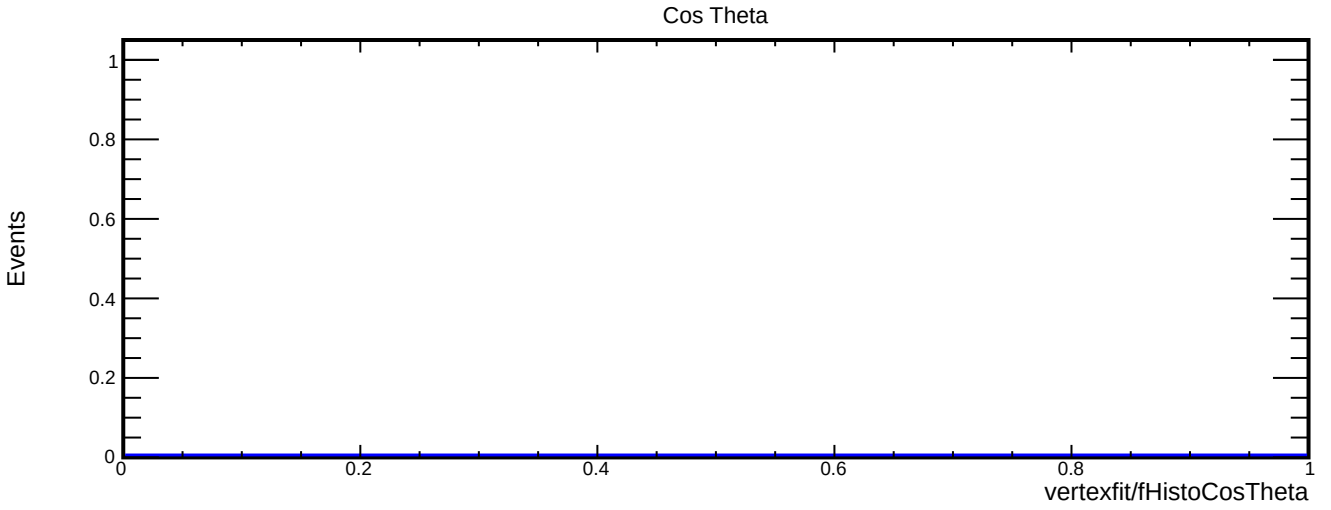
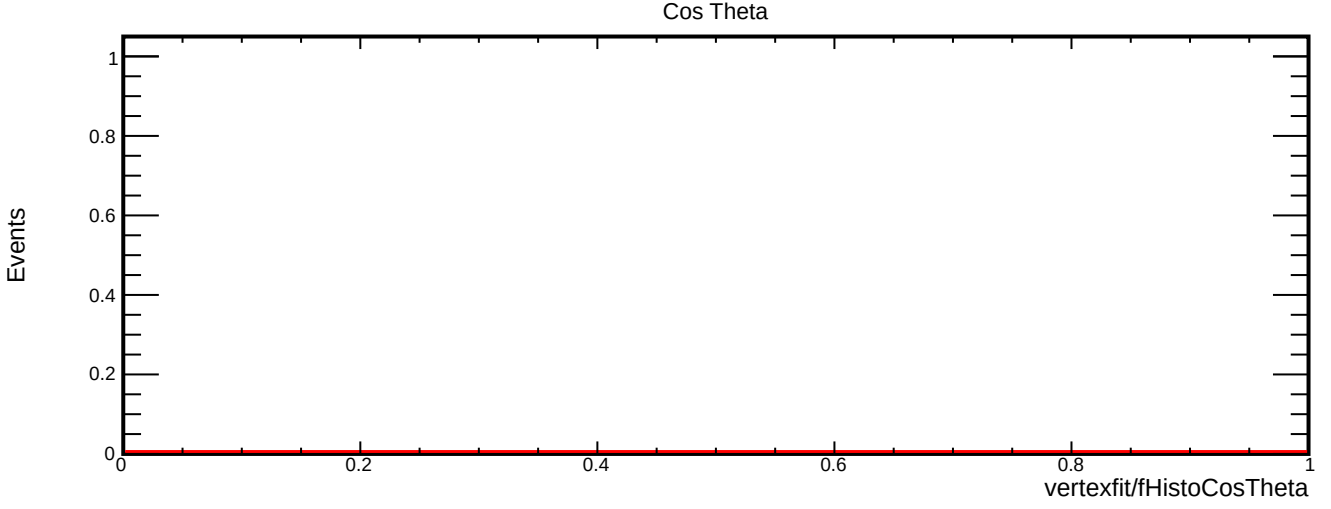
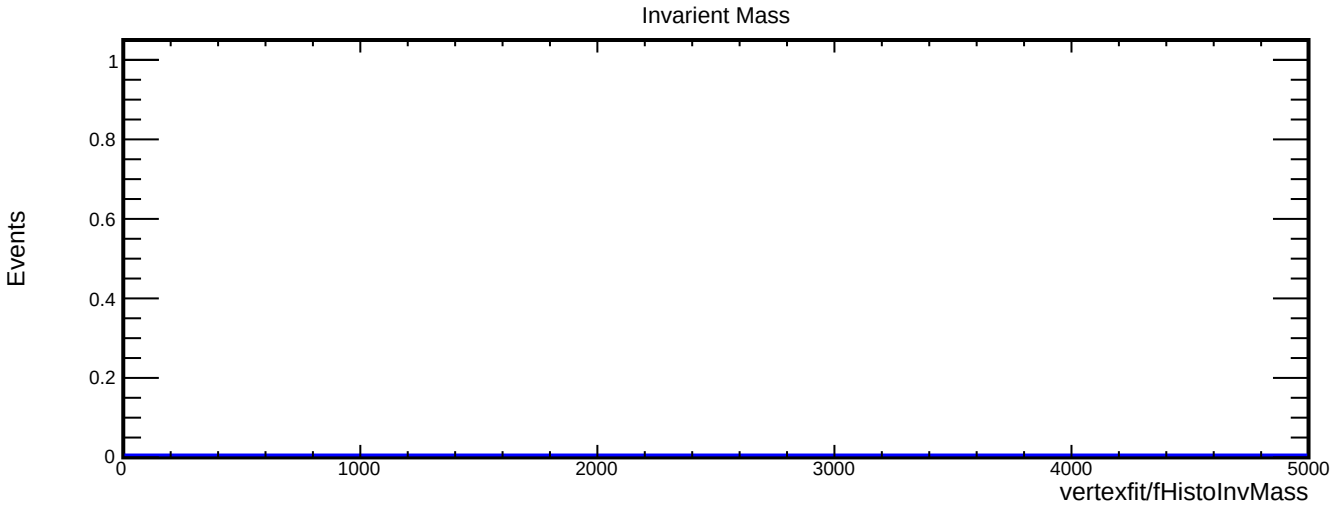
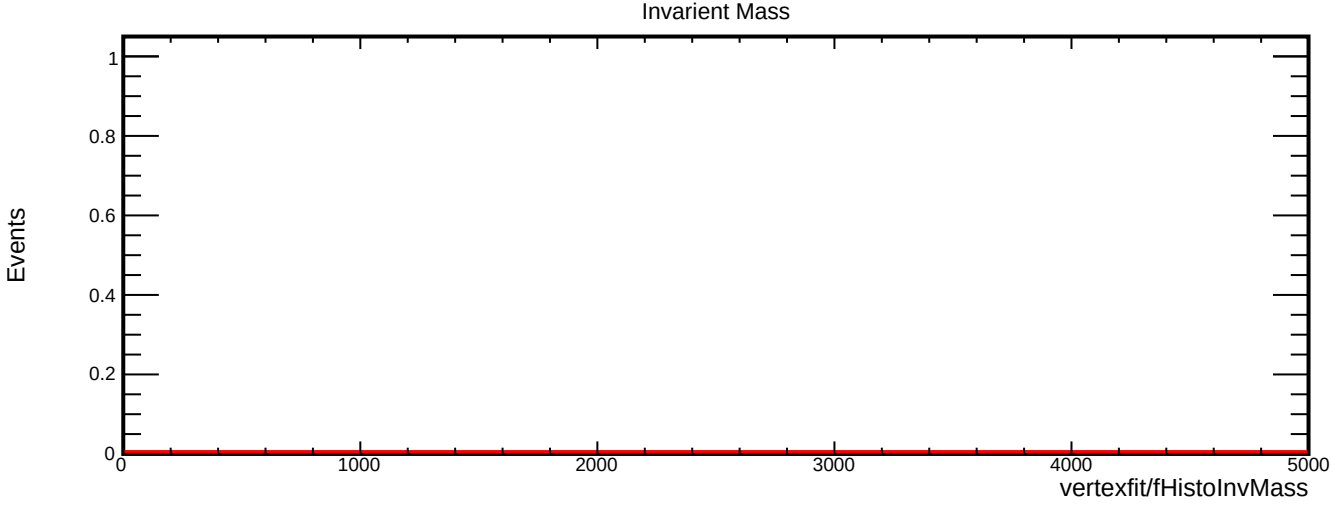
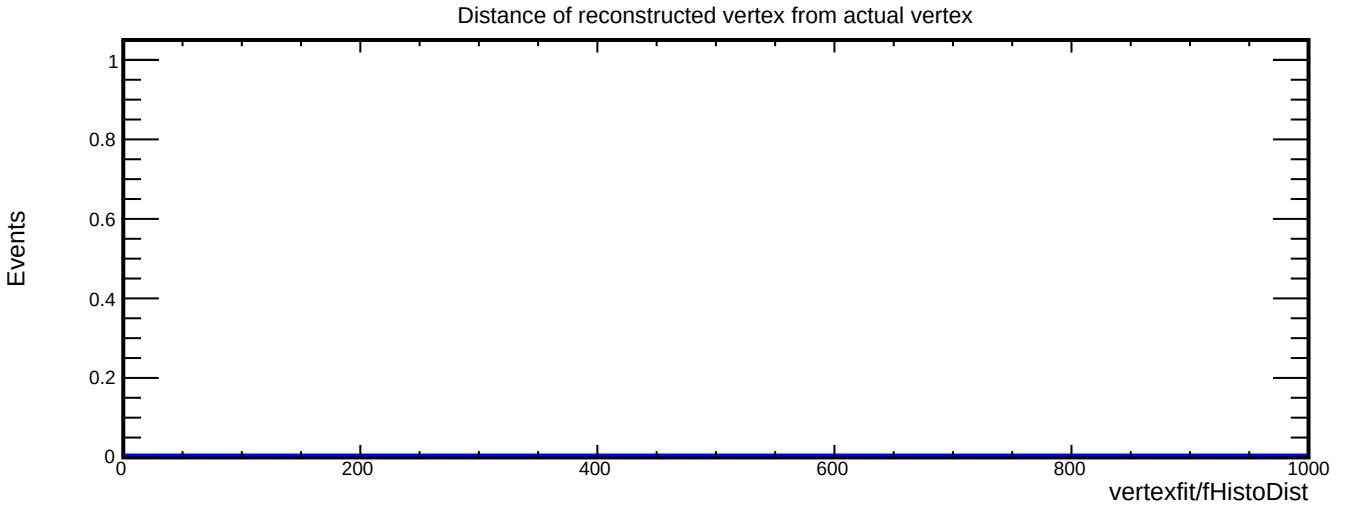
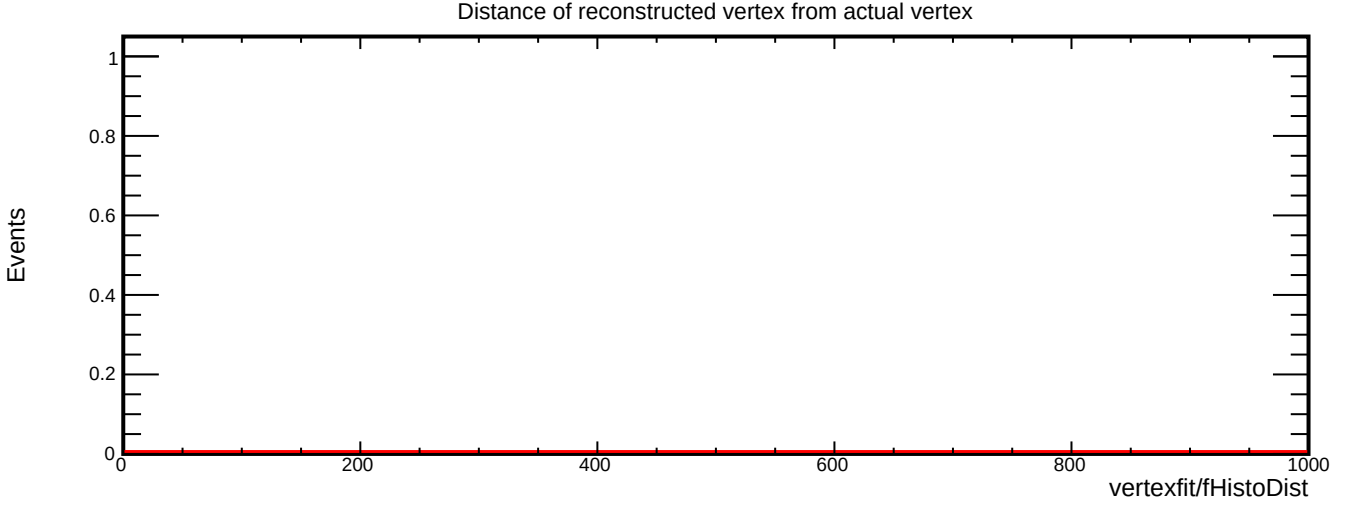

