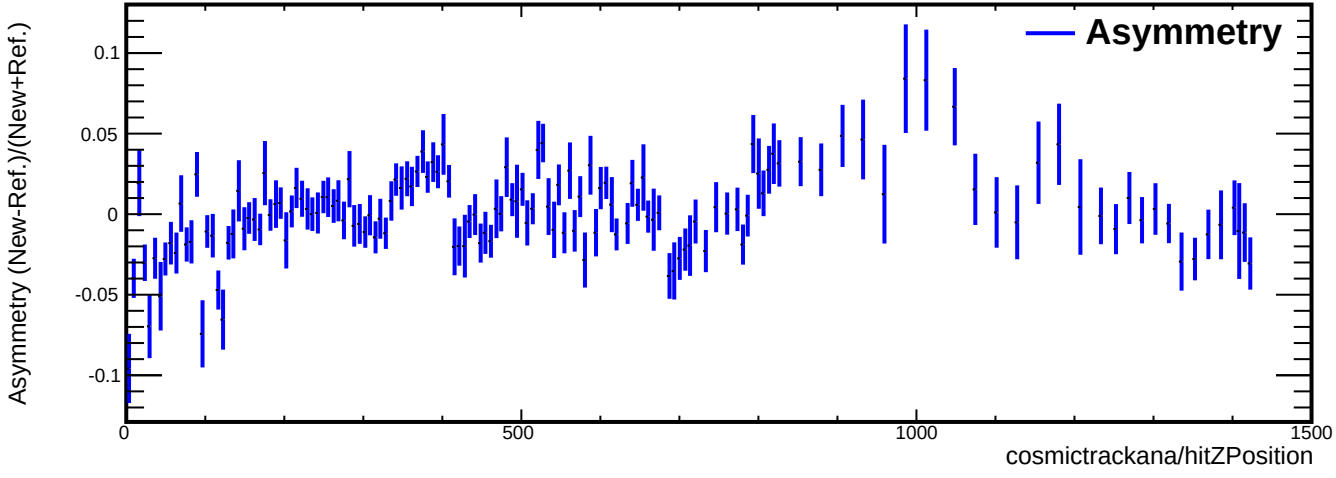

KS 2.33889e-05, chi2 4.39616e-61
2013-03-23
2013-03-24
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

