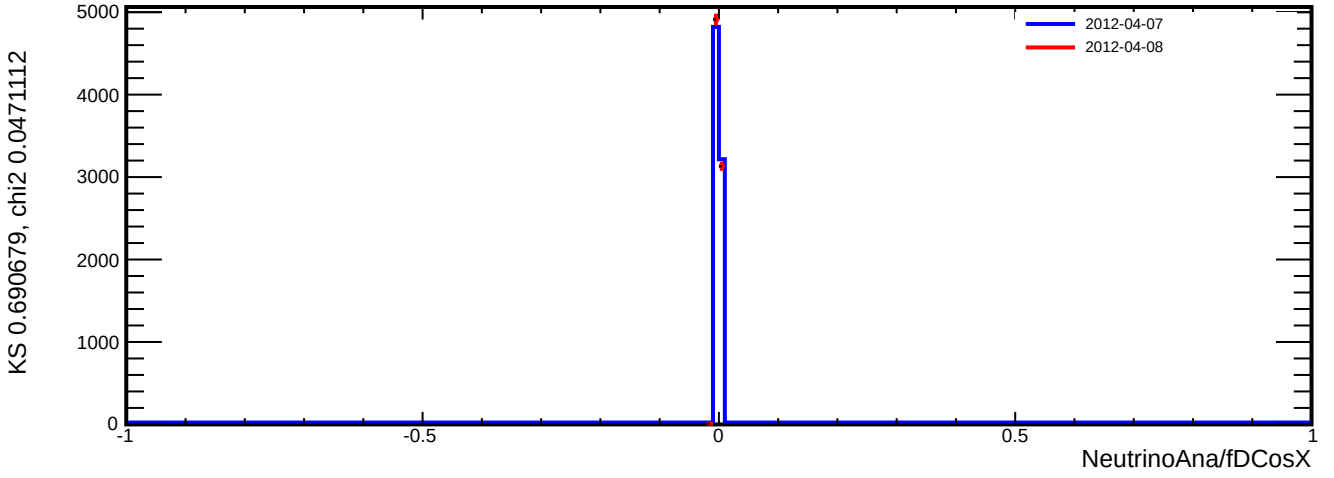
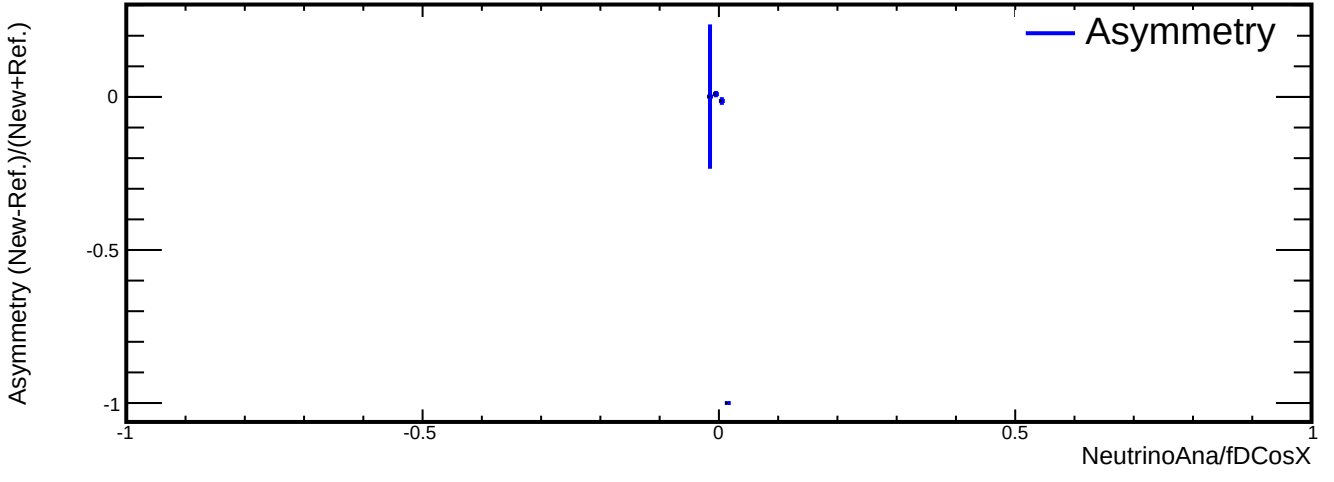
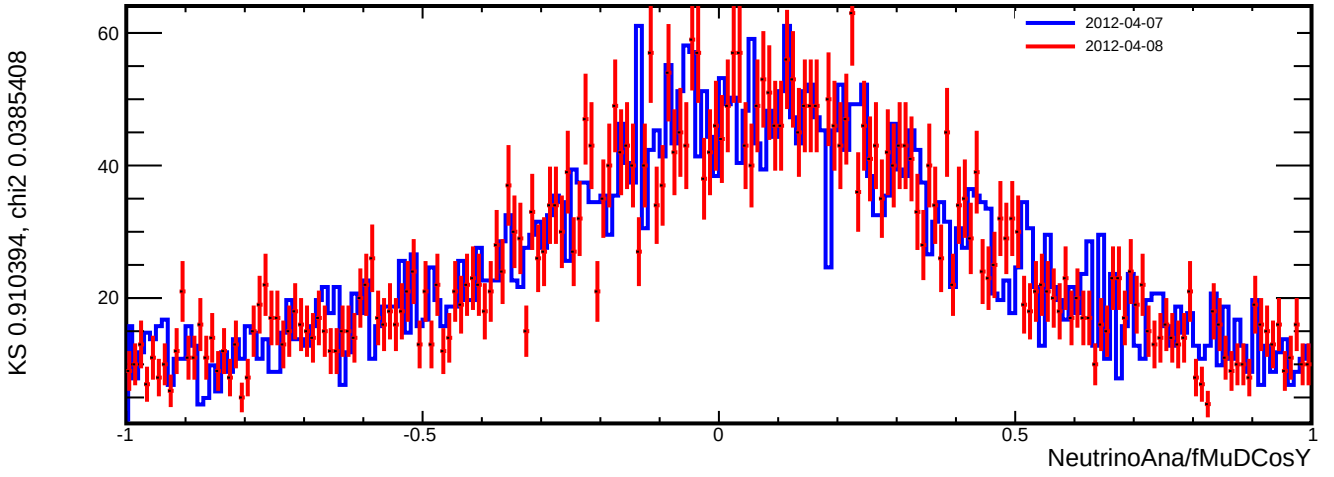
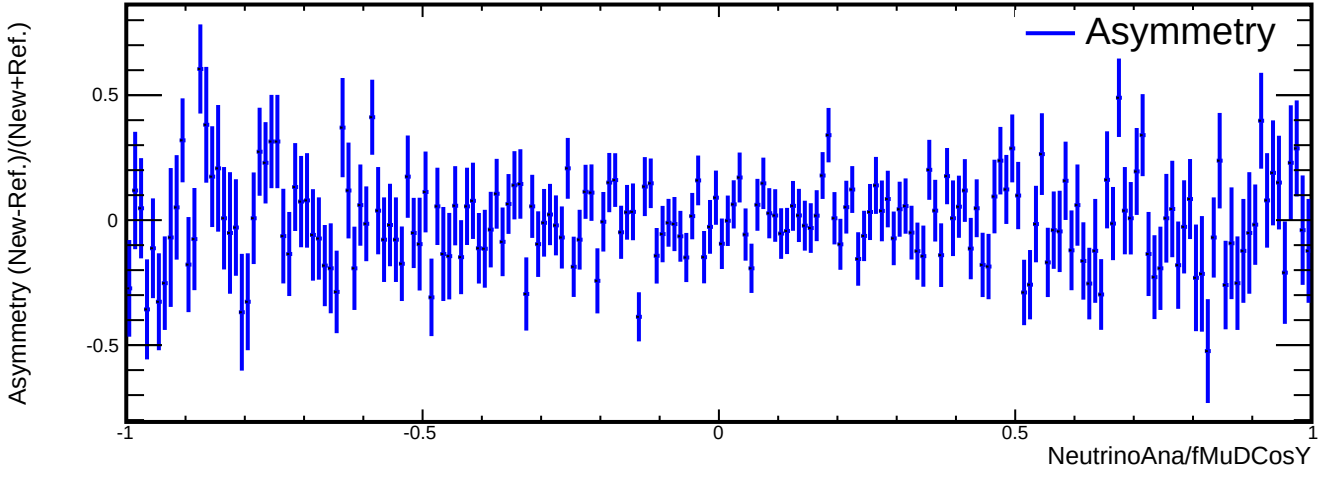
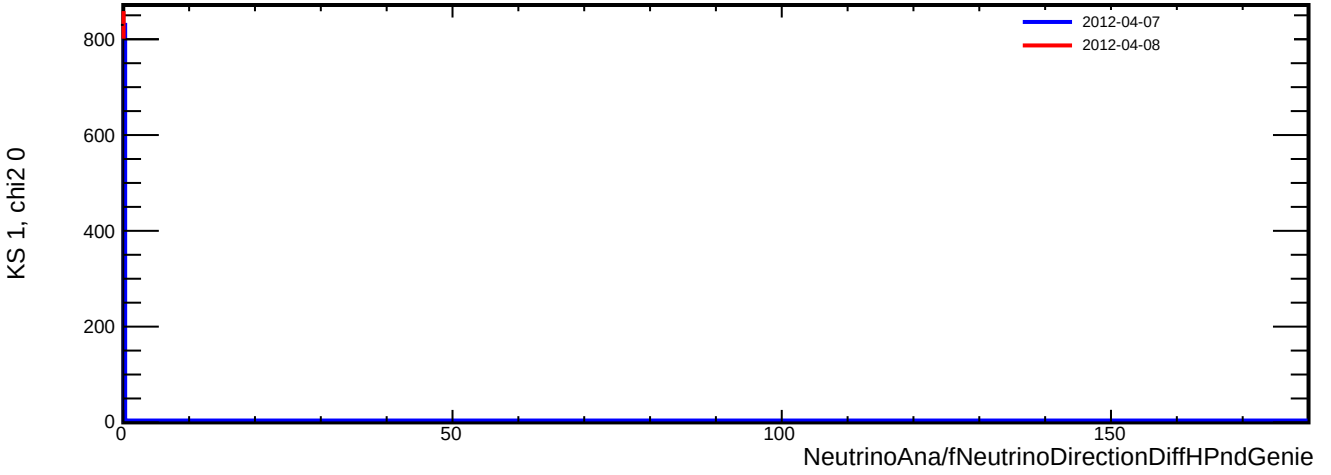
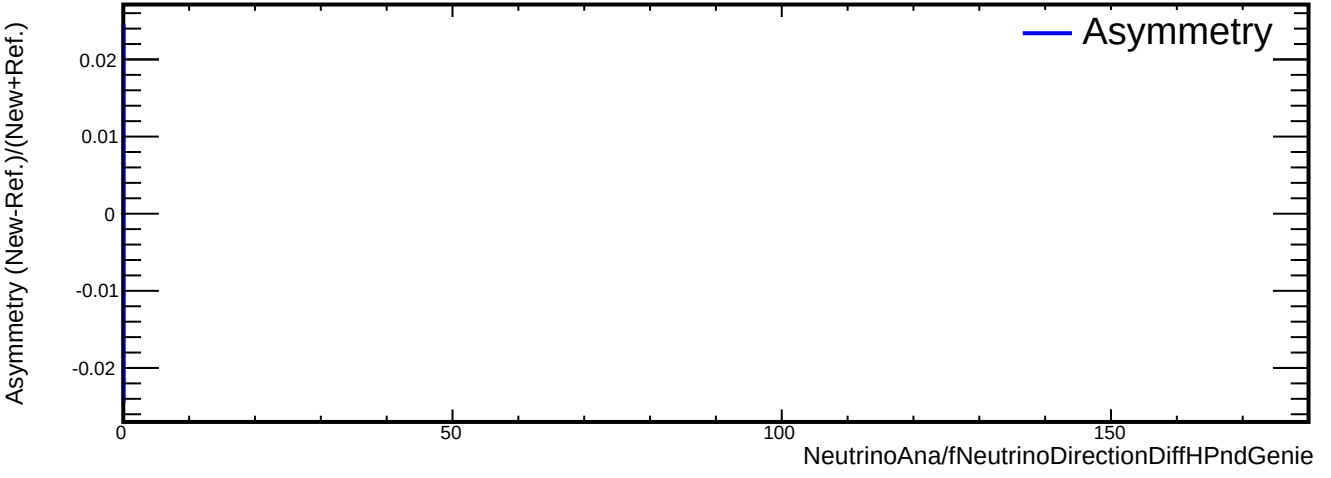

KS 0.690679, chi2 0.0471112
5000
4000
3000
2000
1000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosX
2012-04-07
2012-04-08

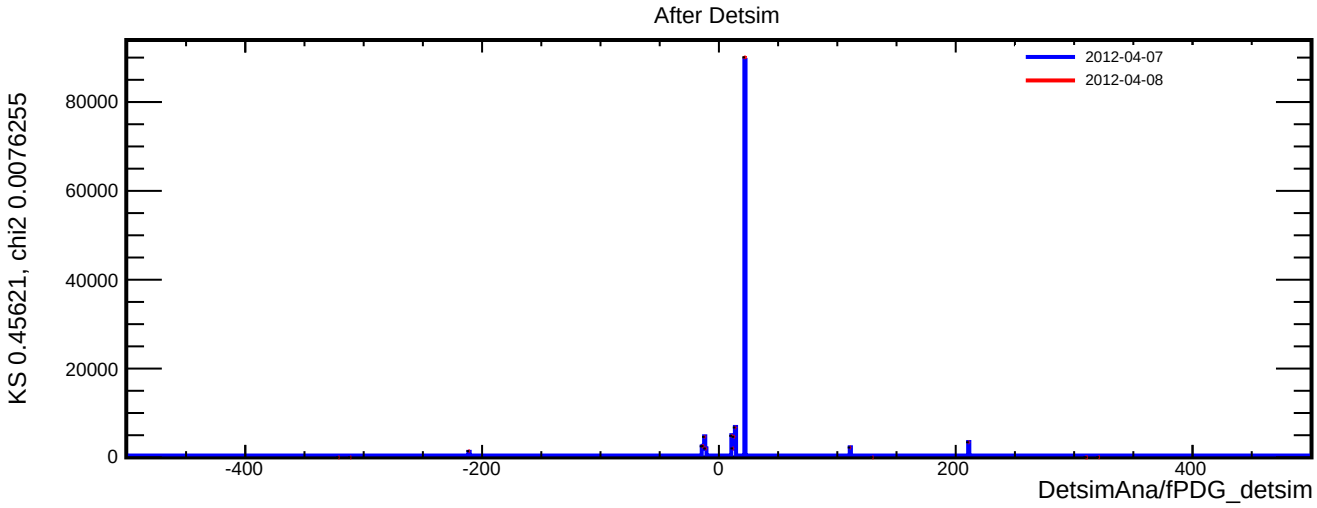

Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosX
Asymmetry

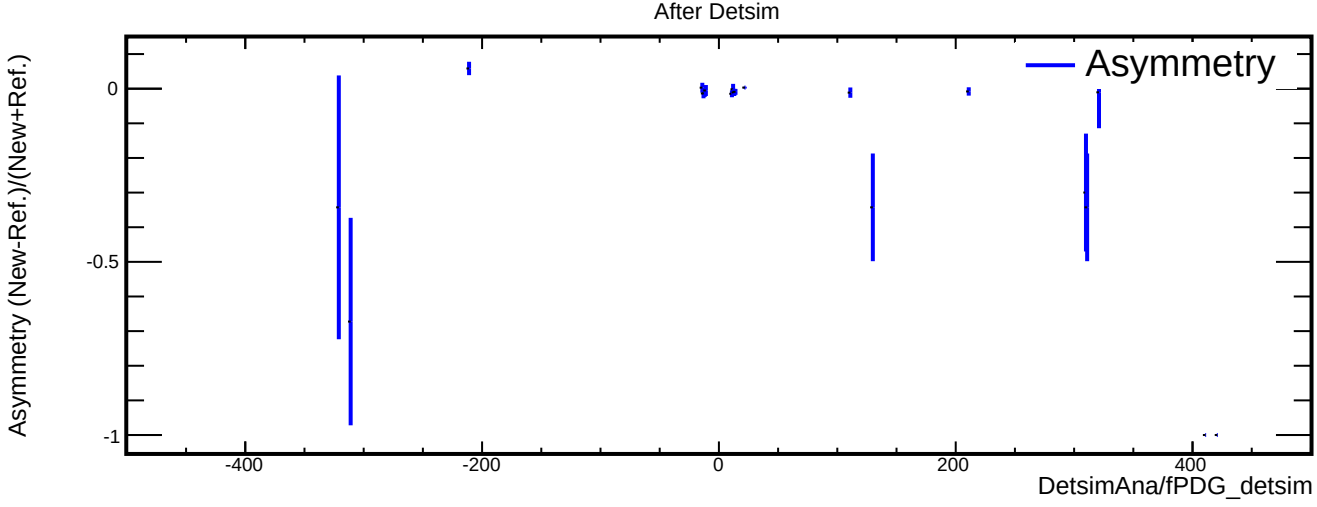

KS 0.910394, chi2 0.0385408
2012-04-07
2012-04-08
60
40
20
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosY

