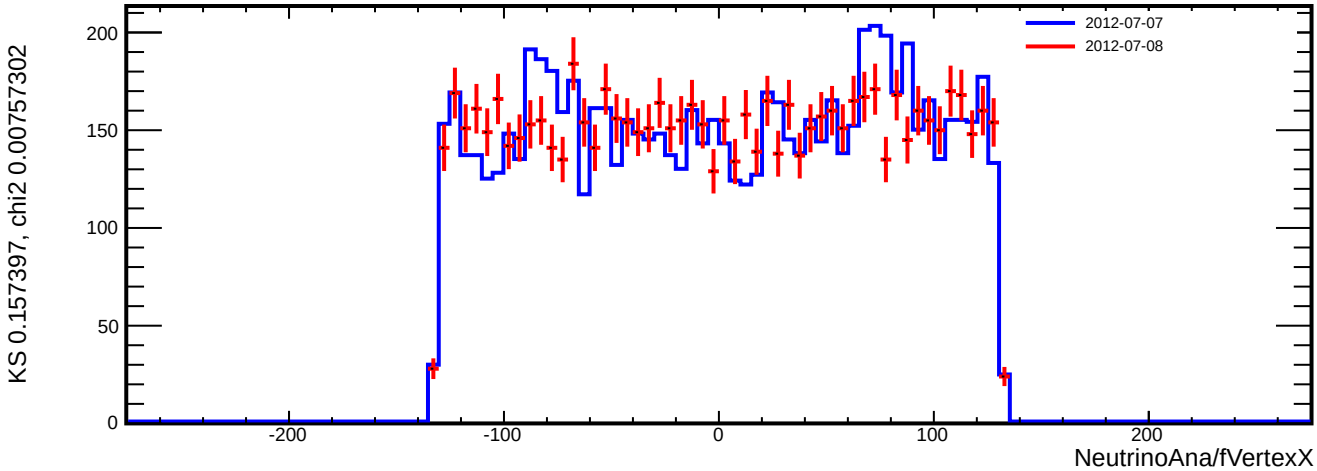
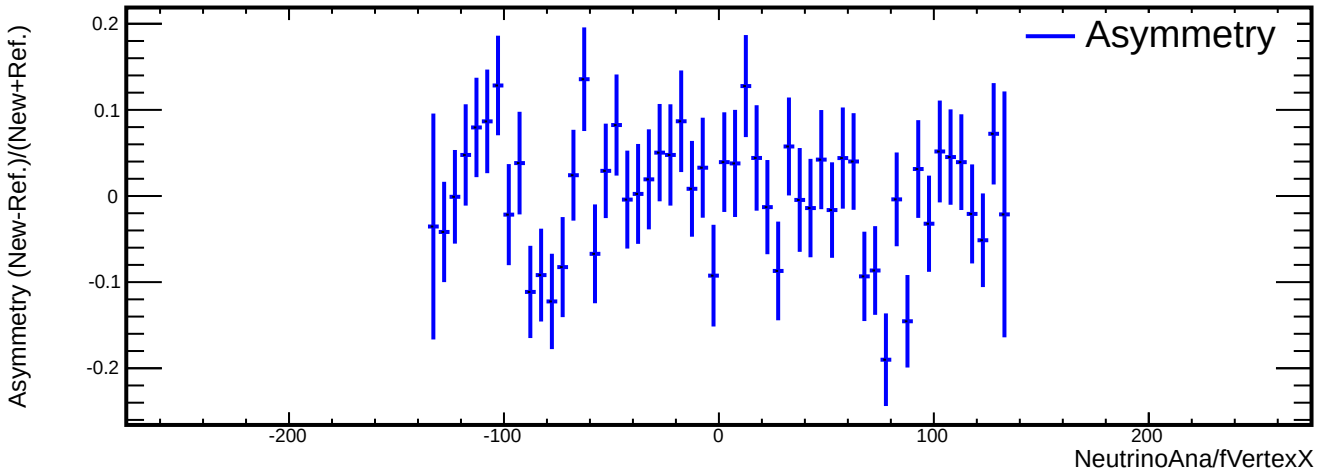
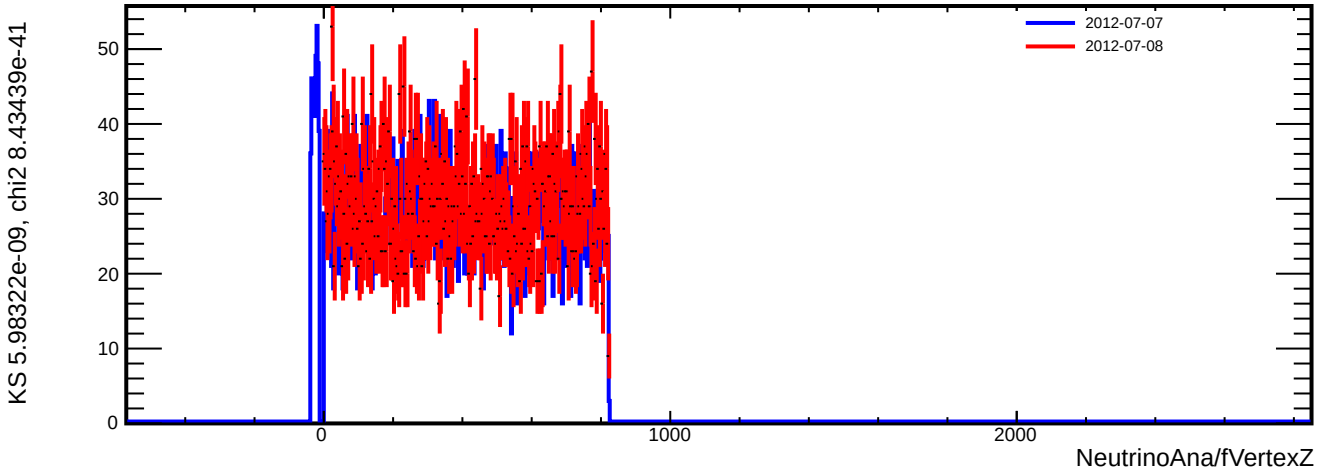
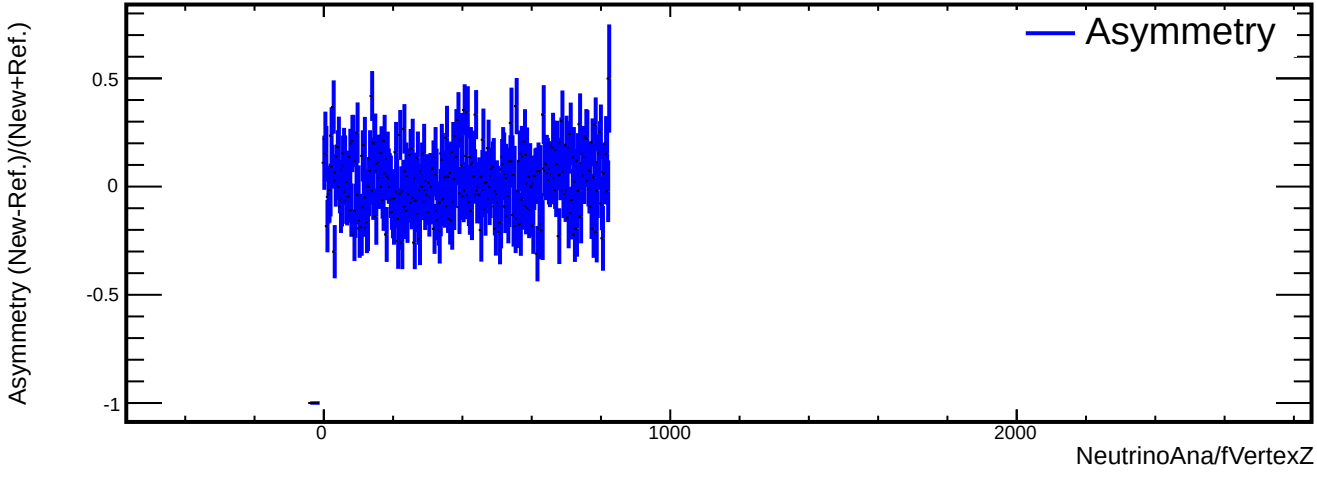
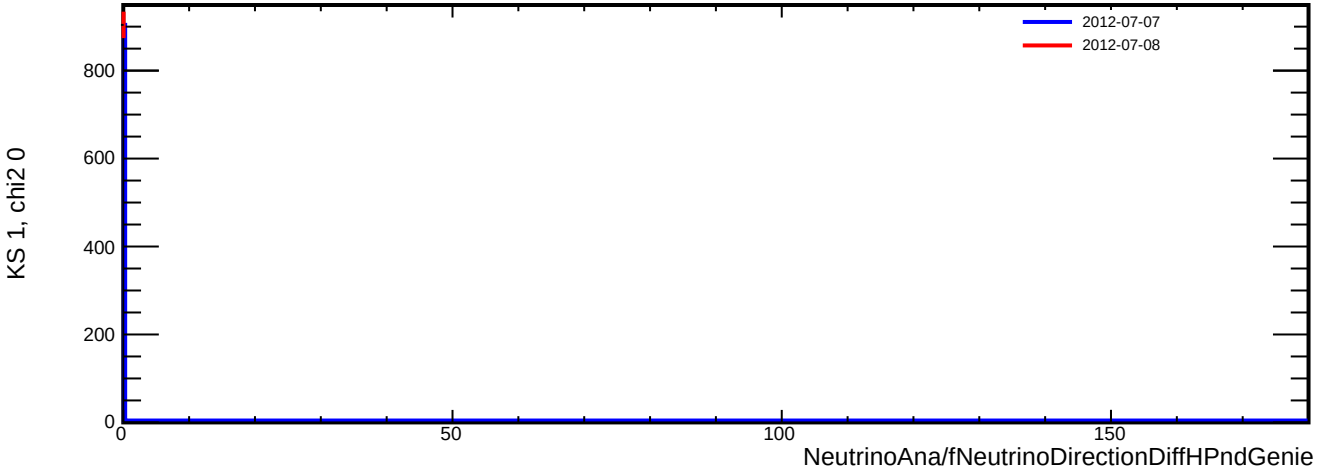
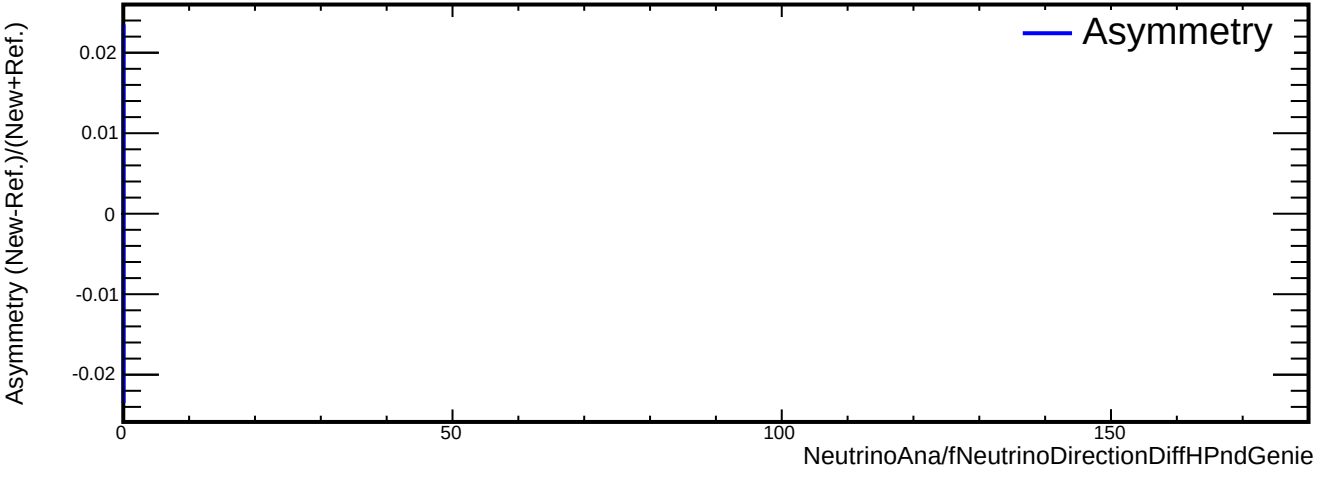

KS 0.157397, chi2 0.00757302
2012-07-07
2012-07-08
200
150
100
50
0
-200
-100
0
100
200
NeutrinoAna/fVertexX

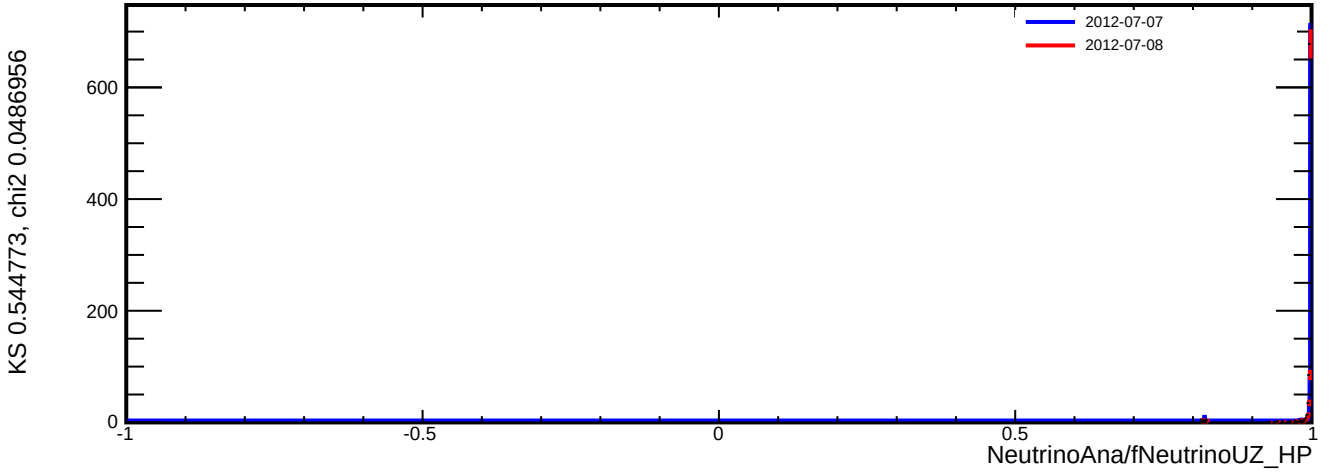

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-0.2
-200
-100
0
100
200
NeutrinoAna/fVertexX

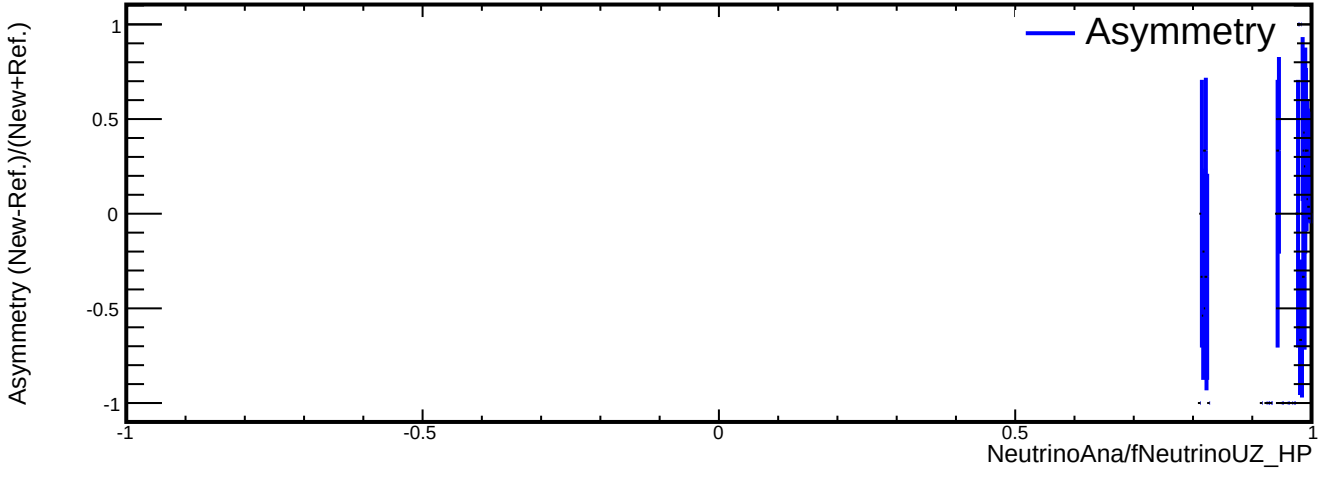

KS 5.98322e-09, chi2 8.43439e-41
2012-07-07
2012-07-08
50
40
30
20
10
0
0
1000
2000
NeutrinoAna/fVertexZ

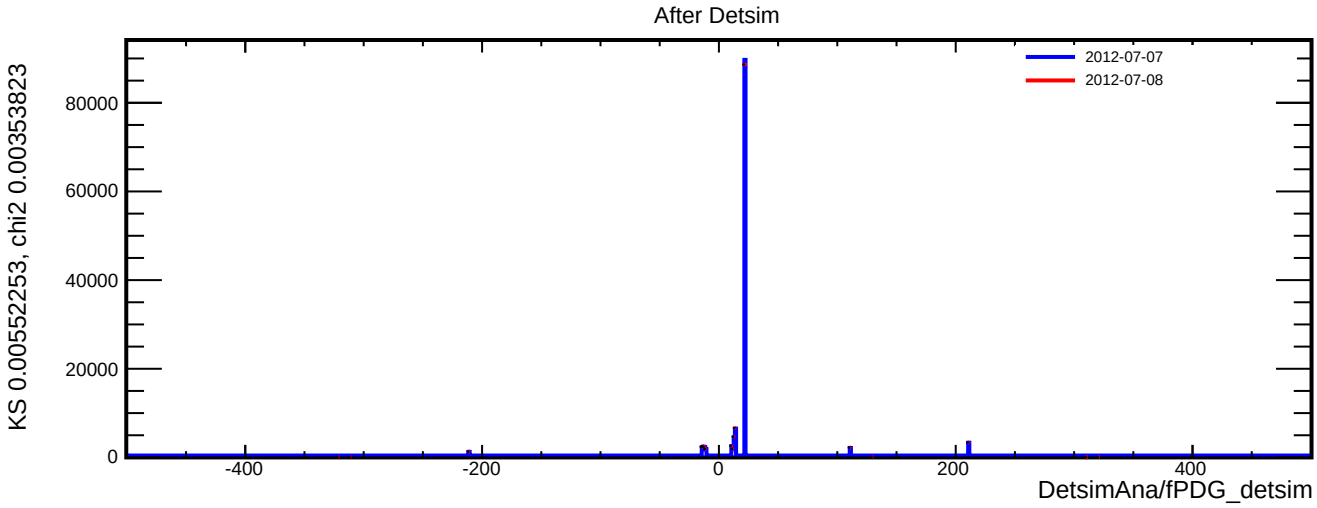

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
1000
2000
NeutrinoAna/fVertexZ