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

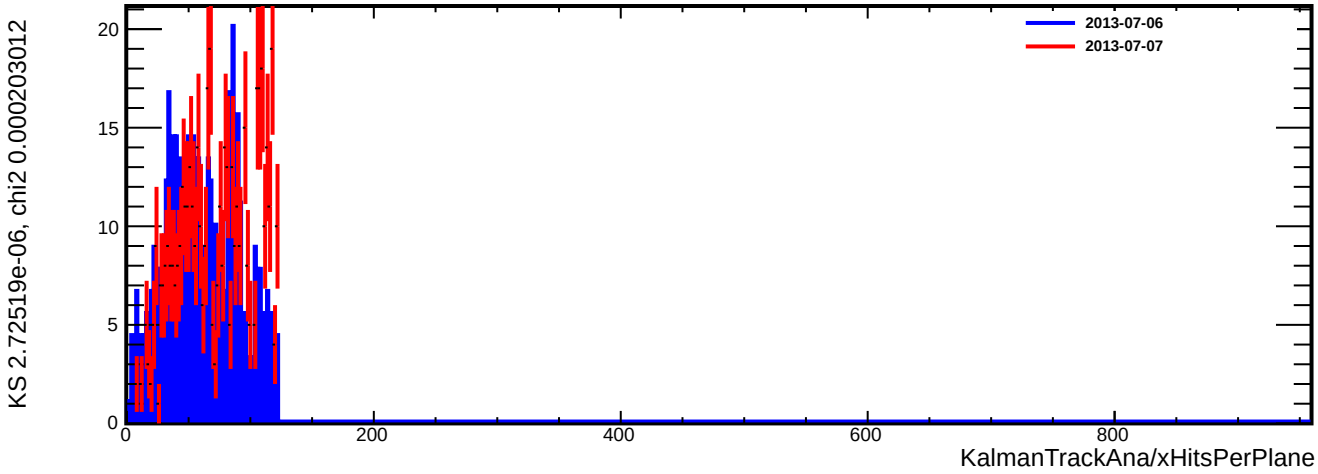

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

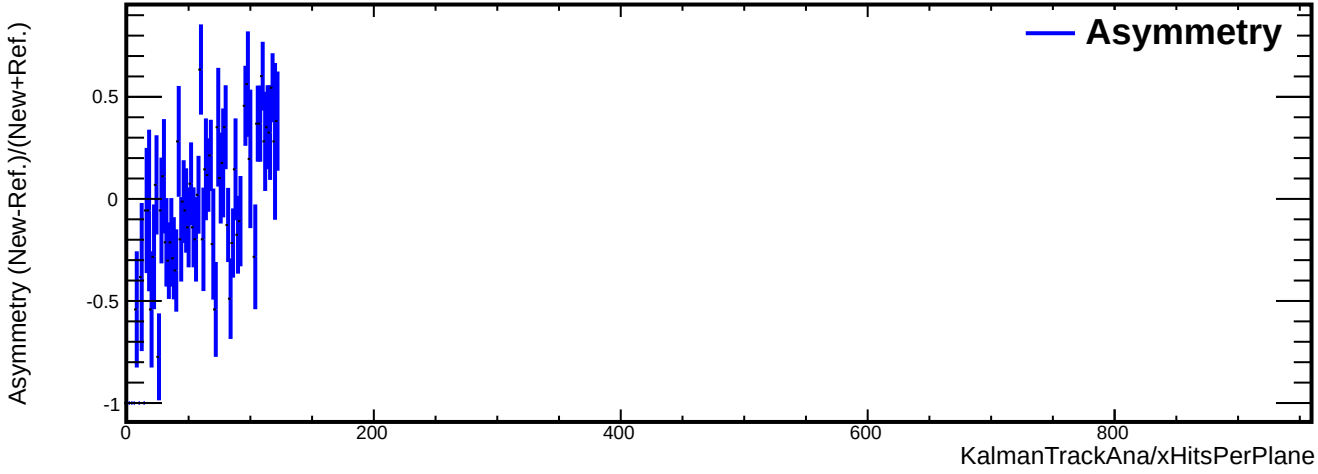

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

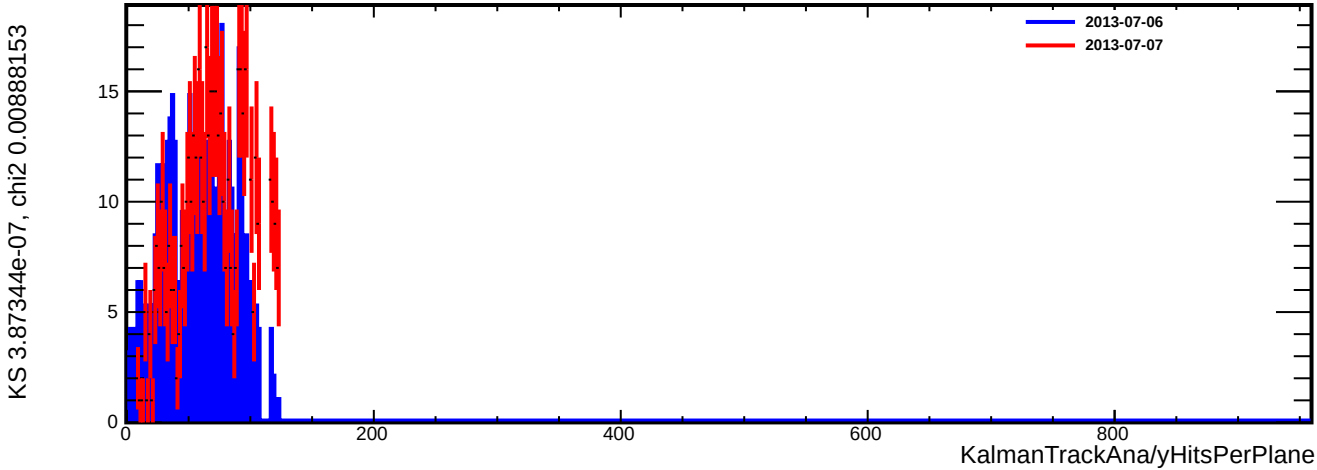

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

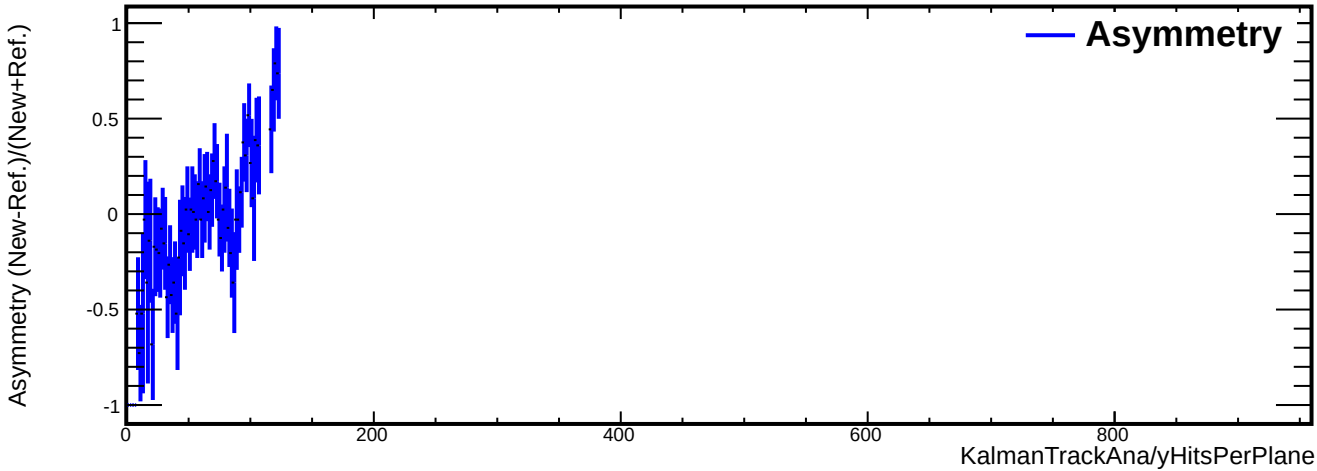

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

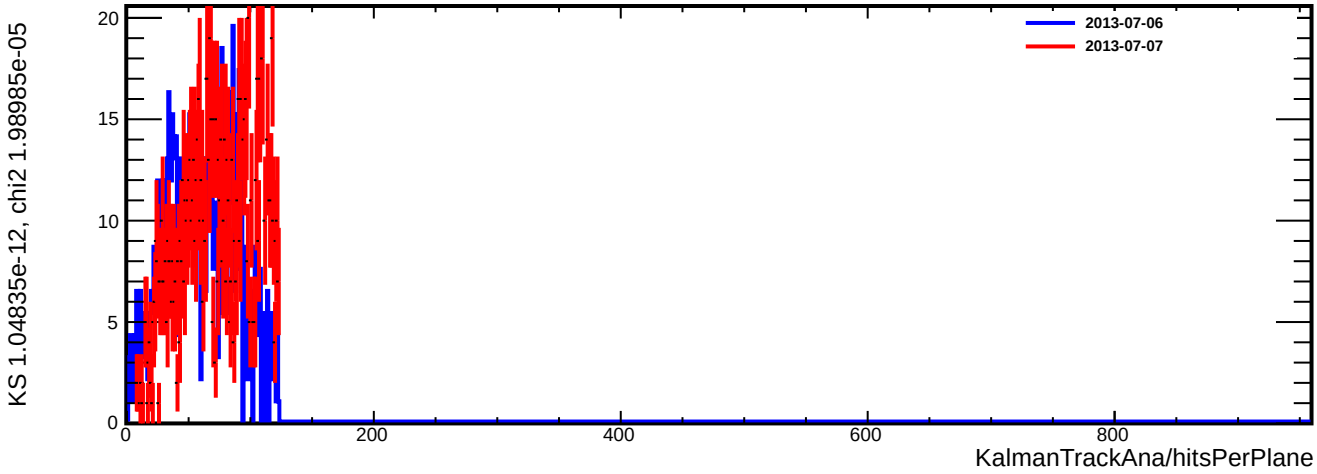

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

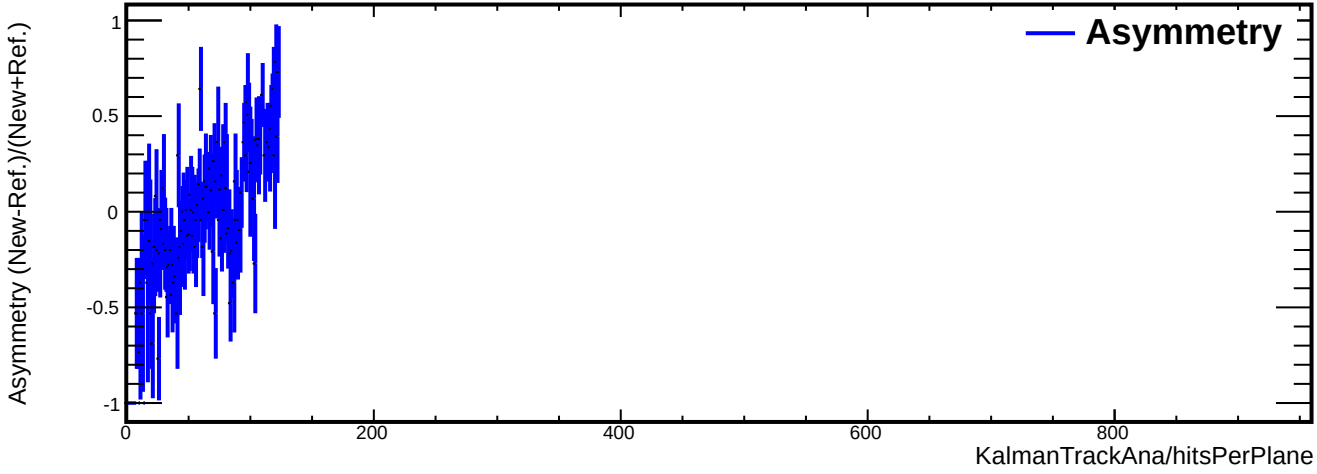

KS 2.72519e-06, chi2 0.000203012
2013-07-06
2013-07-07
0
5
10
15
20
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

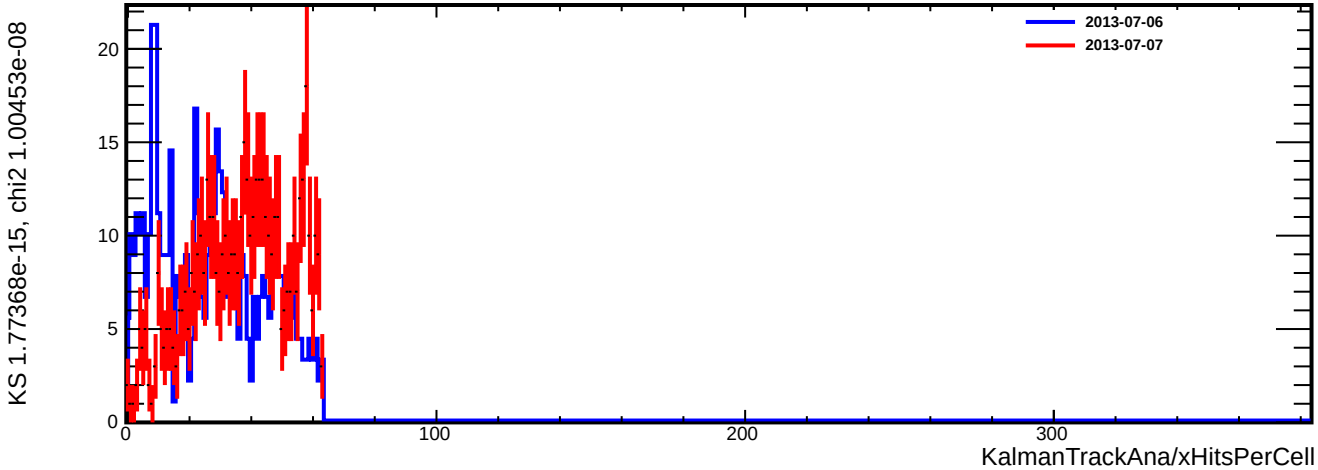

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-1
-0.5
0
0.5
0
200
400
600
800
KalmanTrackAna/xHitsPerPlane

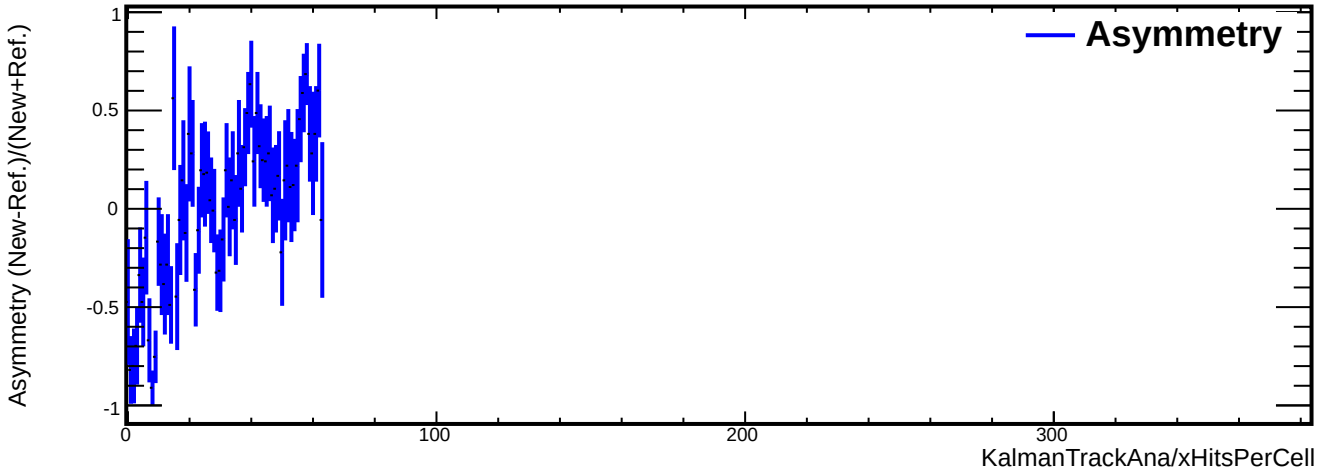

KS 3.87344e-07, chi2 0.00888153
2013-07-06
2013-07-07
0
5
10
15
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