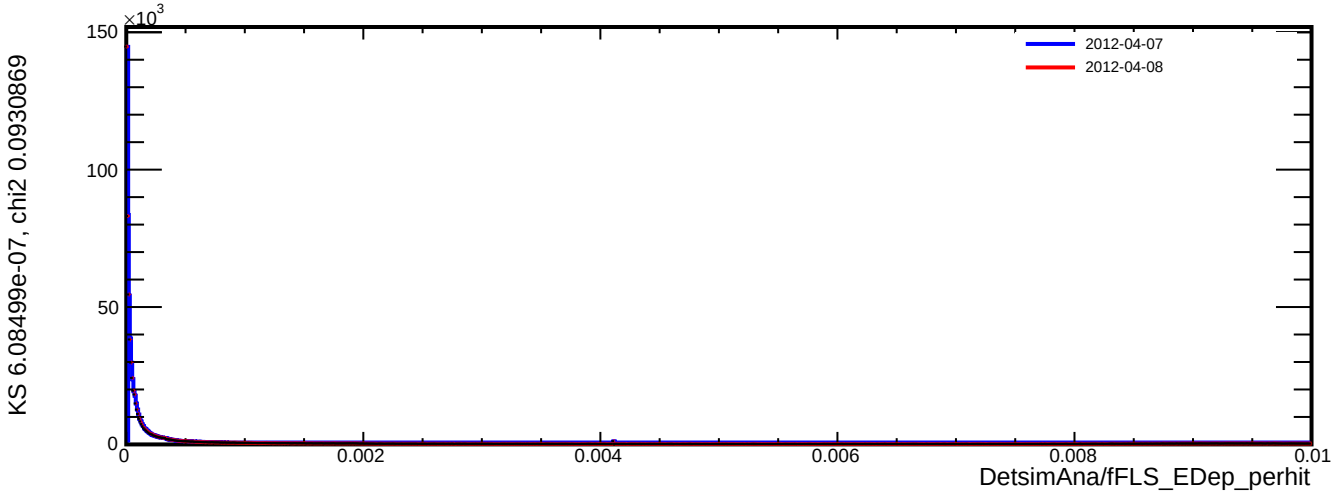

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosY

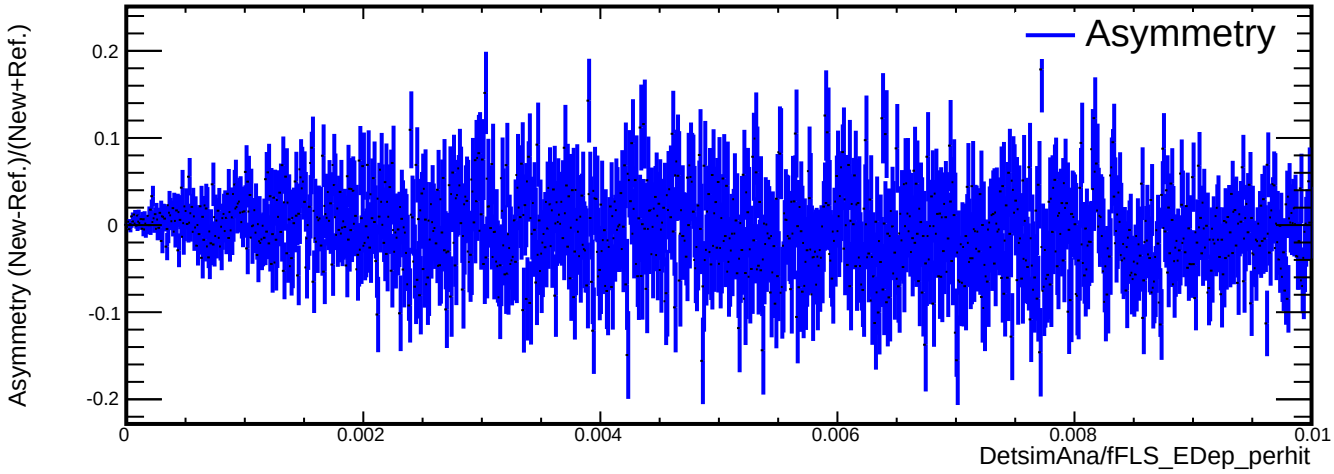

2012-04-07
2012-04-08
KS 1, chi2 0
800
600
400
200
0
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

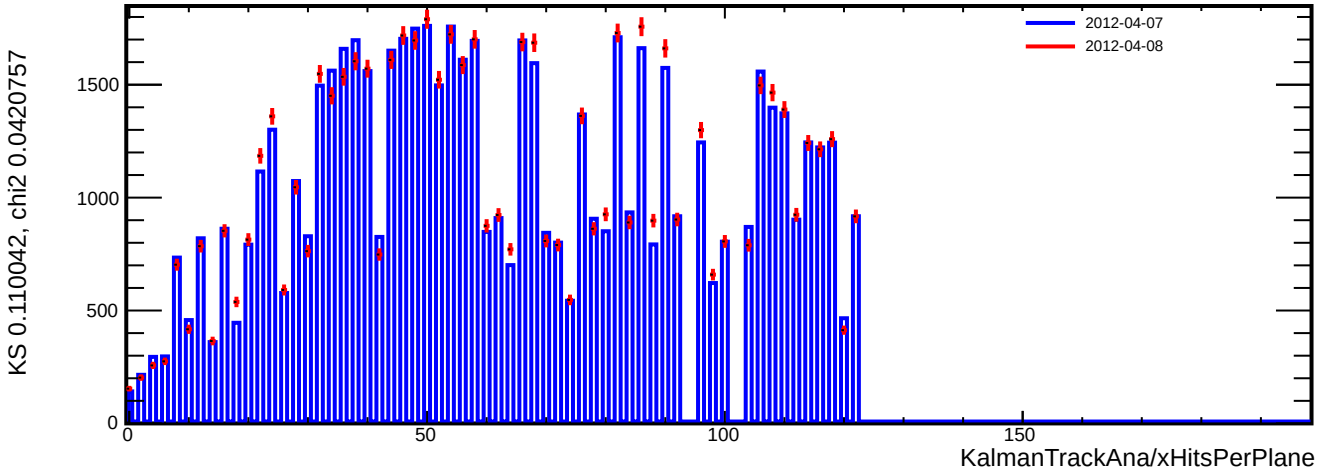

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0.01
0
-0.01
-0.02
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

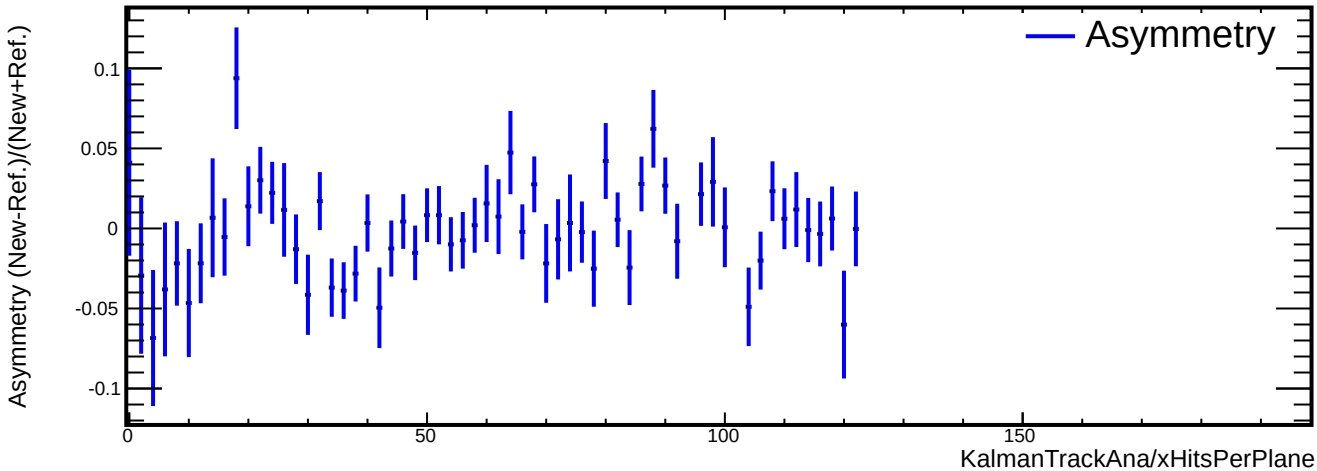

After Detsim
2012-04-07
2012-04-08
KS 0.45621, chi2 0.0076255
80000
60000
40000
20000
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim

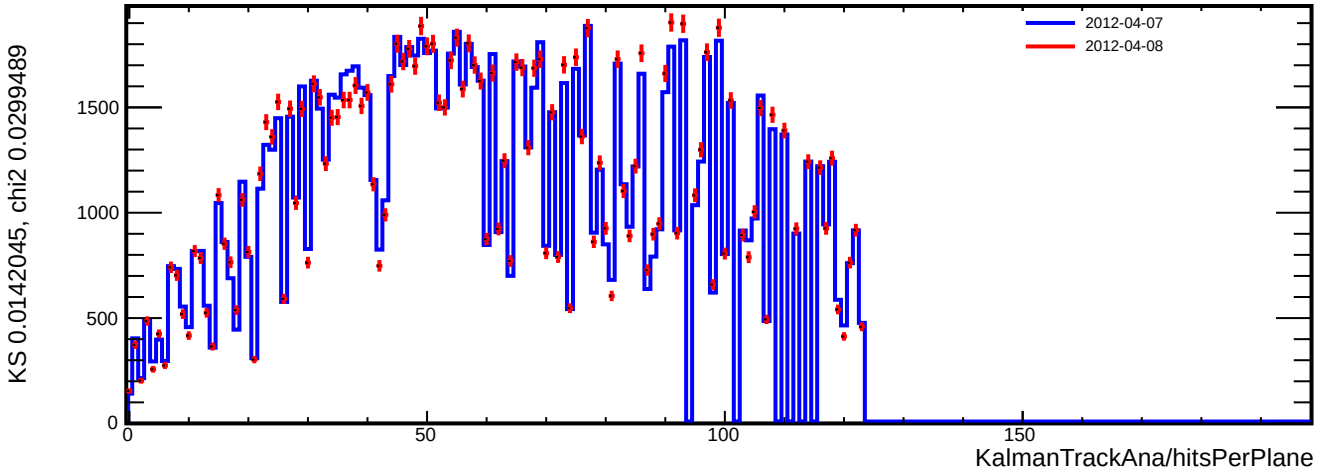

After Detsim
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
-400
-200
0
200
400
DetsimAna/fPDG_detsim

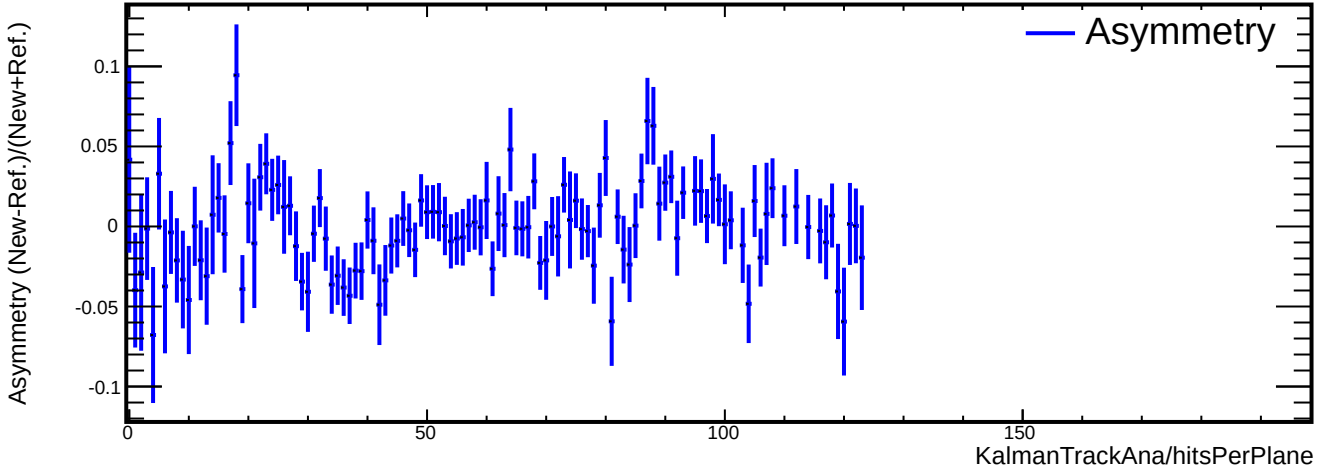

KS 6.08499e-07, chi2 0.0930869
×10^3
150
100
50
0
0
0.002
0.004
0.006
0.008
0.01
DetsimAna/fFLS_EDep_perhit
2012-04-07
2012-04-08