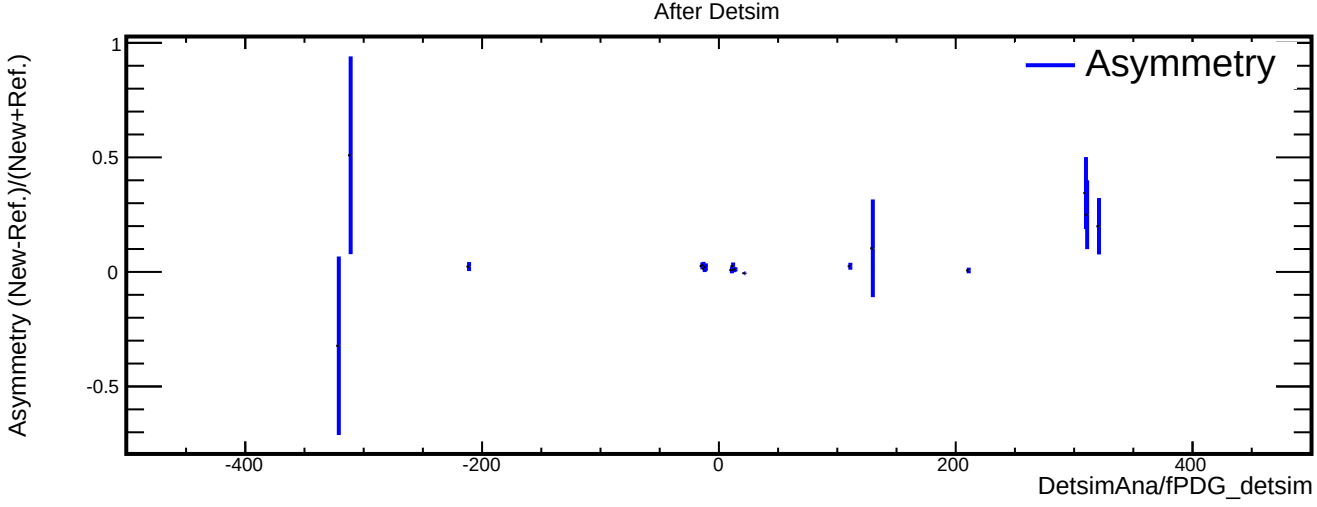

2012-07-07
2012-07-08
KS 1, chi2 0
800
600
400
200
0
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

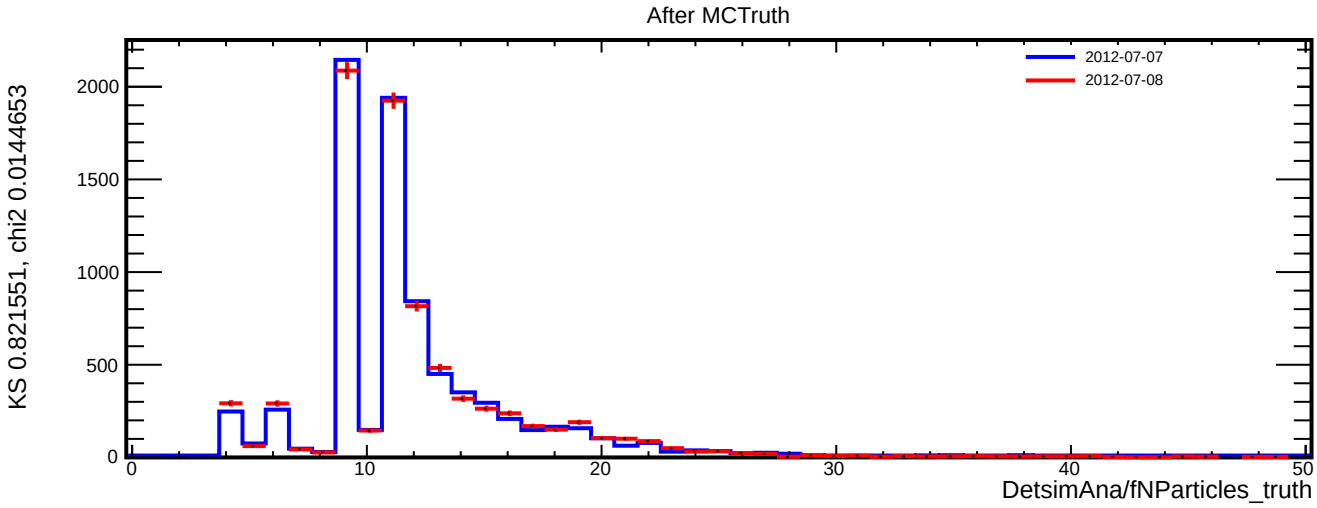

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0.01
0
-0.01
-0.02
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

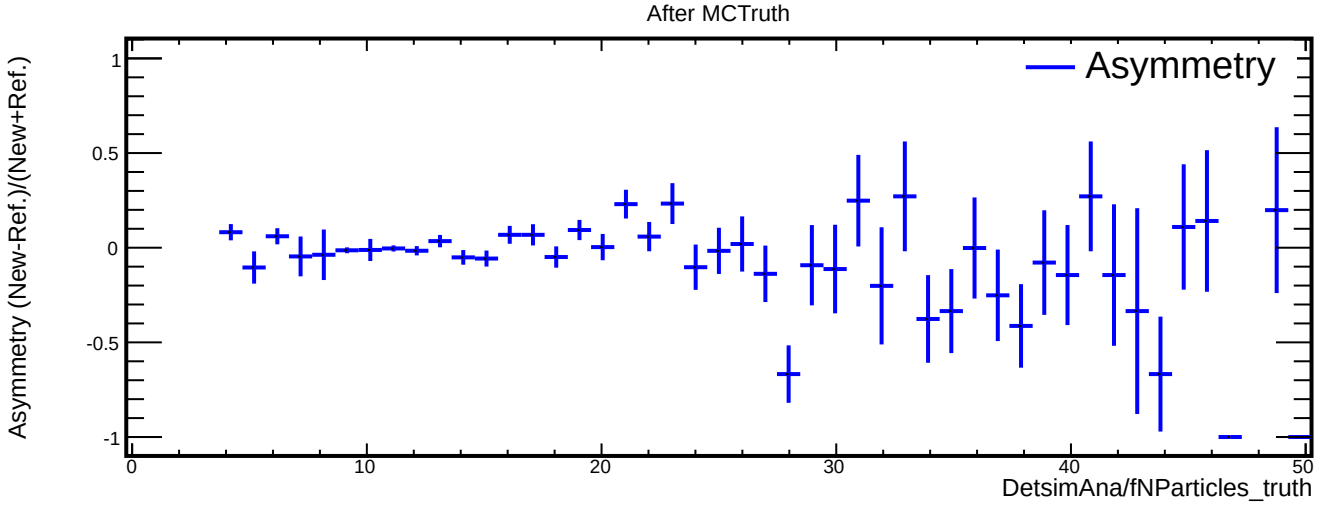

KS 0.544773, chi2 0.0486956
2012-07-07
2012-07-08
600
400
200
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_HP

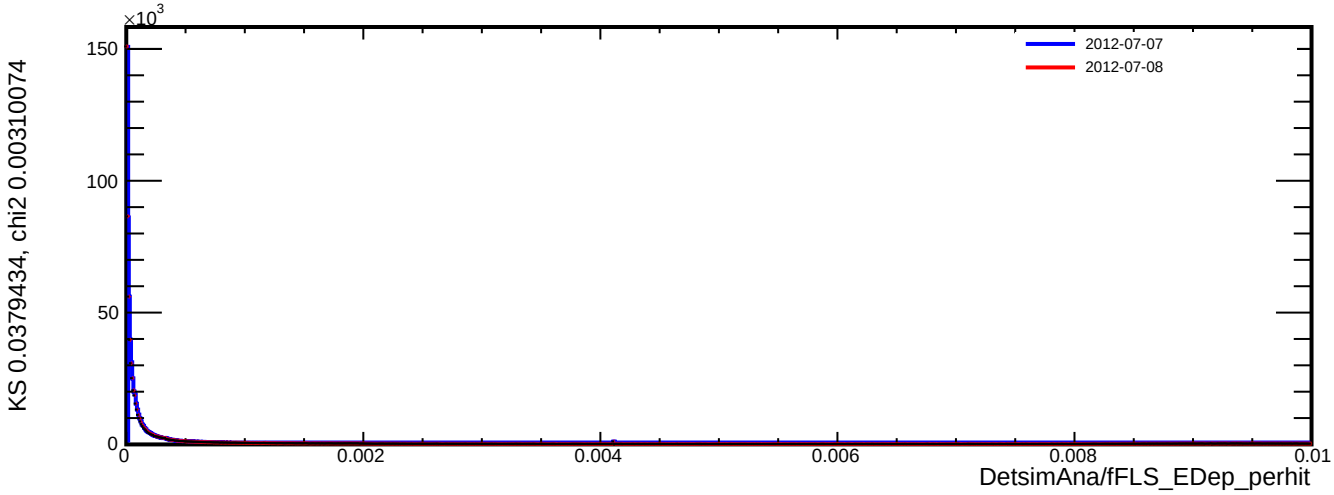

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_HP

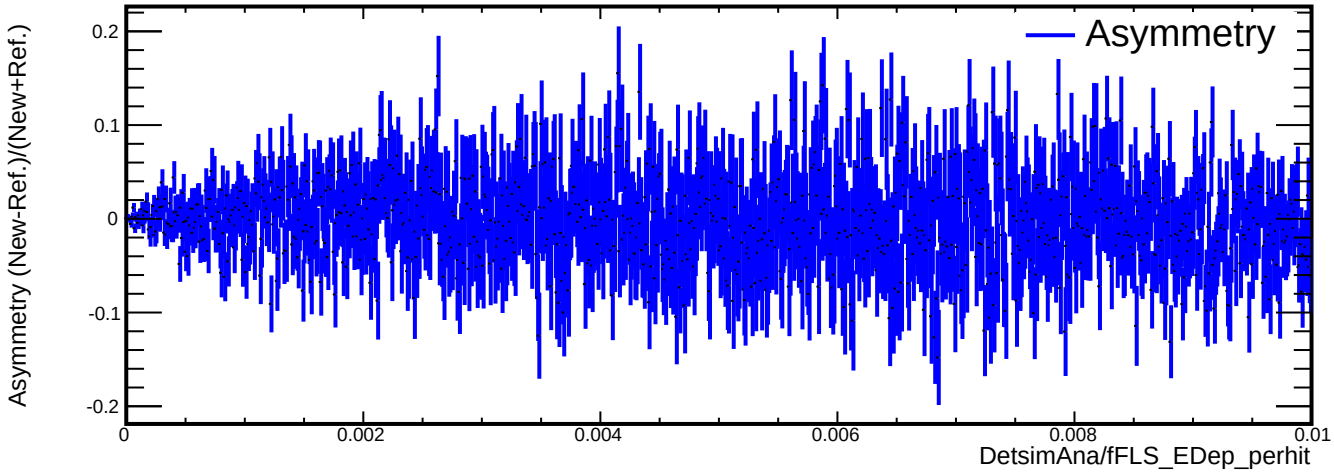

After Detsim
KS 0.00552253, chi2 0.00353823
2012-07-07
2012-07-08
80000
60000
40000
20000
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim

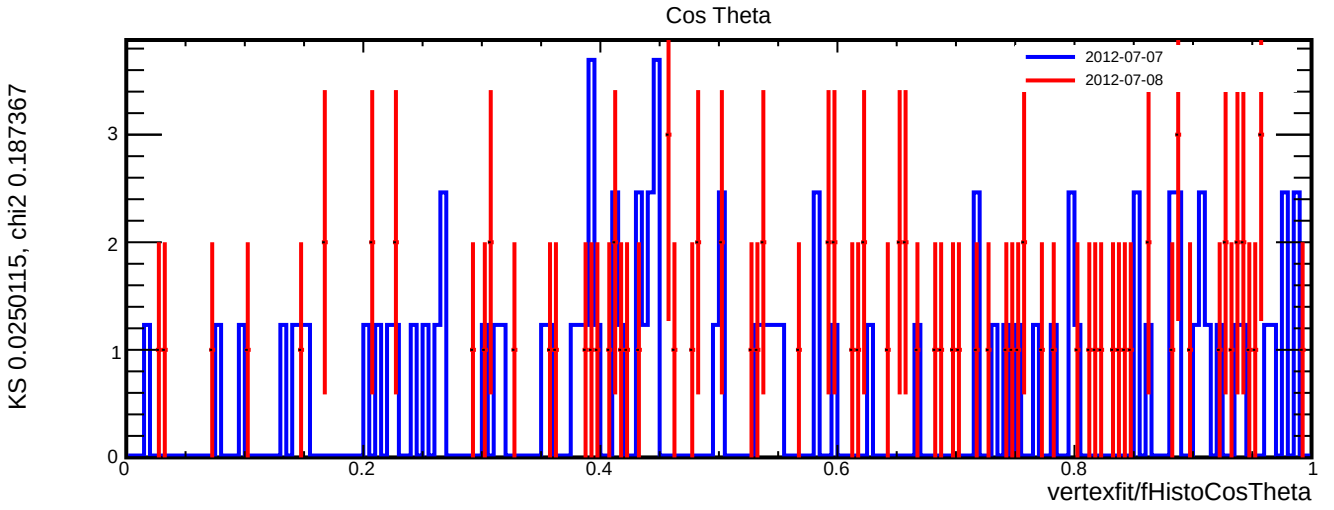

After Detsim
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-400
-200
0
200
400
DetsimAna/fPDG_detsim

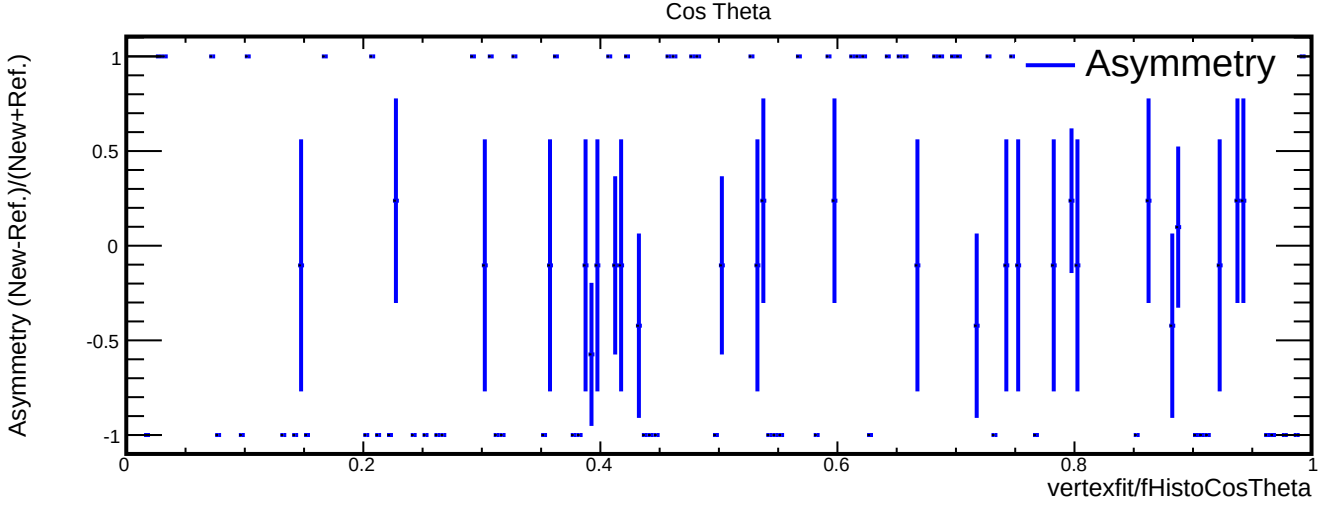

After MCTruth
KS 0.821551, chi2 0.0144653
2012-07-07
2012-07-08
2000
1500
1000
500
0
0
10
20
30
40
50
DetsimAna/fNParticles_truth

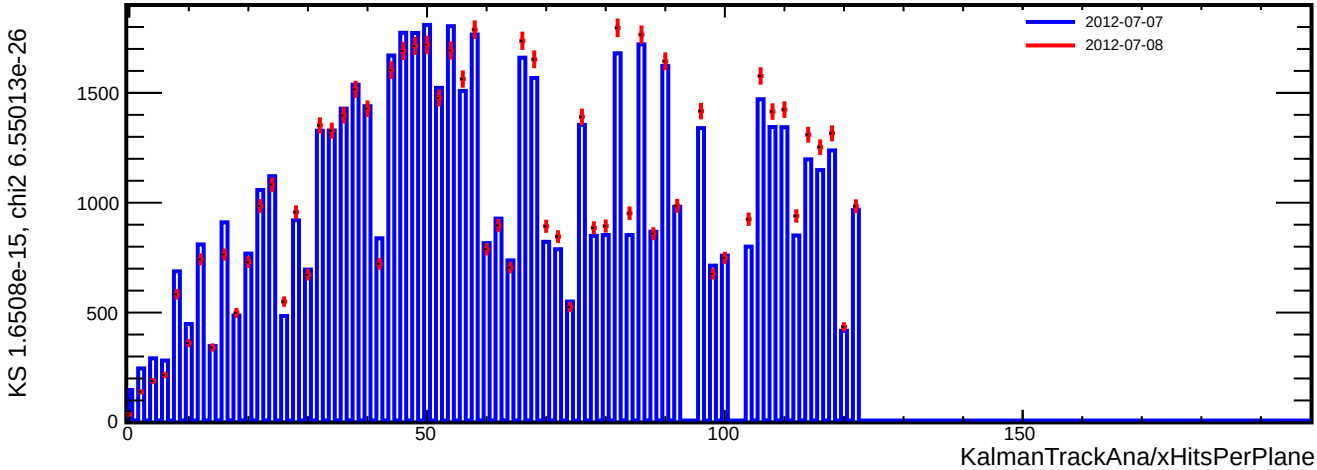

After MCTruth
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
DetsimAna/fNParticles_truth