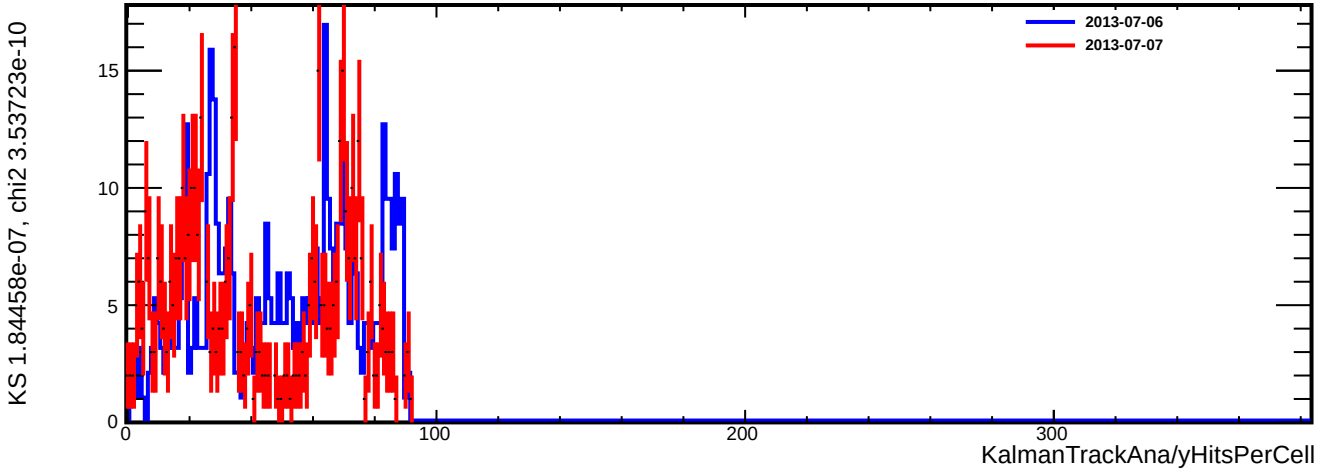

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
KalmanTrackAna/yHitsPerPlane

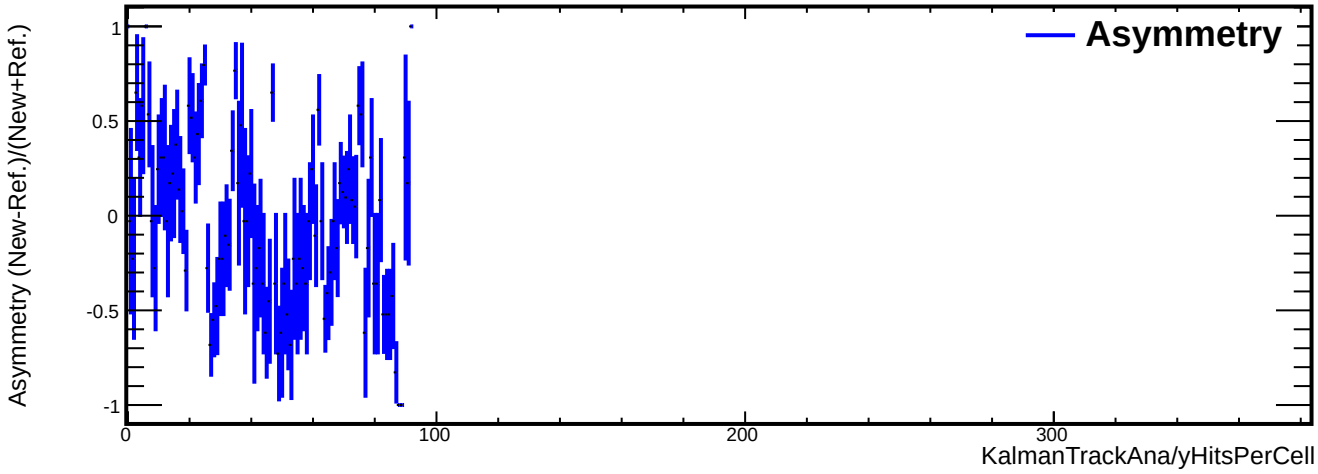

KS 1.04835e-12, chi2 1.98985e-05
2013-07-06
2013-07-07
KalmanTrackAna/hitsPerPlane

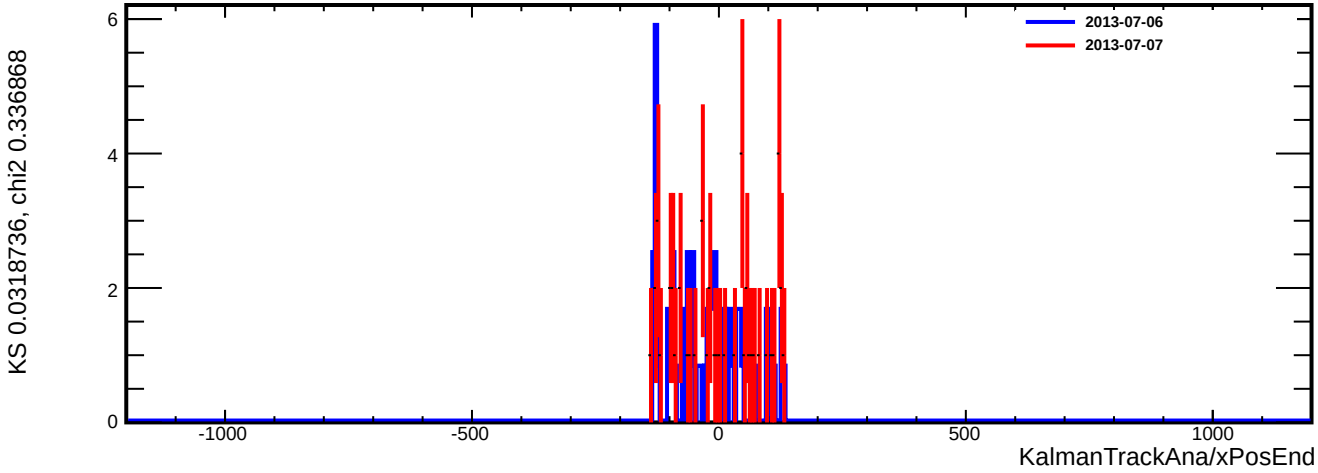

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/hitsPerPlane

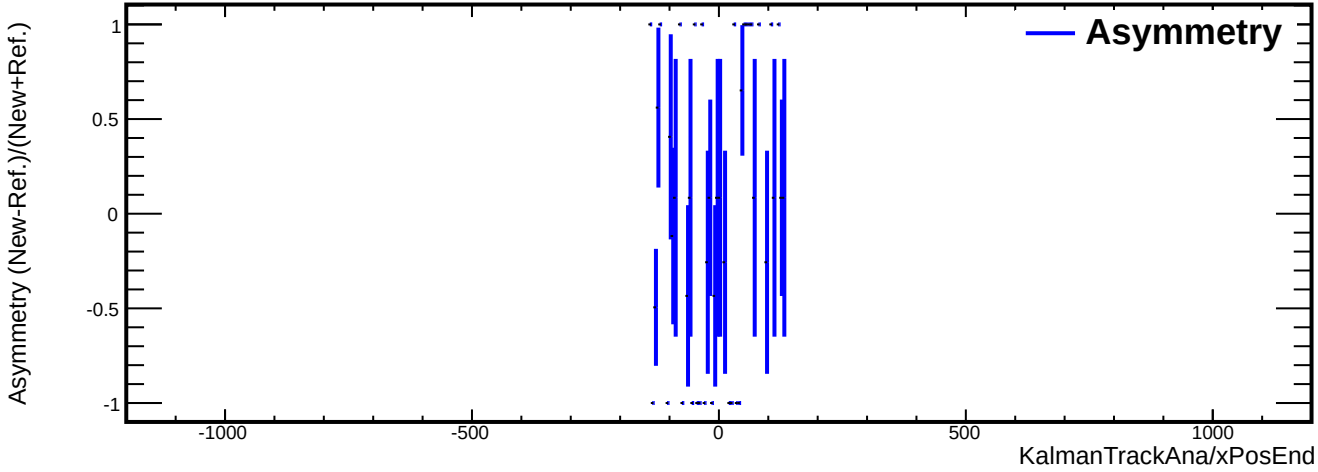

KS 1.77368e-15, chi2 1.00453e-08
2013-07-06
2013-07-07
0
5
10
15
20
0
100
200
300
KalmanTrackAna/xHitsPerCell

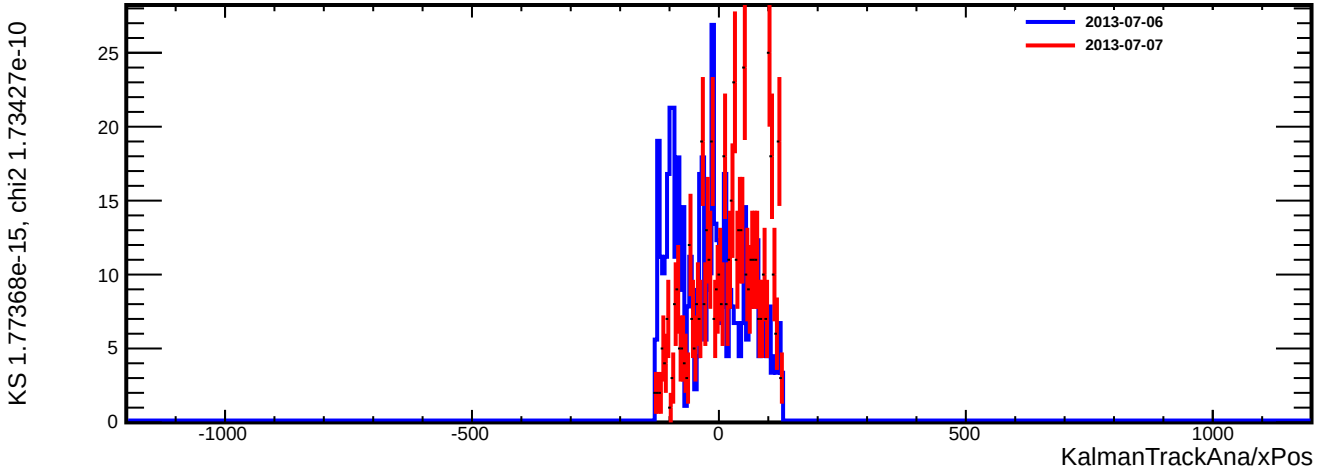

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/xHitsPerCell

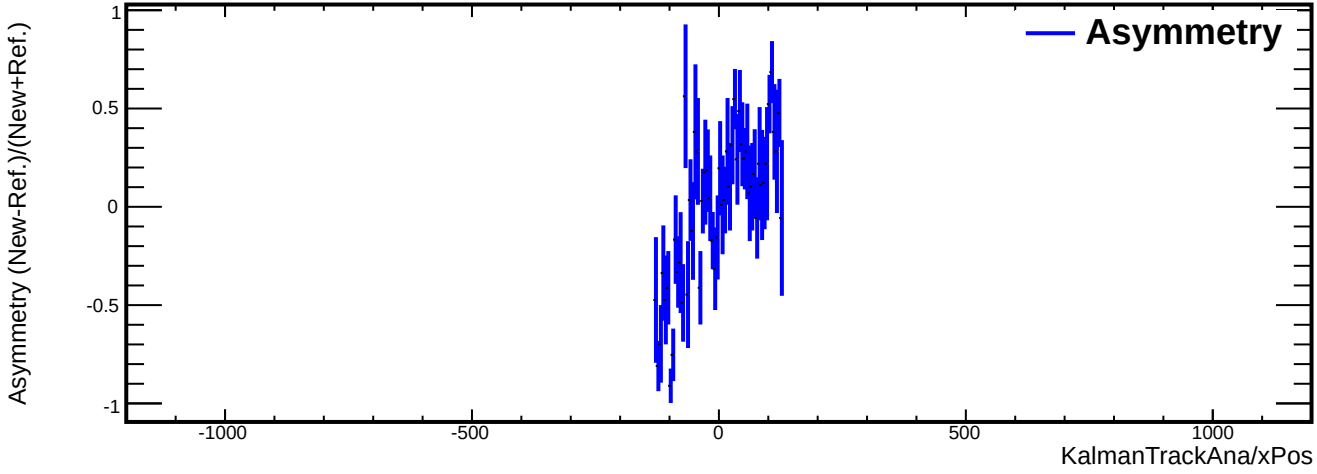

KS 1.84458e-07, chi2 3.53723e-10
2013-07-06
2013-07-07
0
5
10
15
0
100
200
300
KalmanTrackAna/yHitsPerCell