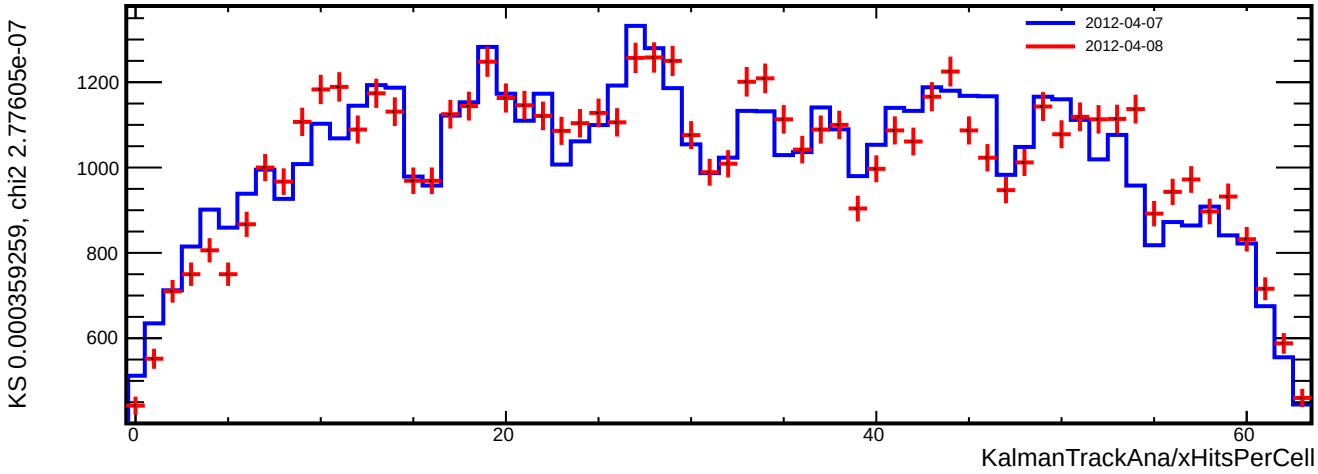

Asymmetry (New-Ref.)/(New+Ref.)
0.2
0.1
0
-0.1
-0.2
0
0.002
0.004
0.006
0.008
0.01
DetsimAna/fFLS_EDep_perhit
Asymmetry

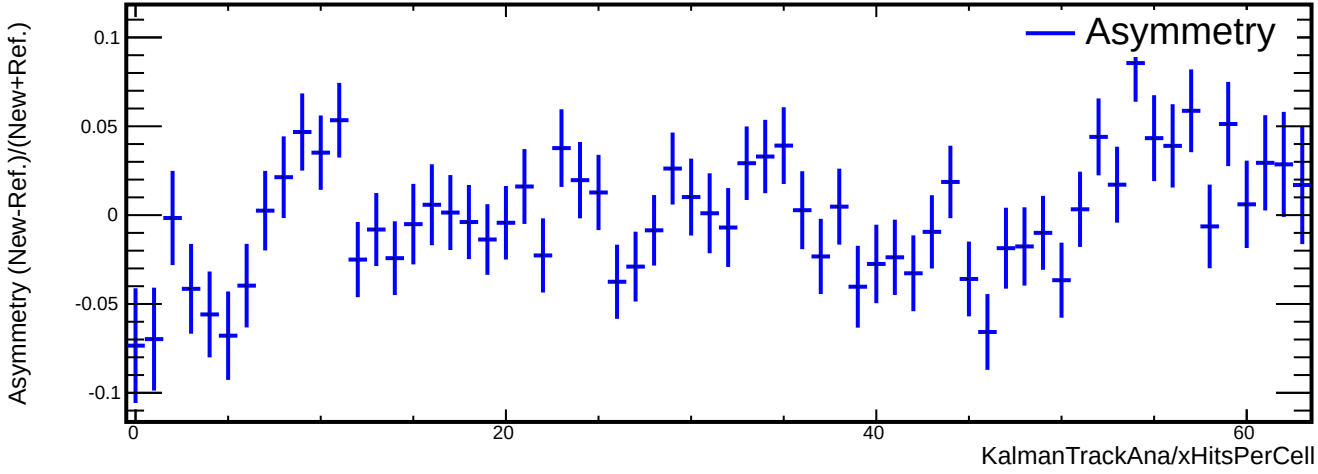

KS 0.110042, chi2 0.0420757
2012-04-07
2012-04-08
0
500
1000
1500
0
50
100
150
KalmanTrackAna/xHitsPerPlane

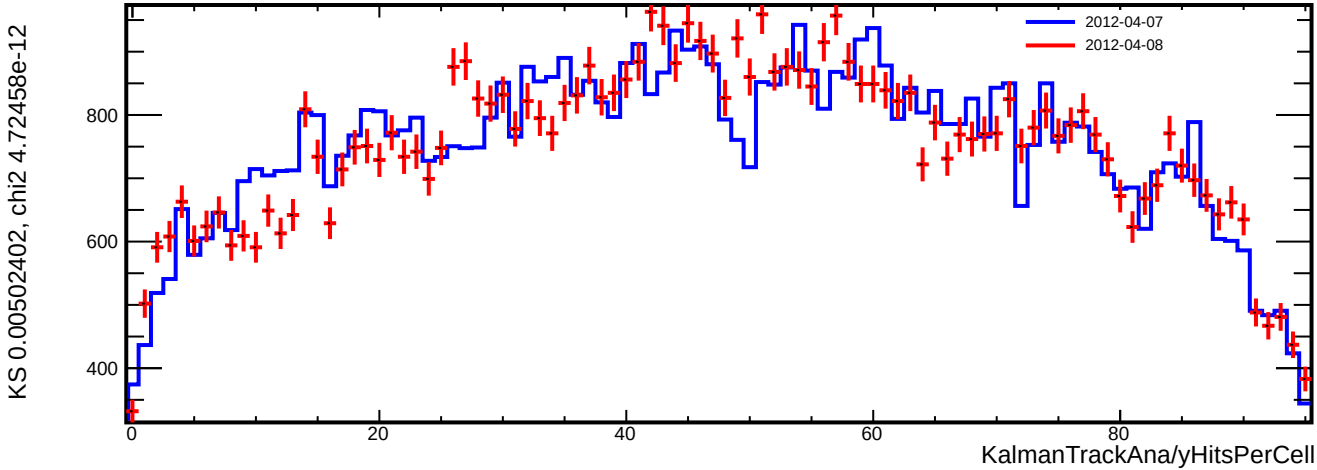

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
50
100
150
KalmanTrackAna/xHitsPerPlane

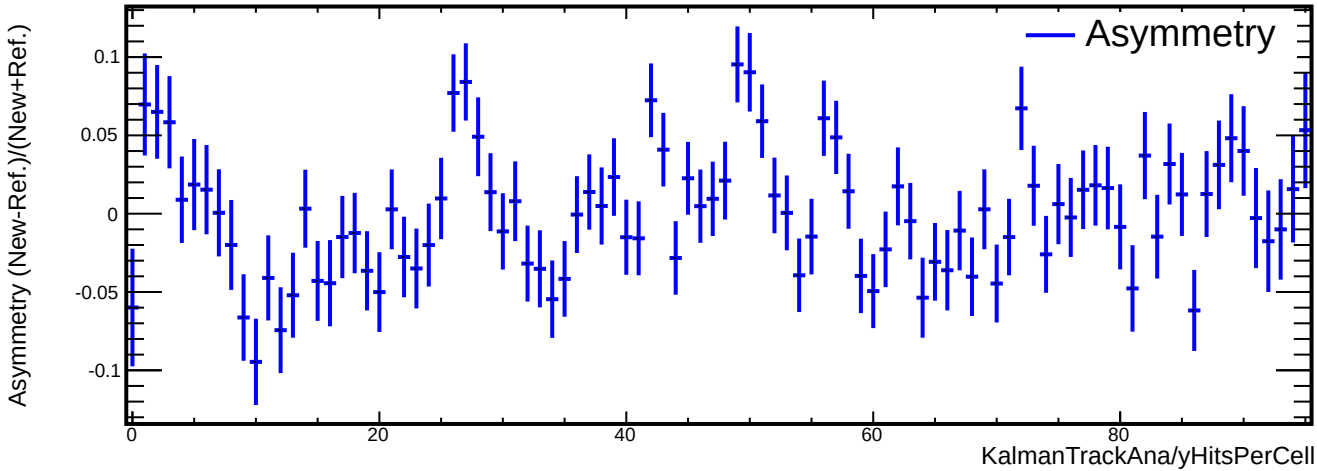

KS 0.0142045, chi2 0.0299489
2012-04-07
2012-04-08
0
500
1000
1500
0
50
100
150
KalmanTrackAna/hitsPerPlane

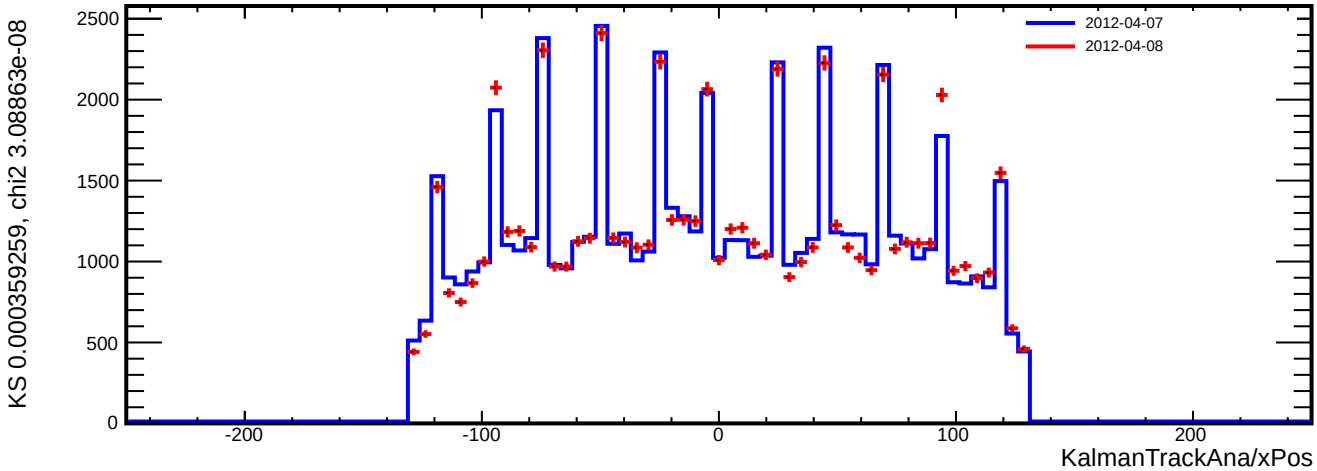

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
50
100
150
KalmanTrackAna/hitsPerPlane

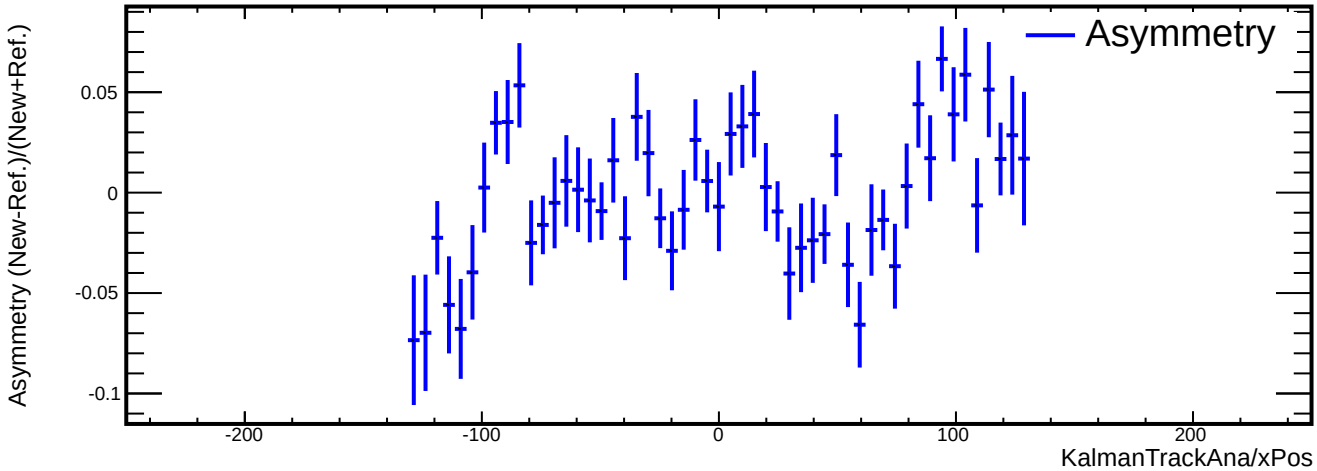

KS 0.000359259, chi2 2.77605e-07
2012-04-07
2012-04-08
1200
1000
800
600
0
20
40
60
KalmanTrackAna/xHitsPerCell

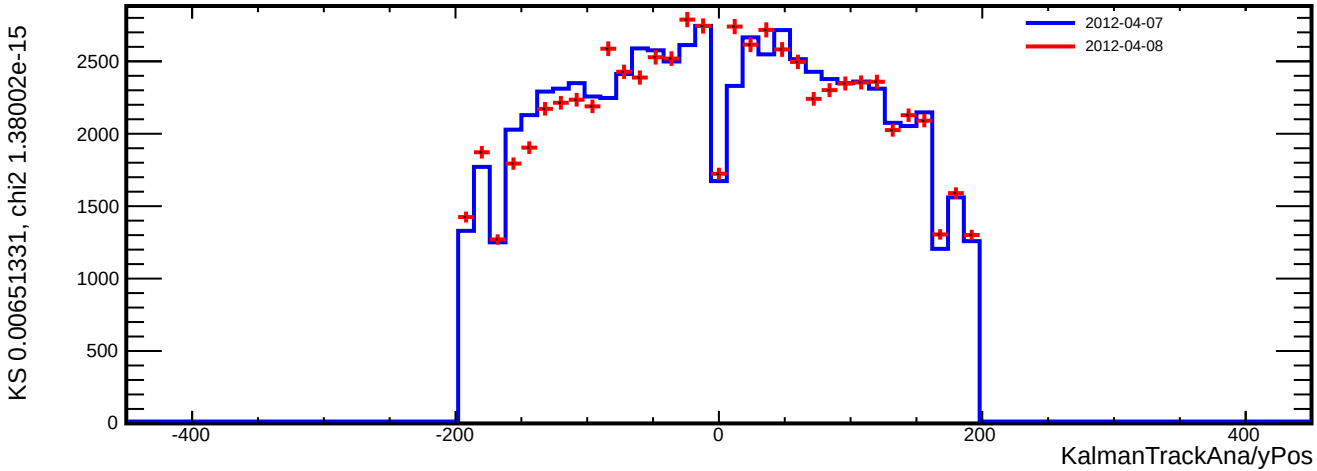

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
20
40
60
KalmanTrackAna/xHitsPerCell