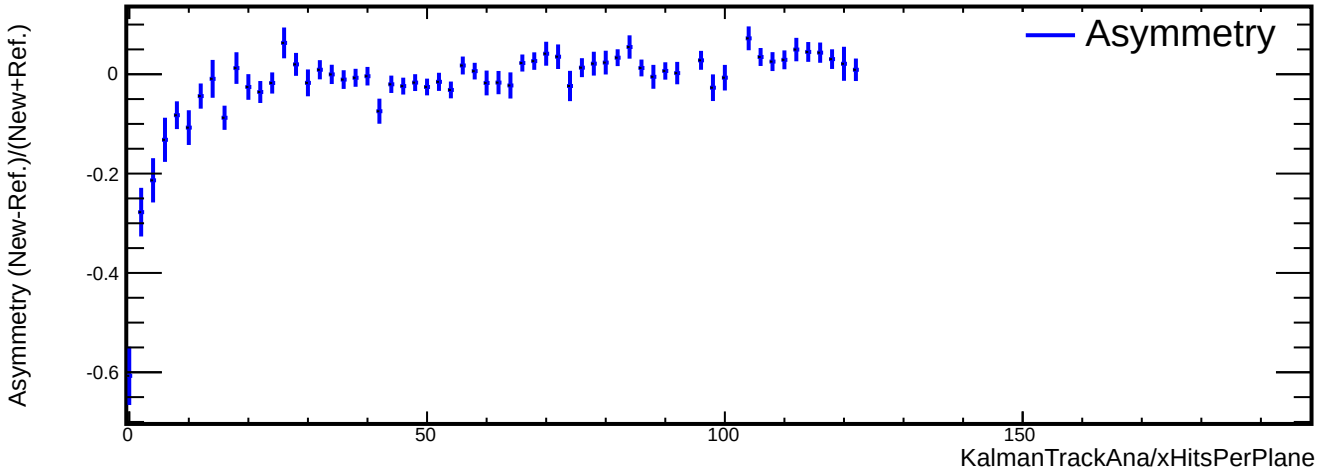

×10^3
150
100
50
0
0
0.002
0.004
0.006
0.008
0.01
2012-07-07
2012-07-08
KS 0.0379434, chi2 0.00310074
DetsimAna/fFLS_EDep_perhit

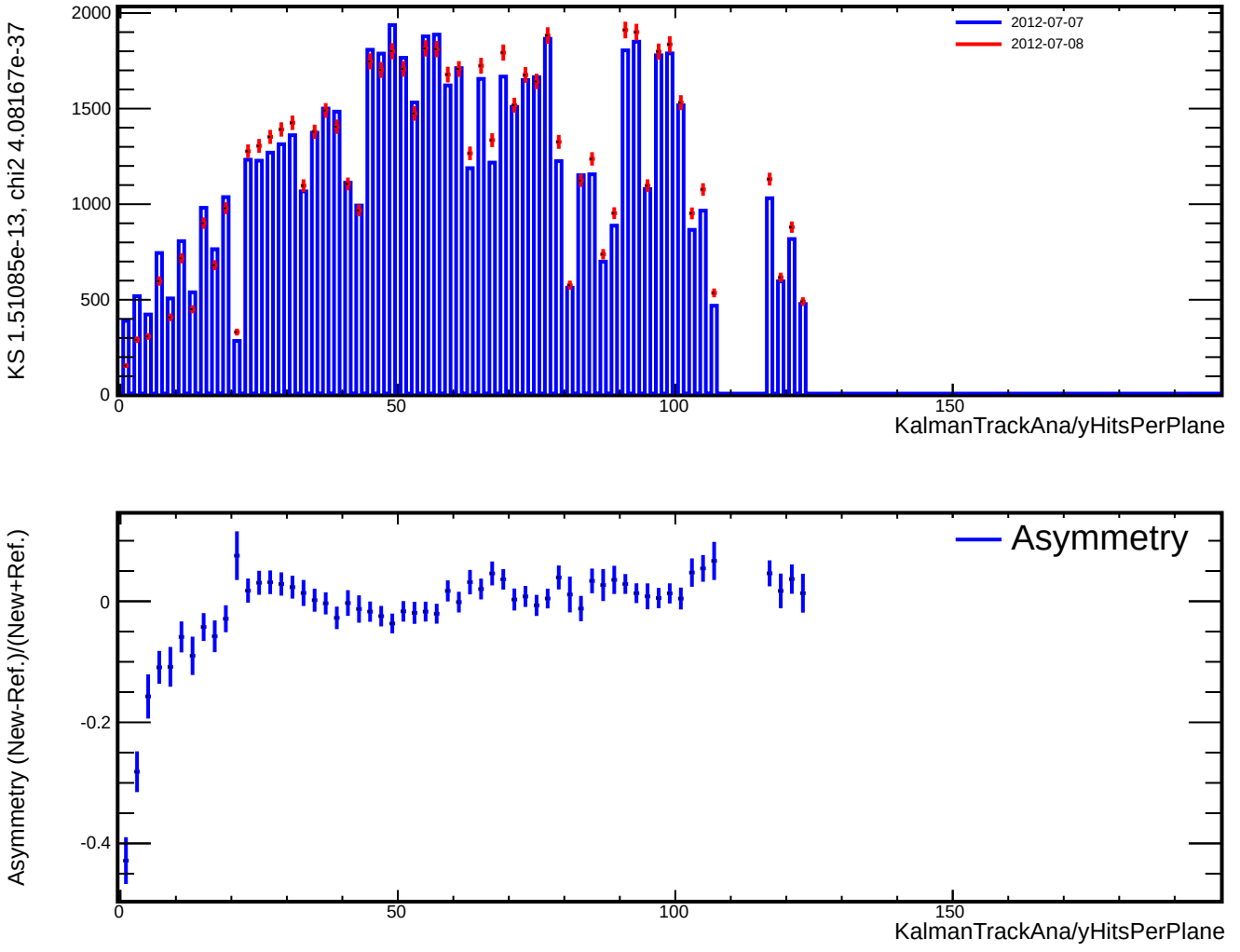

0.2
0.1
0
-0.1
-0.2
0
0.002
0.004
0.006
0.008
0.01
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
DetsimAna/fFLS_EDep_perhit

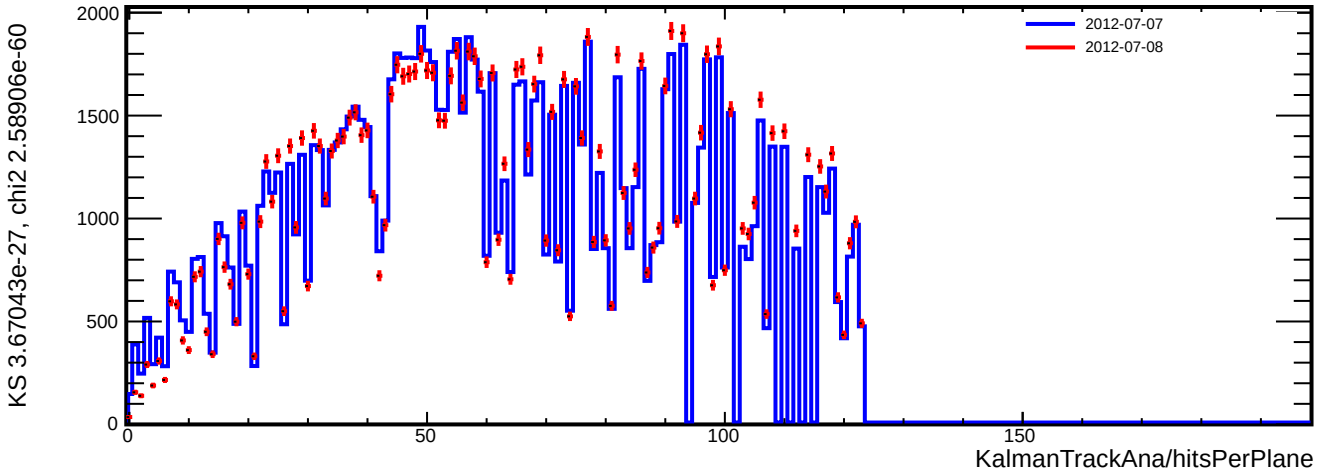

Cos Theta
KS 0.0250115, chi2 0.187367
2012-07-07
2012-07-08
0
1
2
3
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

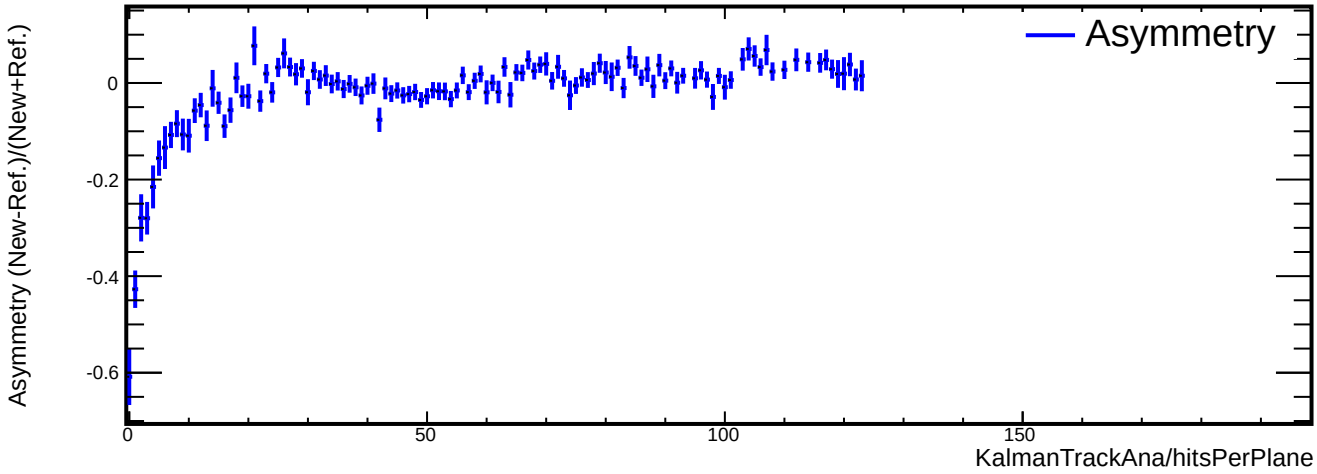

Cos Theta
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

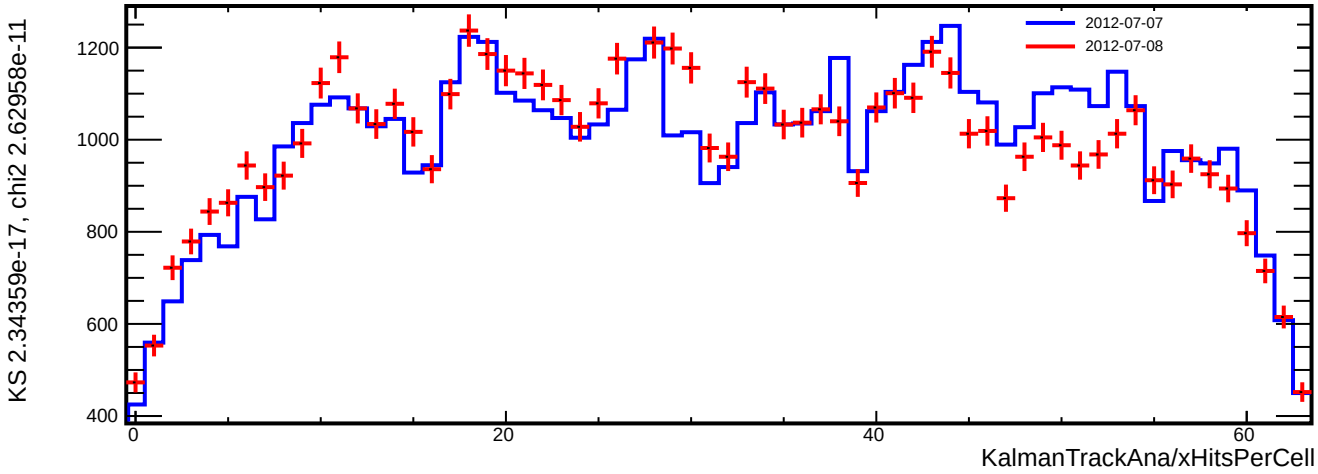

KS 1.6508e-15, chi2 6.55013e-26
2012-07-07
2012-07-08
0
500
1000
1500
0
50
100
150
KalmanTrackAna/xHitsPerPlane

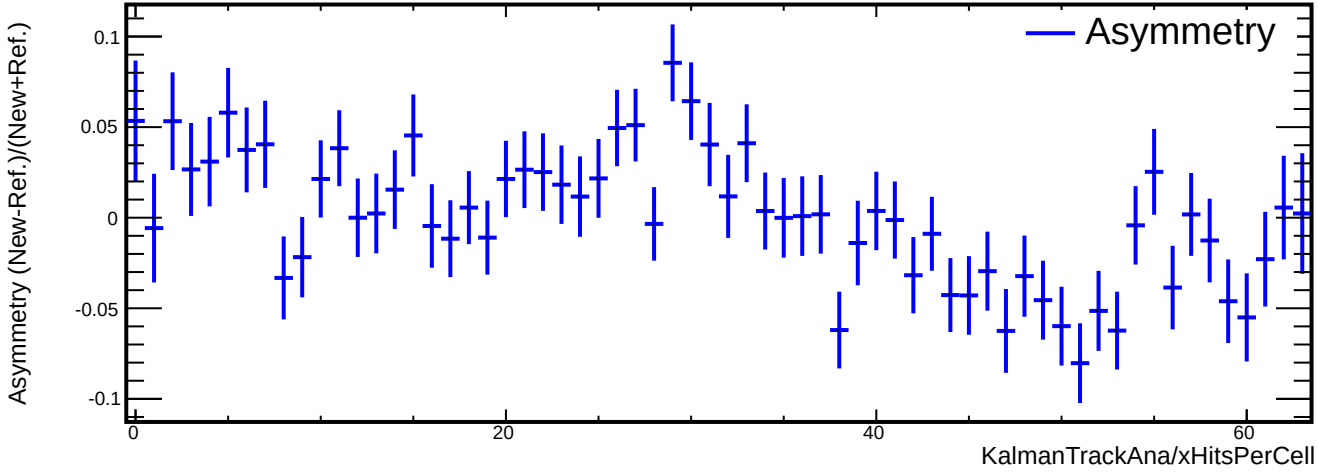

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.2
-0.4
-0.6
0
50
100
150
KalmanTrackAna/xHitsPerPlane

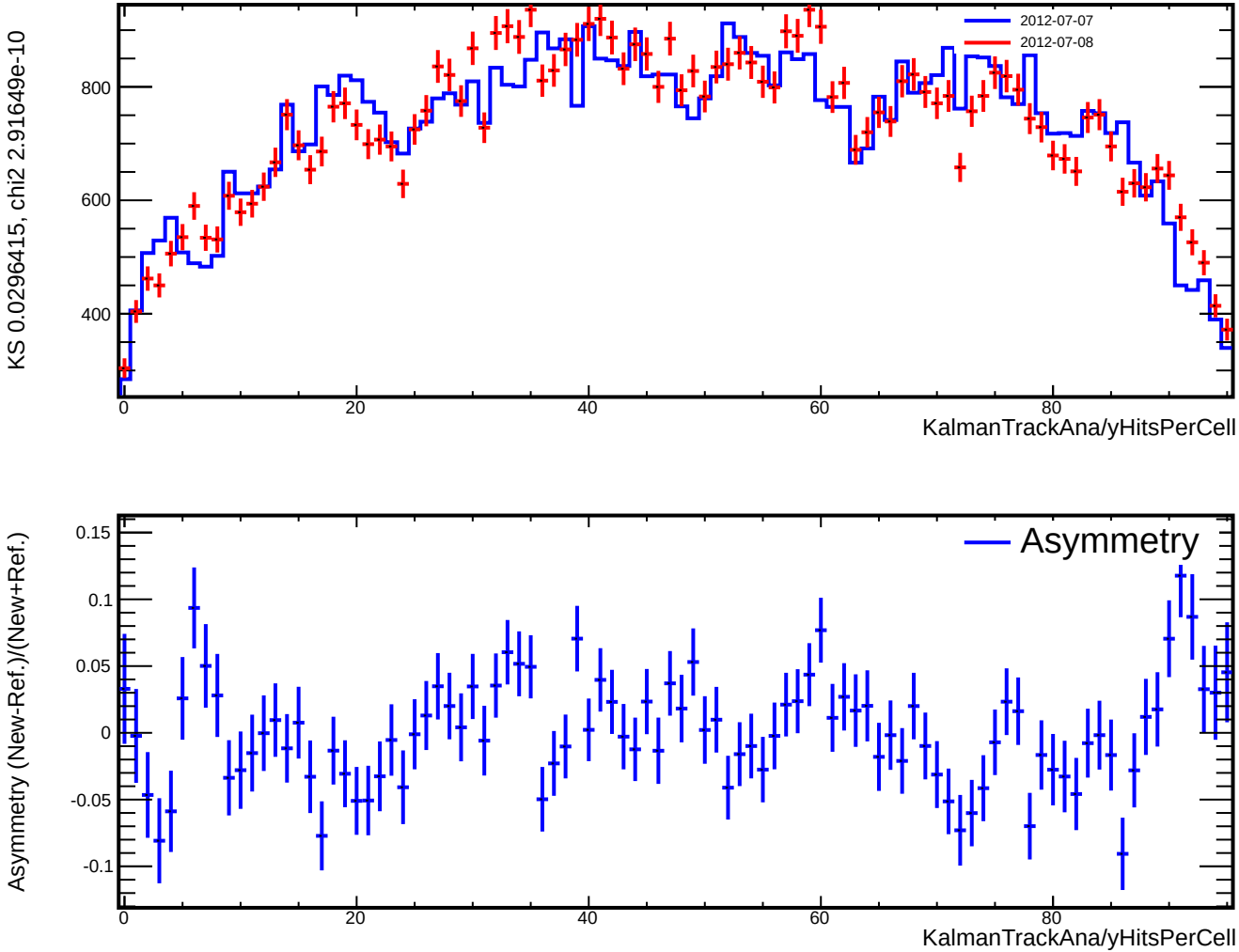

KS 1.51085e-13, chi2 4.08167e-37
2012-07-07
2012-07-08
KalmanTrackAna/yHitsPerPlane
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yHitsPerPlane