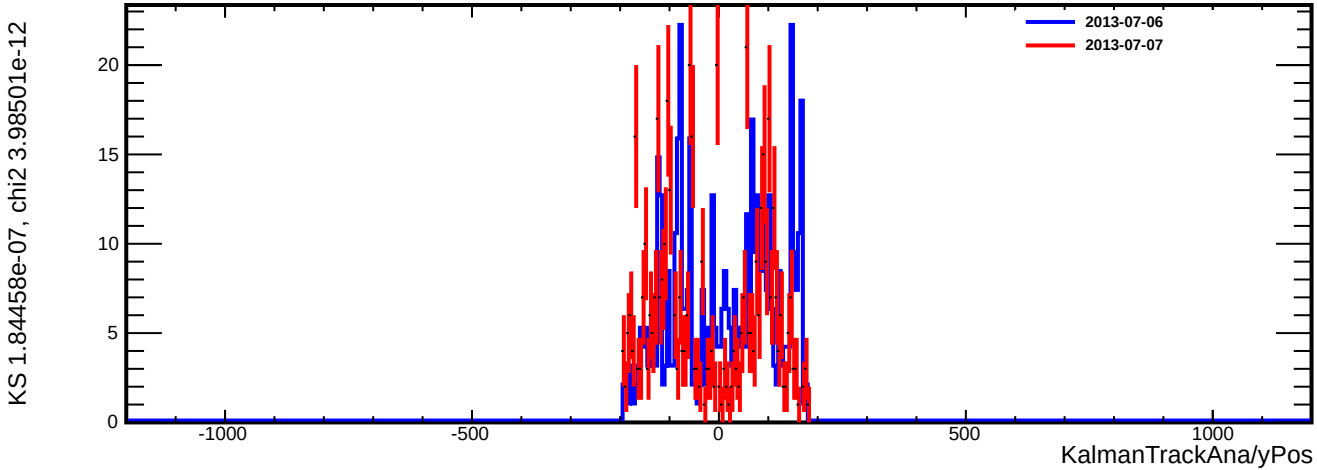

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/yHitsPerCell

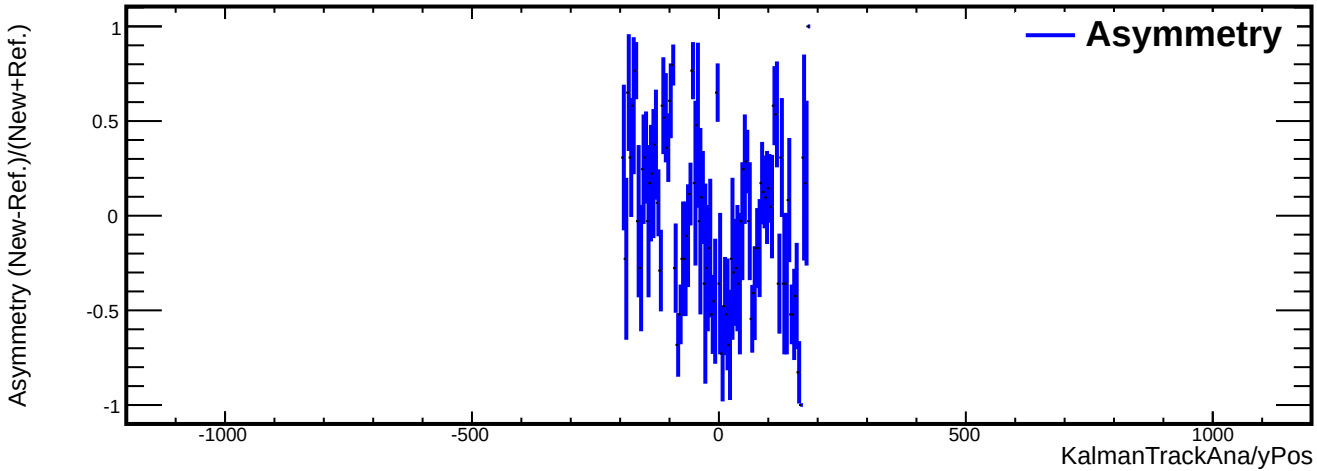

KS 0.0318736, chi2 0.336868
2013-07-06
2013-07-07
KalmanTrackAna/xPosEnd

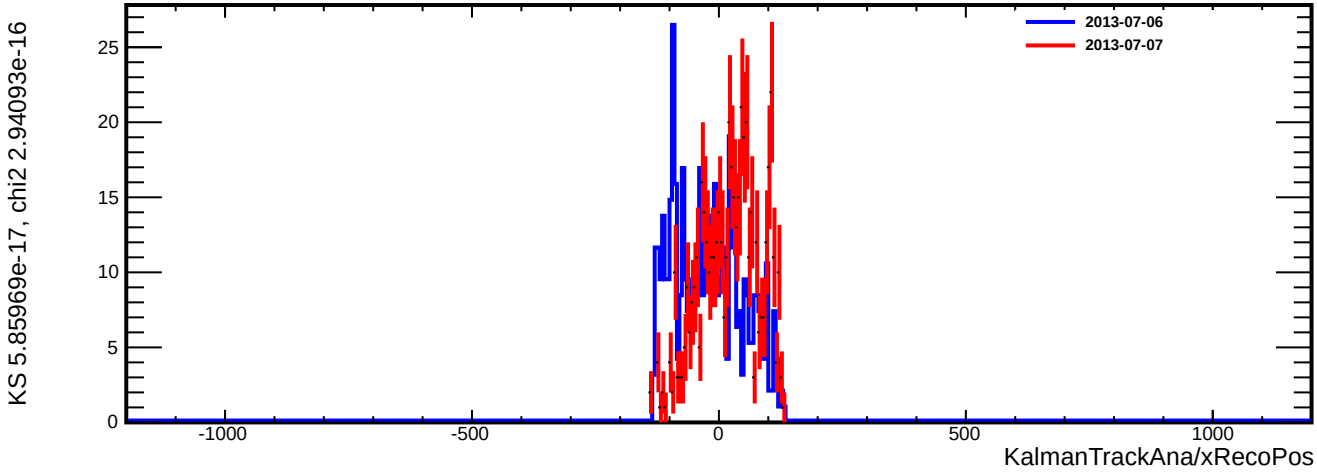

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/xPosEnd

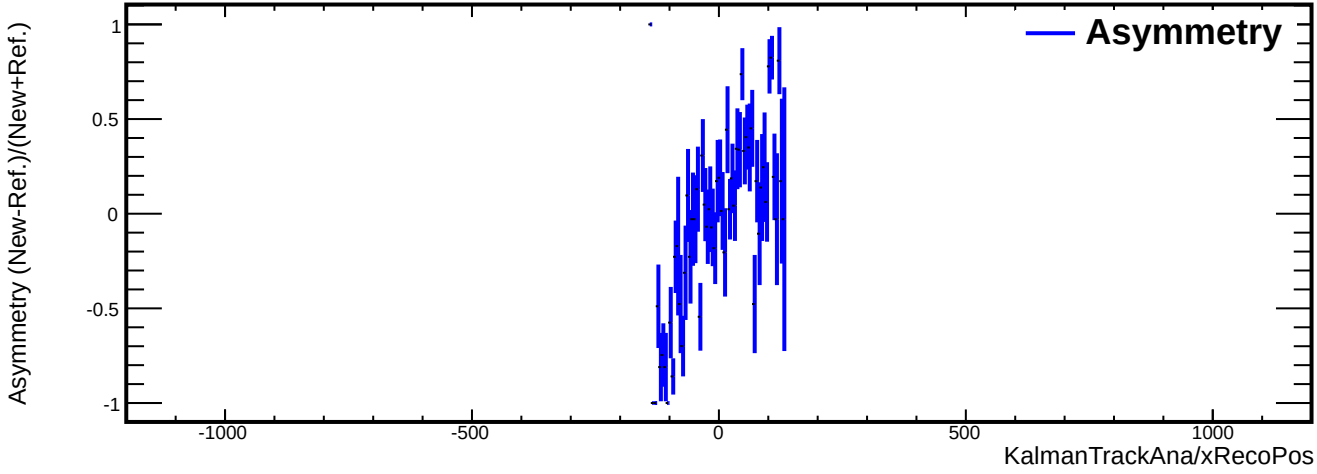

KS 1.77368e-15, chi2 1.73427e-10
2013-07-06
2013-07-07
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xPos

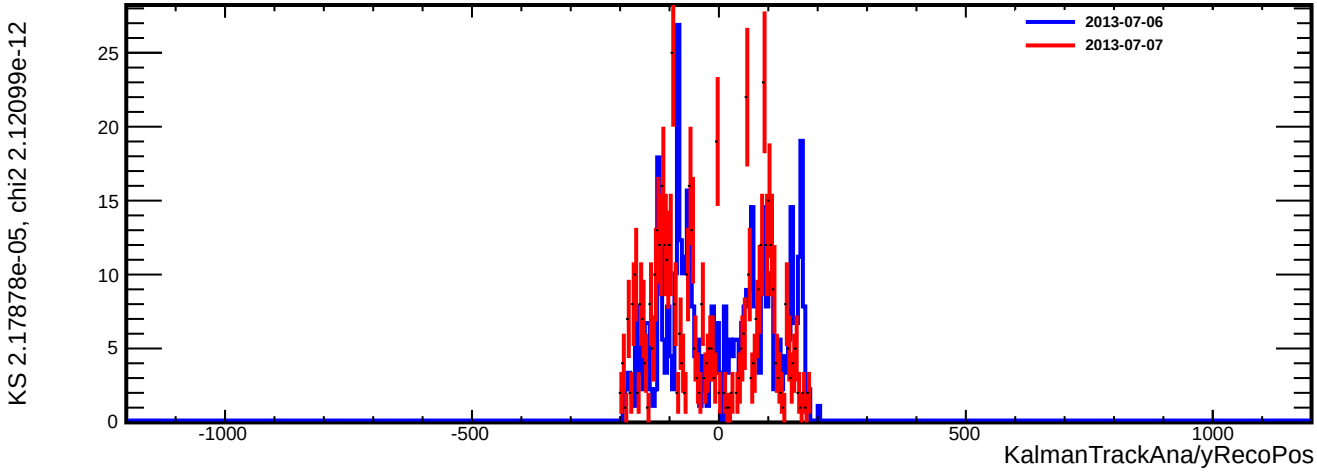

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xPos

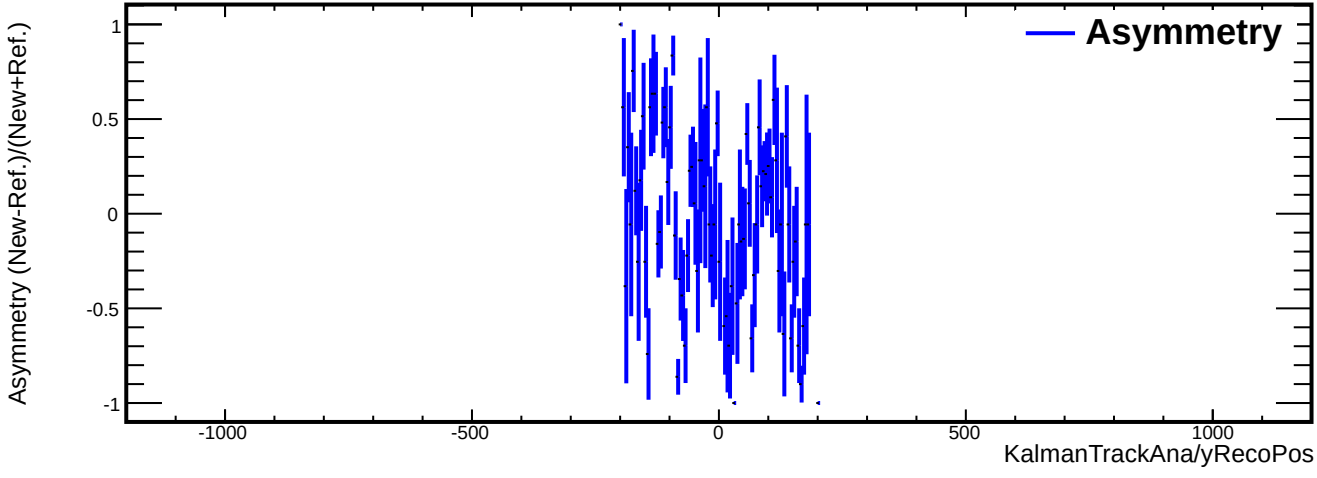

KS 1.84458e-07, chi2 3.98501e-12
2013-07-06
2013-07-07
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yPos

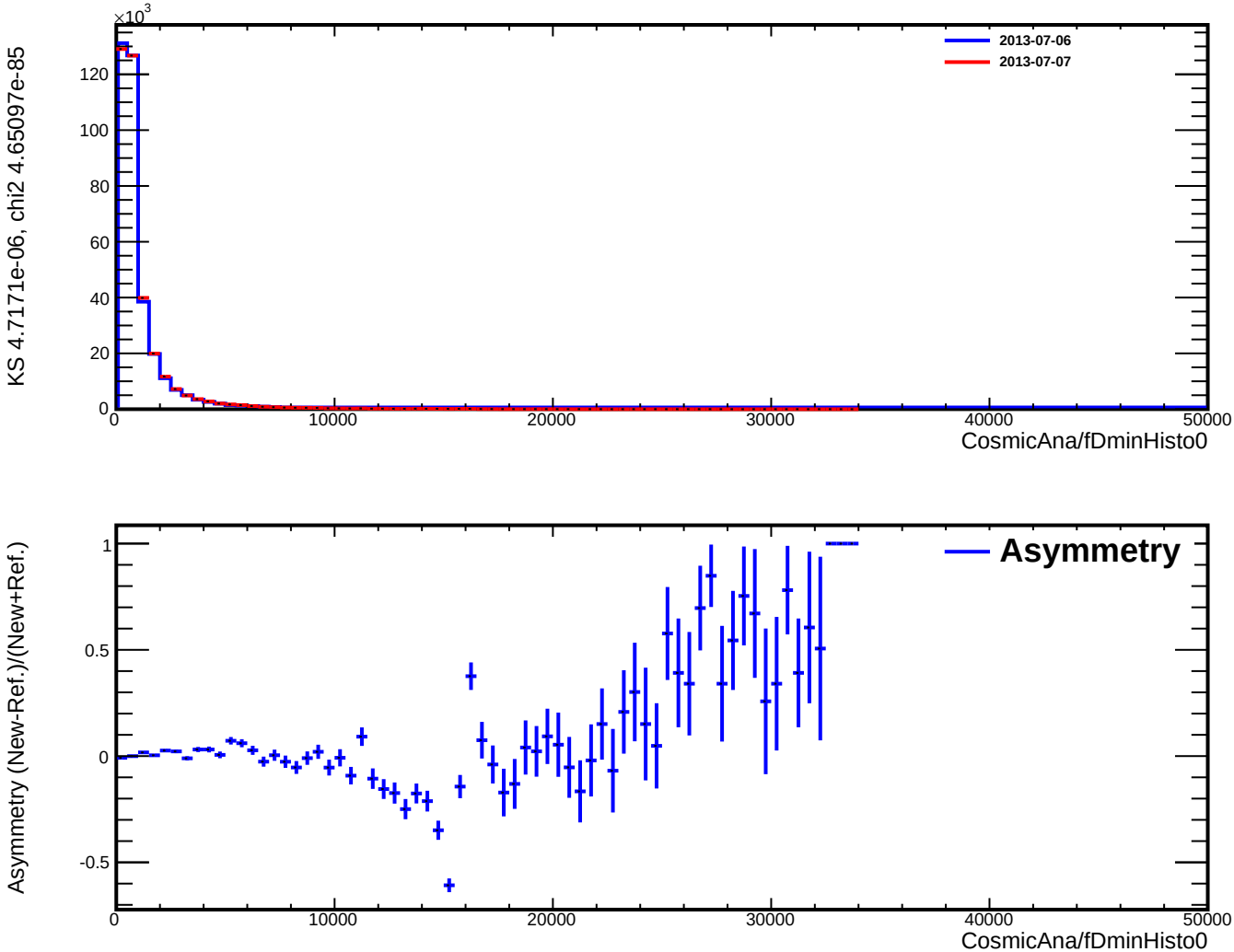

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yPos

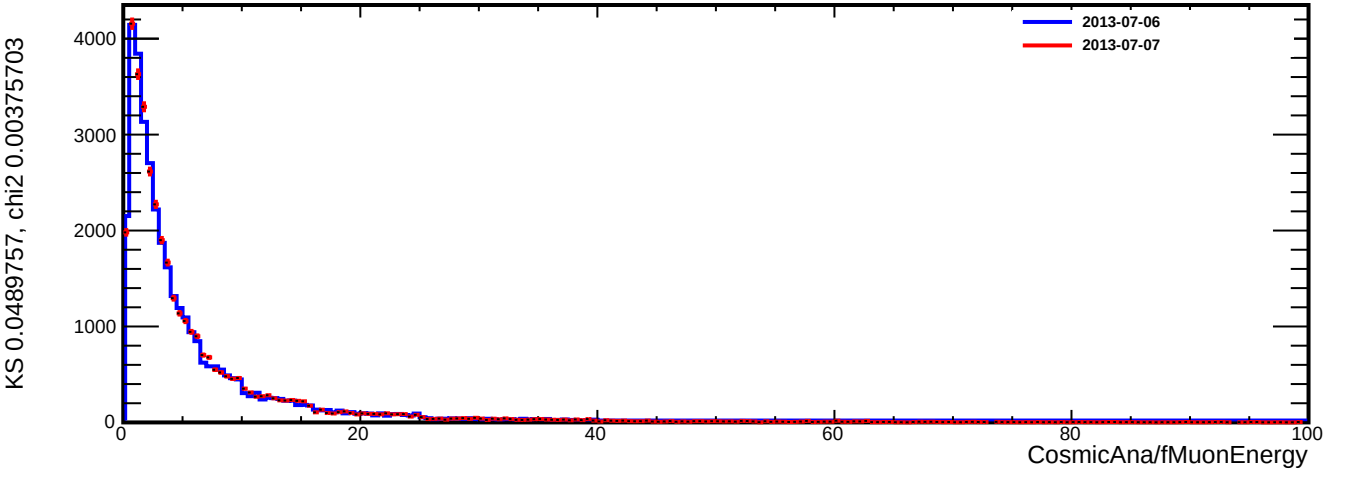

KS 5.85969e-17, chi2 2.94093e-16
2013-07-06
2013-07-07
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