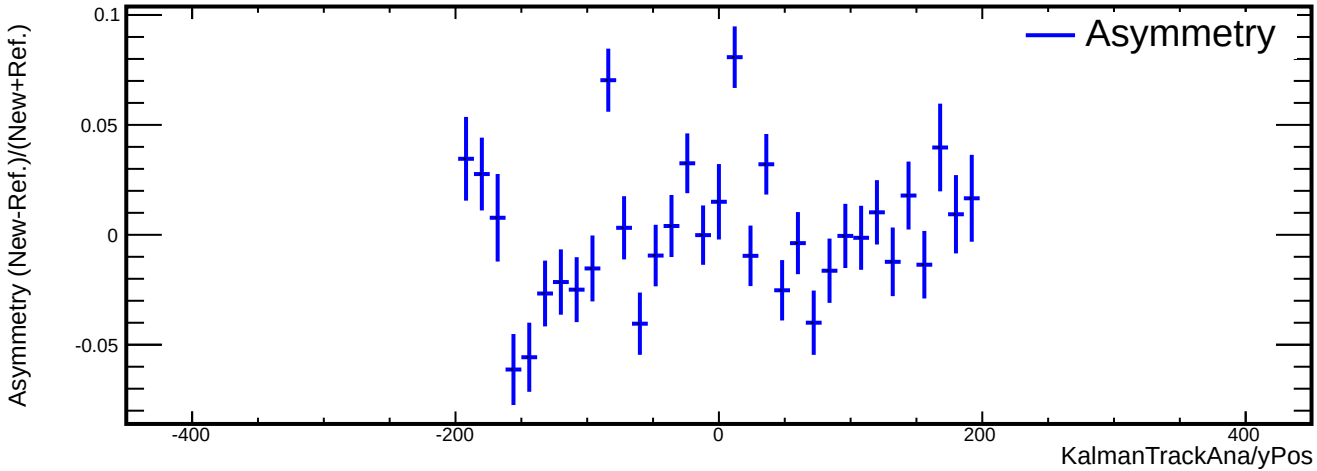

KS 0.00502402, chi2 4.72458e-12
2012-04-07
2012-04-08
800
600
400
0
20
40
60
80
KalmanTrackAna/yHitsPerCell

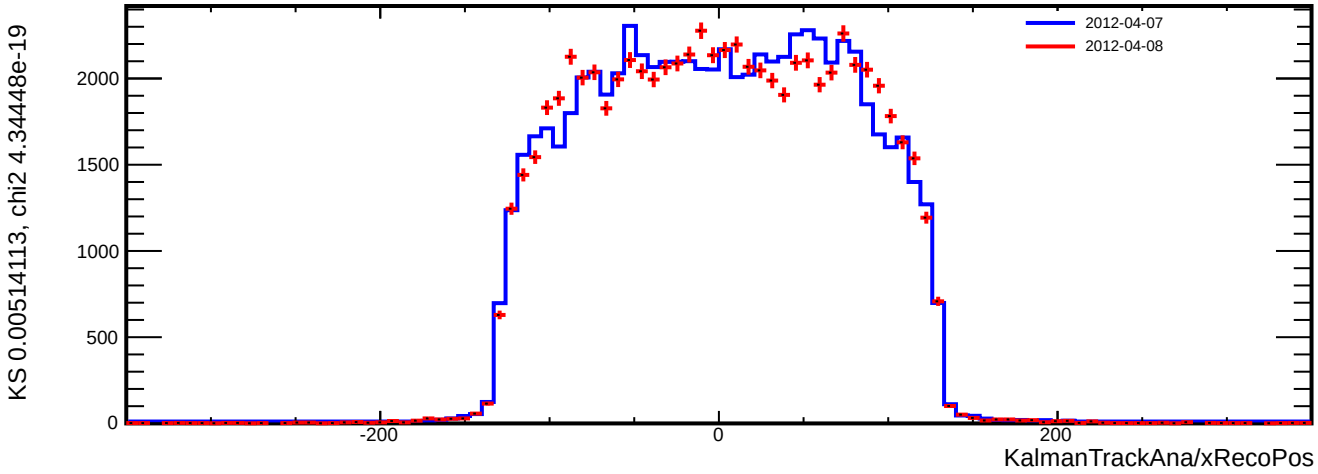

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
20
40
60
80
KalmanTrackAna/yHitsPerCell

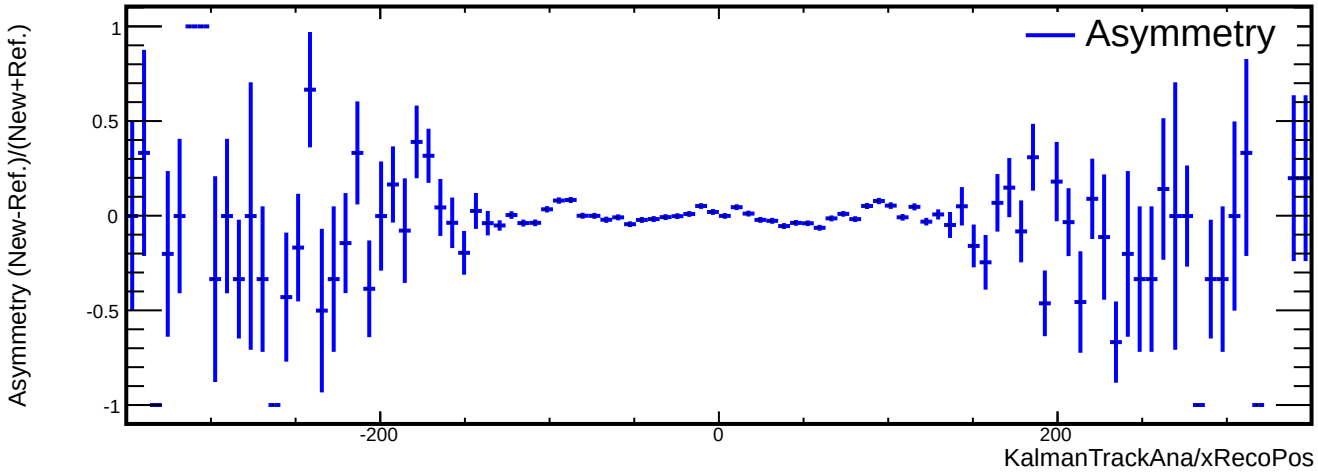

KS 0.000359259, chi2 3.08863e-08
2012-04-07
2012-04-08
2500
2000
1500
1000
500
0
-200
-100
0
100
200
KalmanTrackAna/xPos

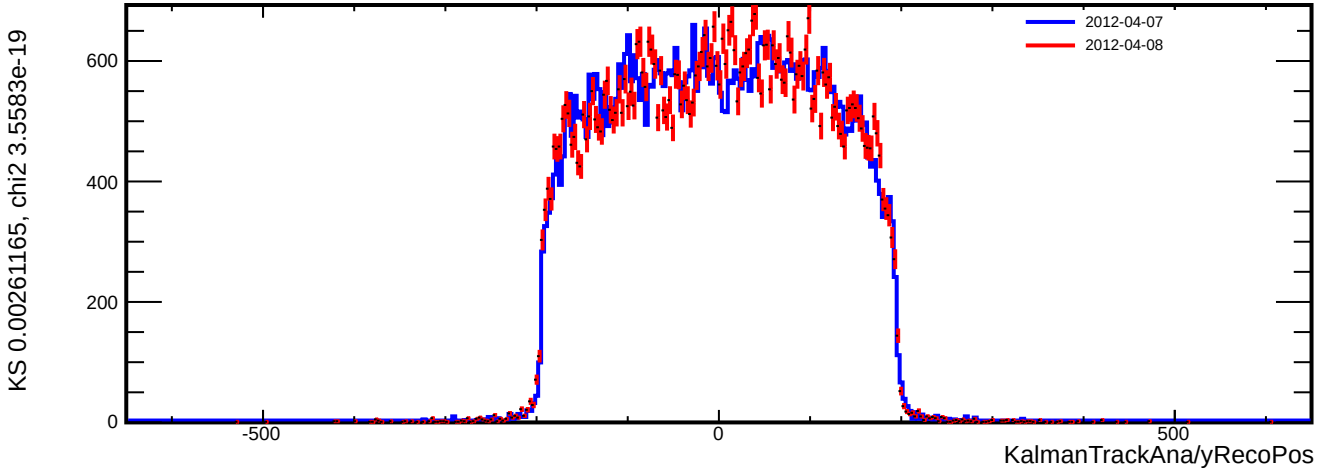

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
-200
-100
0
100
200
KalmanTrackAna/xPos

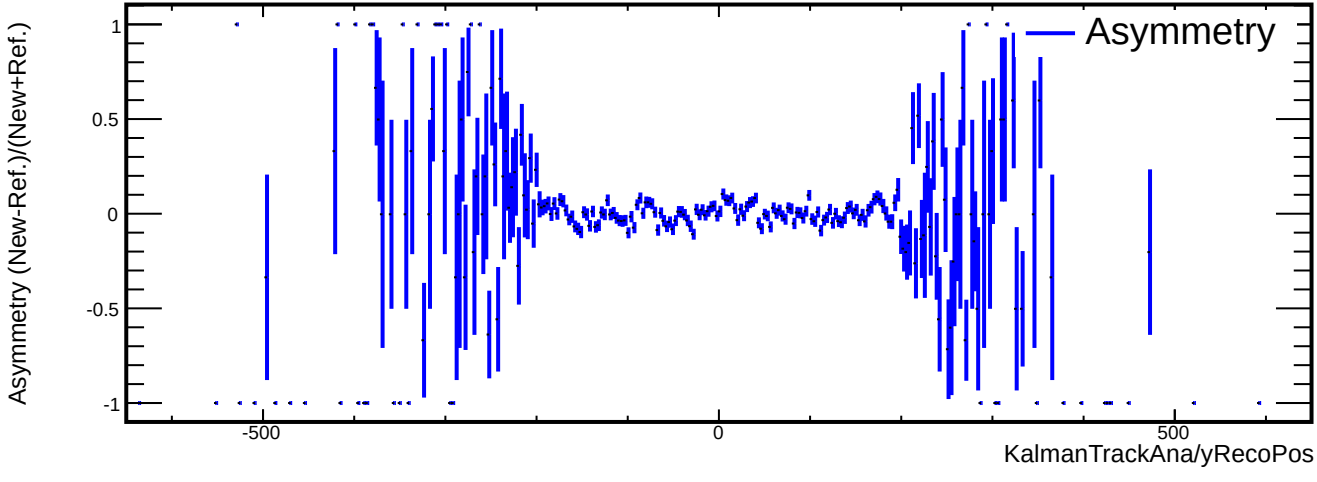

KS 0.00651331, chi2 1.38002e-15
2012-04-07
2012-04-08
2500
2000
1500
1000
500
0
-400
-200
0
200
400
KalmanTrackAna/yPos

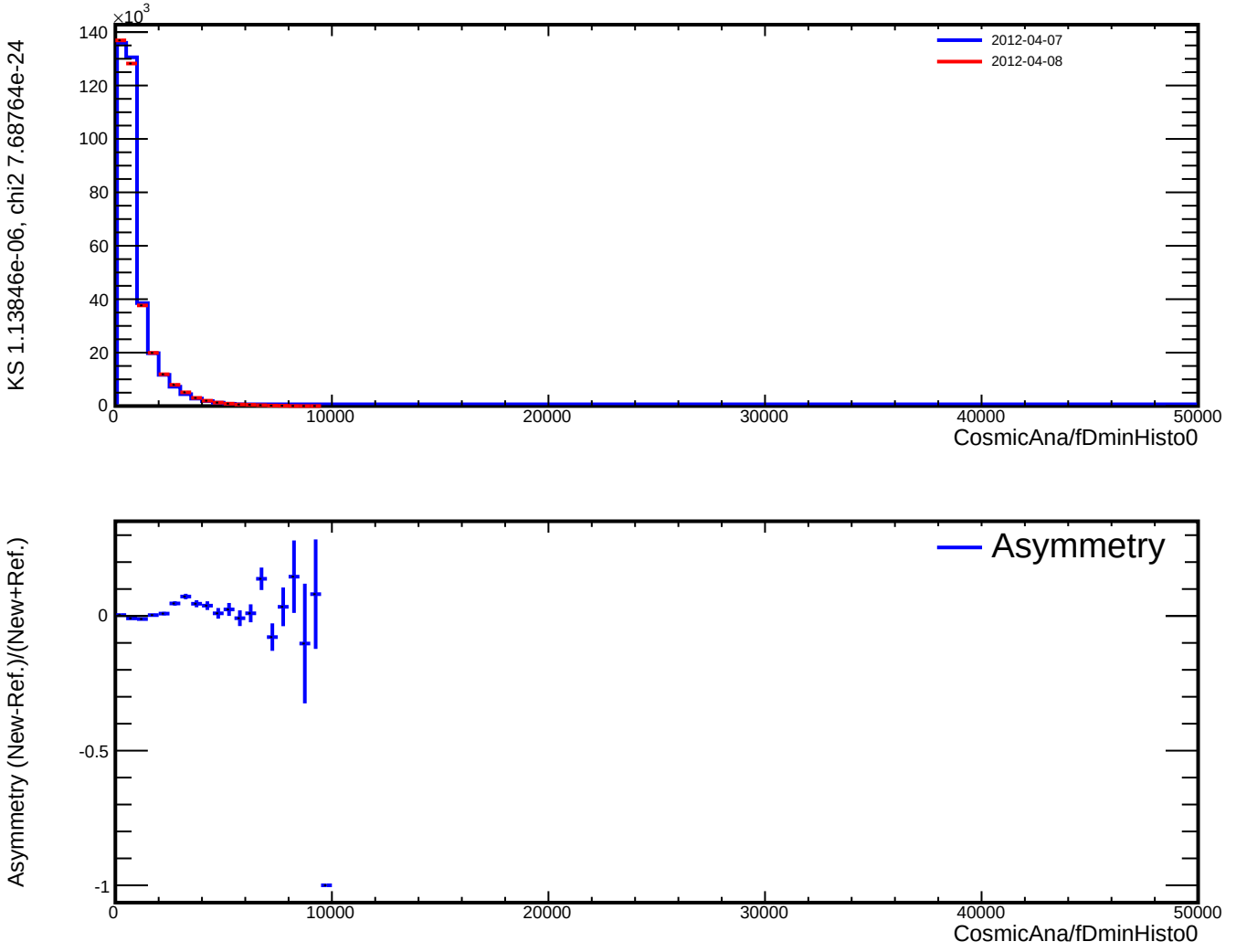

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-400
-200
0
200
400
KalmanTrackAna/yPos

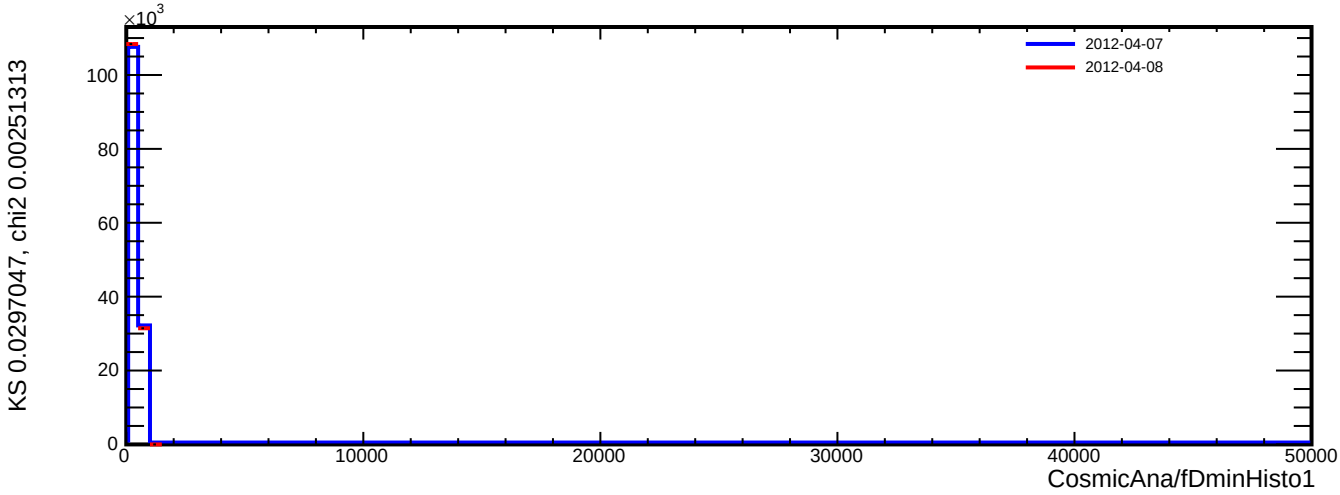

KS 0.00514113, chi2 4.34448e-19
2012-04-07
2012-04-08
2000
1500
1000
500
0
-200
0
200
KalmanTrackAna/xRecoPos