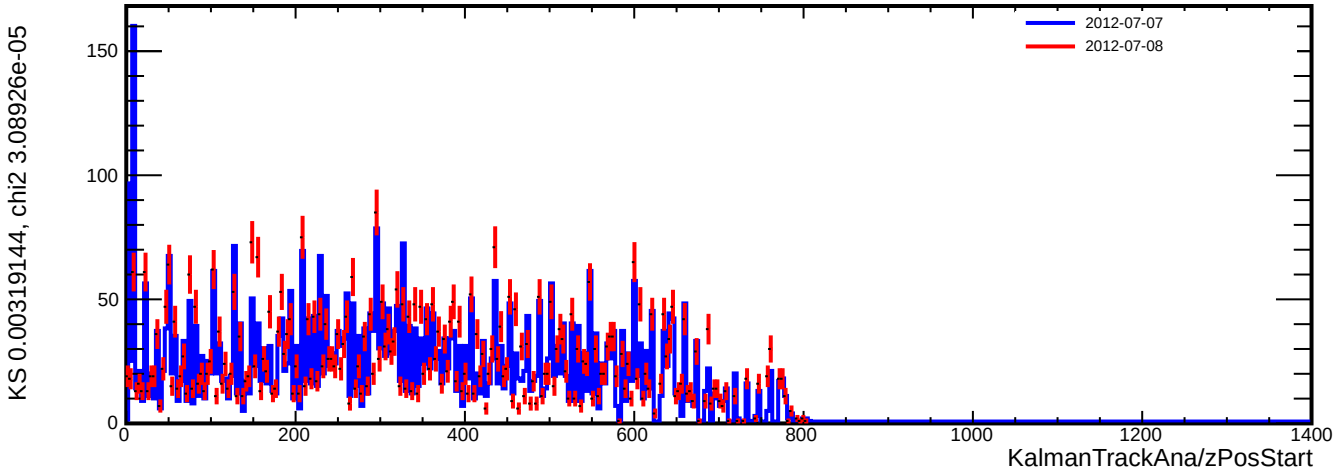

KS 3.67043e-27, chi2 2.58906e-60
2012-07-07
2012-07-08
KalmanTrackAna/hitsPerPlane

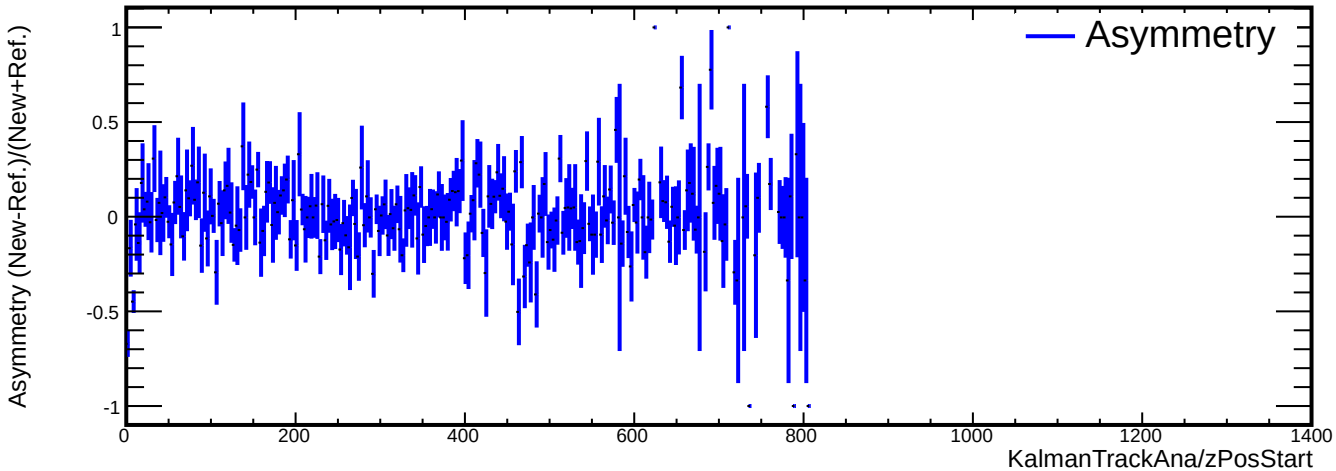

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/hitsPerPlane

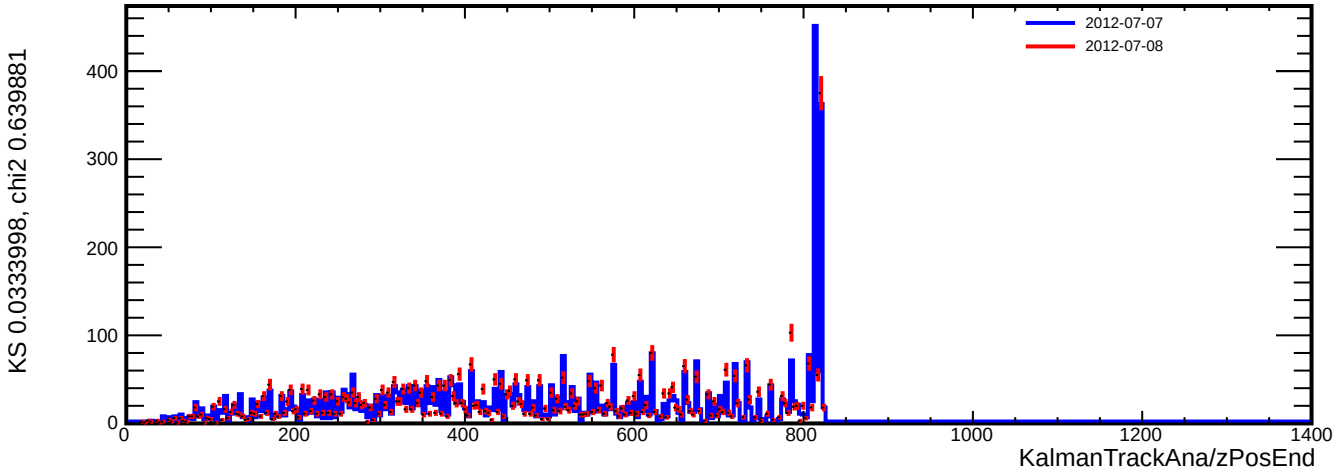

KS 2.34359e-17, chi2 2.62958e-11
2012-07-07
2012-07-08
1200
1000
800
600
400
0
20
40
60
KalmanTrackAna/xHitsPerCell

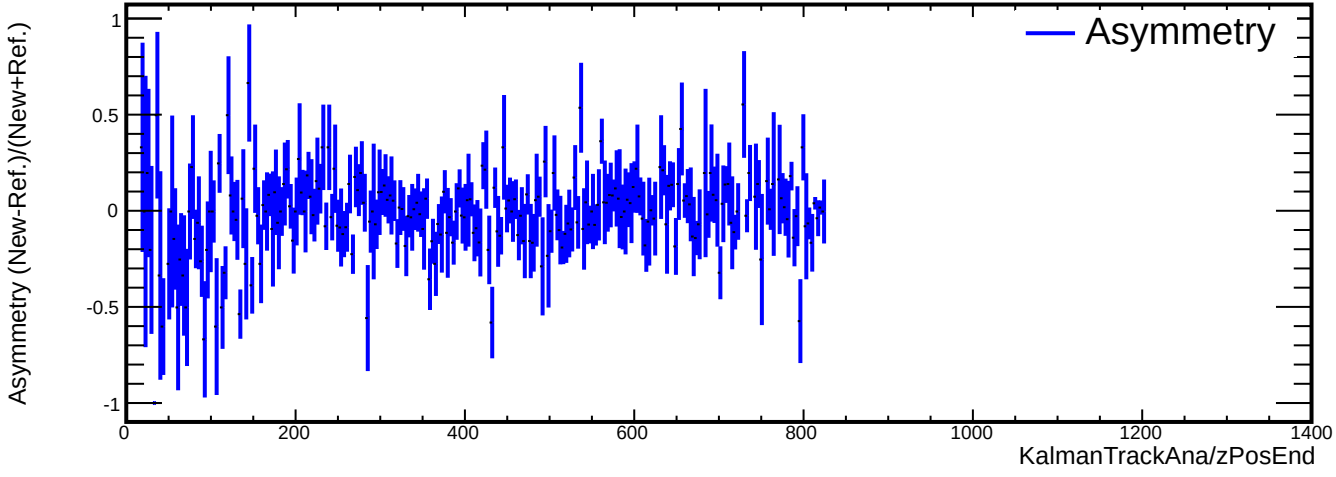

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
20
40
60
KalmanTrackAna/xHitsPerCell

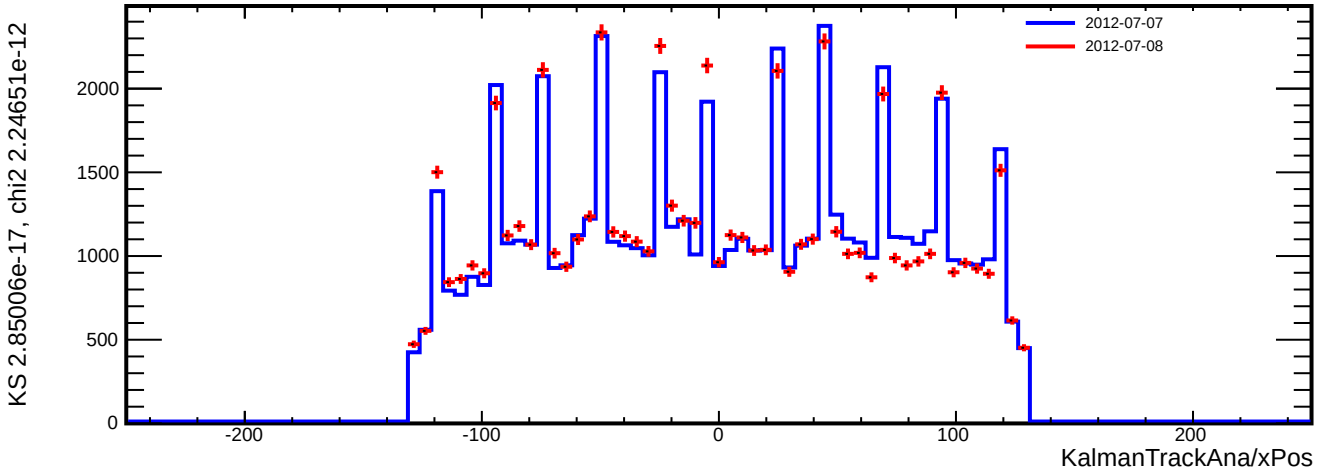

KS 0.0296415, chi2 2.91649e-10
2012-07-07
2012-07-08
800
600
400
0
20
40
60
80
KalmanTrackAna/yHitsPerCell
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.15
0.1
0.05
0
-0.05
-0.1
0
20
40
60
80
KalmanTrackAna/yHitsPerCell

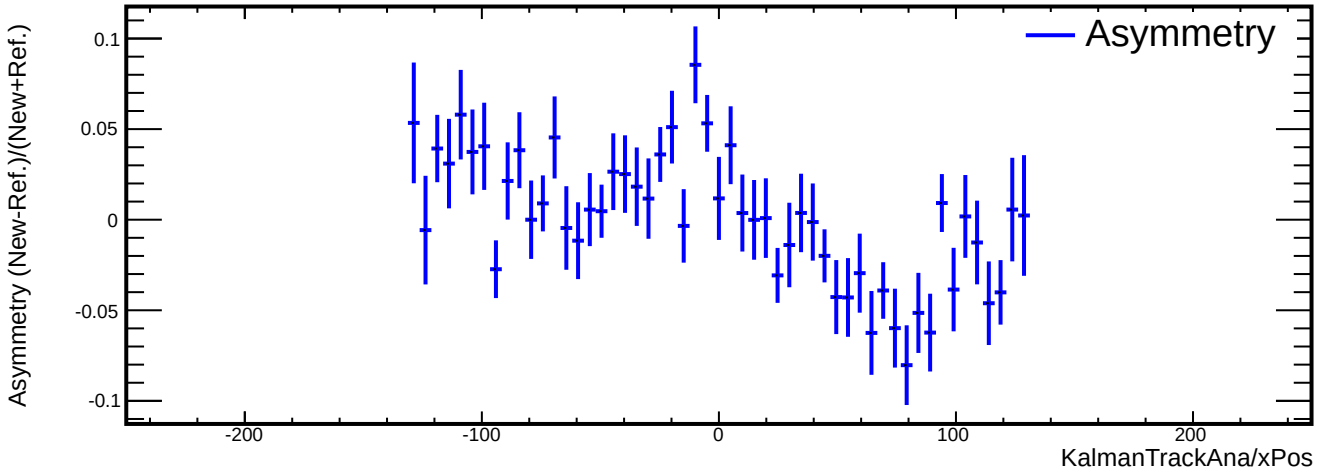

KS 0.00319144, chi2 3.08926e-05
2012-07-07
2012-07-08
150
100
50
0
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosStart

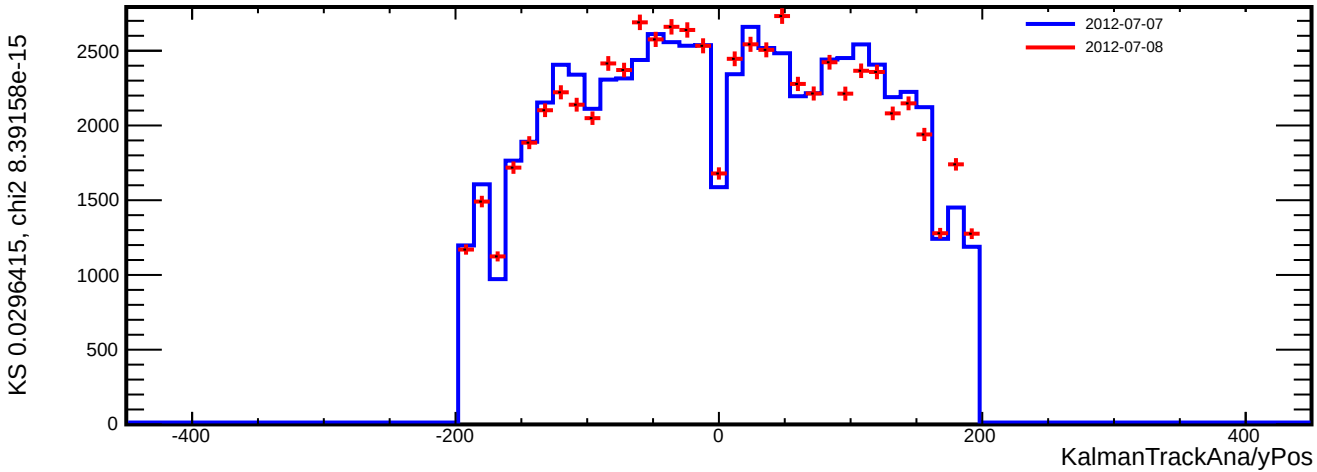

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosStart

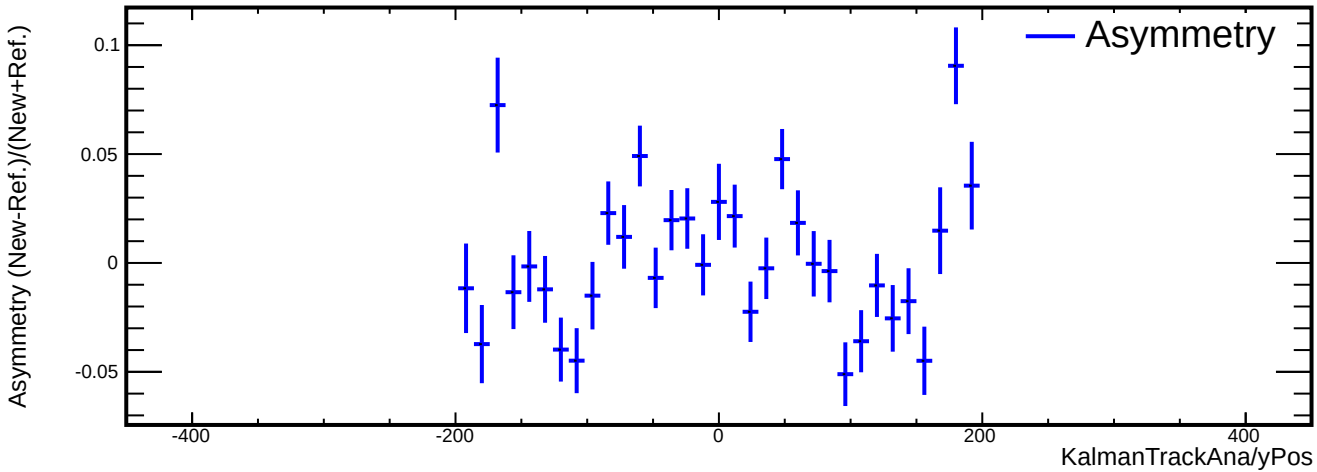

KS 0.0333998, chi2 0.639881
2012-07-07
2012-07-08
0
100
200
300
400
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosEnd