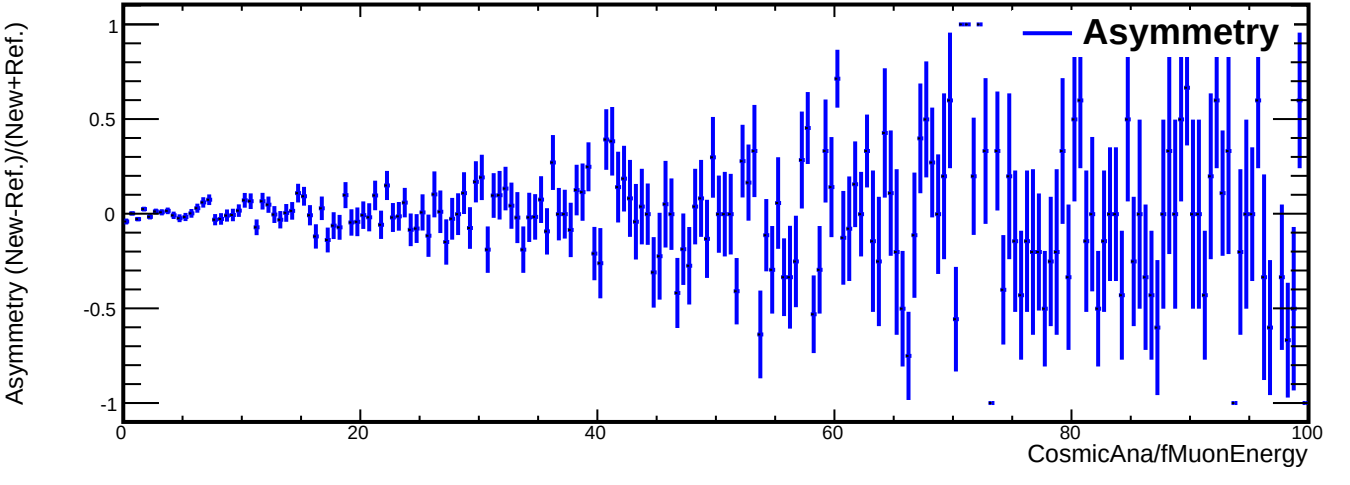

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/xRecoPos

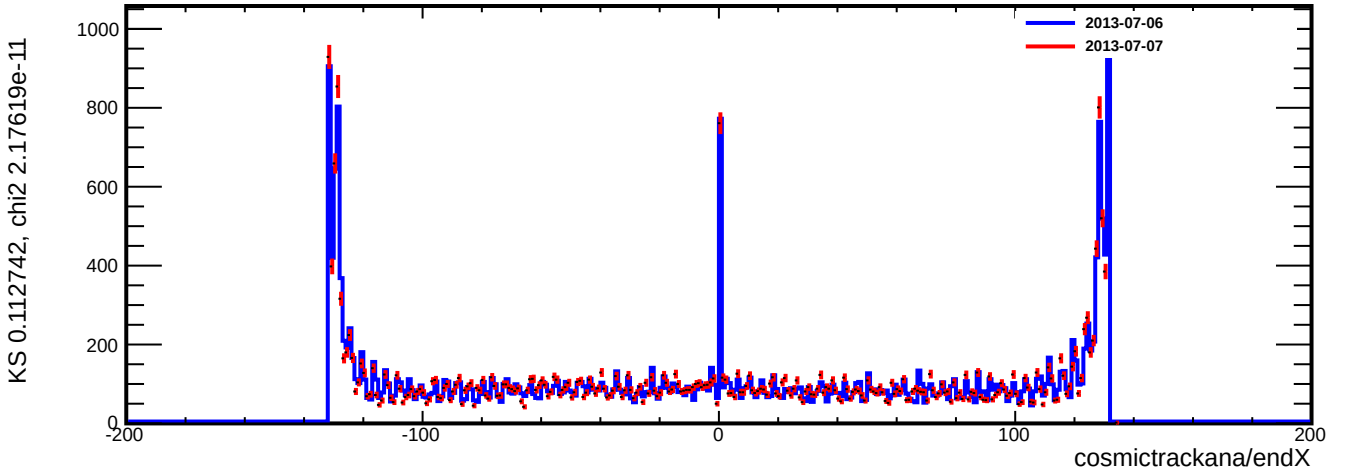

KS 2.17878e-05, chi2 2.12099e-12
2013-07-06
2013-07-07
25
20
15
10
5
0
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

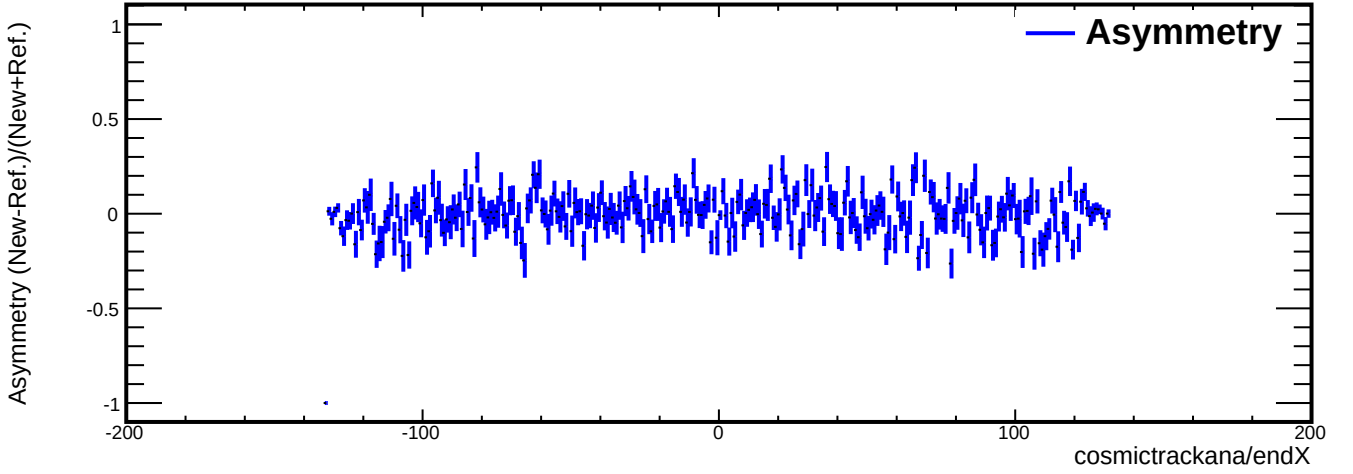

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1000
-500
0
500
1000
KalmanTrackAna/yRecoPos

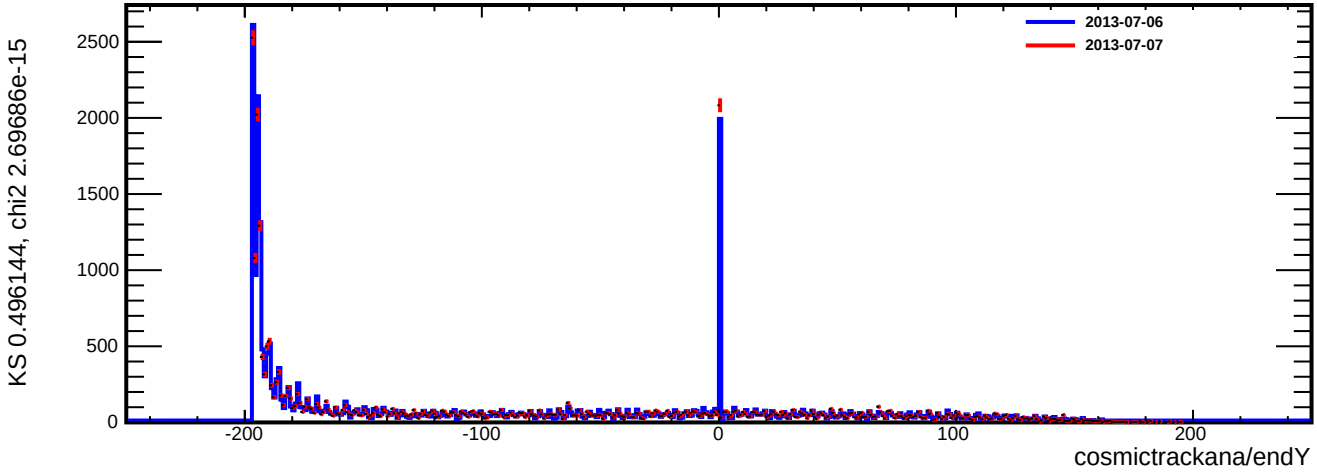

KS 4.7171e-06, chi2 4.65097e-85
×10^3
2013-07-06
2013-07-07
CosmicAna/fDminHisto0
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
CosmicAna/fDminHisto0

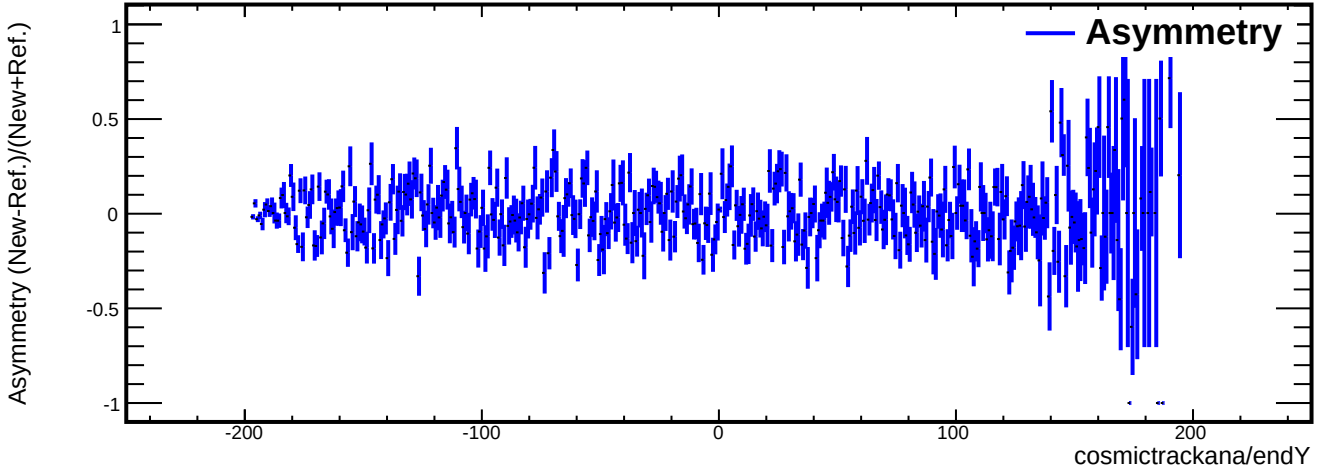

KS 0.0489757, chi2 0.00375703
2013-07-06
2013-07-07
4000
3000
2000
1000
0
0
20
40
60
80
100
CosmicAna/fMuonEnergy

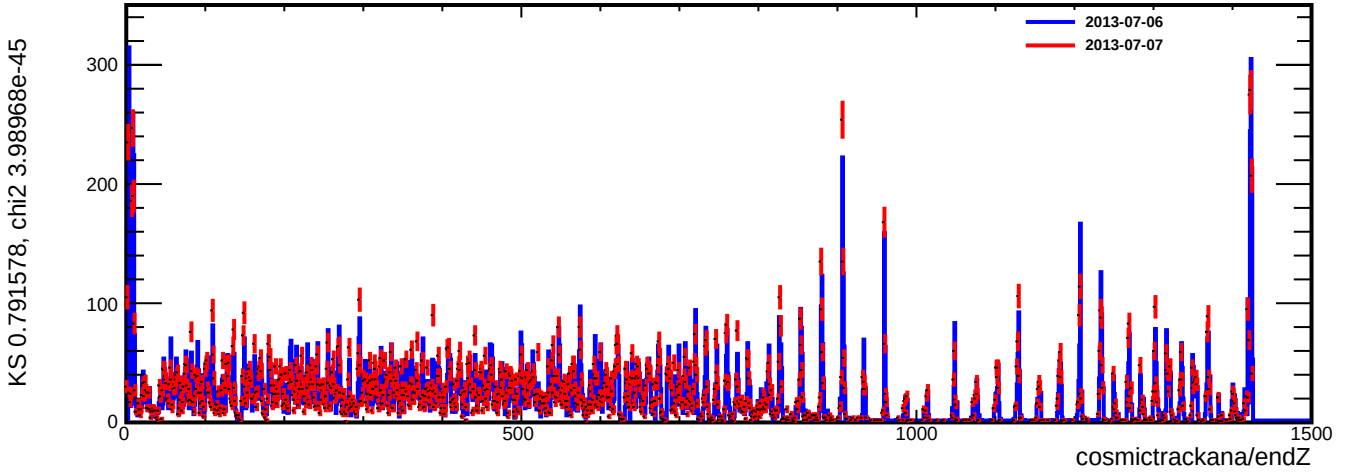

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
20
40
60
80
100
CosmicAna/fMuonEnergy

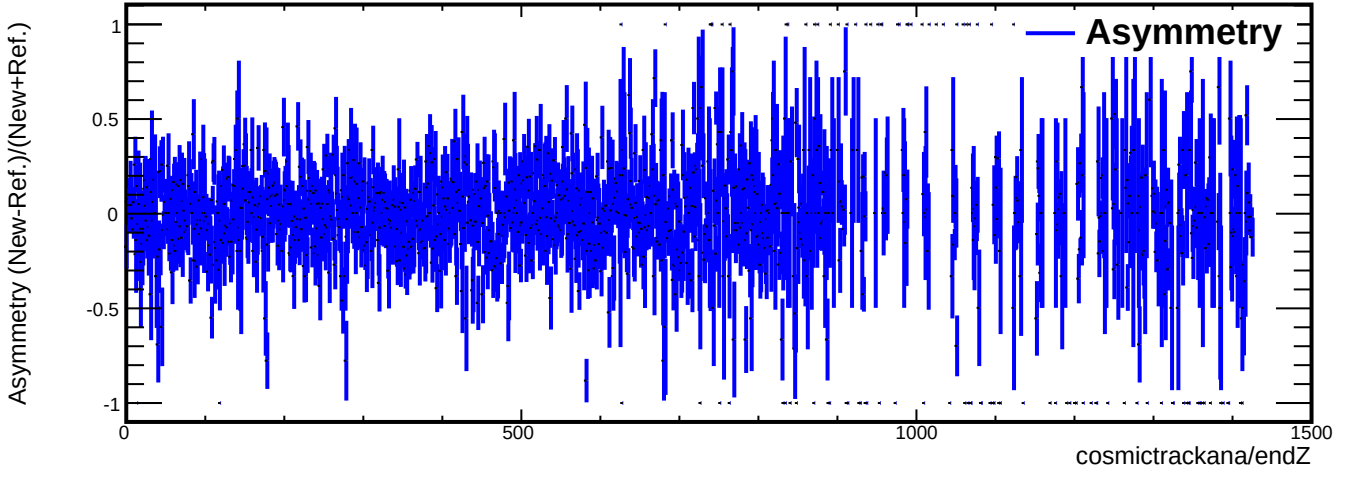

KS 0.112742, chi2 2.17619e-11
2013-07-06
2013-07-07
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