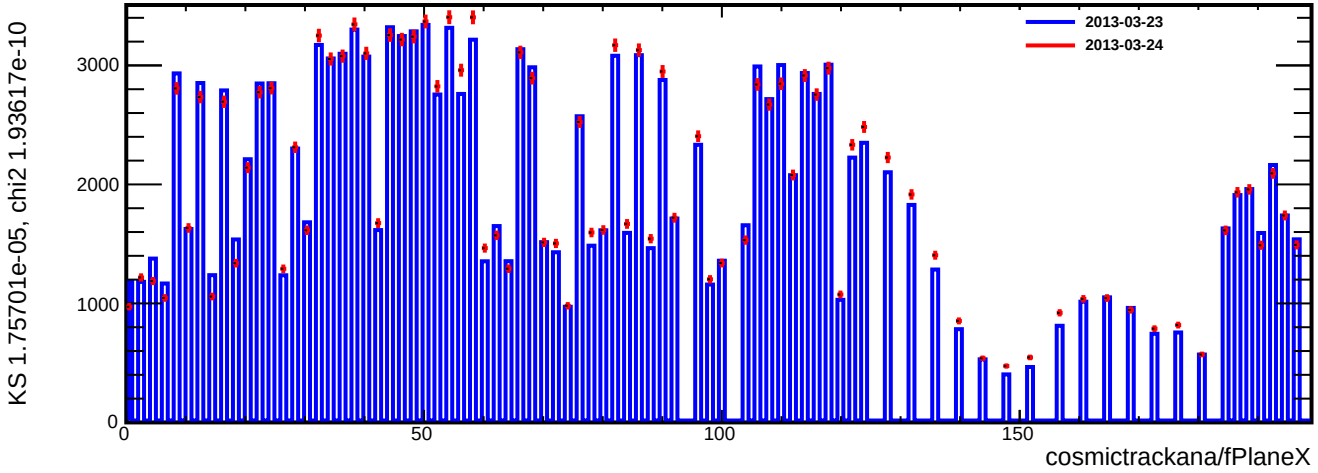

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

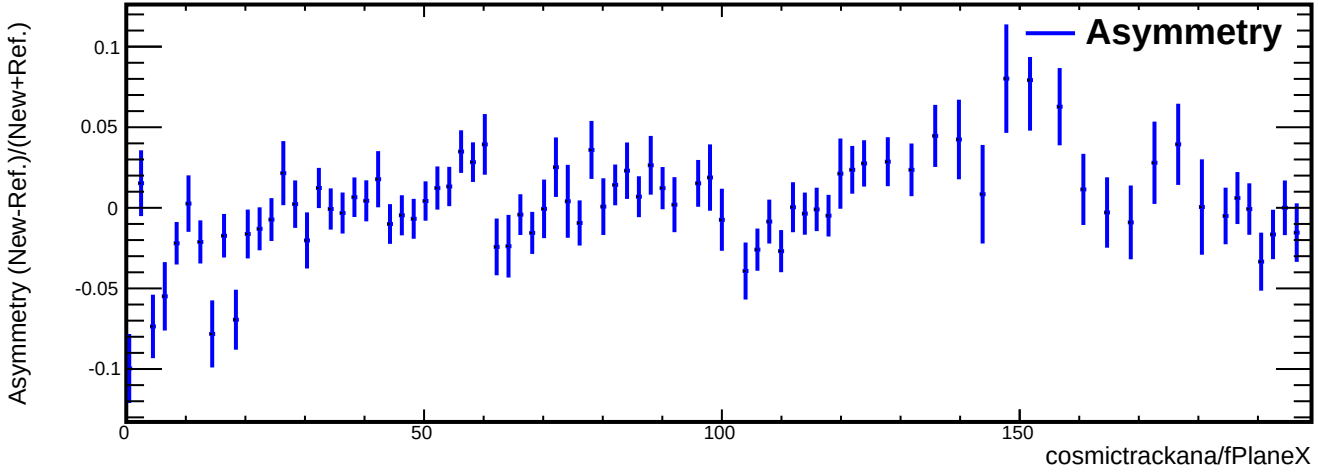

KS 0.00260657, chi2 8.4286e-20
2013-03-23
2013-03-24
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