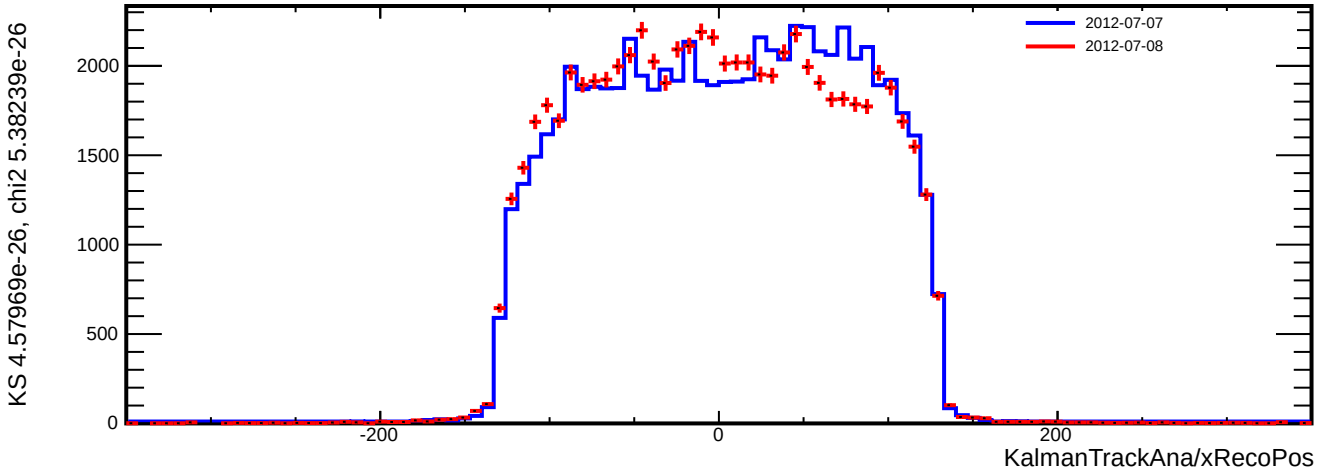

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosEnd

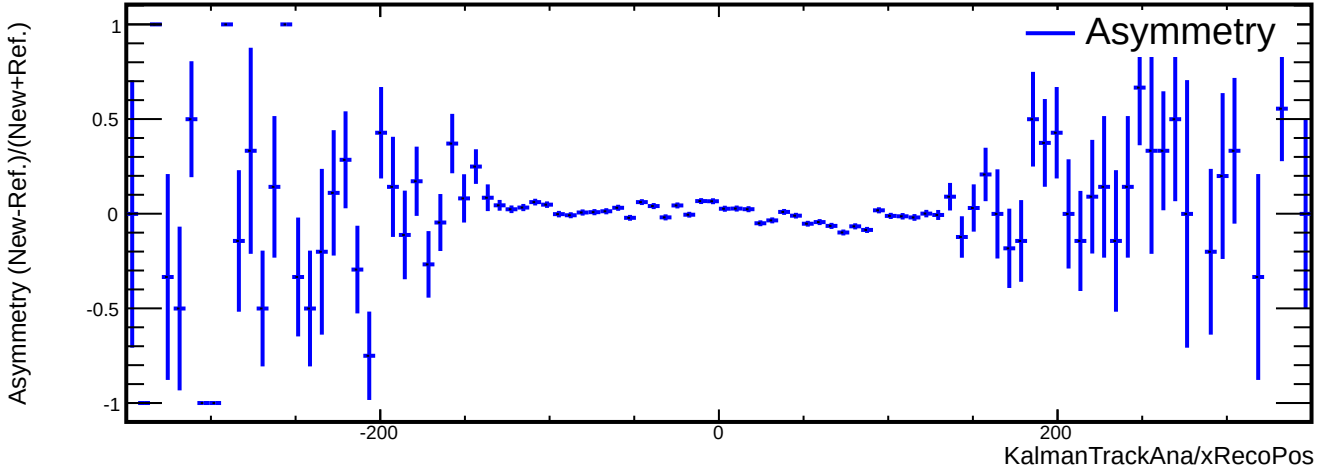

KS 2.85006e-17, chi2 2.24651e-12
2012-07-07
2012-07-08
2000
1500
1000
500
0
-200
-100
0
100
200
KalmanTrackAna/xPos

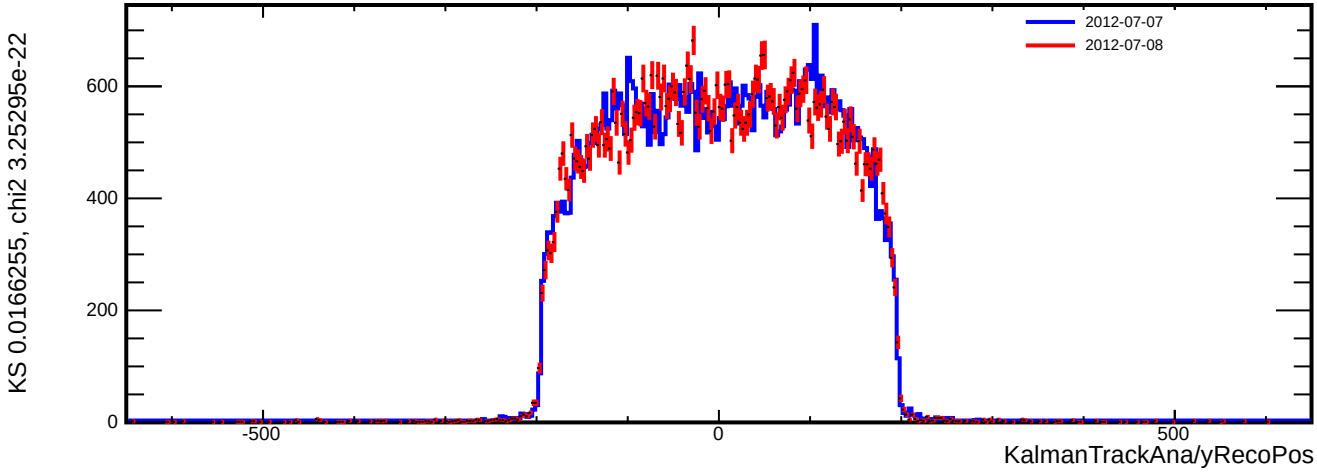

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
-200
-100
0
100
200
KalmanTrackAna/xPos

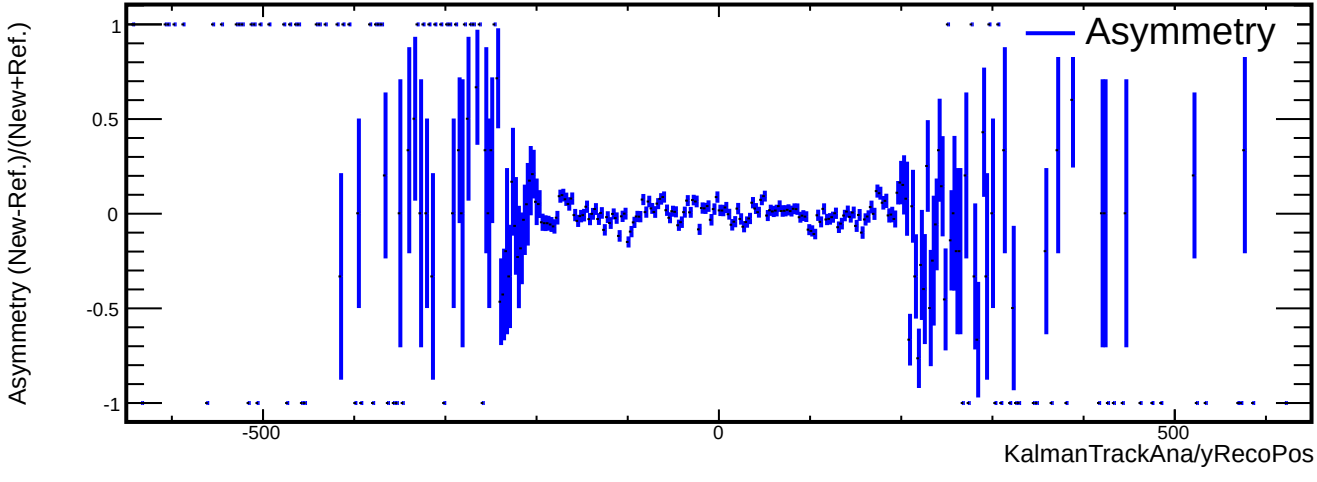

KS 0.0296415, chi2 8.39158e-15
2012-07-07
2012-07-08
2500
2000
1500
1000
500
0
-400
-200
0
200
400
KalmanTrackAna/yPos

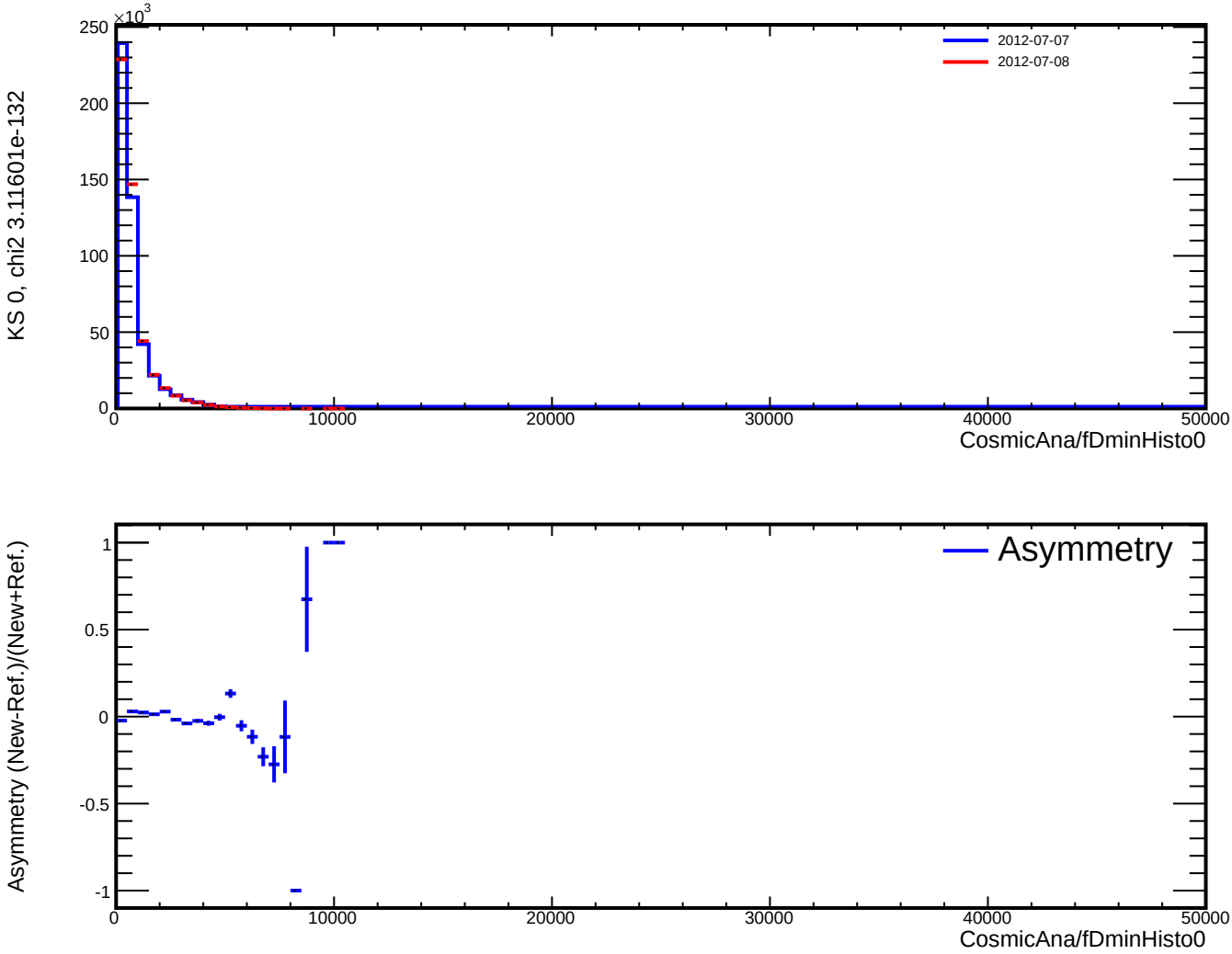

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-400
-200
0
200
400
KalmanTrackAna/yPos

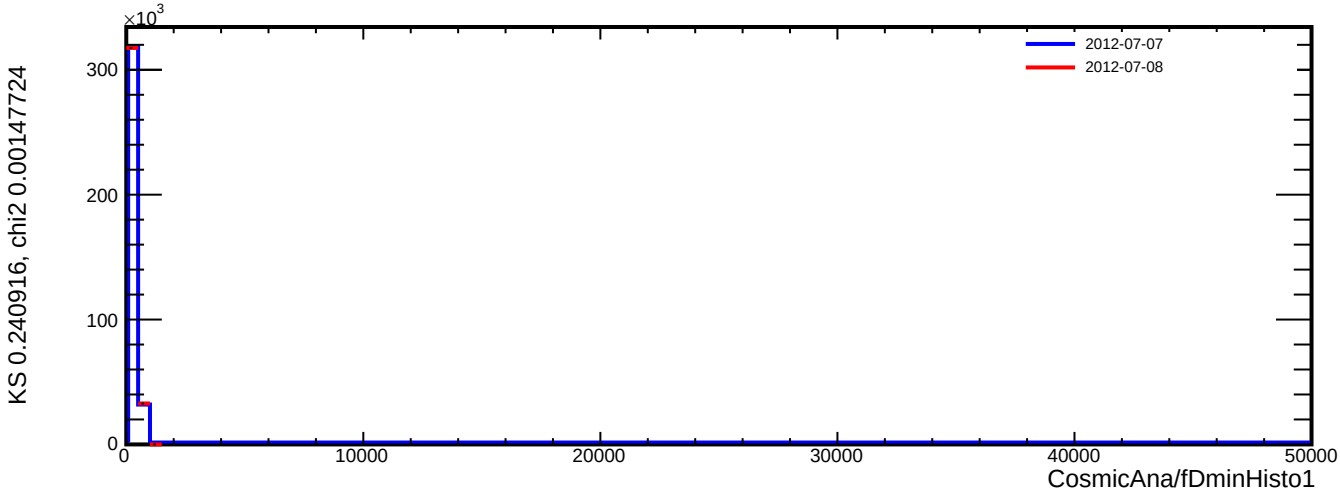

KS 4.57969e-26, chi2 5.38239e-26
2012-07-07
2012-07-08
2000
1500
1000
500
0
-200
0
200
KalmanTrackAna/xRecoPos

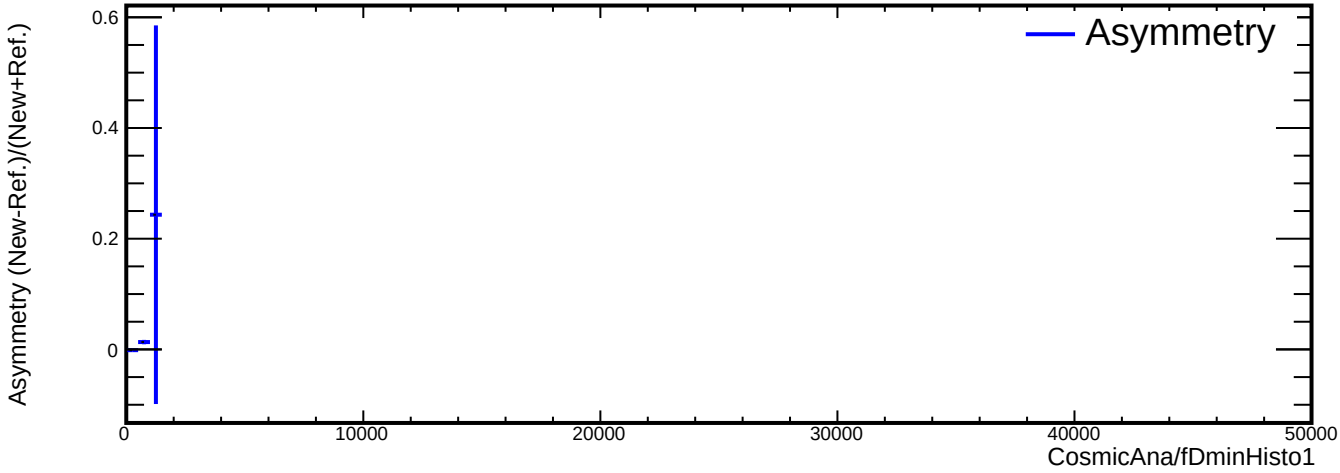

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
0
200
KalmanTrackAna/xRecoPos

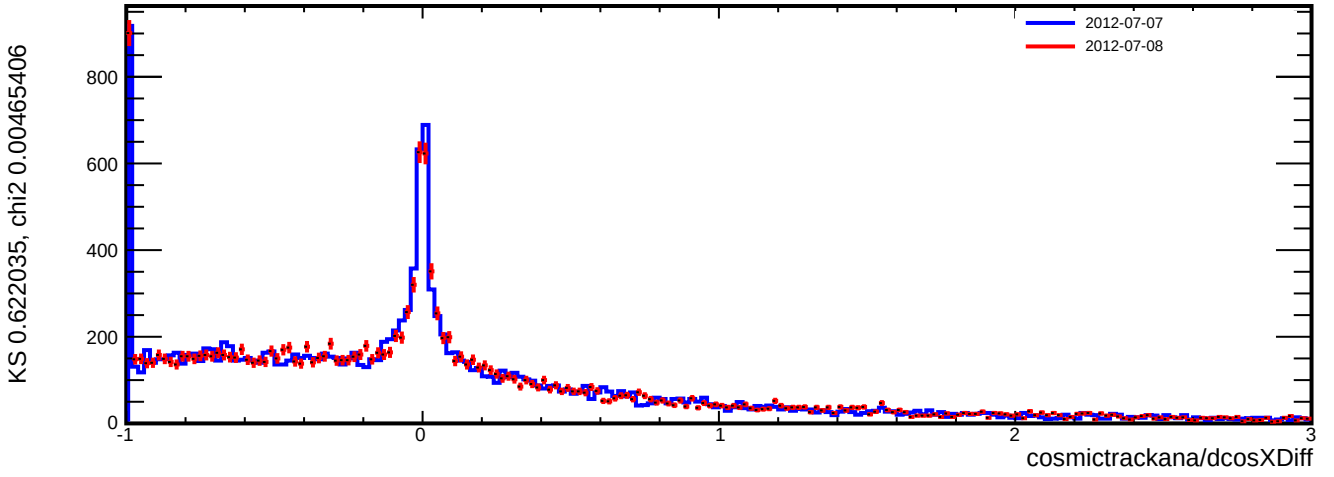

KS 0.0166255, chi2 3.25295e-22
2012-07-07
2012-07-08
600
400
200
0
-500
0
500
KalmanTrackAna/yRecoPos

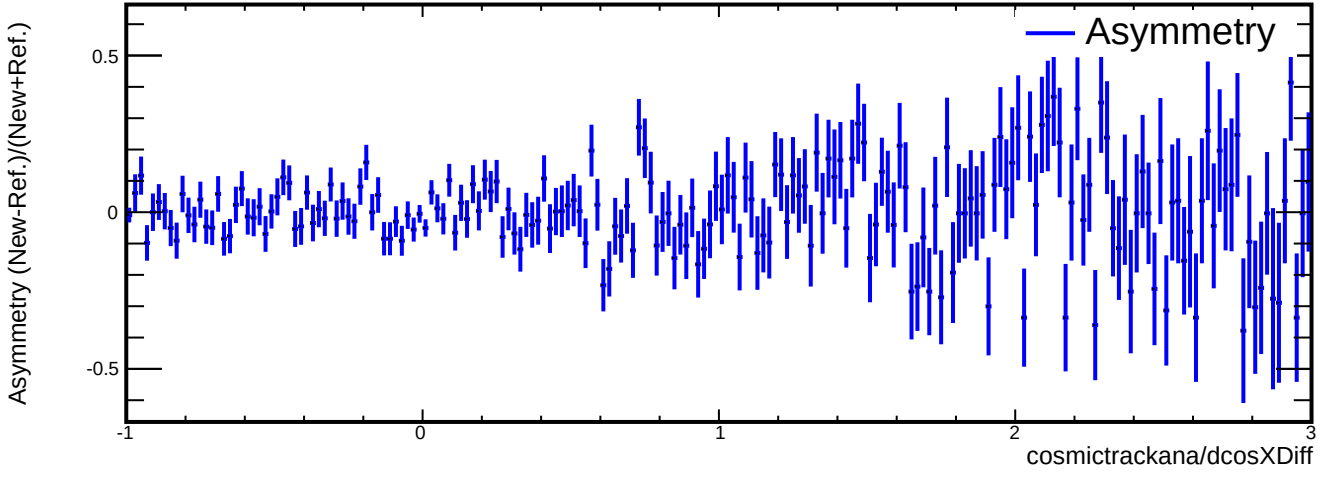

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-500
0
500
KalmanTrackAna/yRecoPos