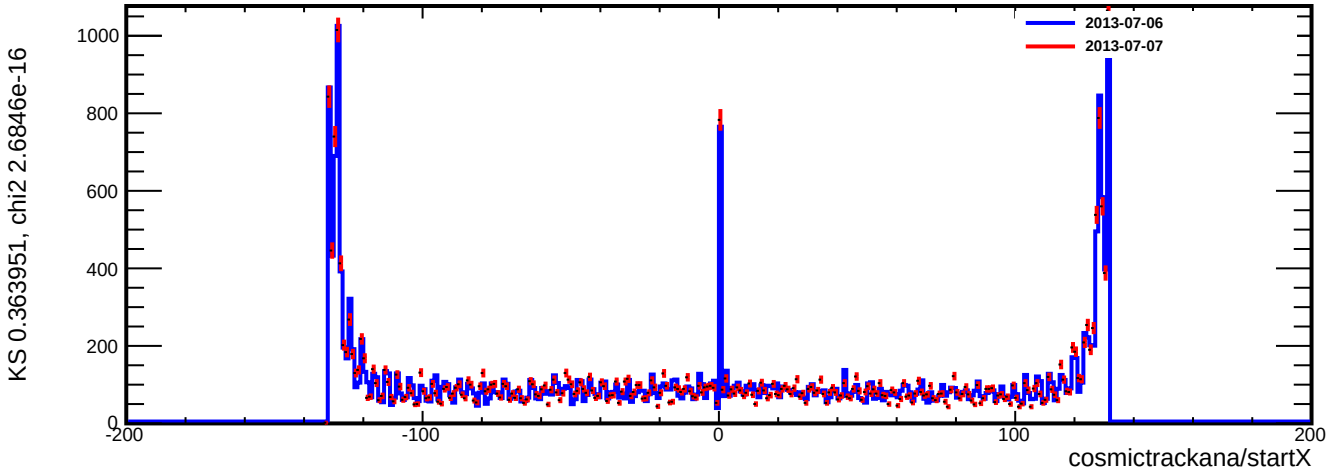

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endX

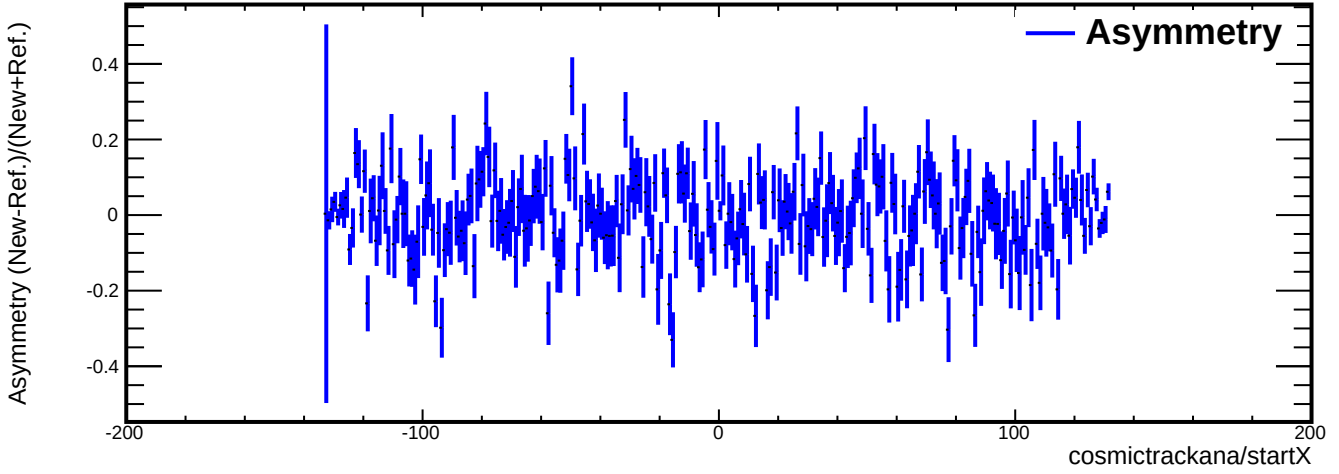

KS 0.496144, chi2 2.69686e-15
2013-07-06
2013-07-07
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

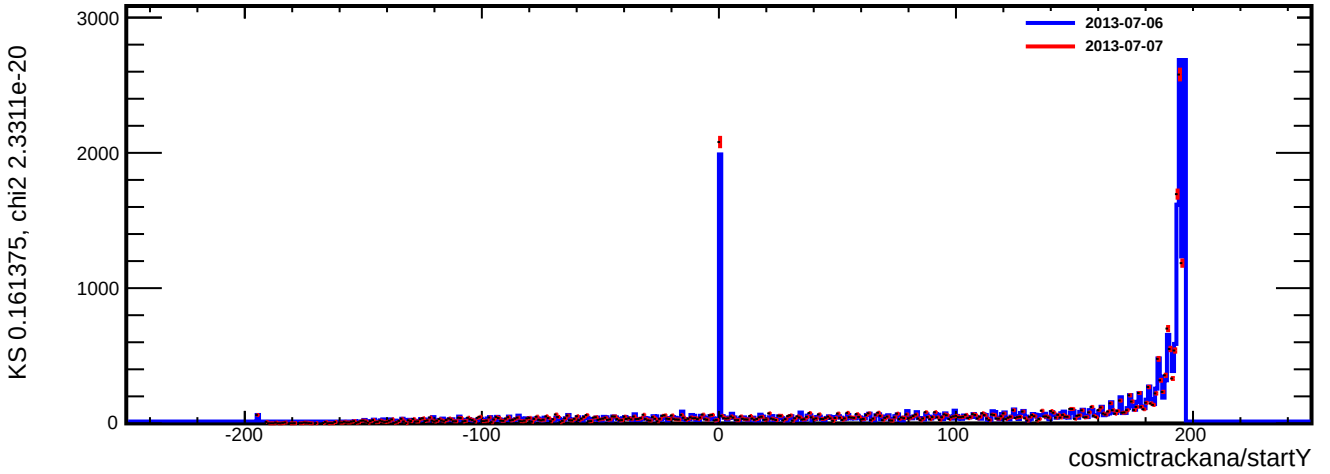

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

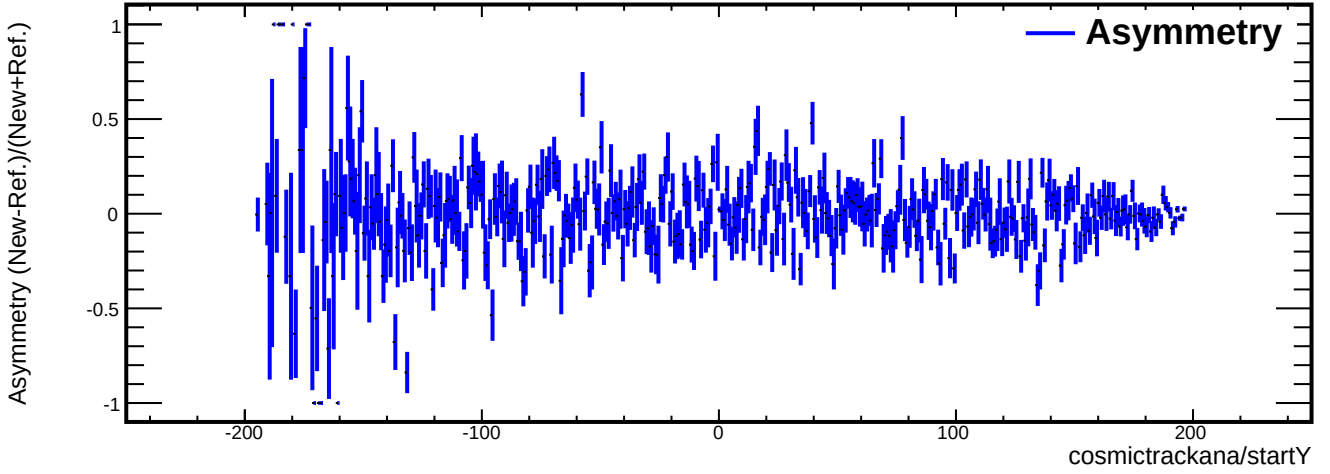

KS 0.791578, chi2 3.98968e-45
2013-07-06
2013-07-07
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

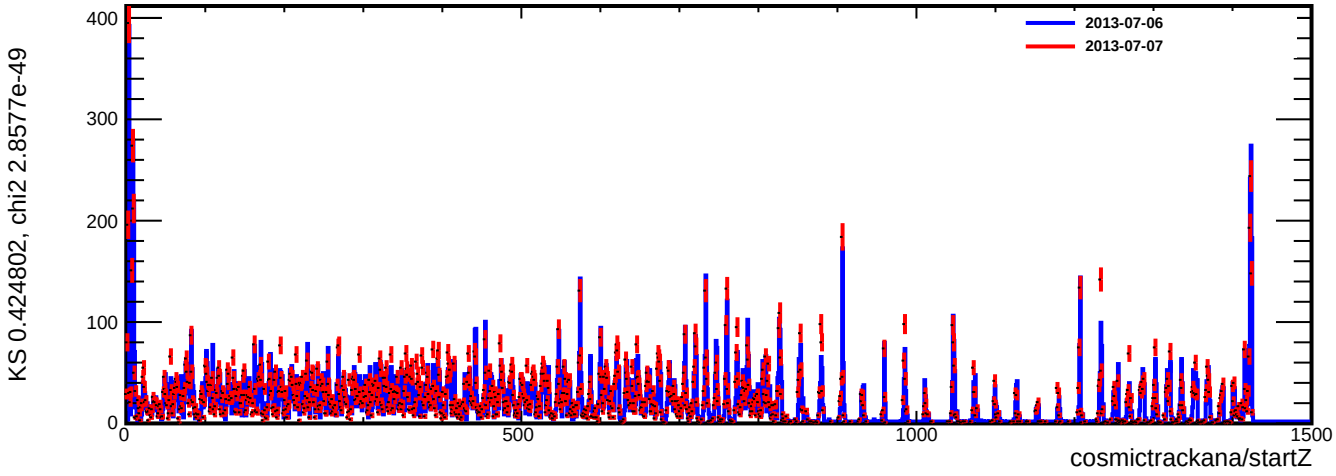

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

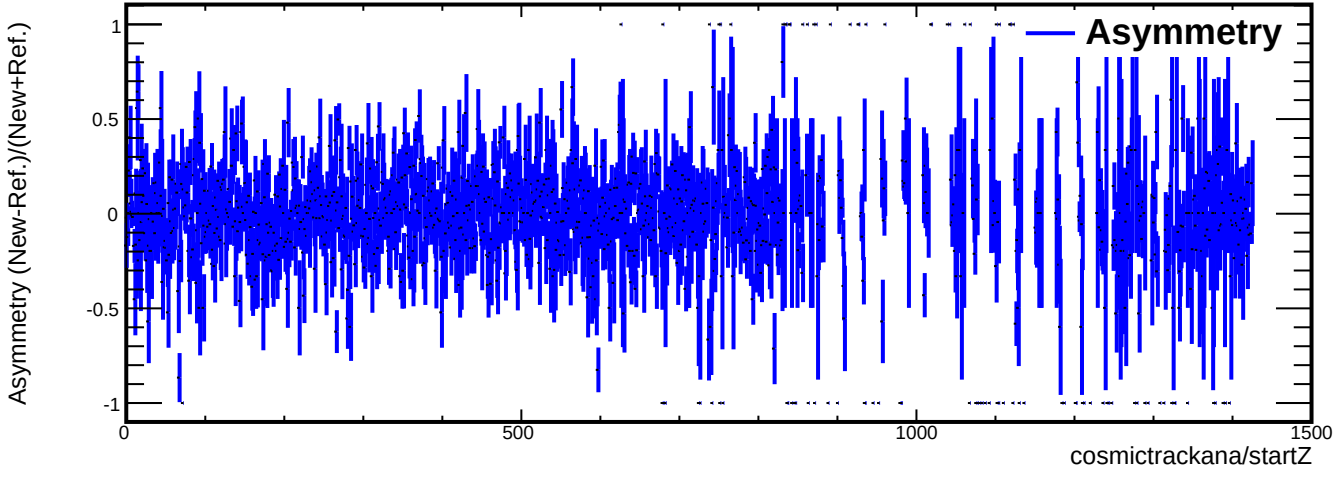

KS 0.363951, chi2 2.6846e-16
2013-07-06
2013-07-07
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

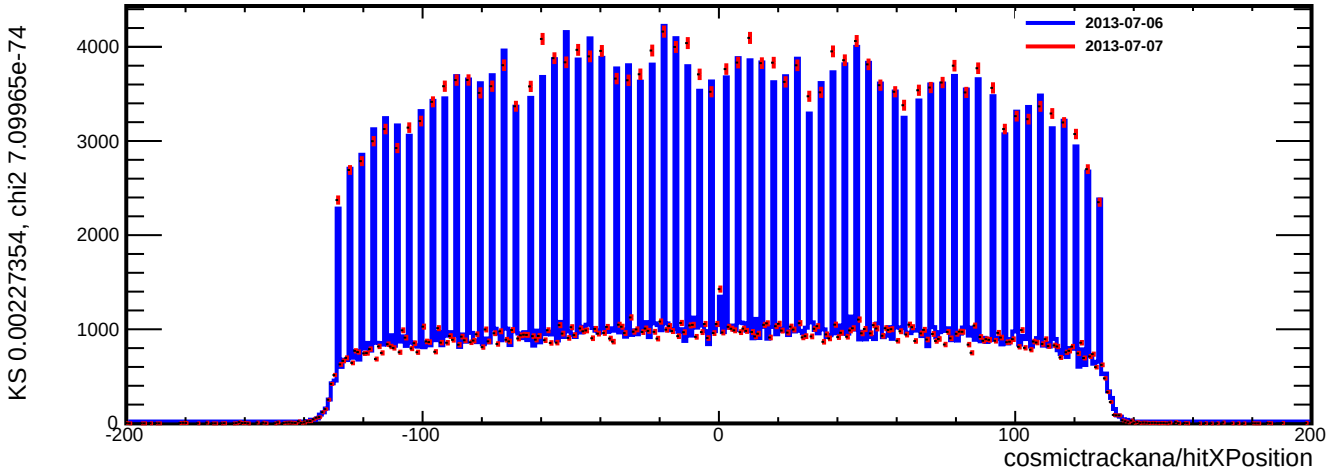

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-0.4
-200
-100
0
100
200
cosmictrackana/startX