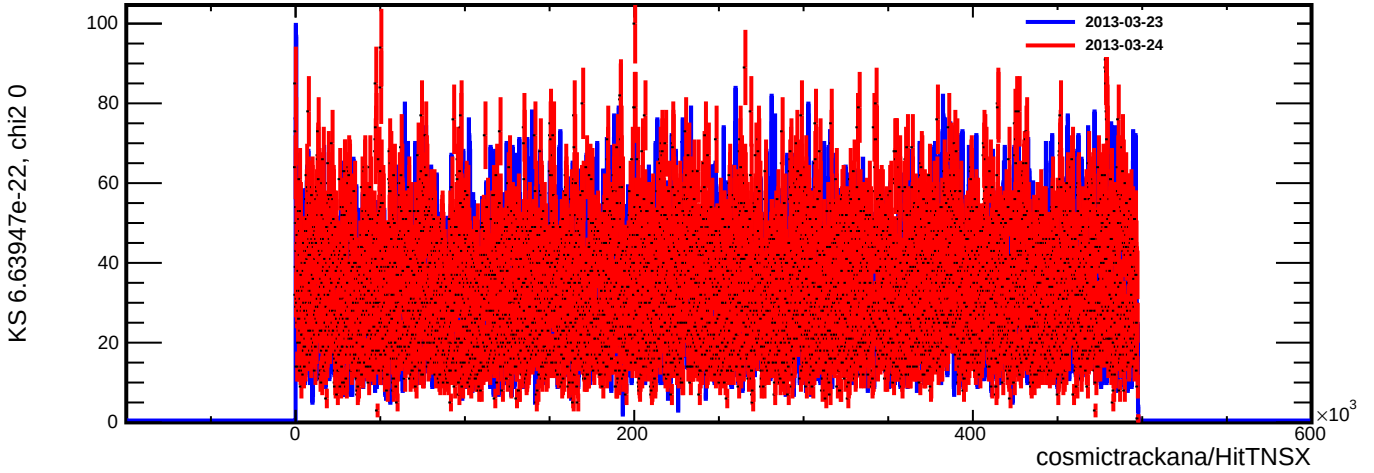

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

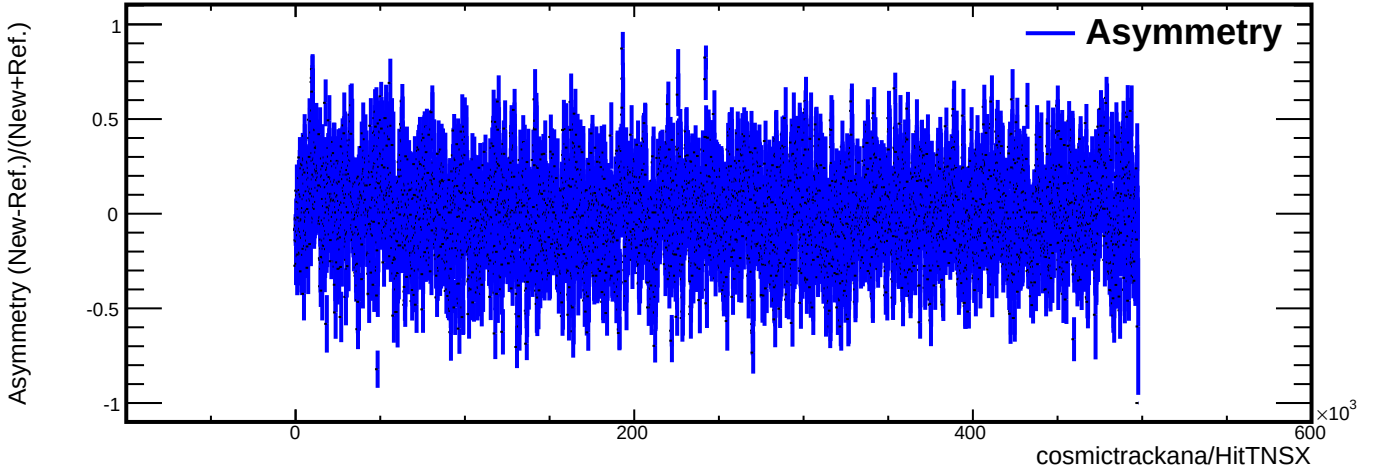

KS 7.05925e-10, chi2 1.8826e-20
2013-03-23
2013-03-24
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