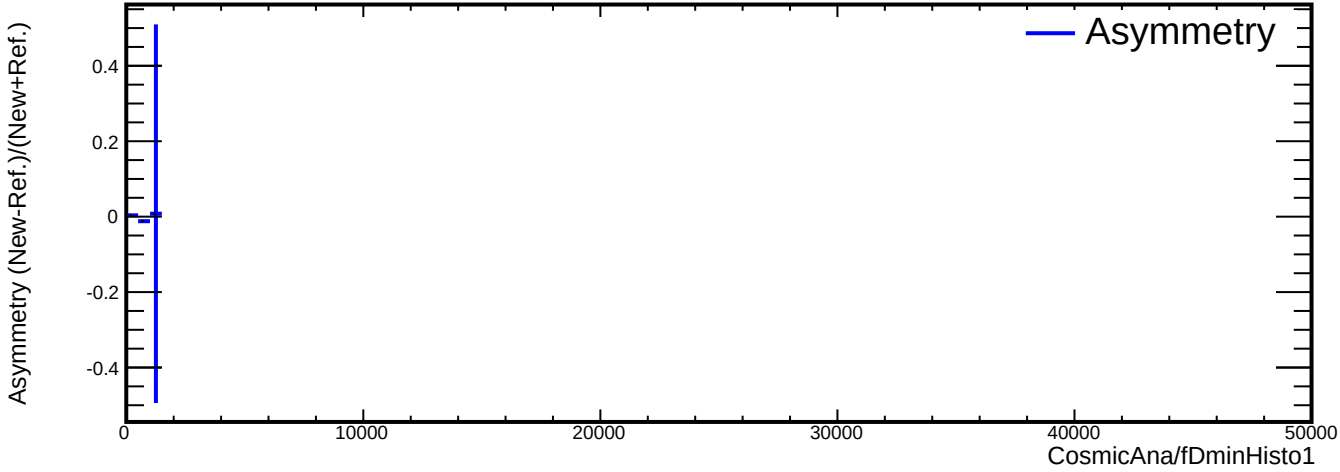

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
0
200
KalmanTrackAna/xRecoPos

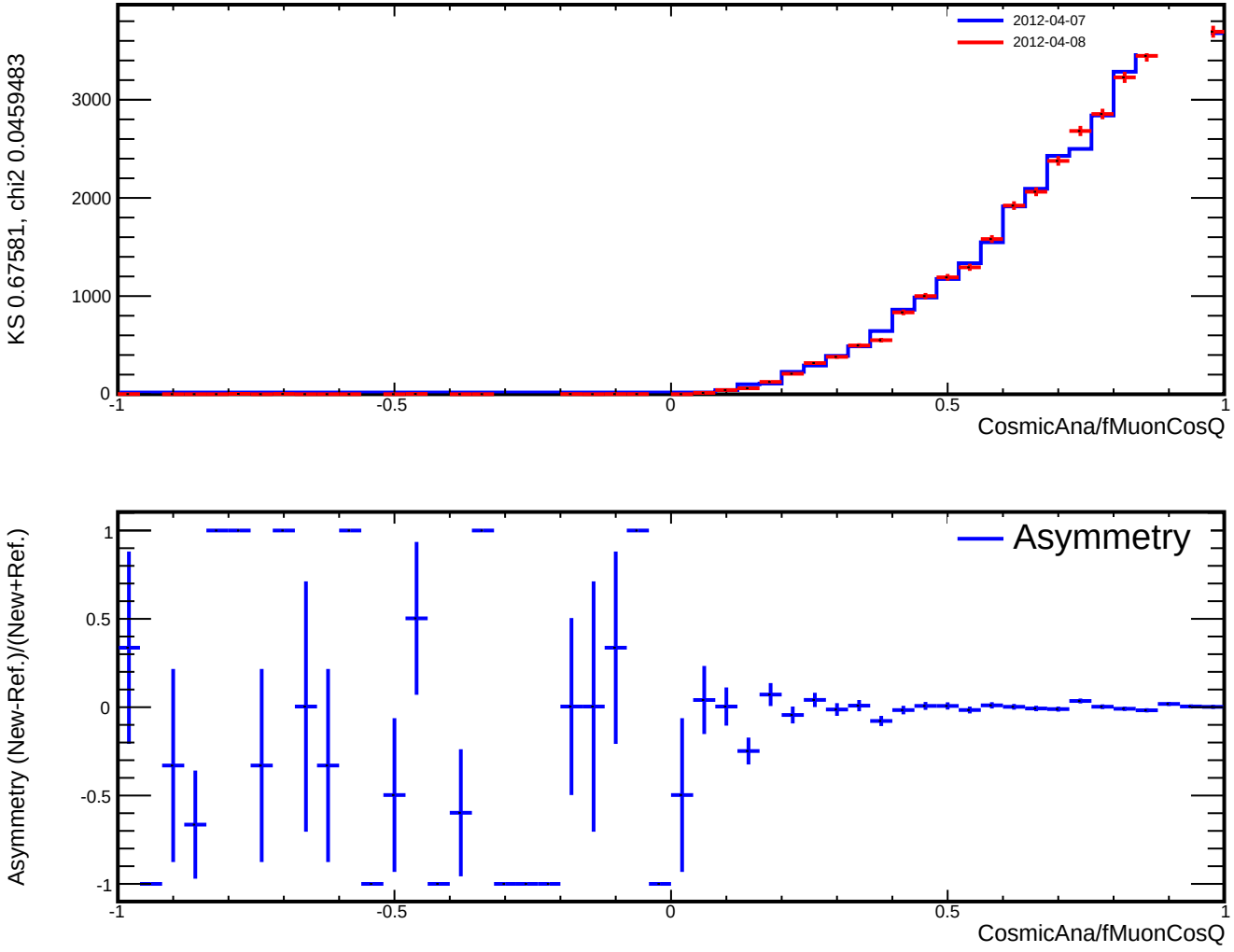

KS 0.00261165, chi2 3.5583e-19
2012-04-07
2012-04-08
600
400
200
0
-500
0
500
KalmanTrackAna/yRecoPos

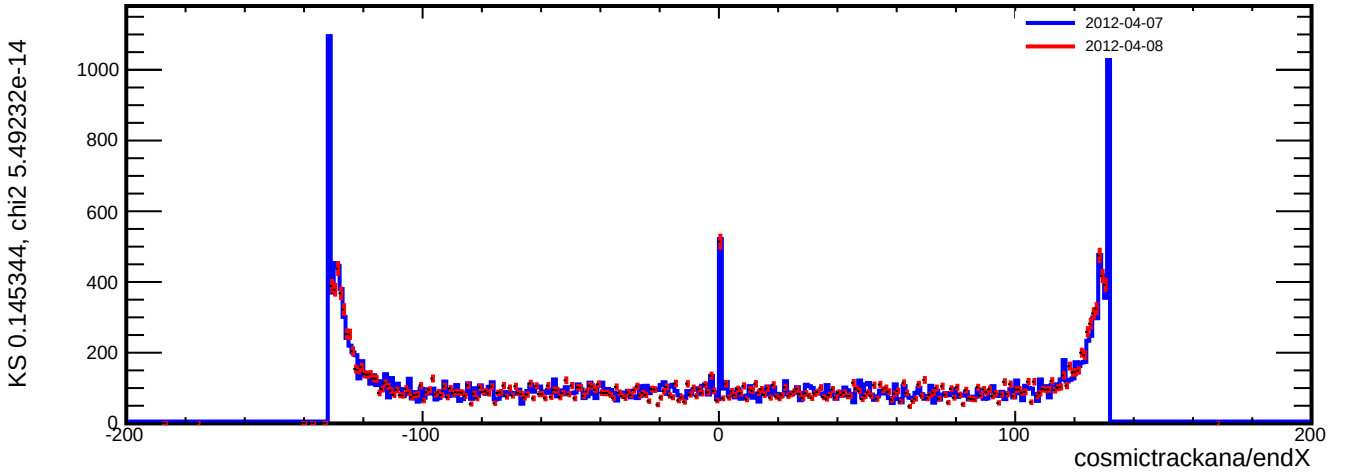

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-500
0
500
KalmanTrackAna/yRecoPos

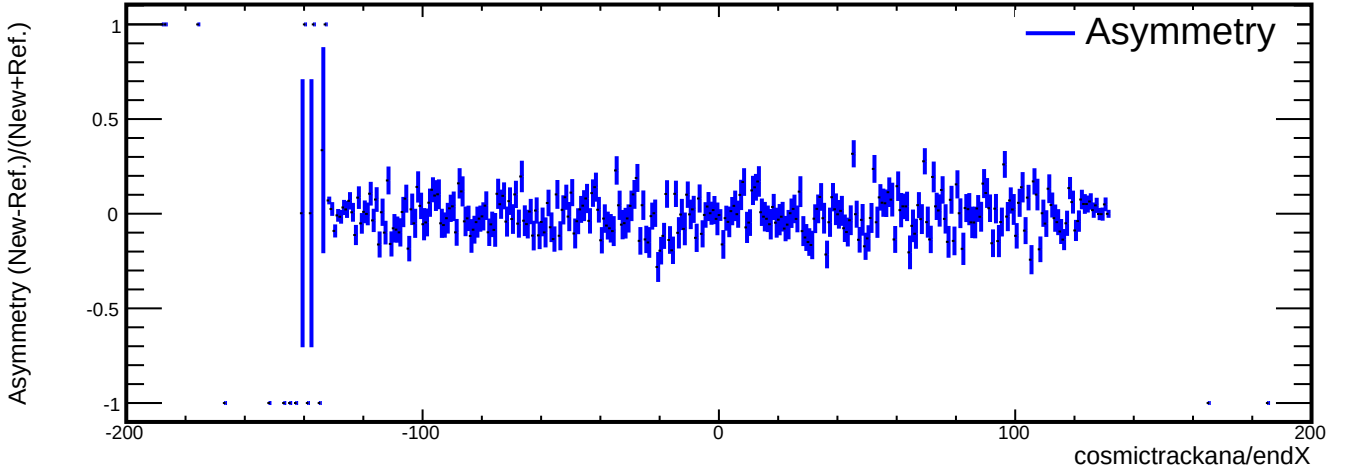

KS 1.13846e-06, chi2 7.68764e-24
×10^3
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
2012-04-07
2012-04-08
Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
Asymmetry

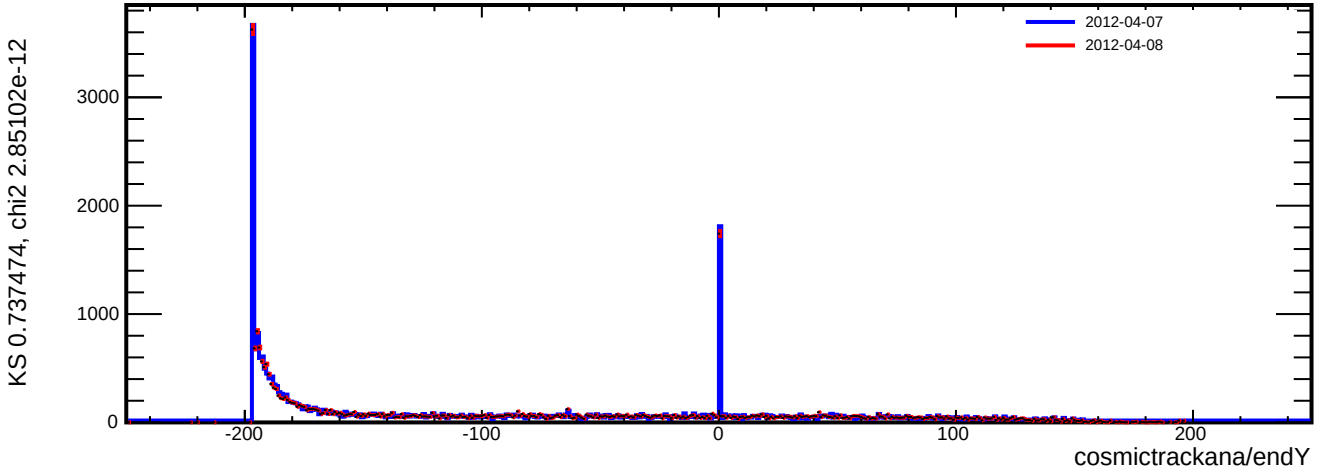

×10^3
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto1
KS 0.0297047, chi2 0.00251313
2012-04-07
2012-04-08

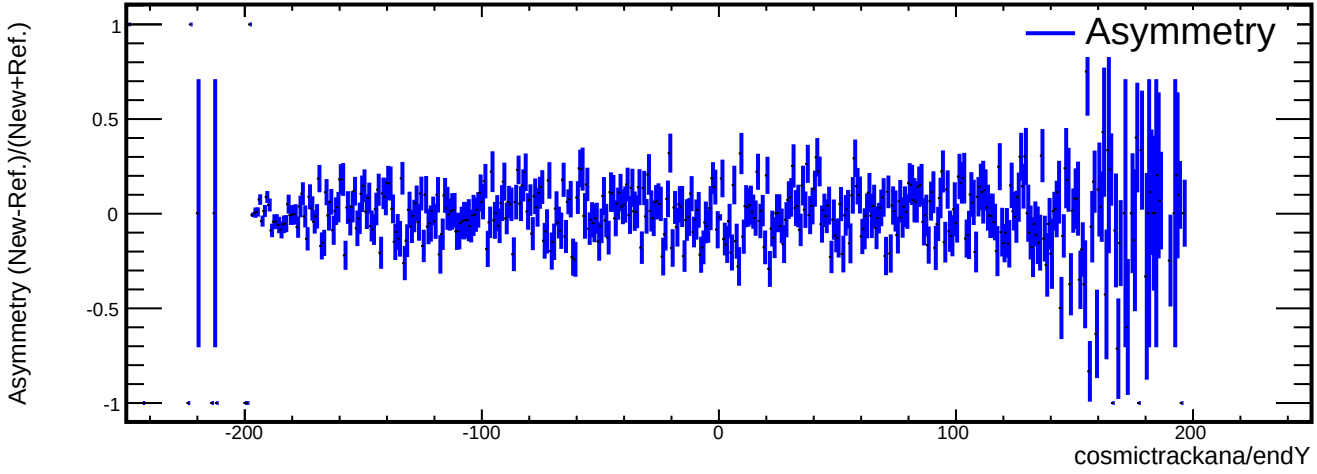

0.4
0.2
0
-0.2
-0.4
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto1
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry