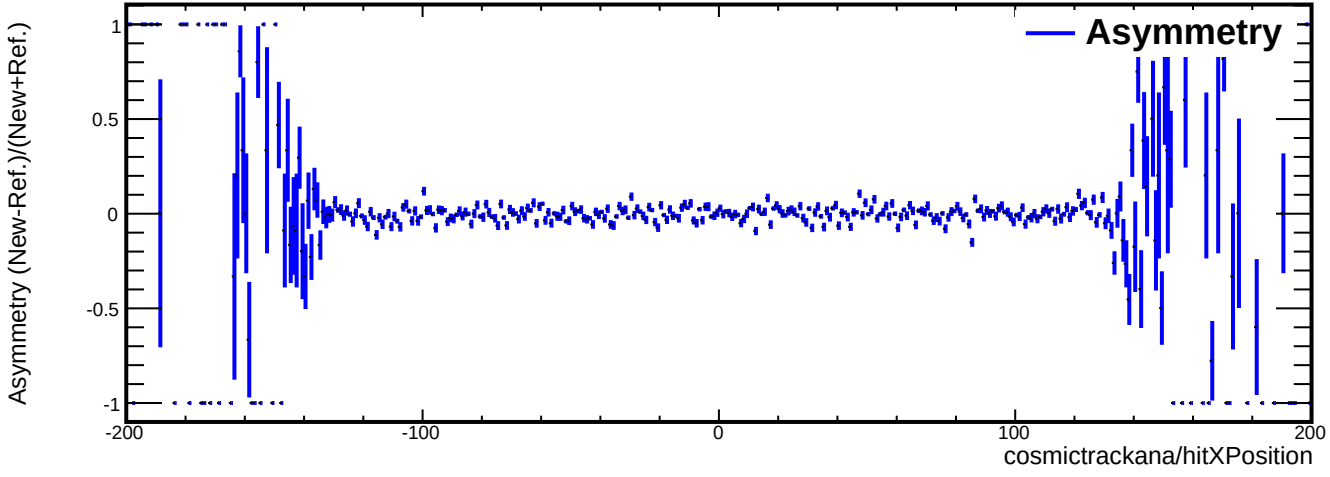

KS 0.161375, chi2 2.3311e-20
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2013-07-06
2013-07-07

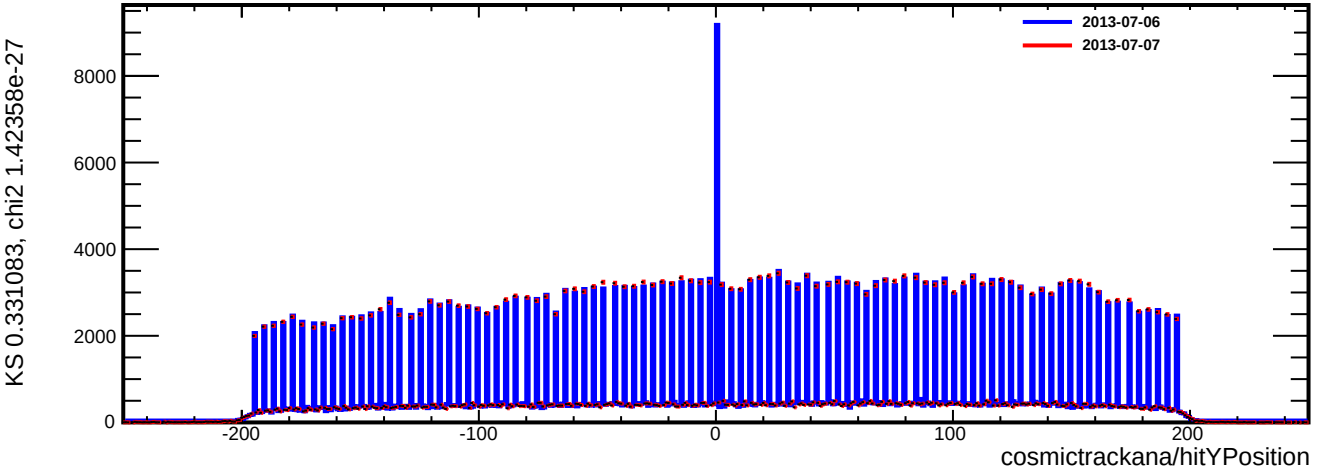

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

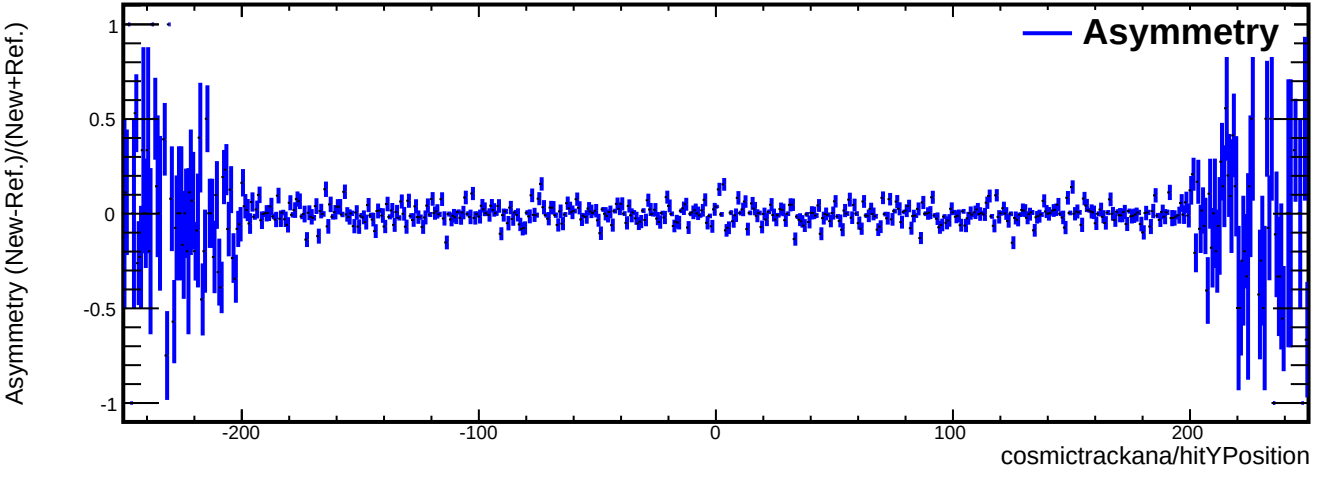

KS 0.424802, chi2 2.8577e-49
400
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ
2013-07-06
2013-07-07

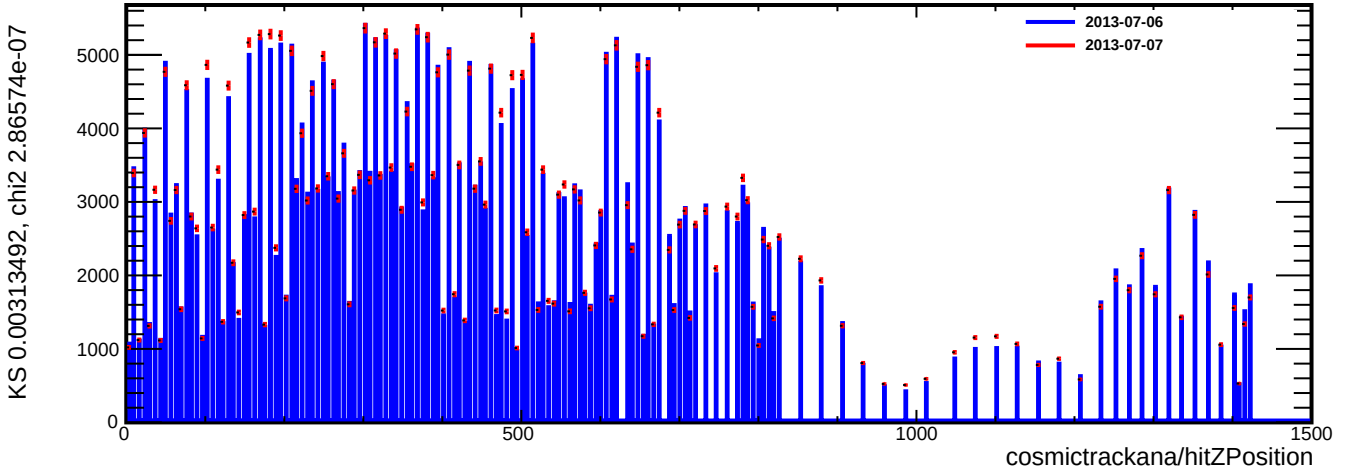

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ
Asymmetry

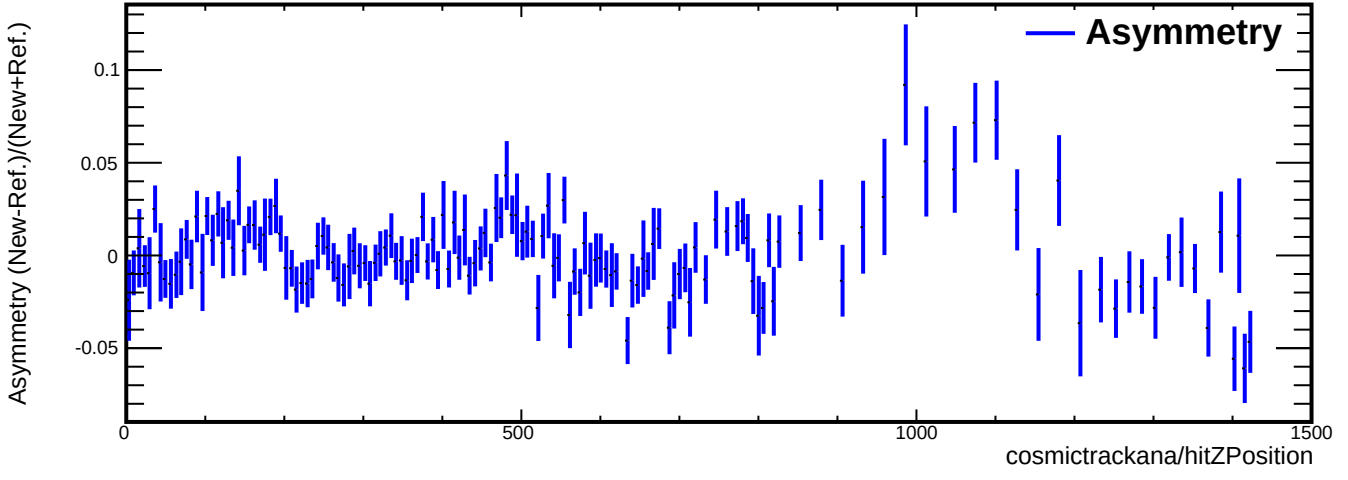

KS 0.00227354, chi2 7.09965e-74
2013-07-06
2013-07-07
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

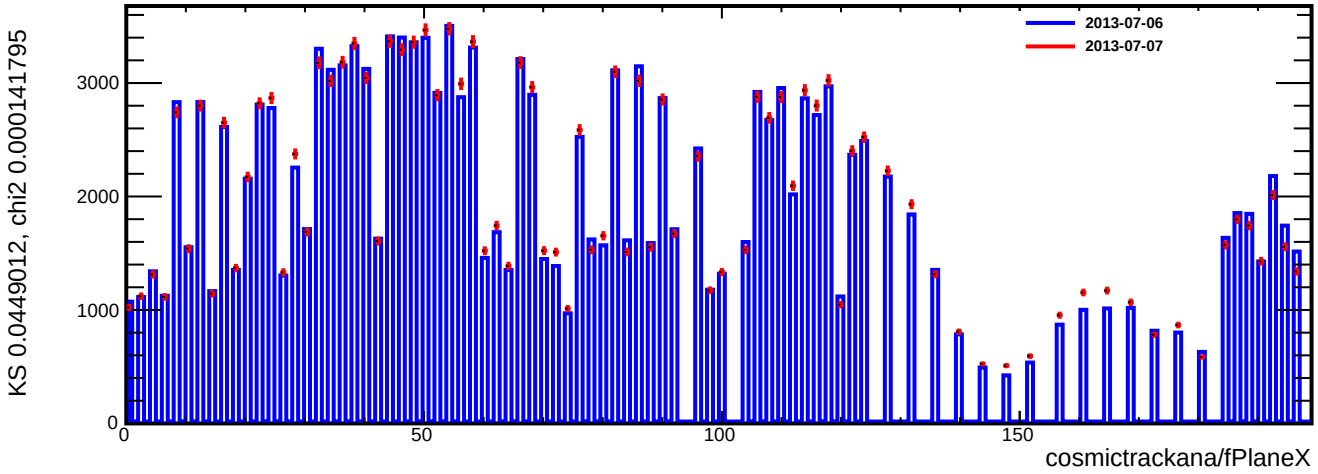

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

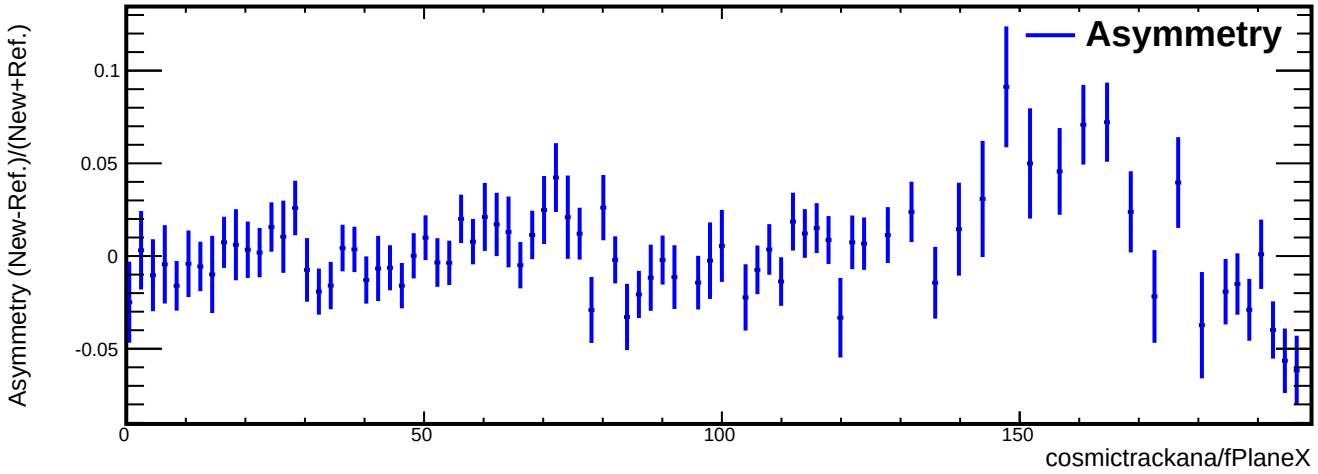

KS 0.331083, chi2 1.42358e-27
2013-07-06
2013-07-07
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