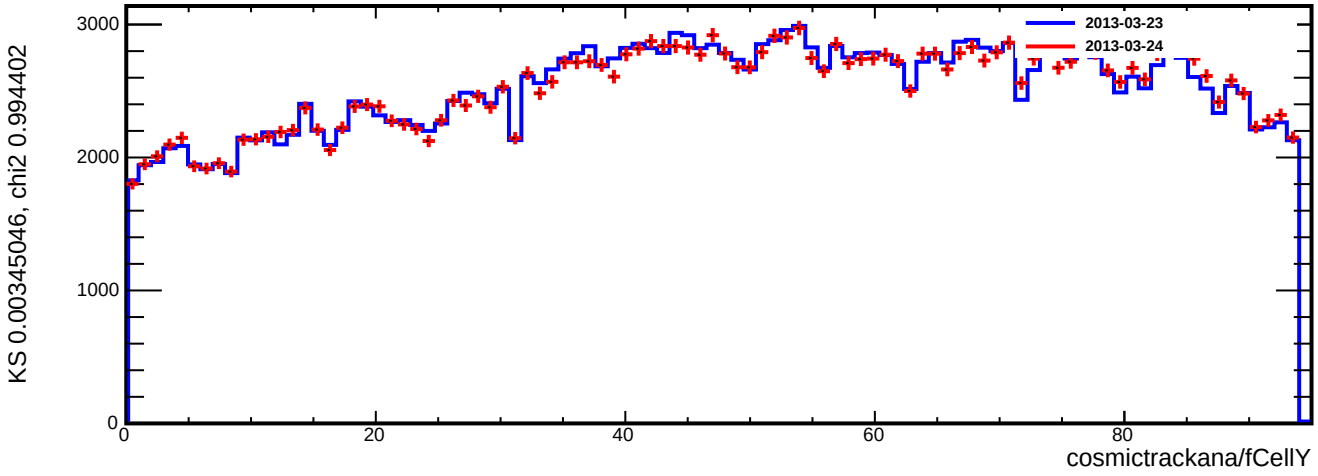

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
500
1000
1500
cosmictrackana/hitZPosition

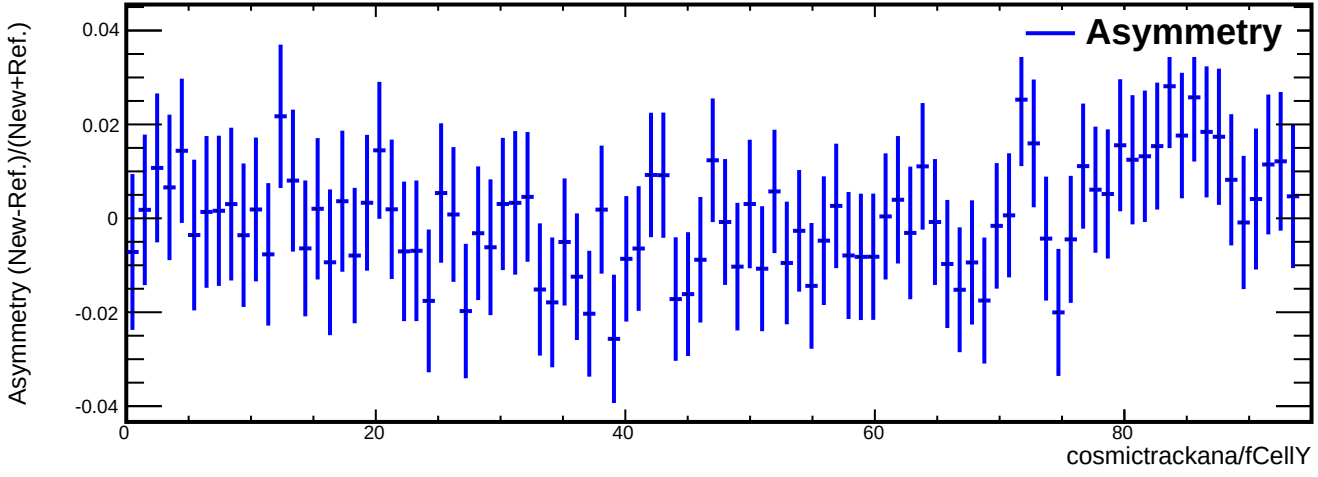

KS 1.75701e-05, chi2 1.93617e-10
2013-03-23
2013-03-24
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