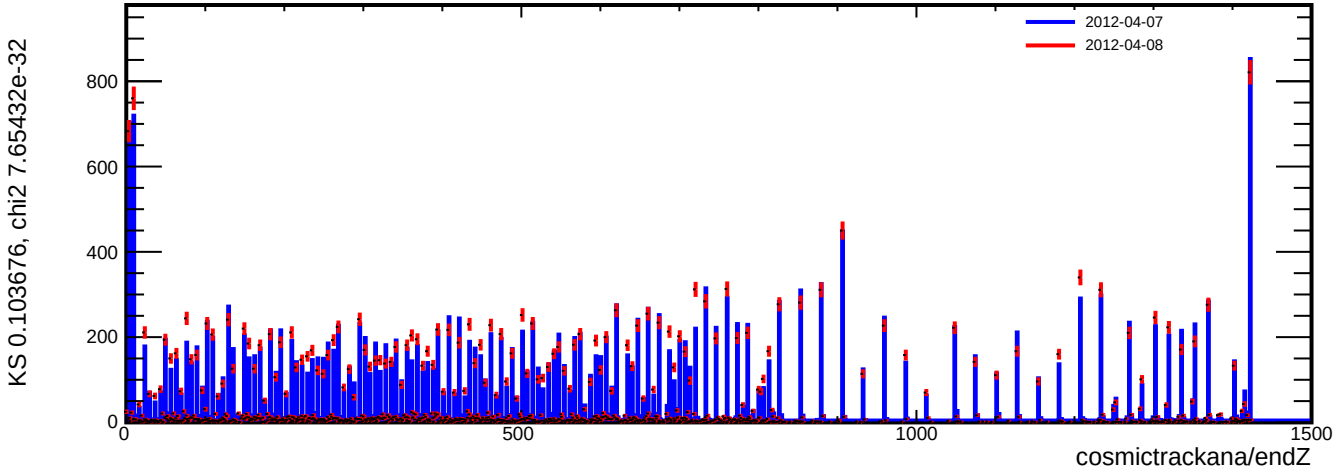

KS 0.67581, chi2 0.0459483
2012-04-07
2012-04-08
3000
2000
1000
0
-1
-0.5
0
0.5
1
CosmicAna/fMuonCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
CosmicAna/fMuonCosQ

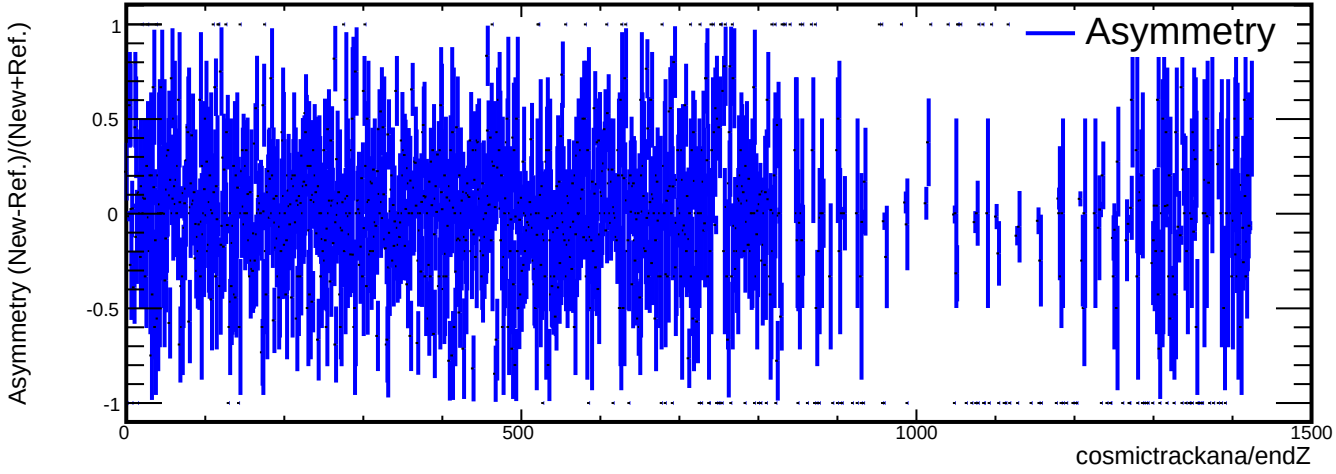

KS 0.145344, chi2 5.49232e-14
2012-04-07
2012-04-08
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

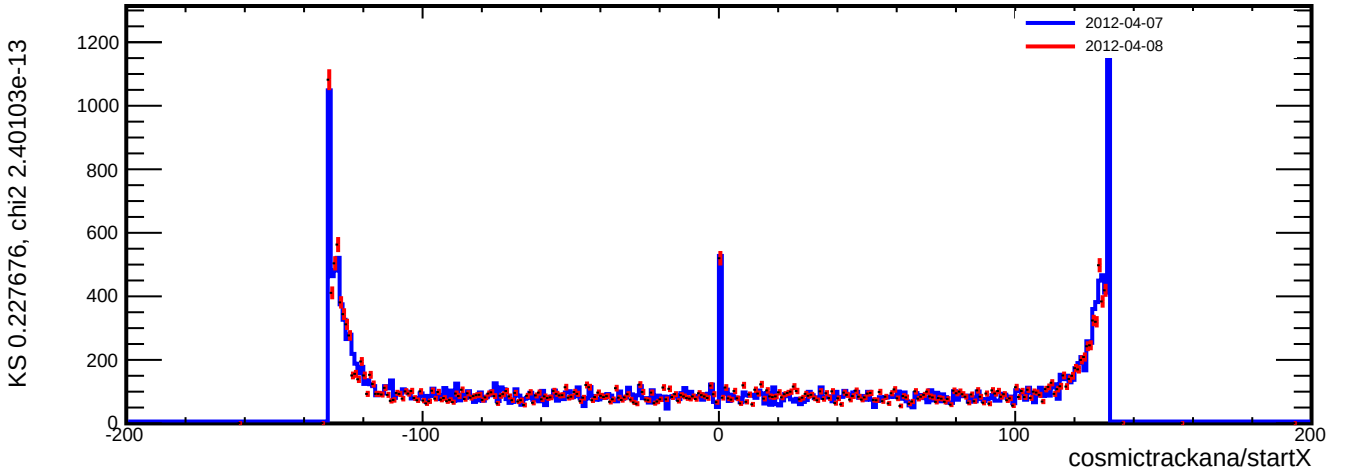

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endX

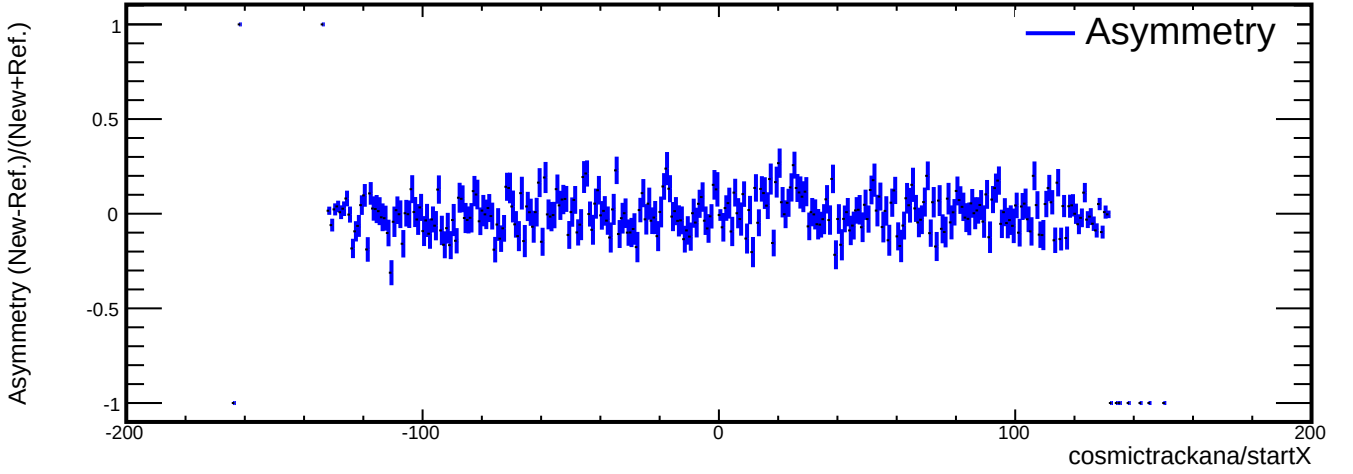

KS 0.737474, chi2 2.85102e-12
2012-04-07
2012-04-08
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/endY

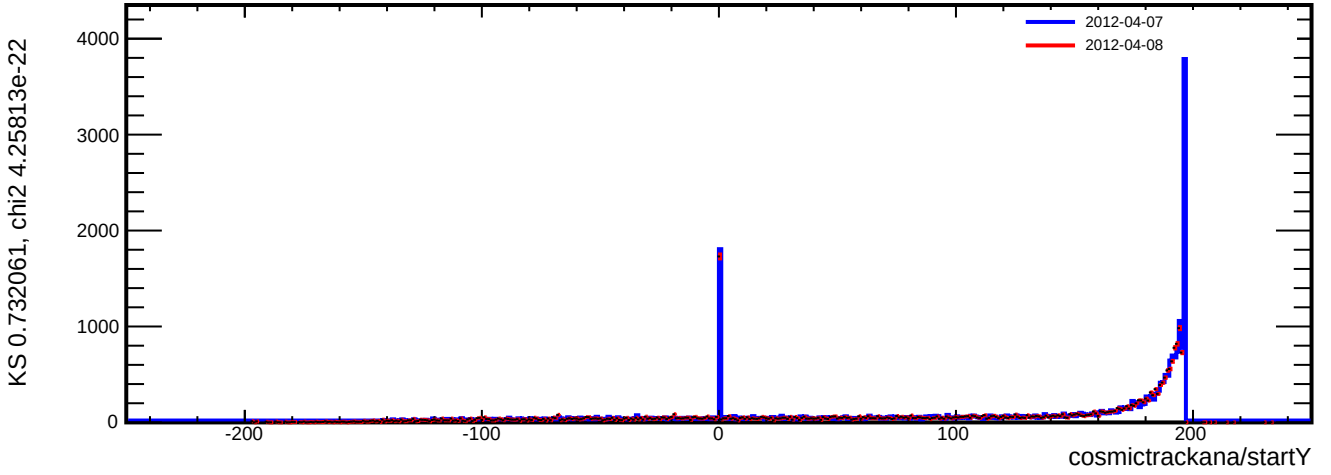

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

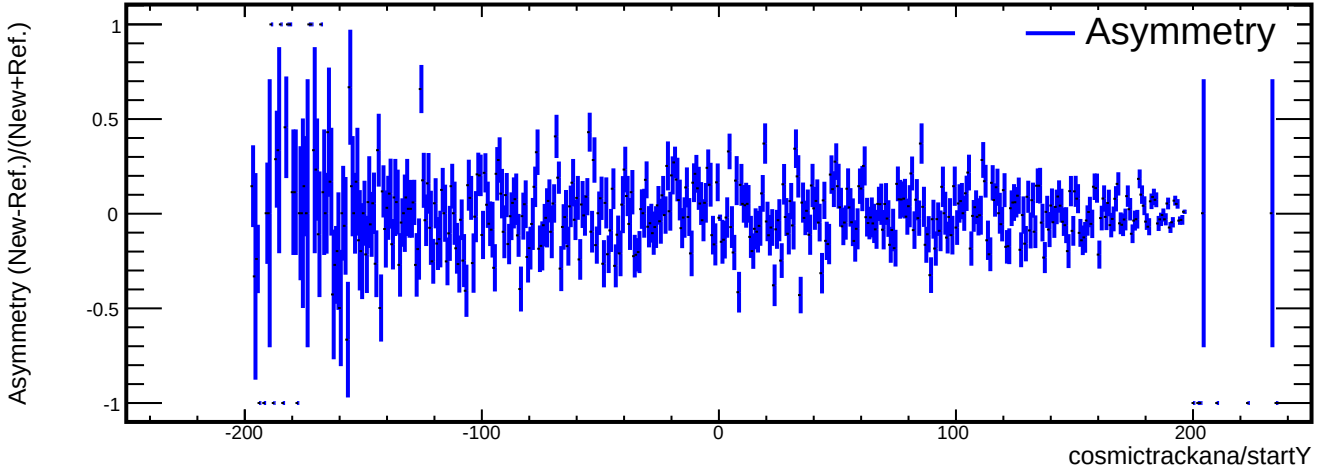

KS 0.103676, chi2 7.65432e-32
2012-04-07
2012-04-08
800
600
400
200
0
0
500
1000
1500
cosmictrackana/endZ

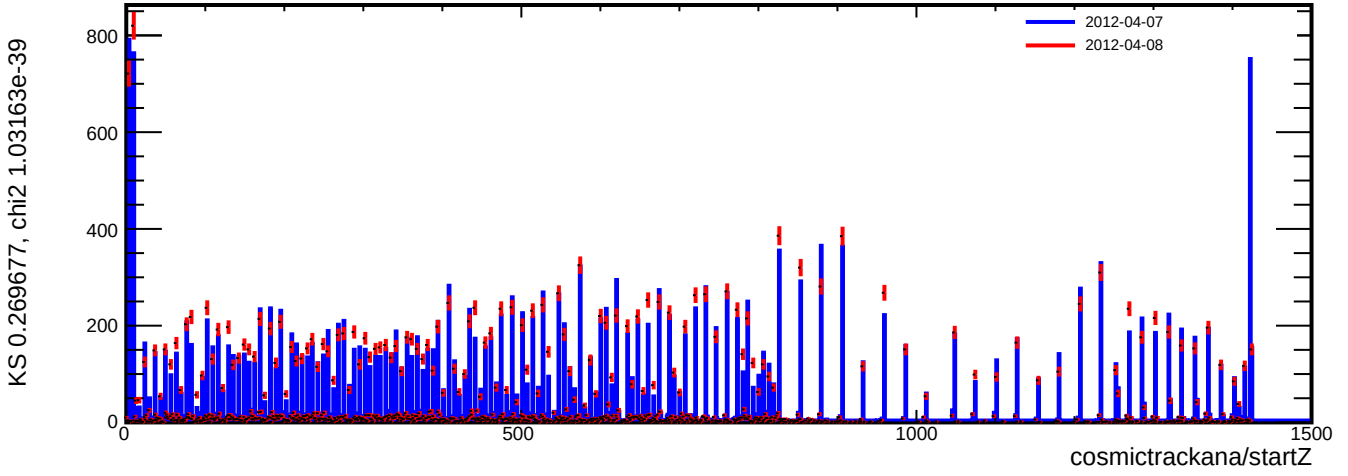

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

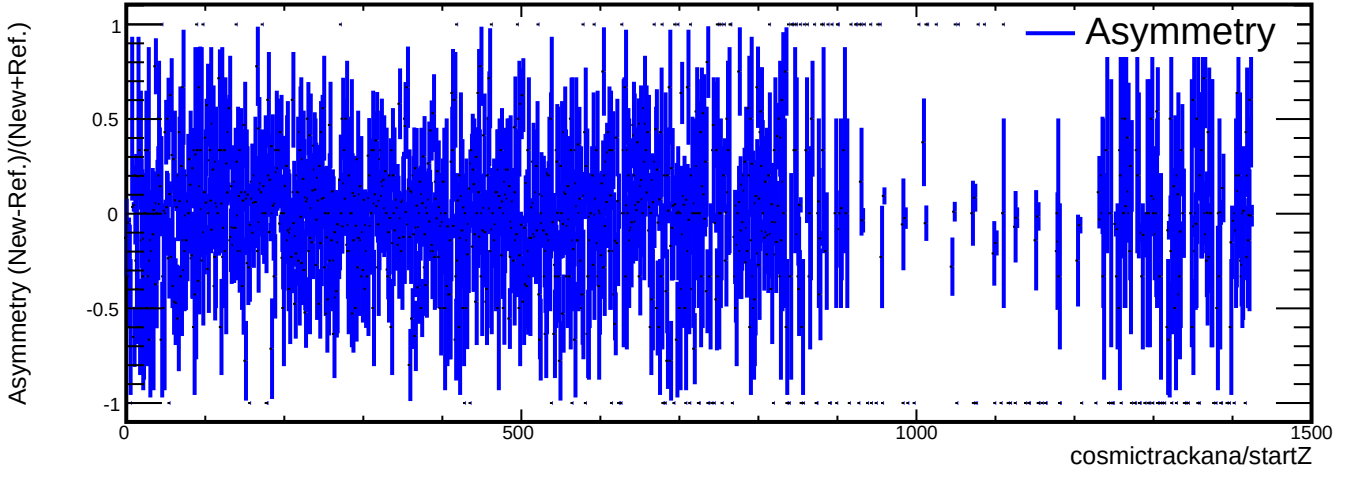

KS 0.227676, chi2 2.40103e-13
2012-04-07
2012-04-08
1200
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