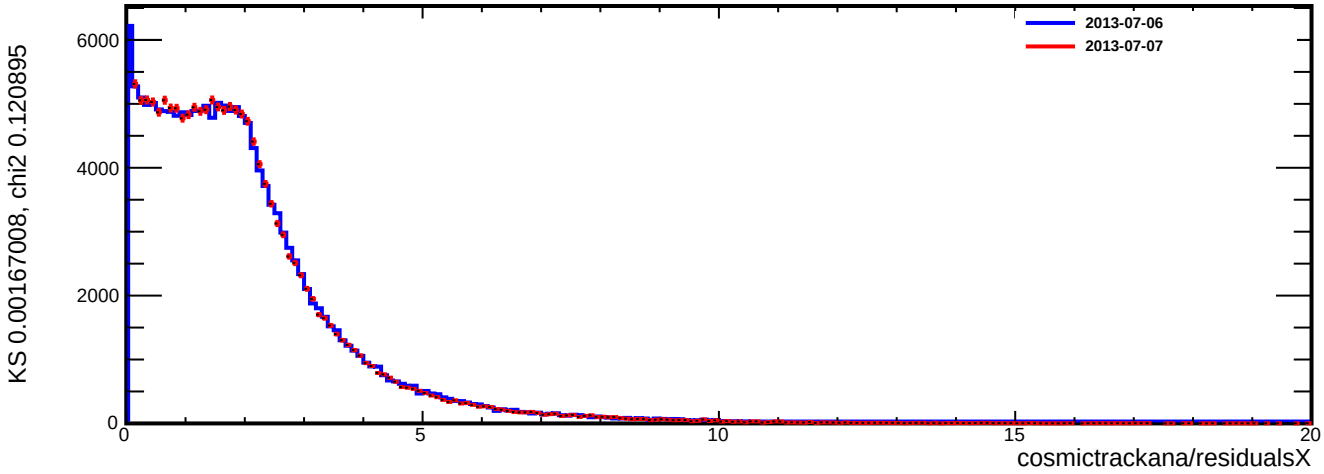

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition


KS 0.00313492, chi2 2.86574e-07
2013-07-06
2013-07-07
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 0.0449012, chi2 0.000141795
2013-07-06
2013-07-07
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 0.00167008, chi2 0.120895
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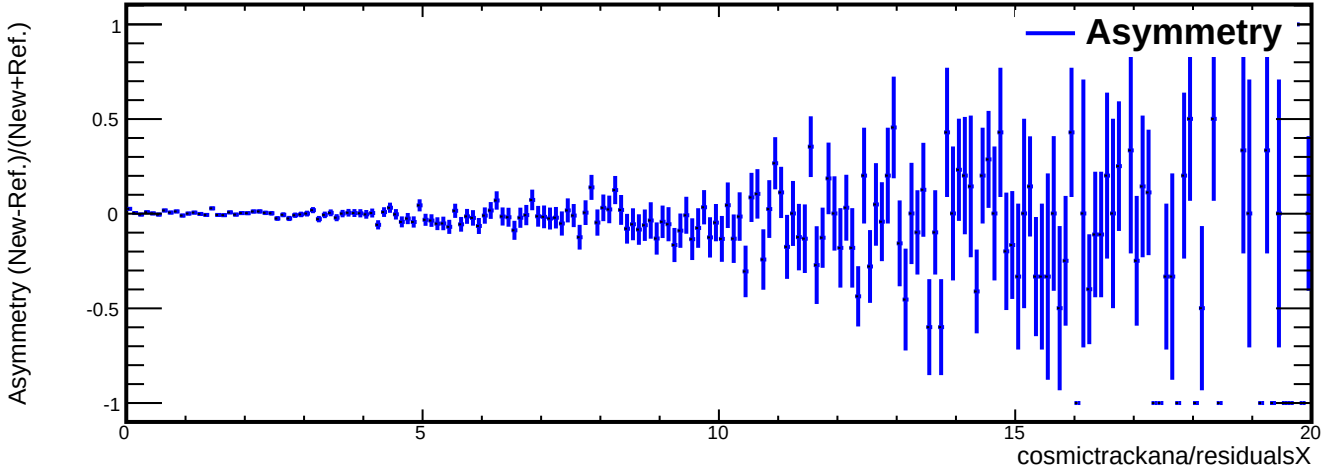
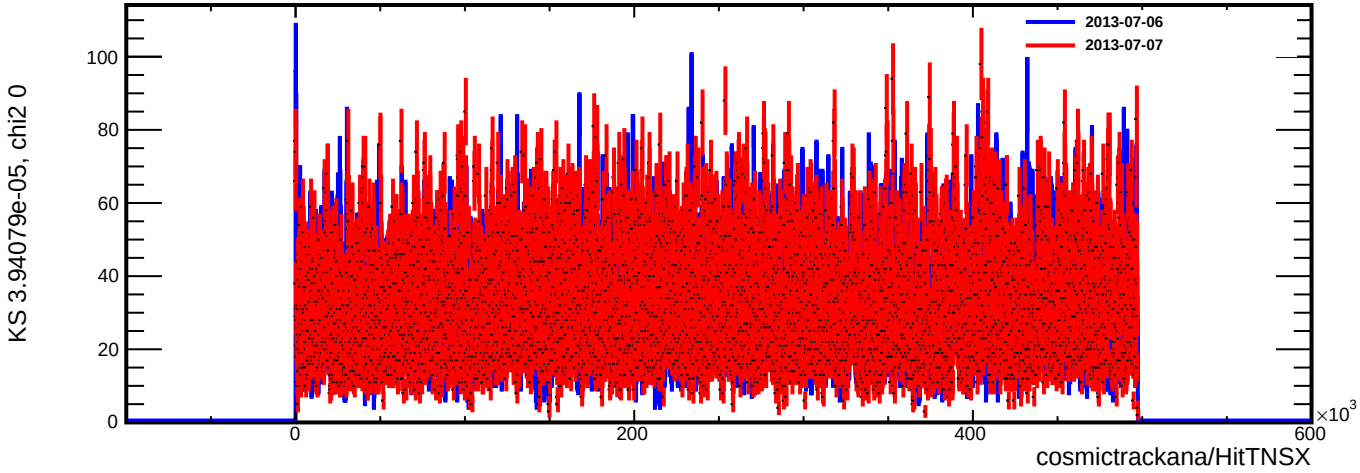
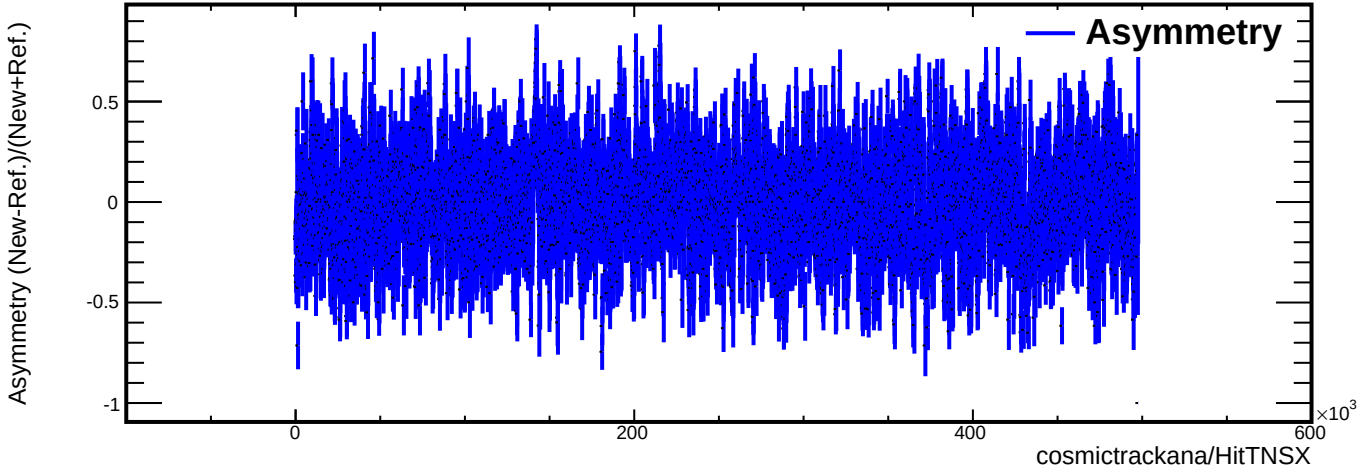
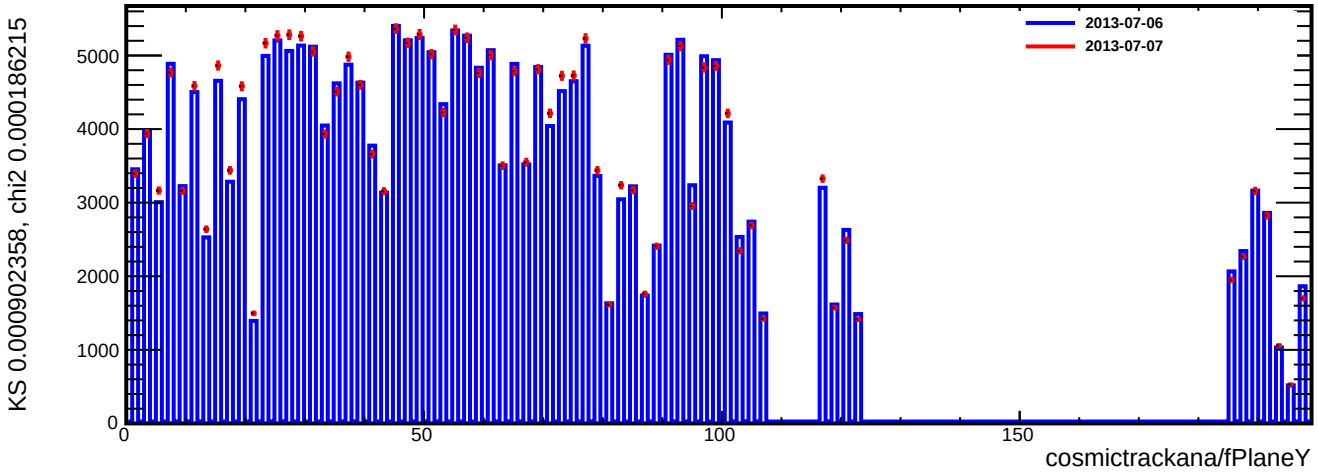
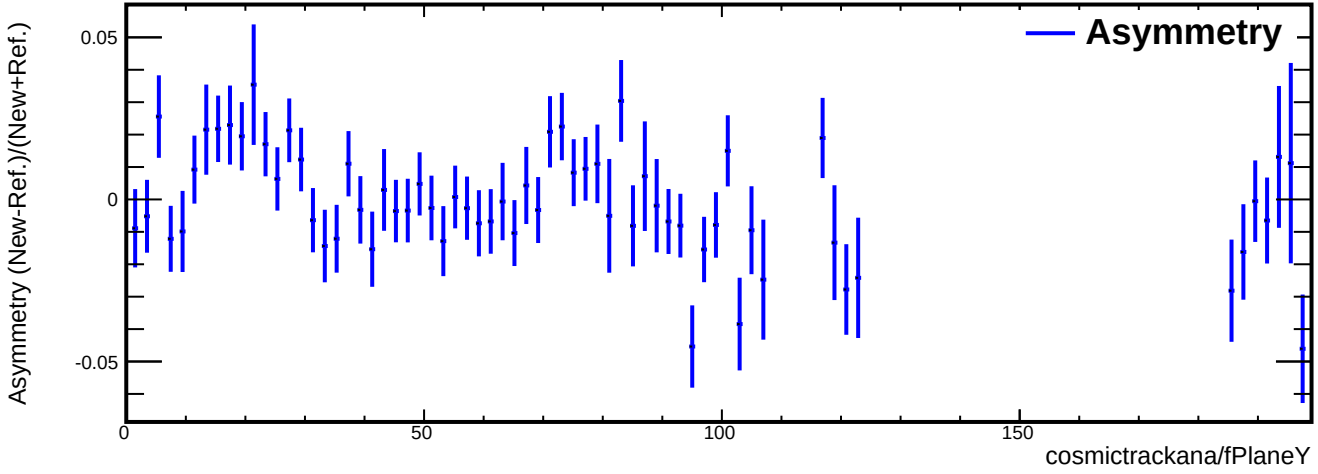
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX
2013-07-06
2013-07-07

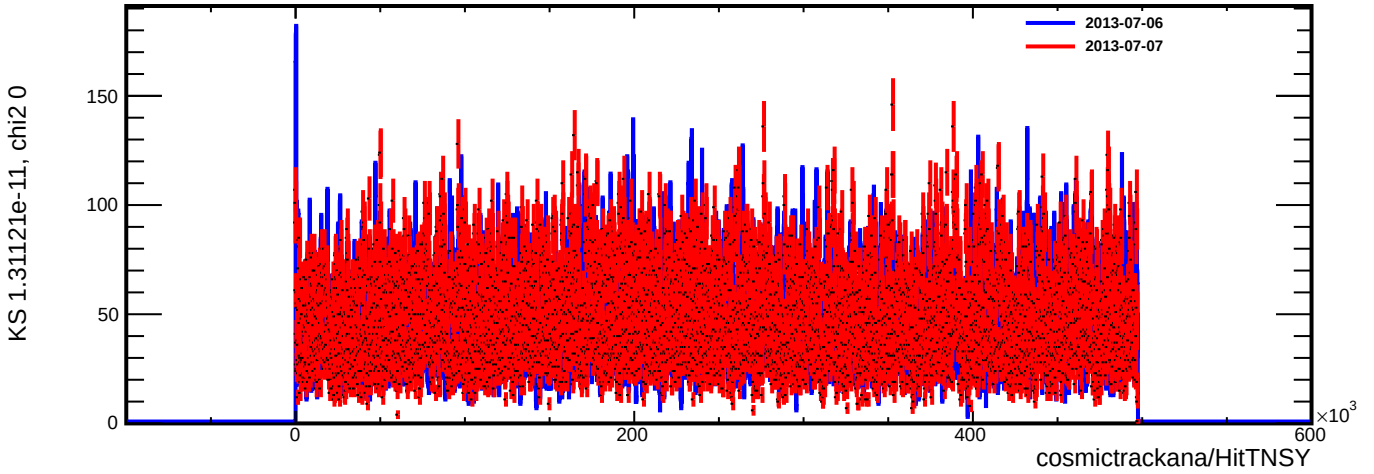

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX
Asymmetry

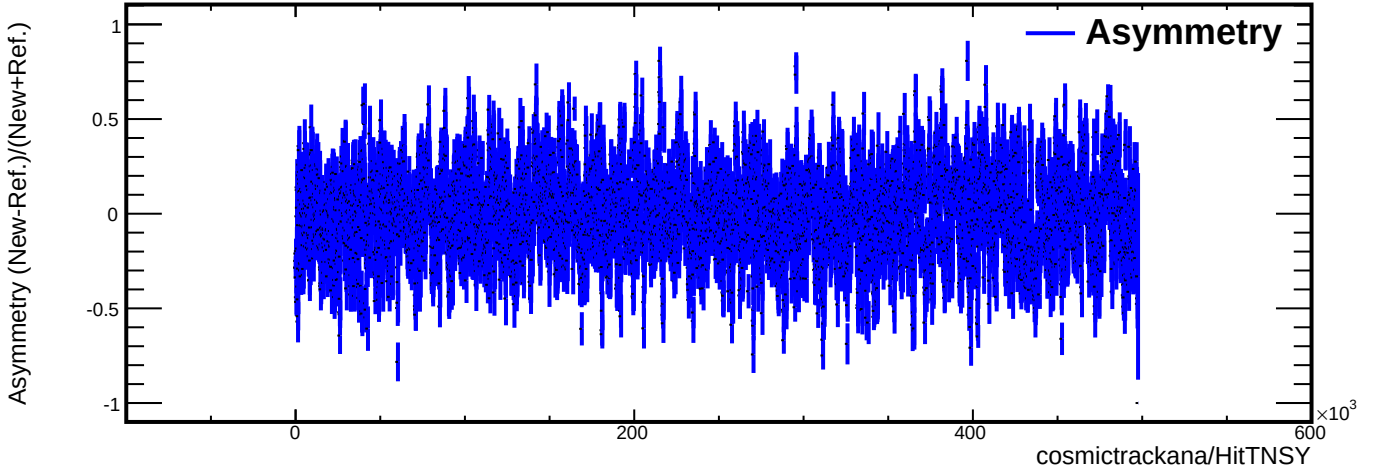

2013-07-06
2013-07-07
KS 3.94079e-05, chi2 0
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX


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


KS 0.000902358, chi2 0.000186215
2013-07-06
2013-07-07
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


2013-07-06
2013-07-07
KS 1.31121e-11, chi2 0
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


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