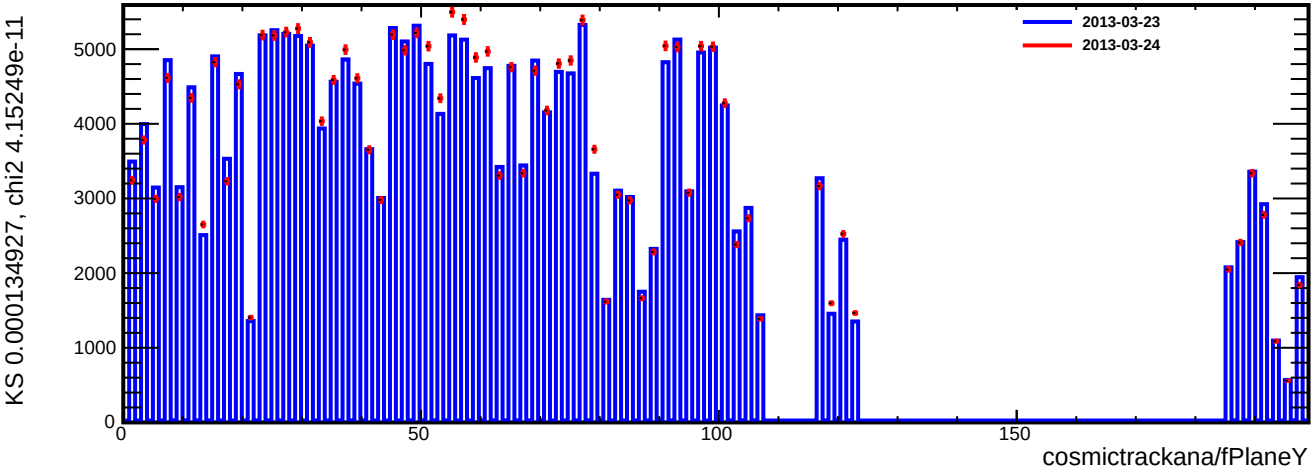

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
50
100
150
cosmictrackana/fPlaneX

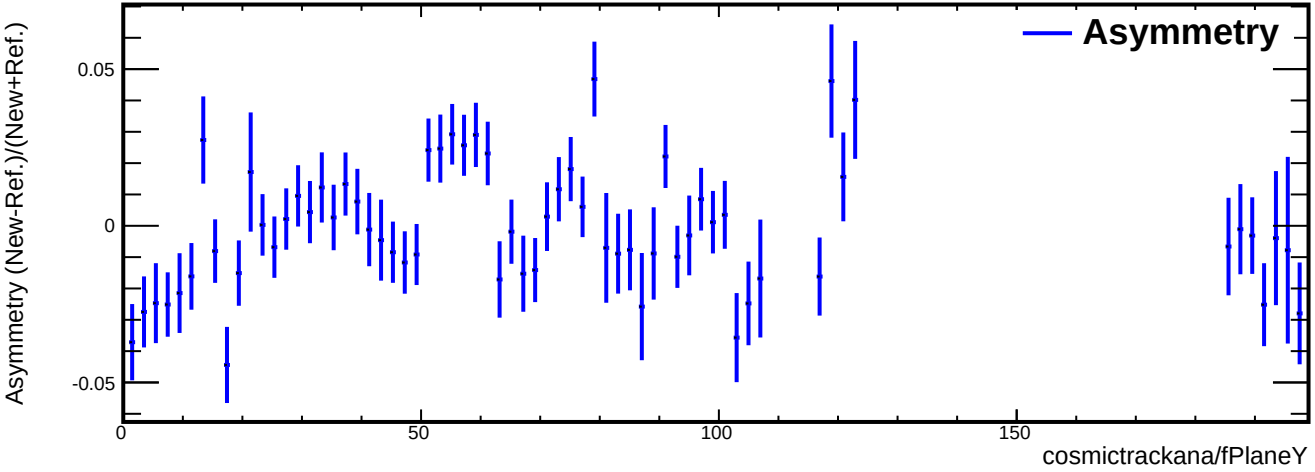

KS 6.63947e-22, chi2 0
2013-03-23
2013-03-24
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