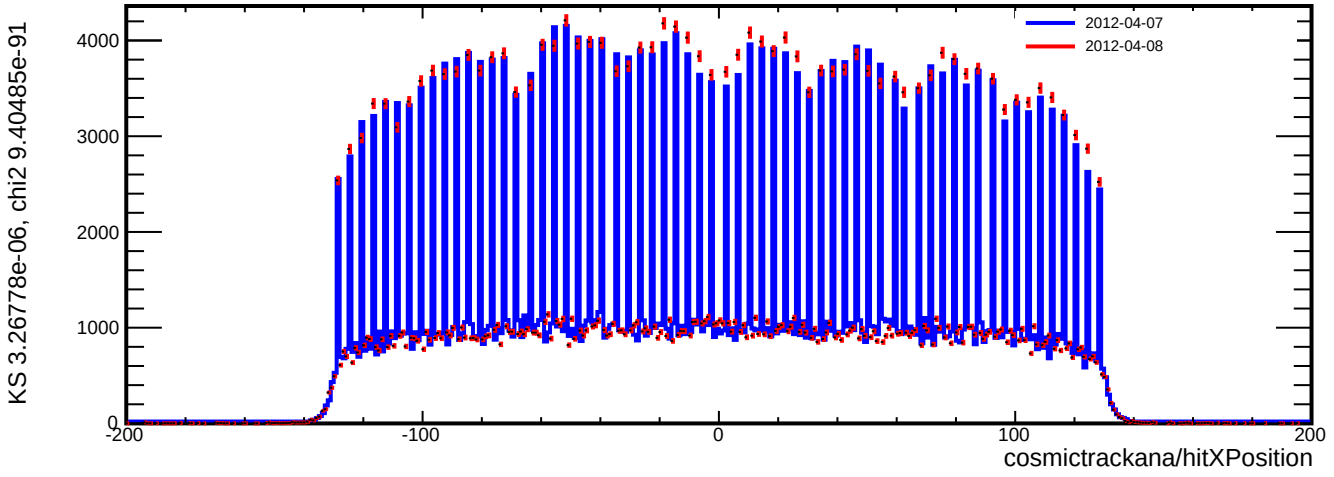

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startX

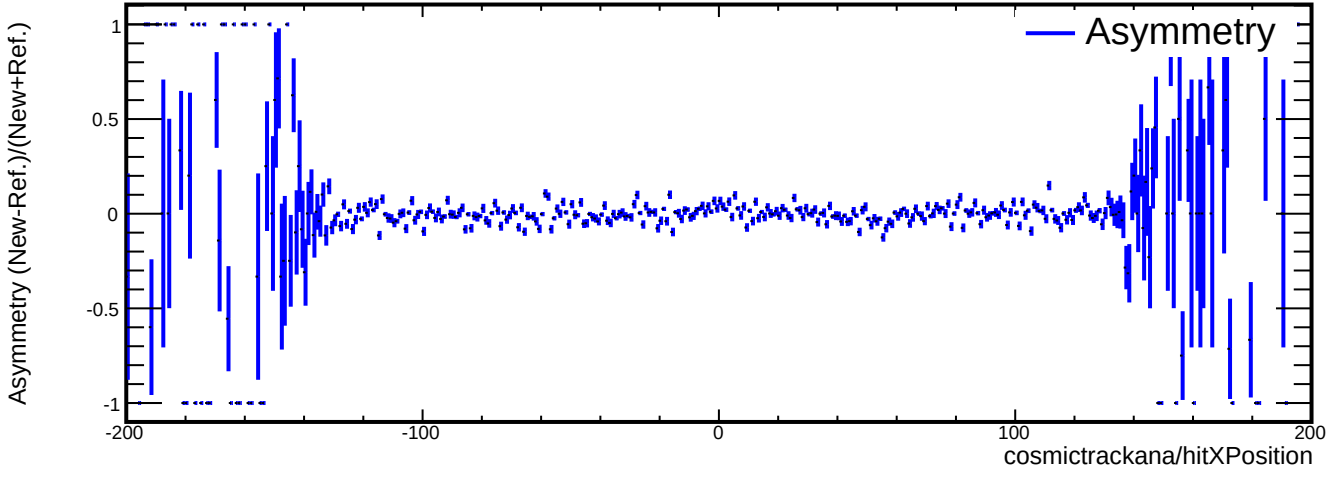

KS 0.732061, chi2 4.25813e-22
2012-04-07
2012-04-08
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

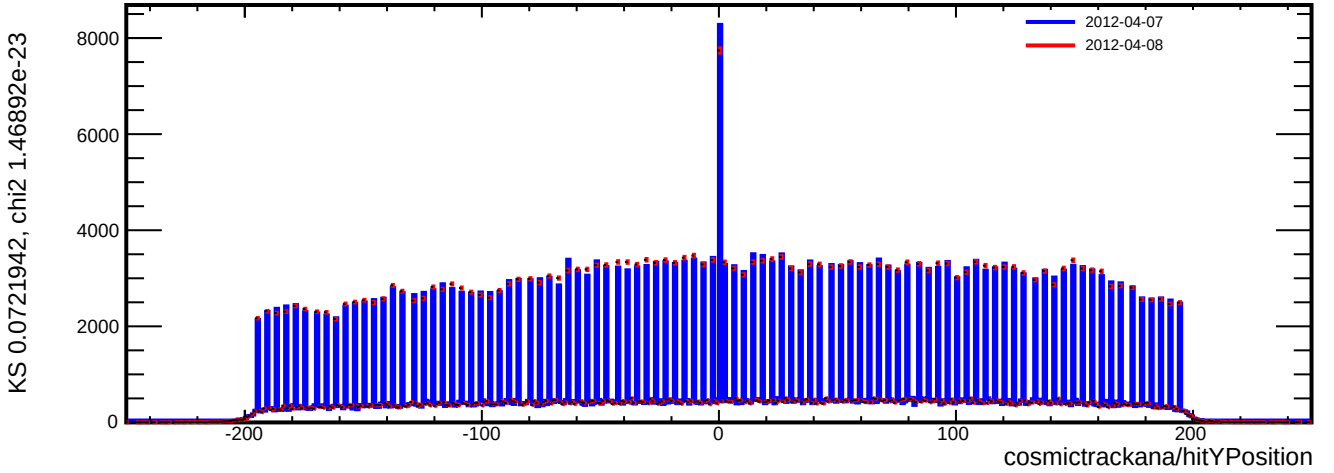

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

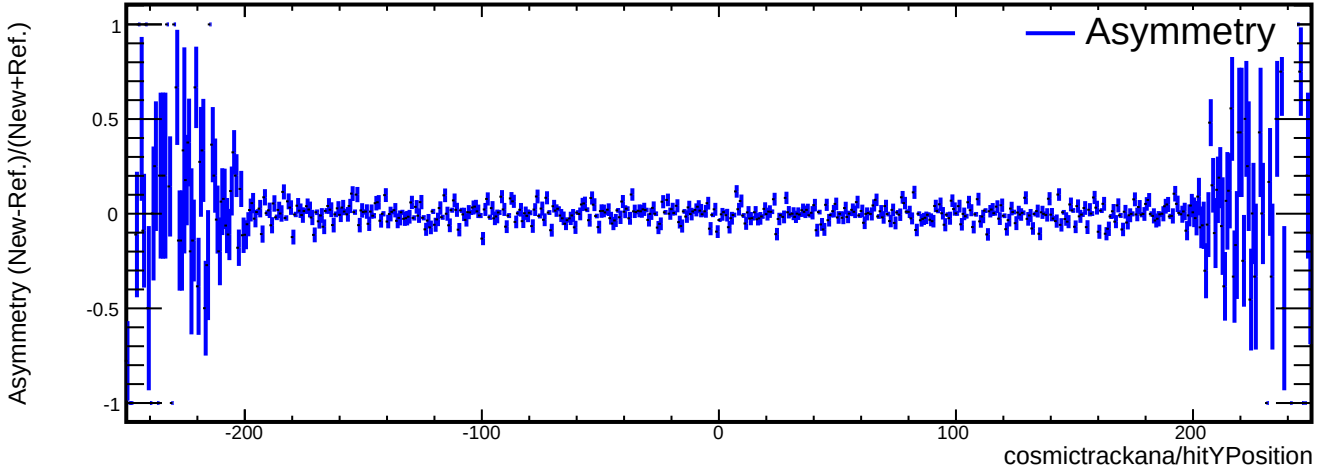

KS 0.269677, chi2 1.03163e-39
2012-04-07
2012-04-08
800
600
400
200
0
0
500
1000
1500
cosmictrackana/startZ

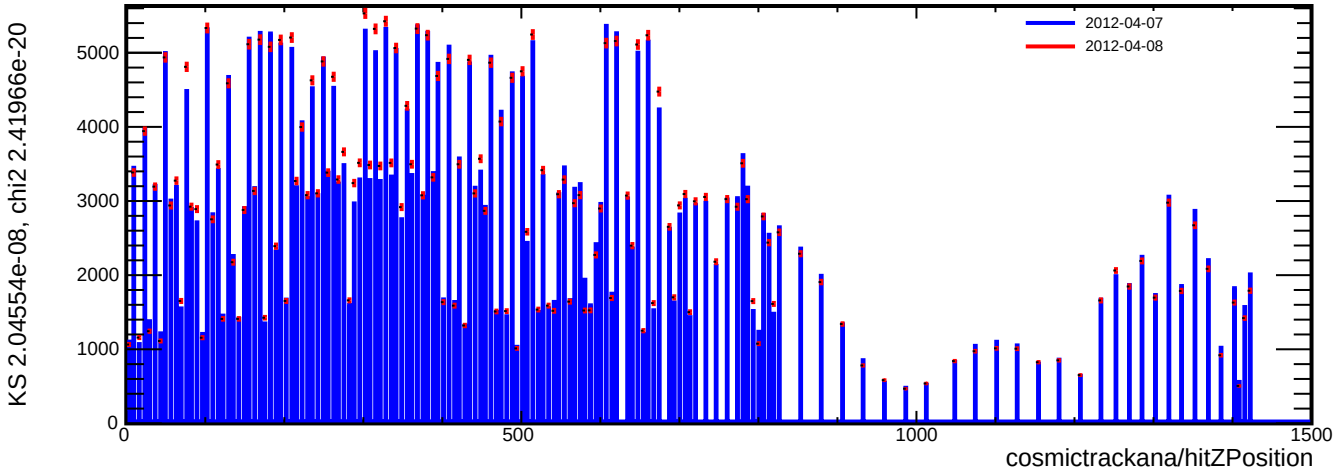

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

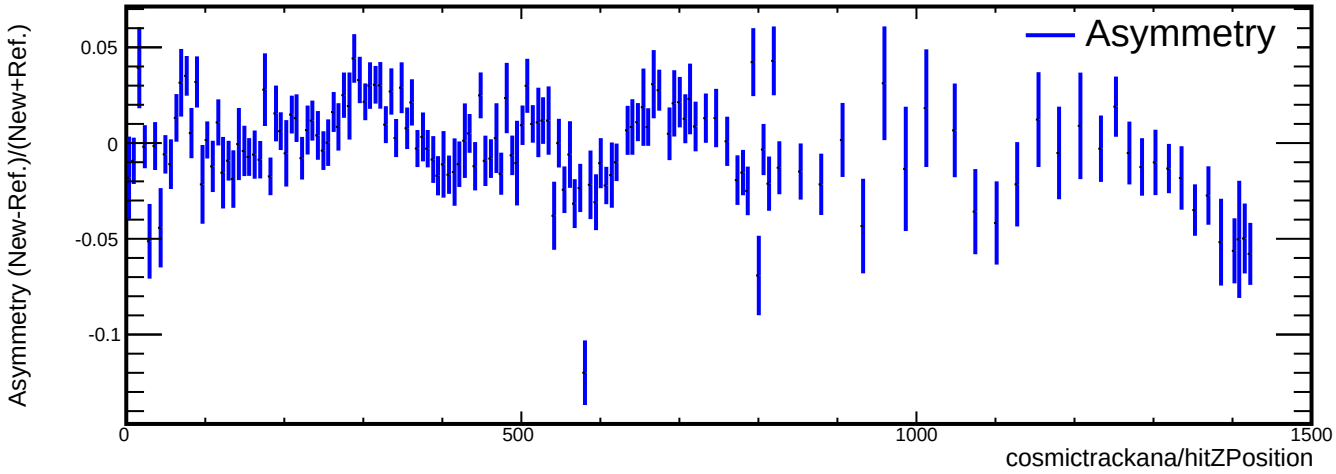

KS 3.26778e-06, chi2 9.40485e-91
2012-04-07
2012-04-08
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