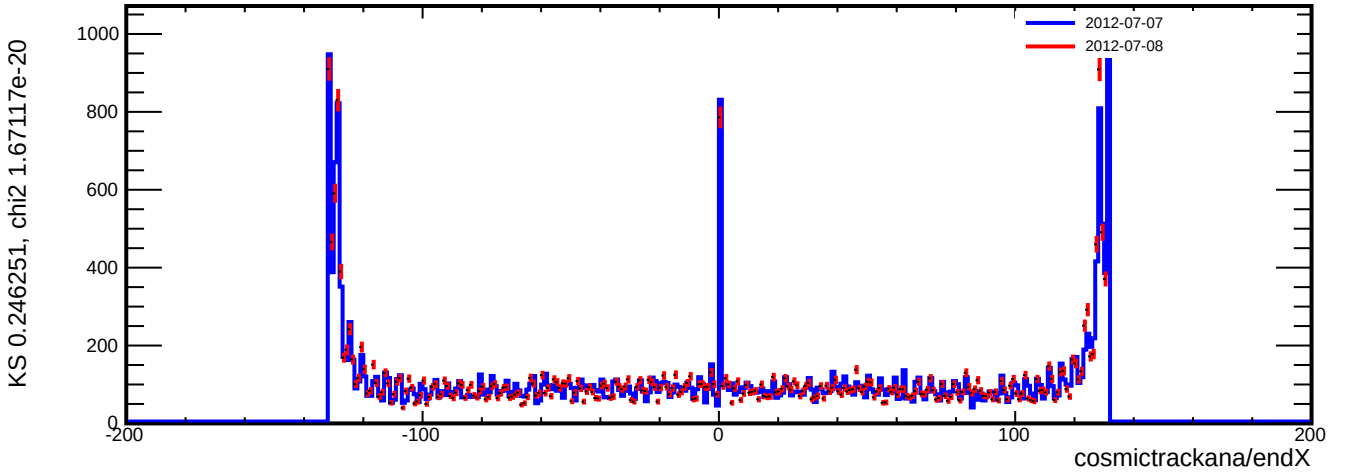

×10^3
250
200
150
100
50
0
KS 0, chi2 3.11601e-132
2012-07-07
2012-07-08
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
Asymmetry
1
0.5
0
-0.5
-1
Asymmetry (New-Ref.)/(New+Ref.)
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0

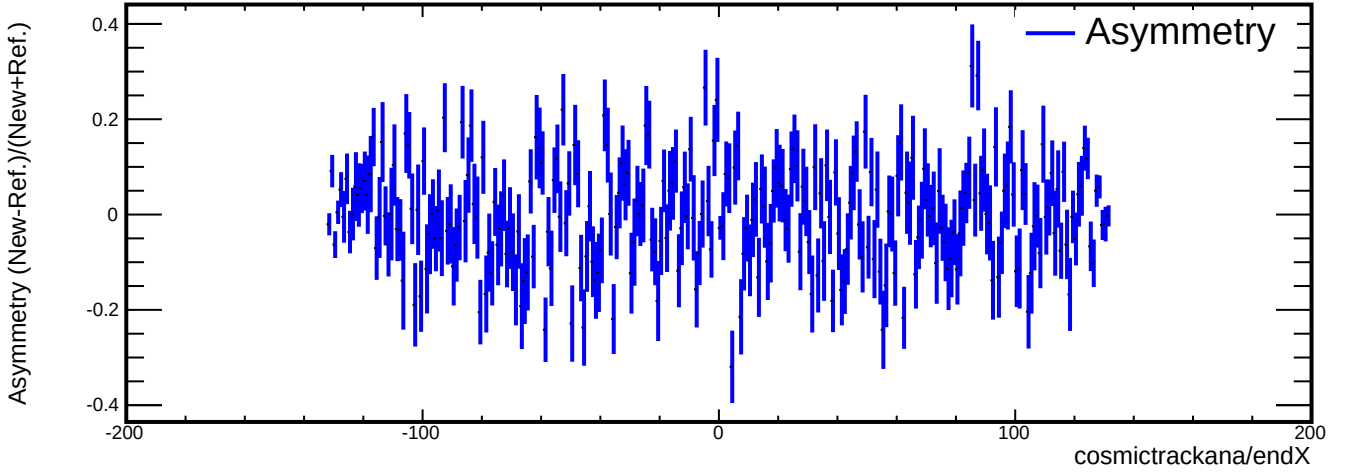

×10^3
300
200
100
0
0
10000
20000
30000
40000
50000
KS 0.240916, chi2 0.00147724
CosmicAna/fDminHisto1
2012-07-07
2012-07-08

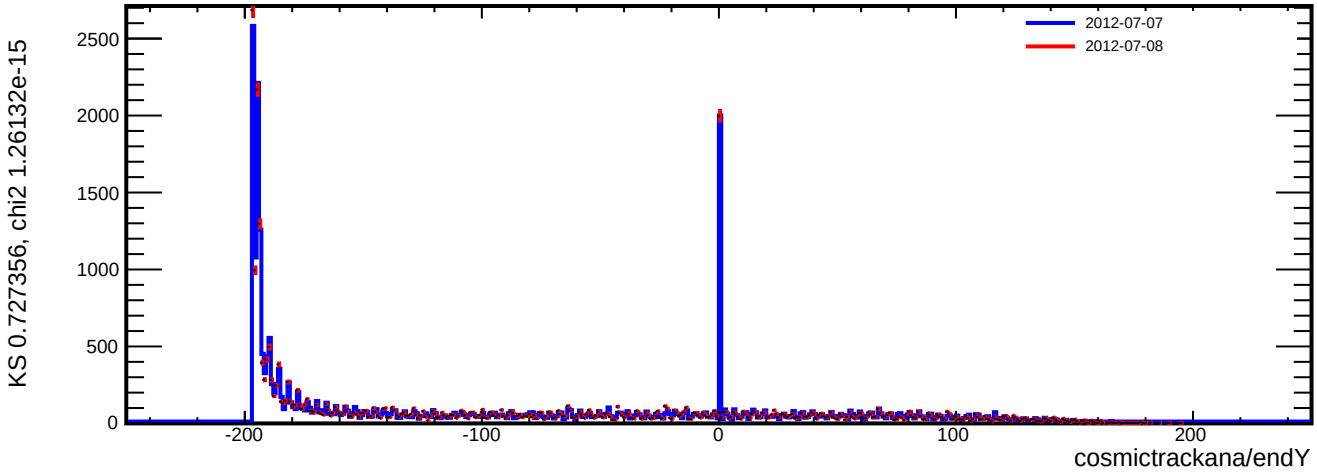

0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
Asymmetry (New-Ref.)/(New+Ref.)
CosmicAna/fDminHisto1
Asymmetry

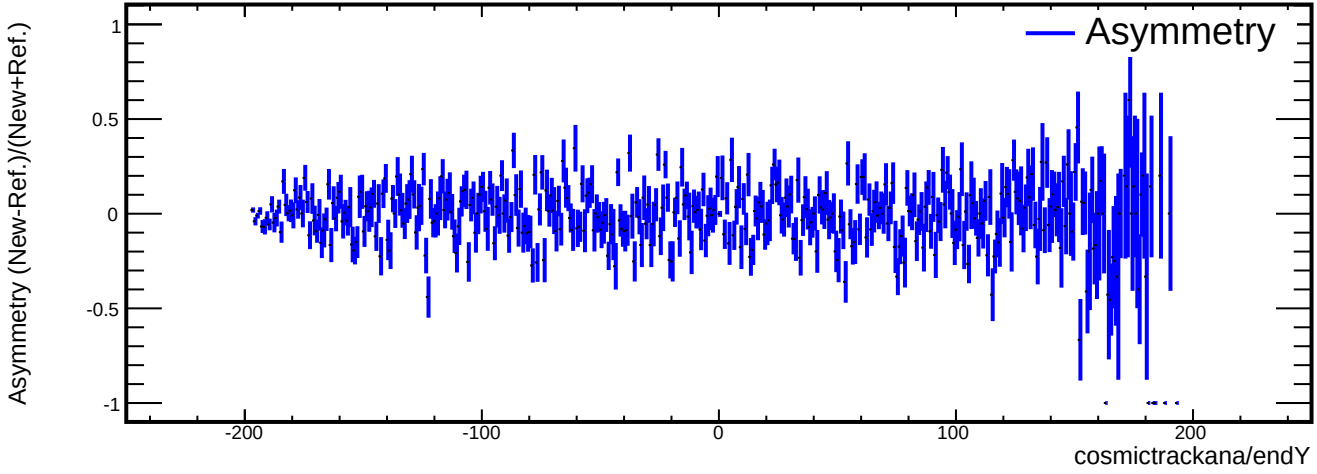

KS 0.622035, chi2 0.00465406
2012-07-07
2012-07-08
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosXDiff

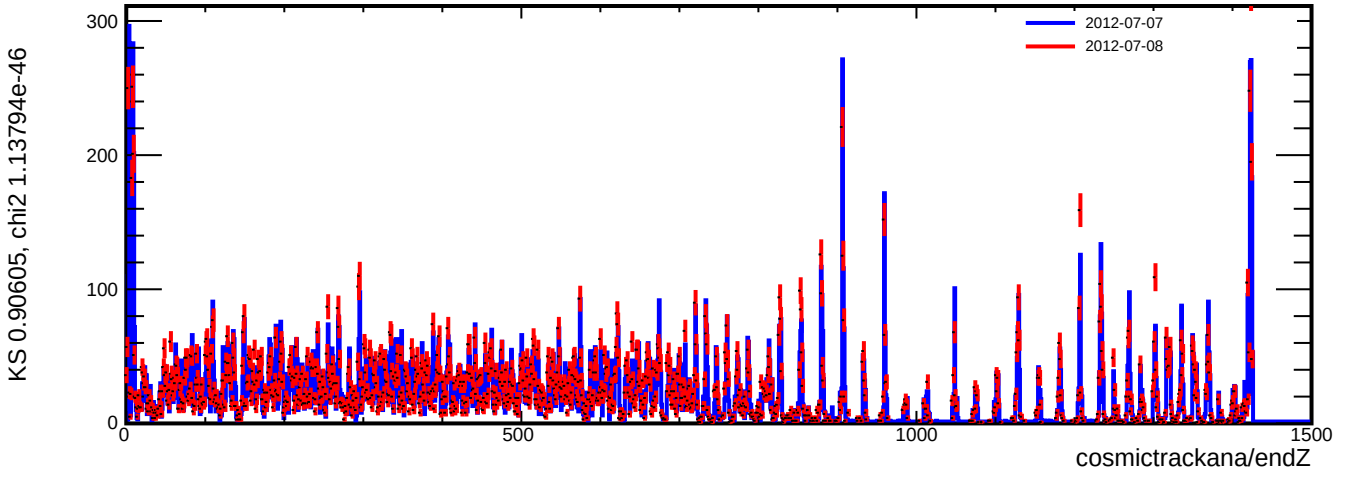

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosXDiff

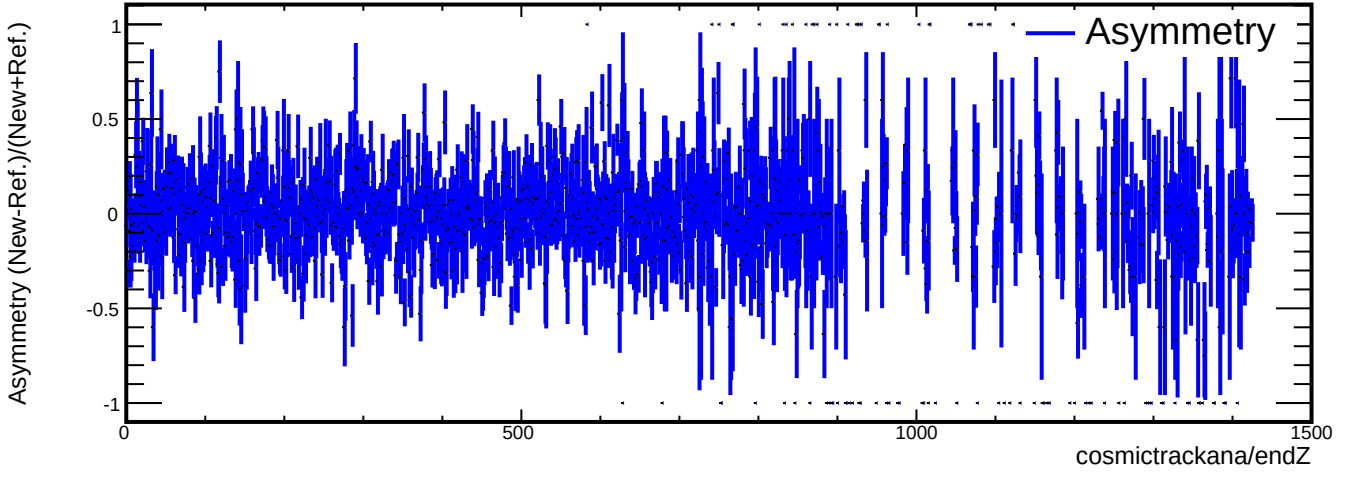

KS 0.246251, chi2 1.67117e-20
2012-07-07
2012-07-08
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

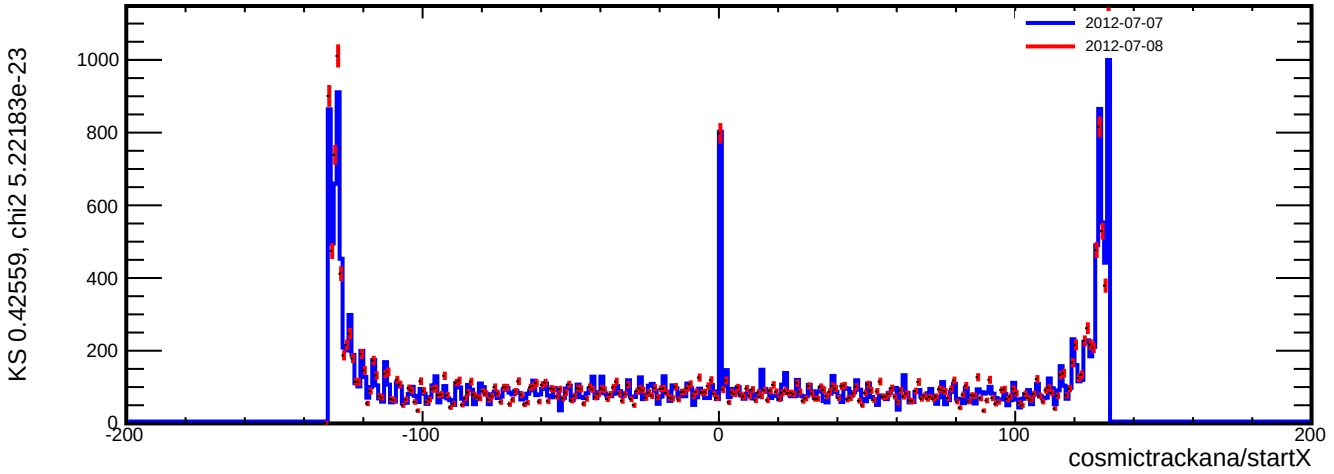

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-0.4
-200
-100
0
100
200
cosmictrackana/endX

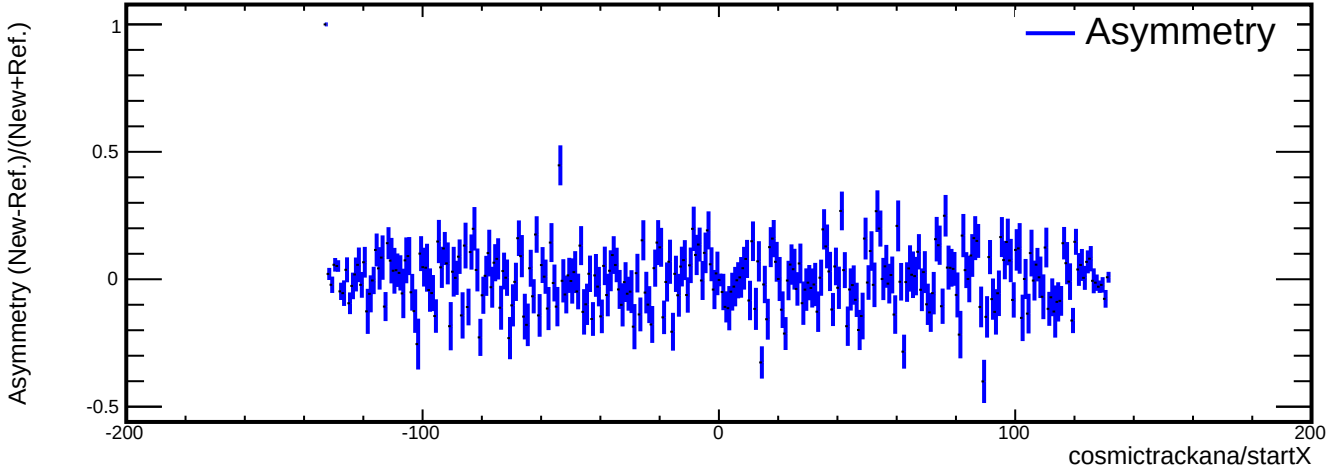

KS 0.727356, chi2 1.26132e-15
2012-07-07
2012-07-08
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