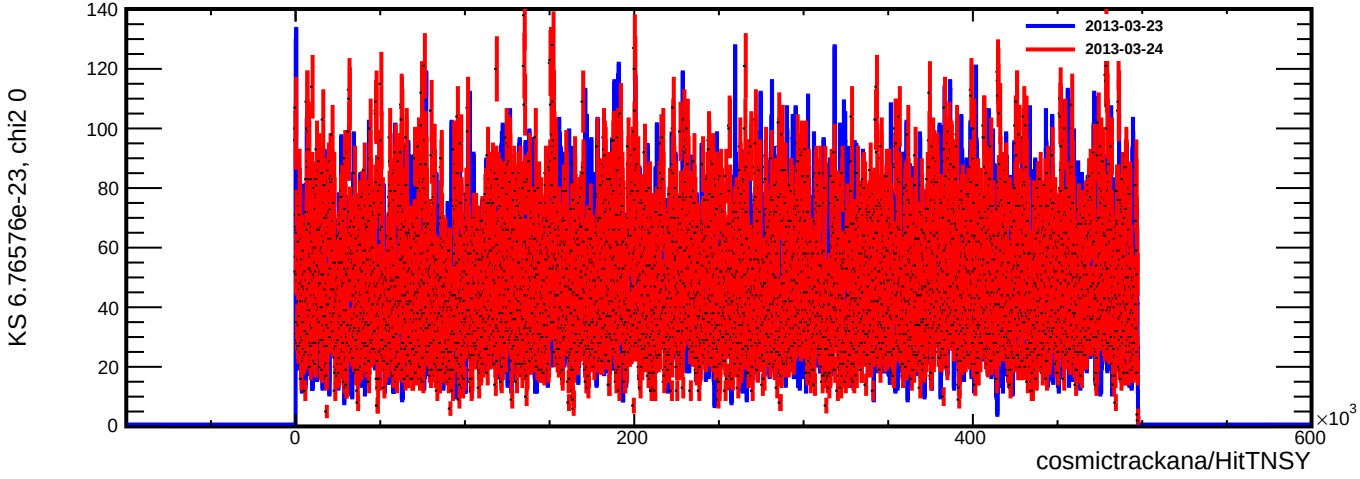

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX

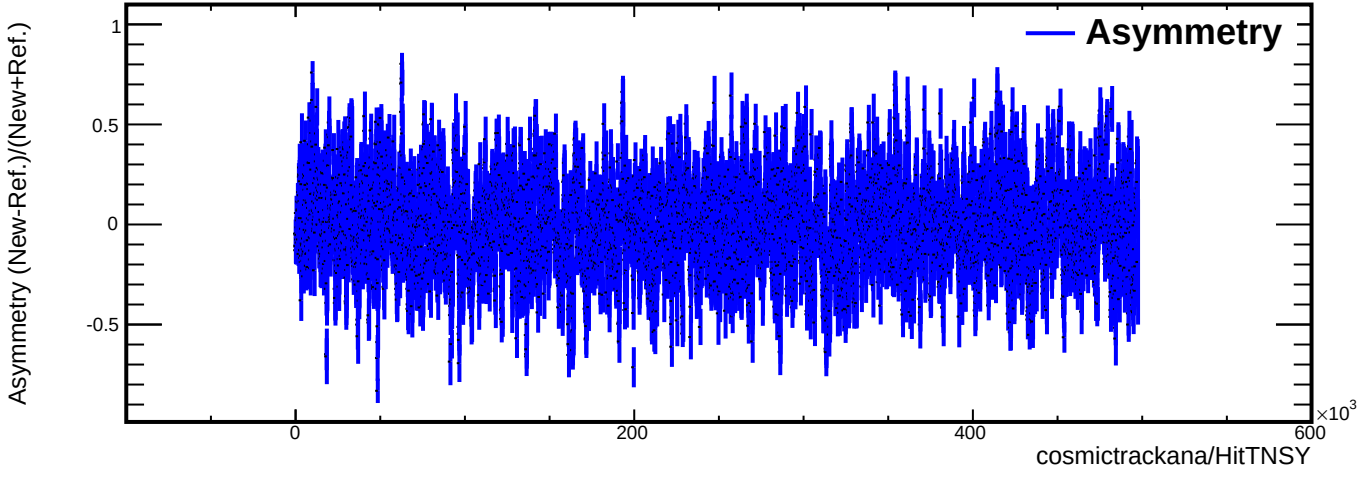

KS 0.00345046, chi2 0.994402
2013-03-23
2013-03-24
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY


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


KS 0.000134927, chi2 4.15249e-11
2013-03-23
2013-03-24
cosmictrackana/fPlaneY


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


KS 6.76576e-23, chi2 0
2013-03-23
2013-03-24
cosmictrackana/HitTNSY
×10^3


Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/HitTNSY
×10^3