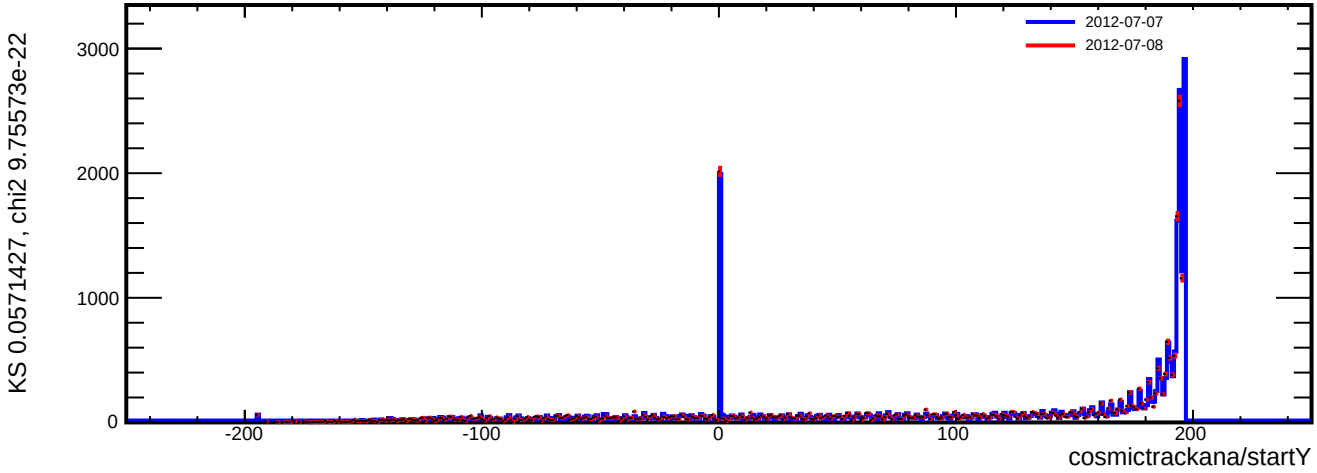

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

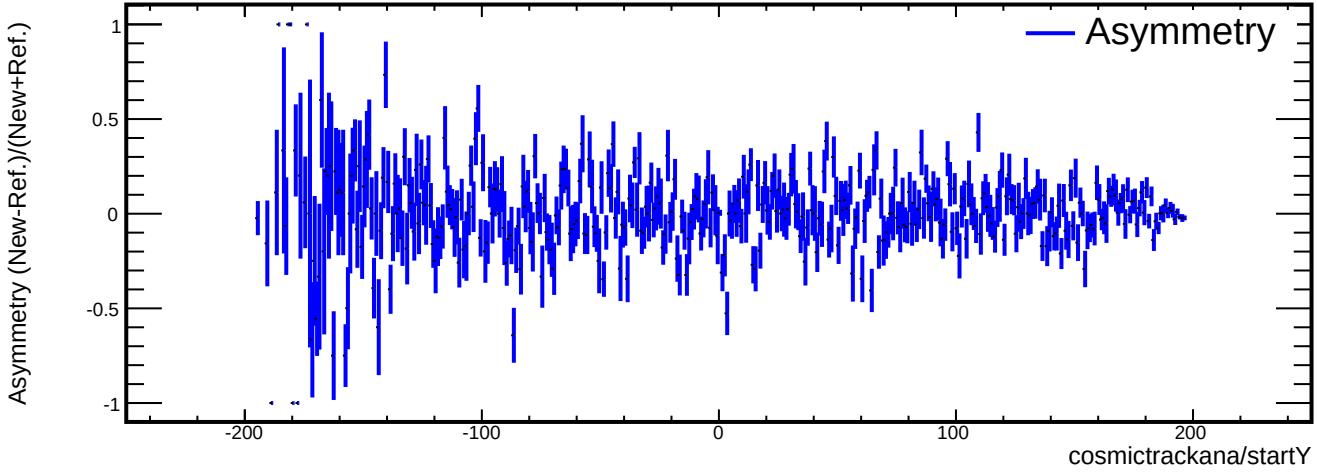

KS 0.90605, chi2 1.13794e-46
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ
2012-07-07
2012-07-08

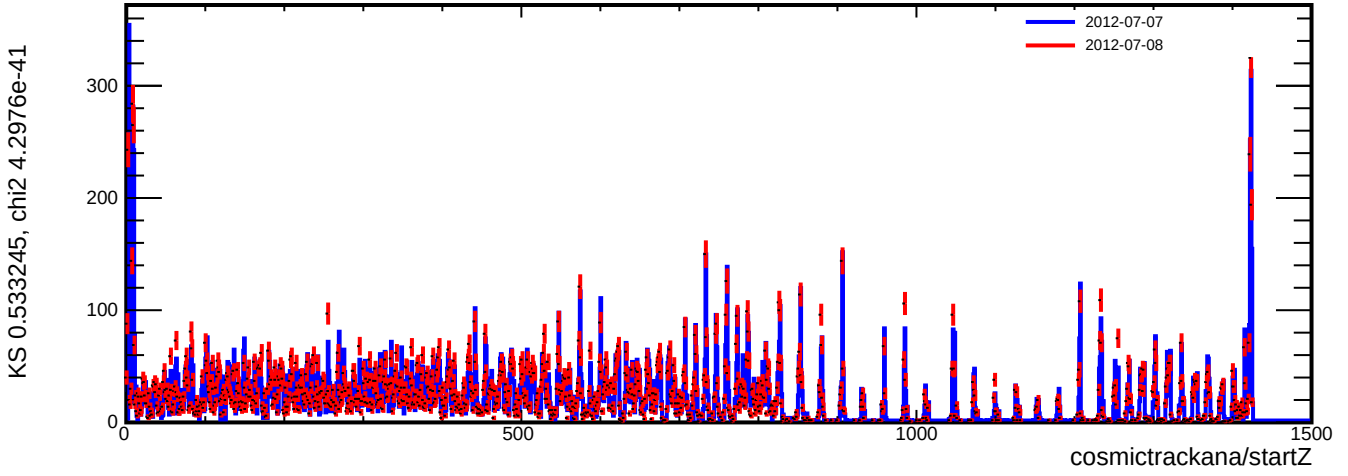

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ
Asymmetry

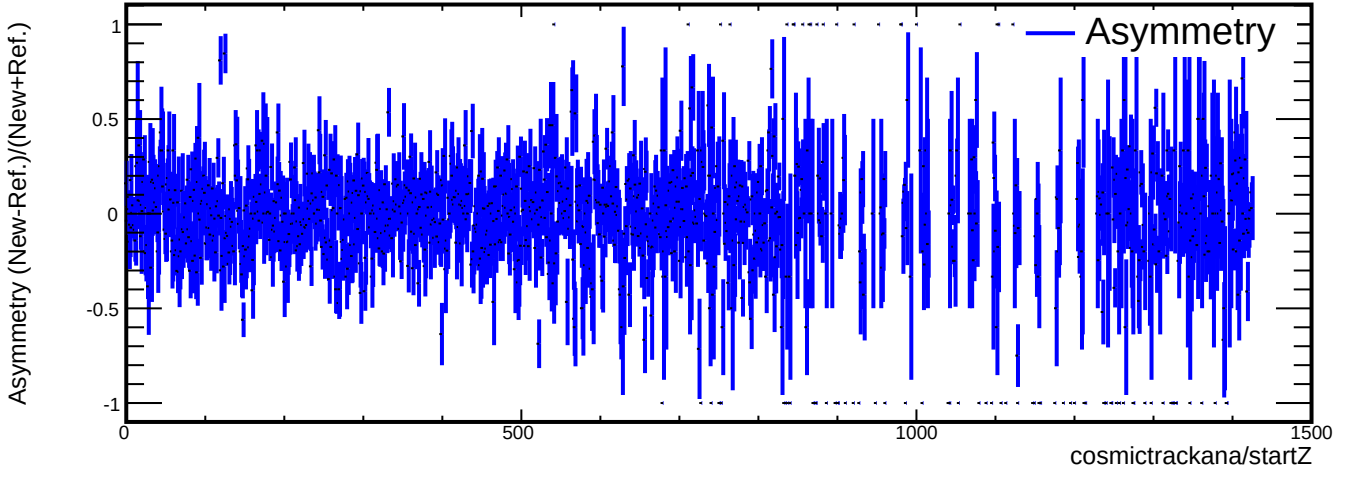

KS 0.42559, chi2 5.22183e-23
2012-07-07
2012-07-08
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

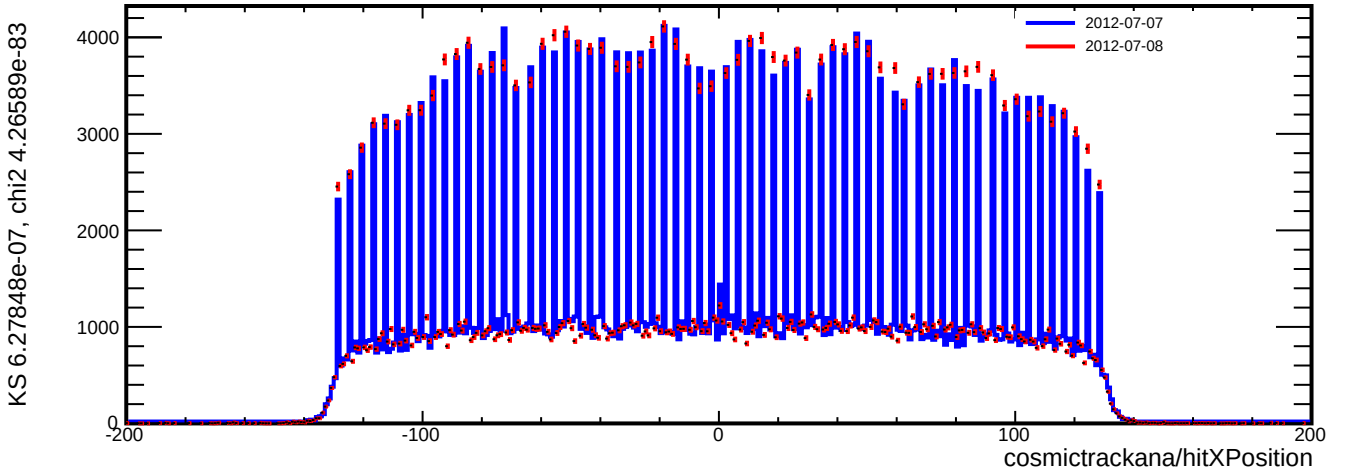

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/startX

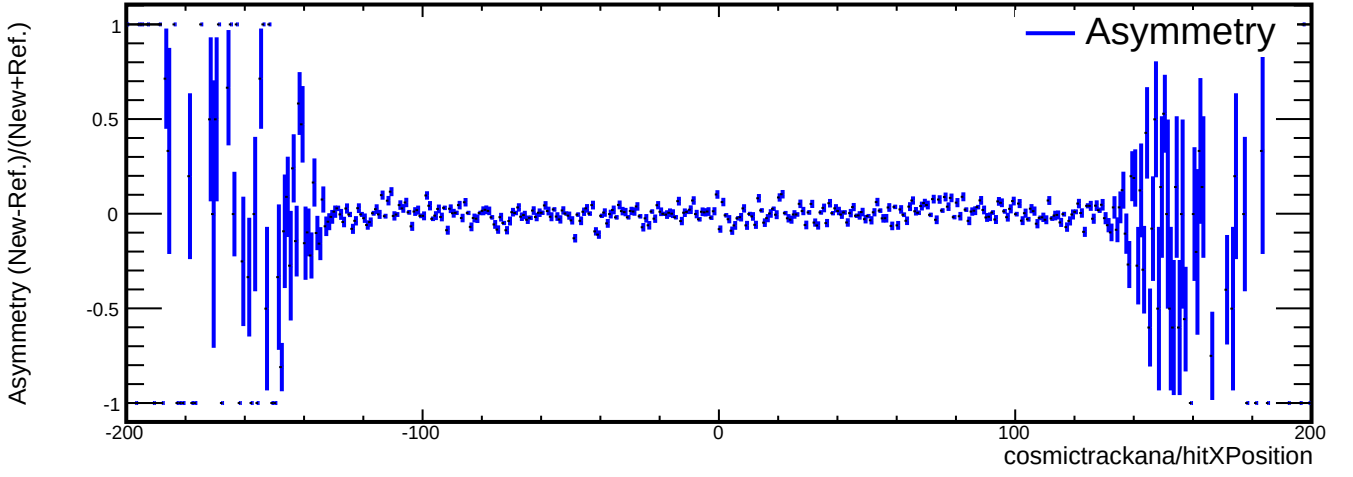

KS 0.0571427, chi2 9.75573e-22
2012-07-07
2012-07-08
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

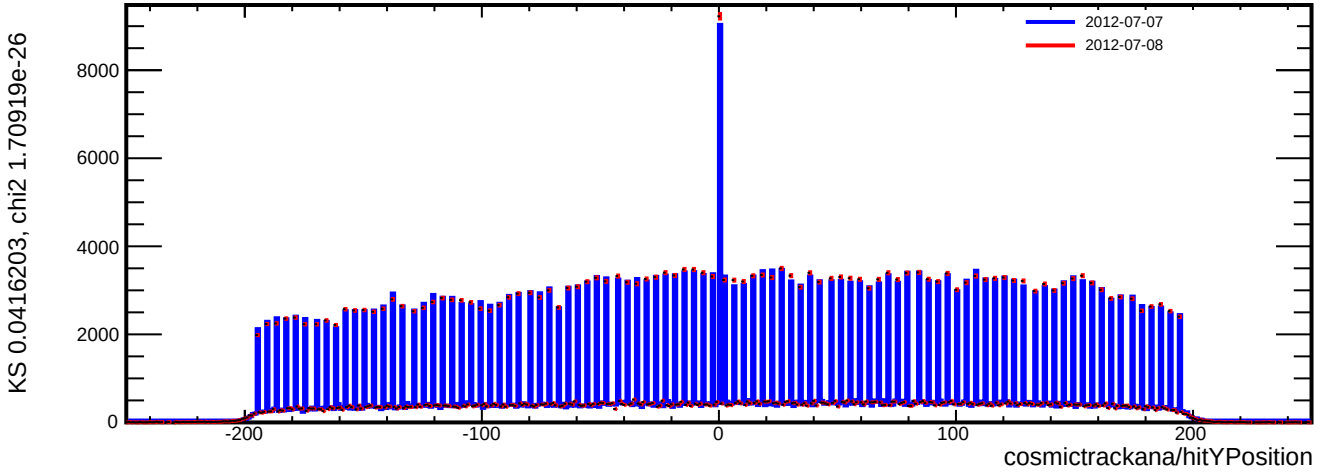

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

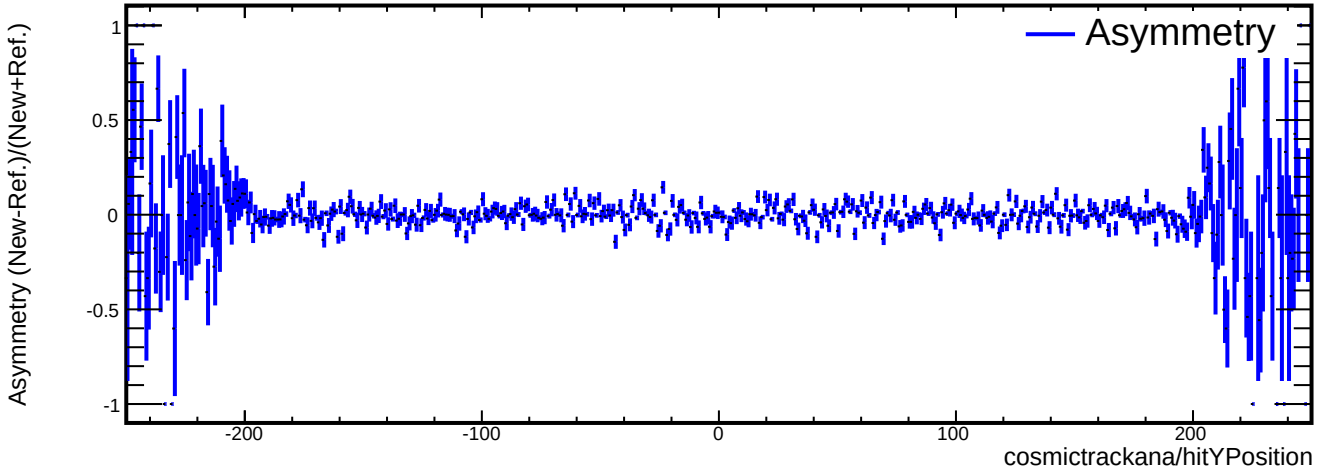

KS 0.533245, chi2 4.2976e-41
2012-07-07
2012-07-08
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

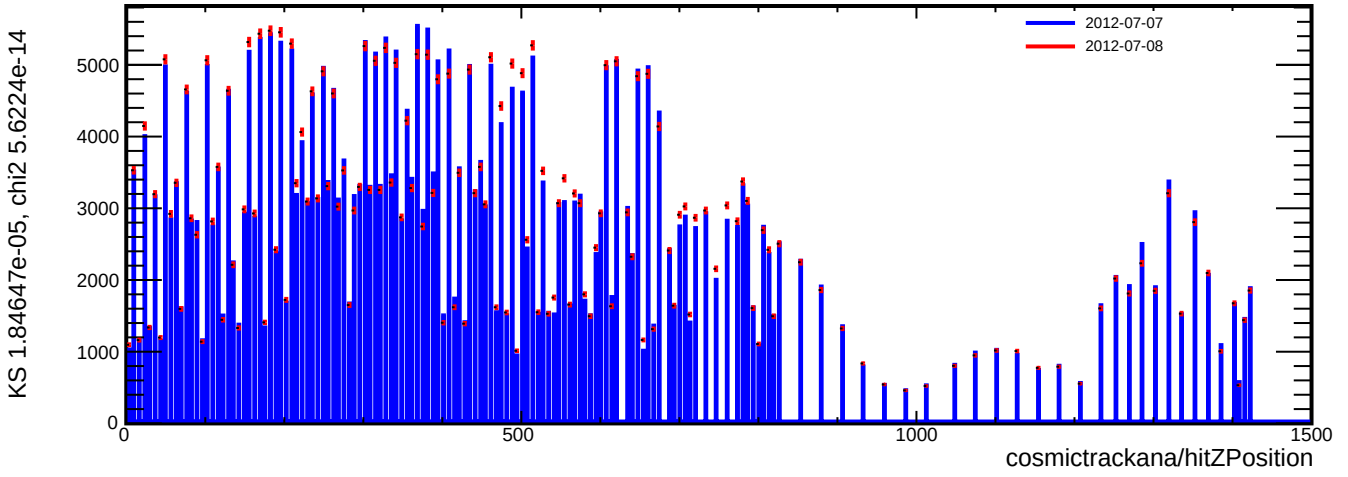

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

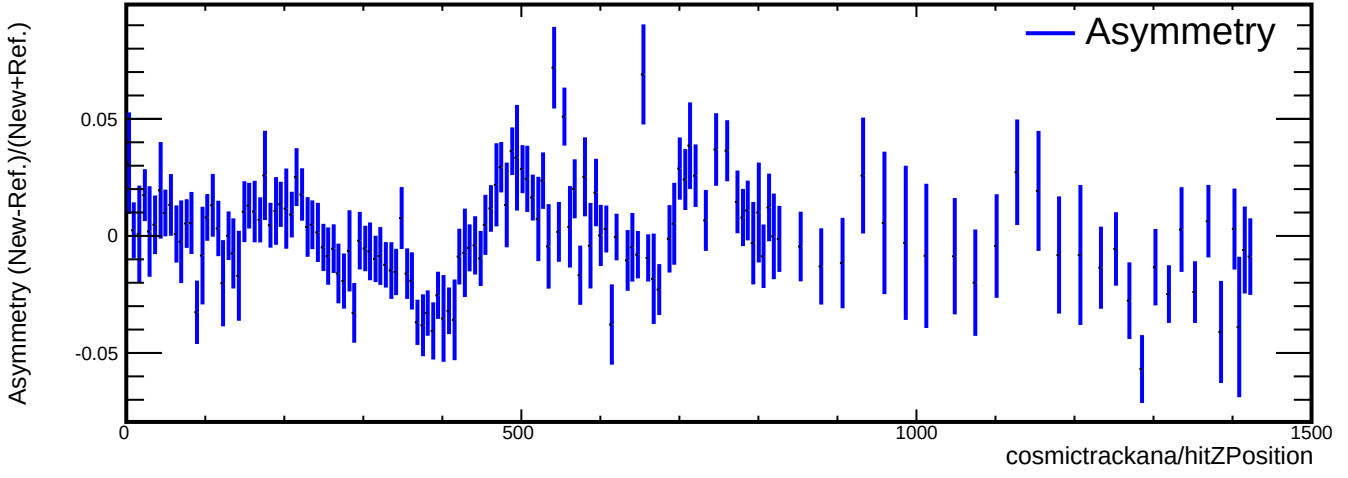

KS 6.27848e-07, chi2 4.26589e-83
2012-07-07
2012-07-08
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

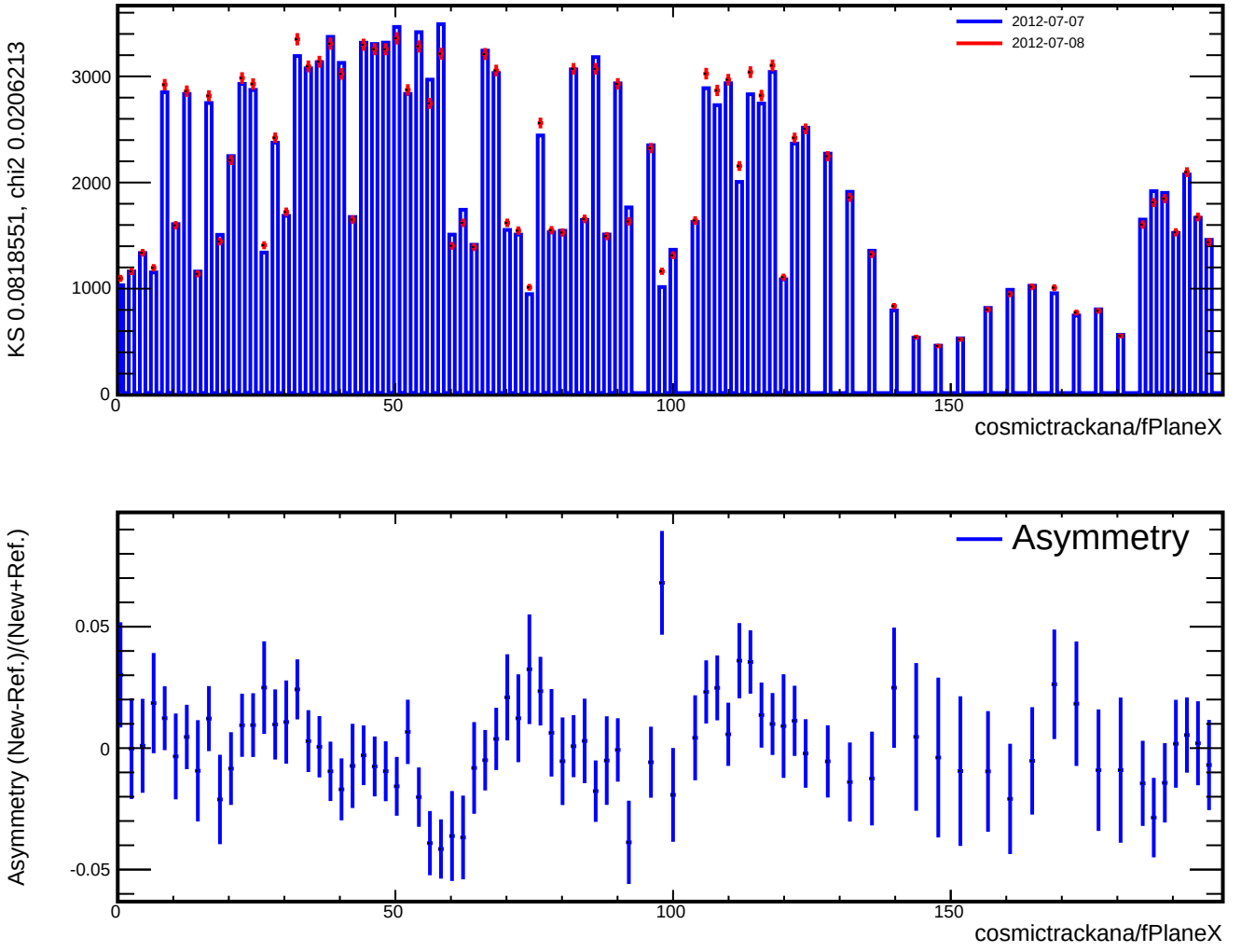

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

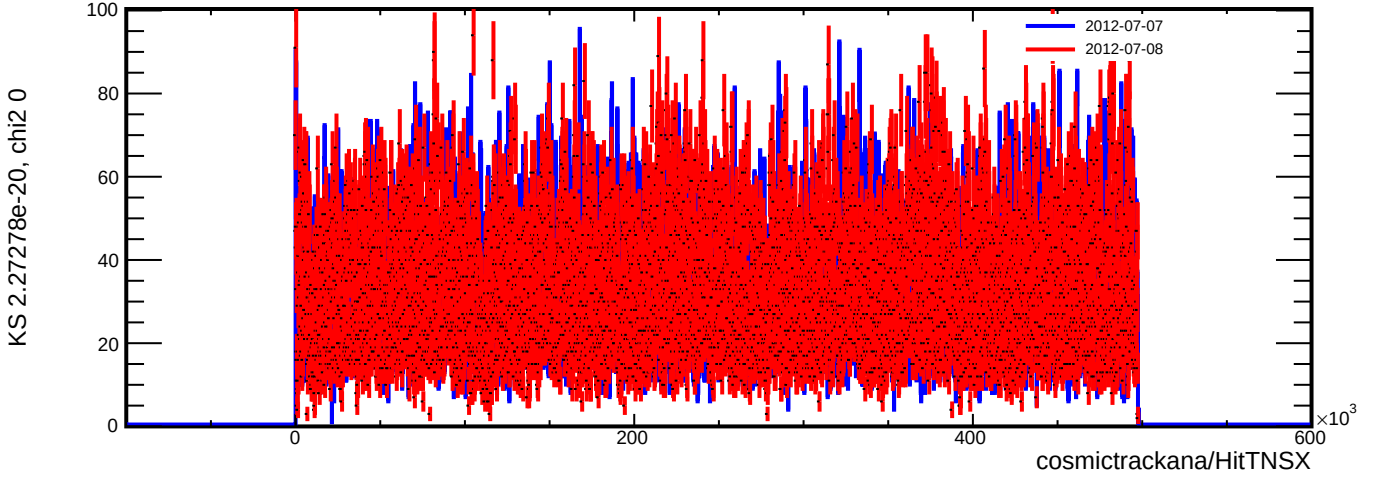

KS 0.0416203, chi2 1.70919e-26
2012-07-07
2012-07-08
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

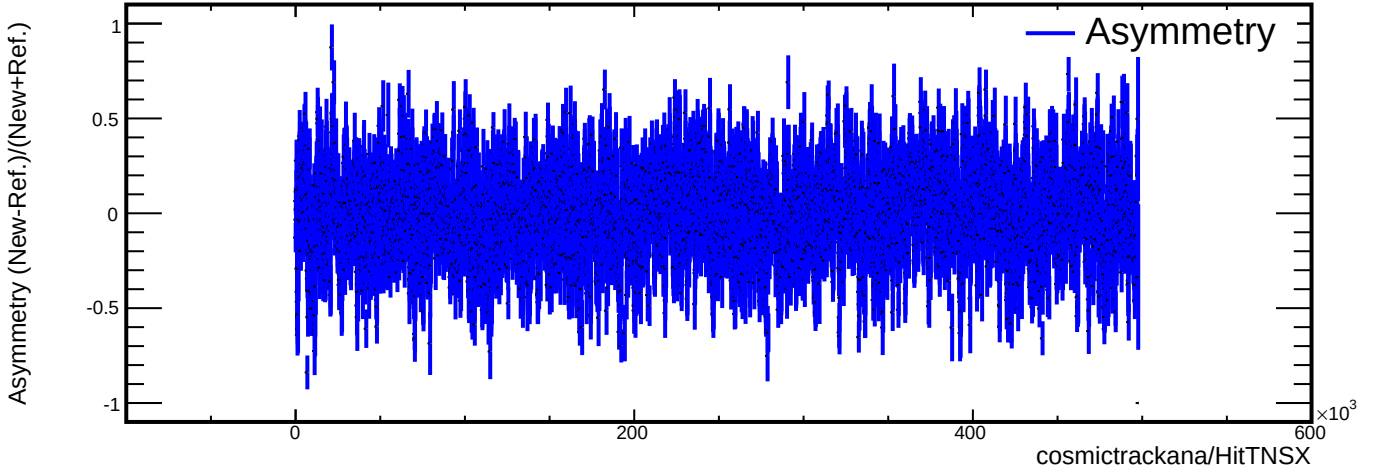

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

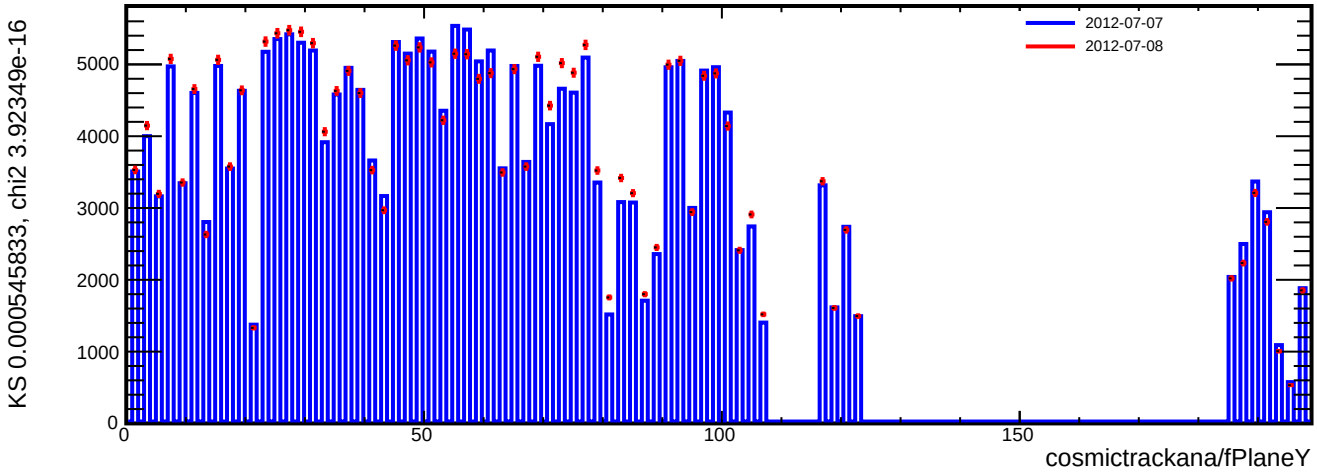

KS 1.84647e-05, chi2 5.6224e-14
2012-07-07
2012-07-08
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

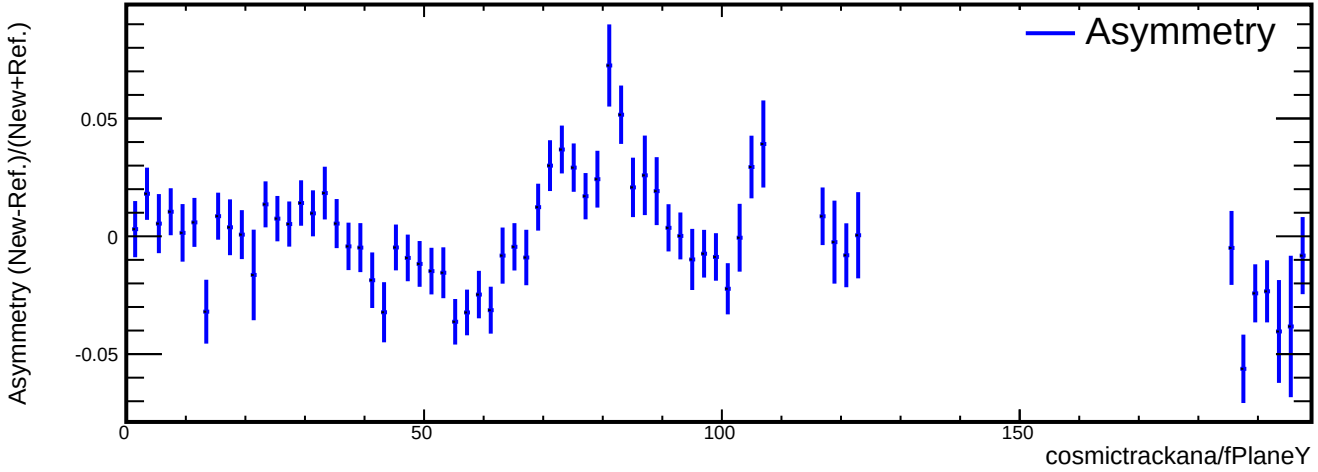

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
0
500
1000
1500
cosmictrackana/hitZPosition

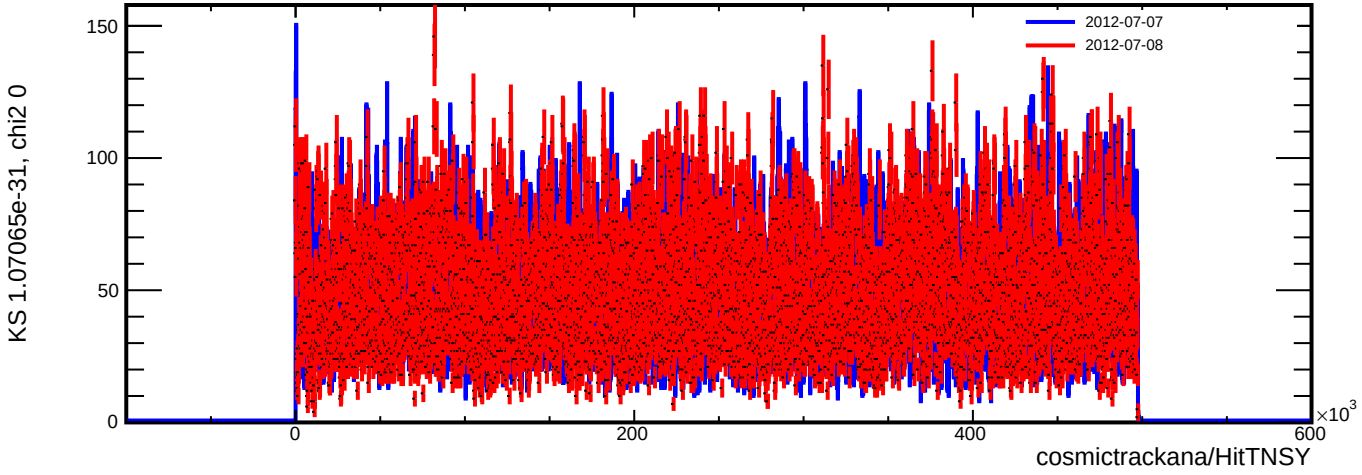

KS 0.0818551, chi2 0.0206213
2012-07-07
2012-07-08
cosmictrackana/fPlaneX
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/fPlaneX

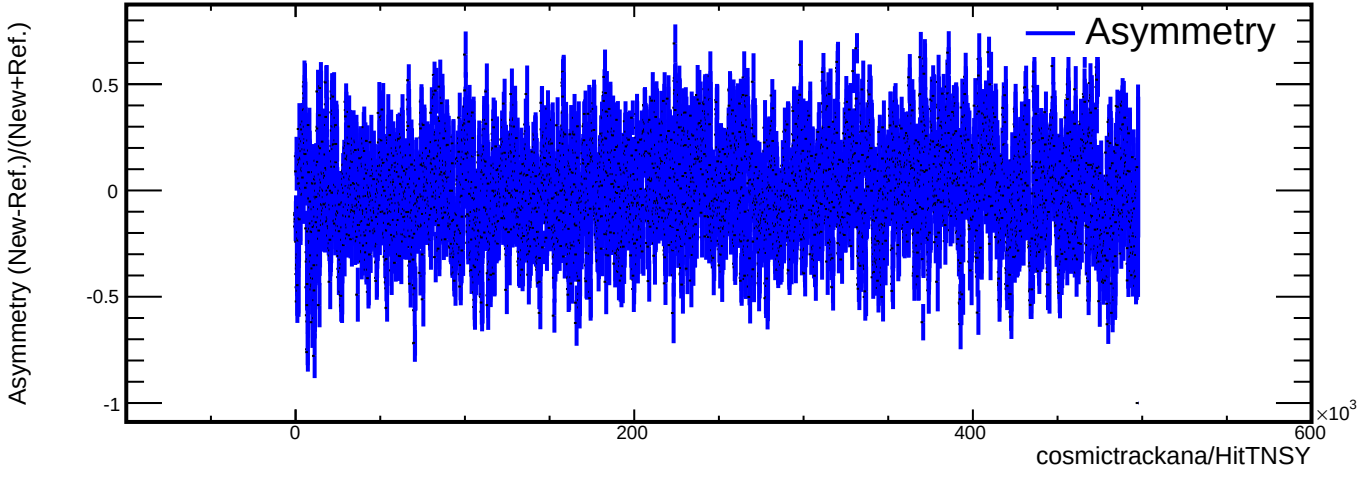

KS 2.27278e-20, chi2 0
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX
2012-07-07
2012-07-08


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


KS 0.000545833, chi2 3.92349e-16
2012-07-07
2012-07-08
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


KS 1.07065e-31, chi2 0
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY
2012-07-07
2012-07-08


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