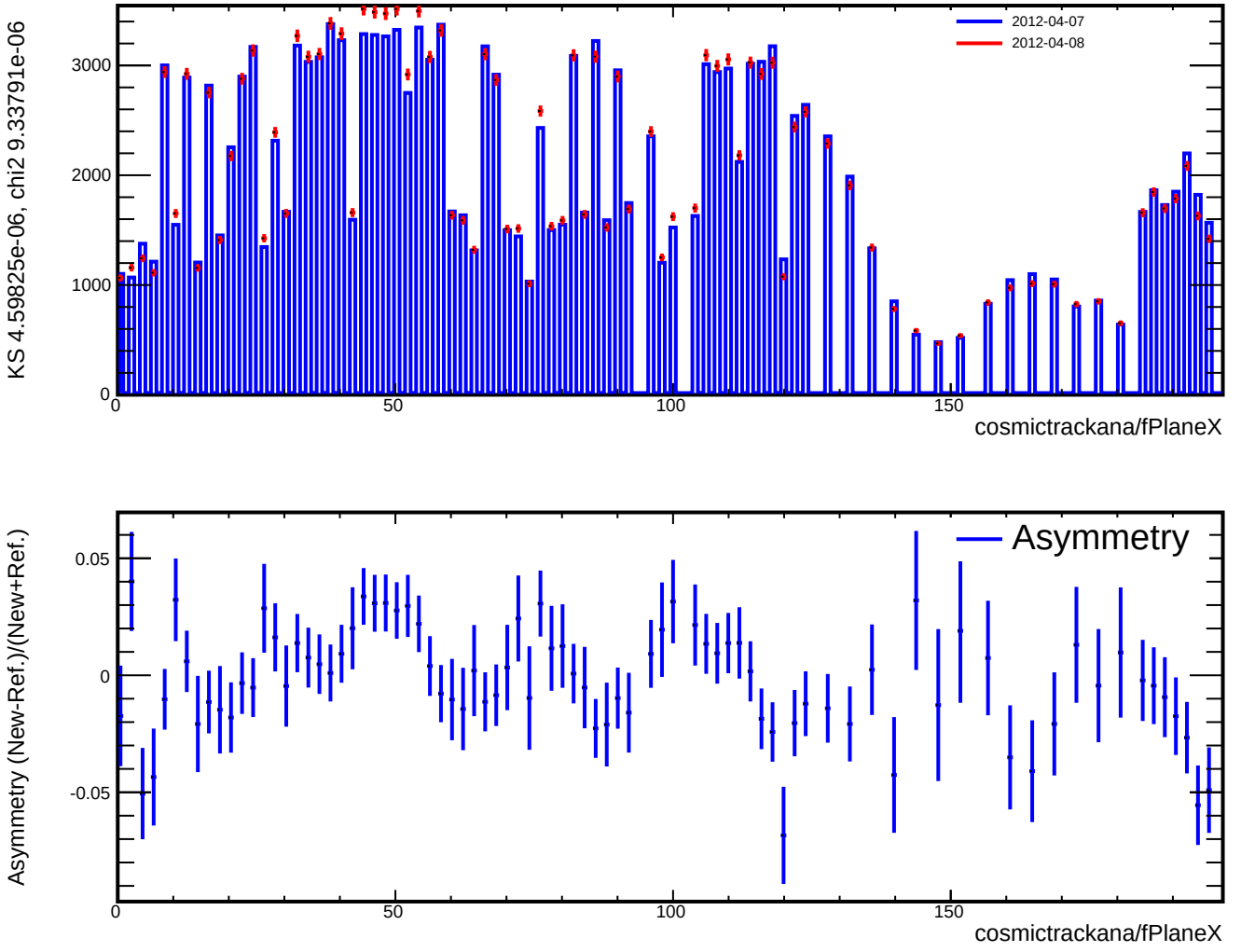

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

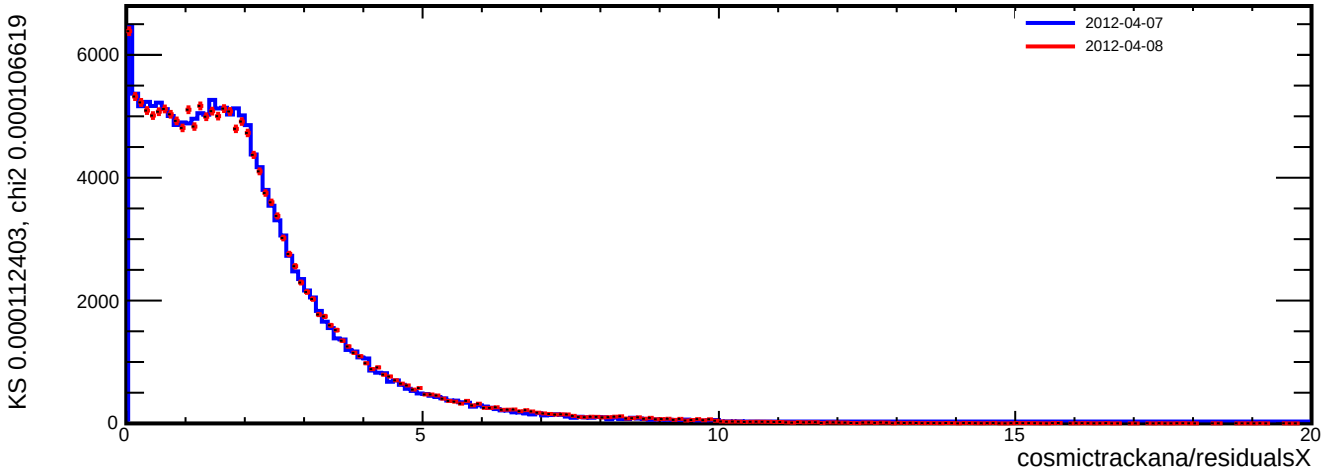

KS 0.0721942, chi2 1.46892e-23
2012-04-07
2012-04-08
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

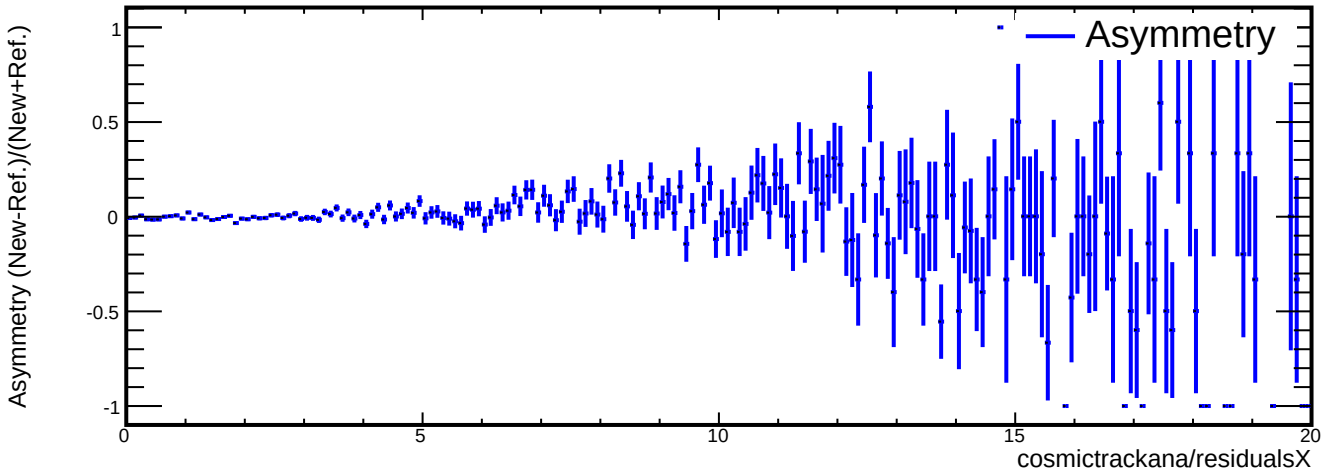

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

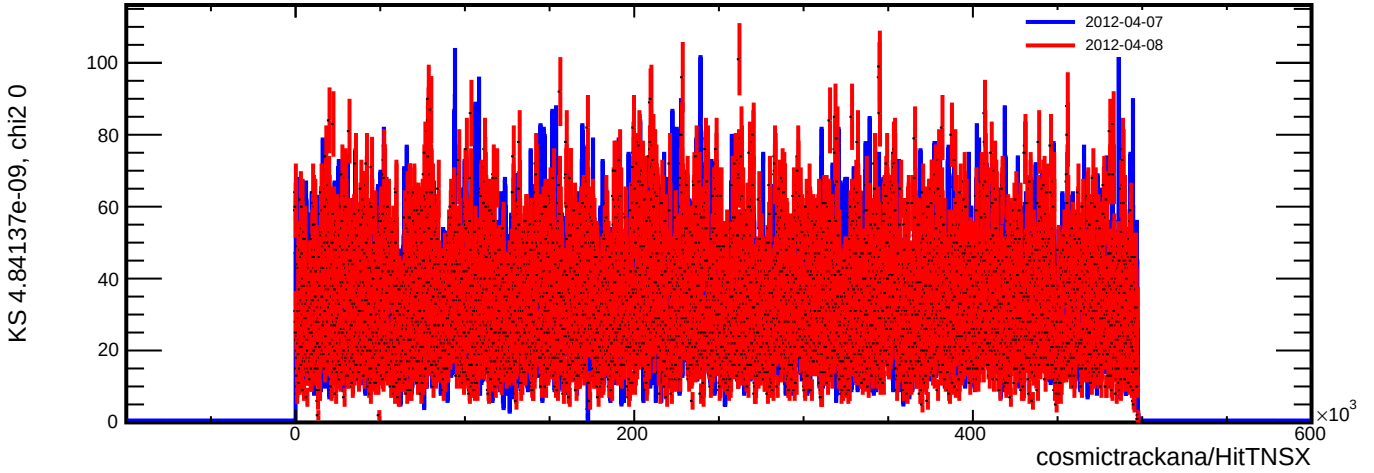

KS 2.04554e-08, chi2 2.41966e-20
2012-04-07
2012-04-08
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

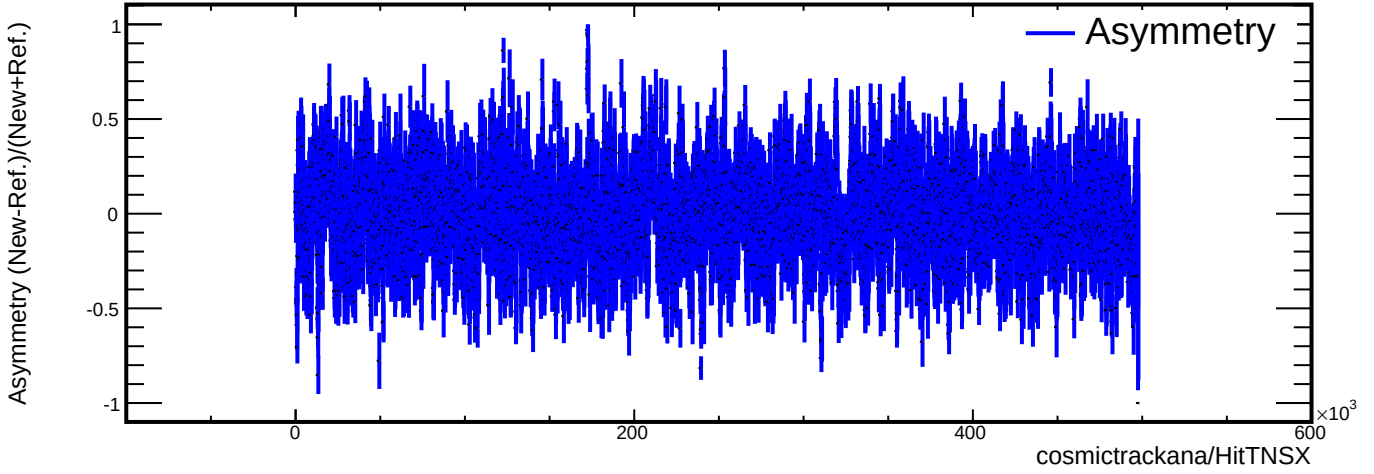

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.05
0
-0.05
-0.1
0
500
1000
1500
cosmictrackana/hitZPosition

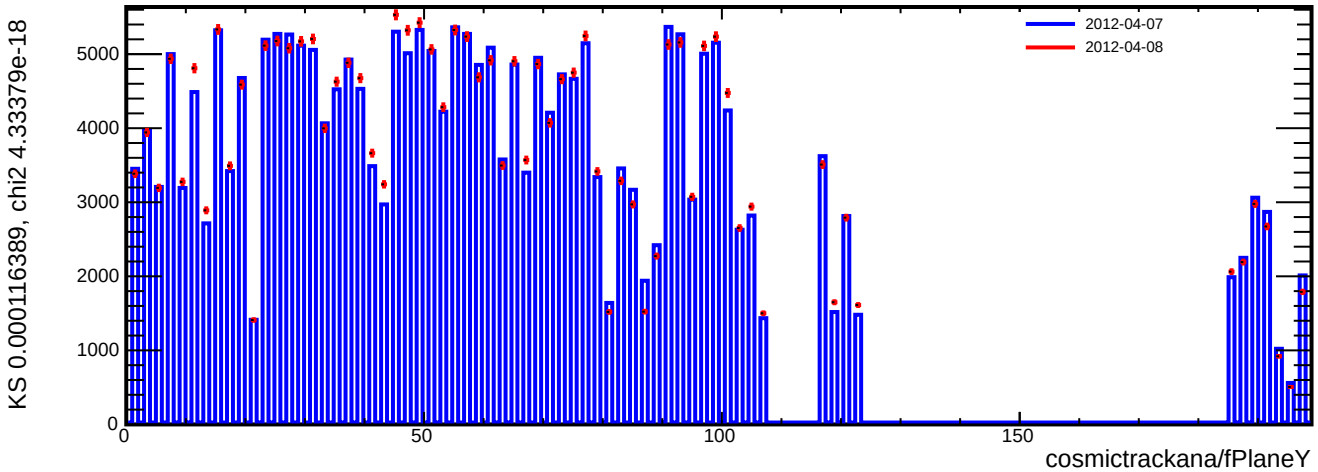

KS 4.59825e-06, chi2 9.33791e-06
2012-04-07
2012-04-08
cosmictrackana/fPlaneX
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/fPlaneX

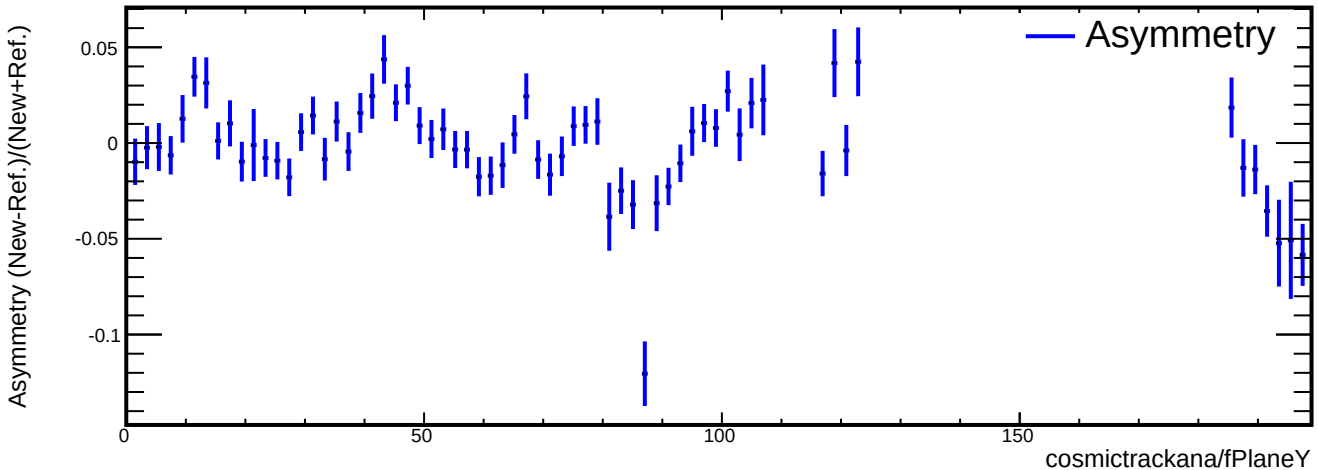

KS 0.000112403, chi2 0.000106619
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX
2012-04-07
2012-04-08

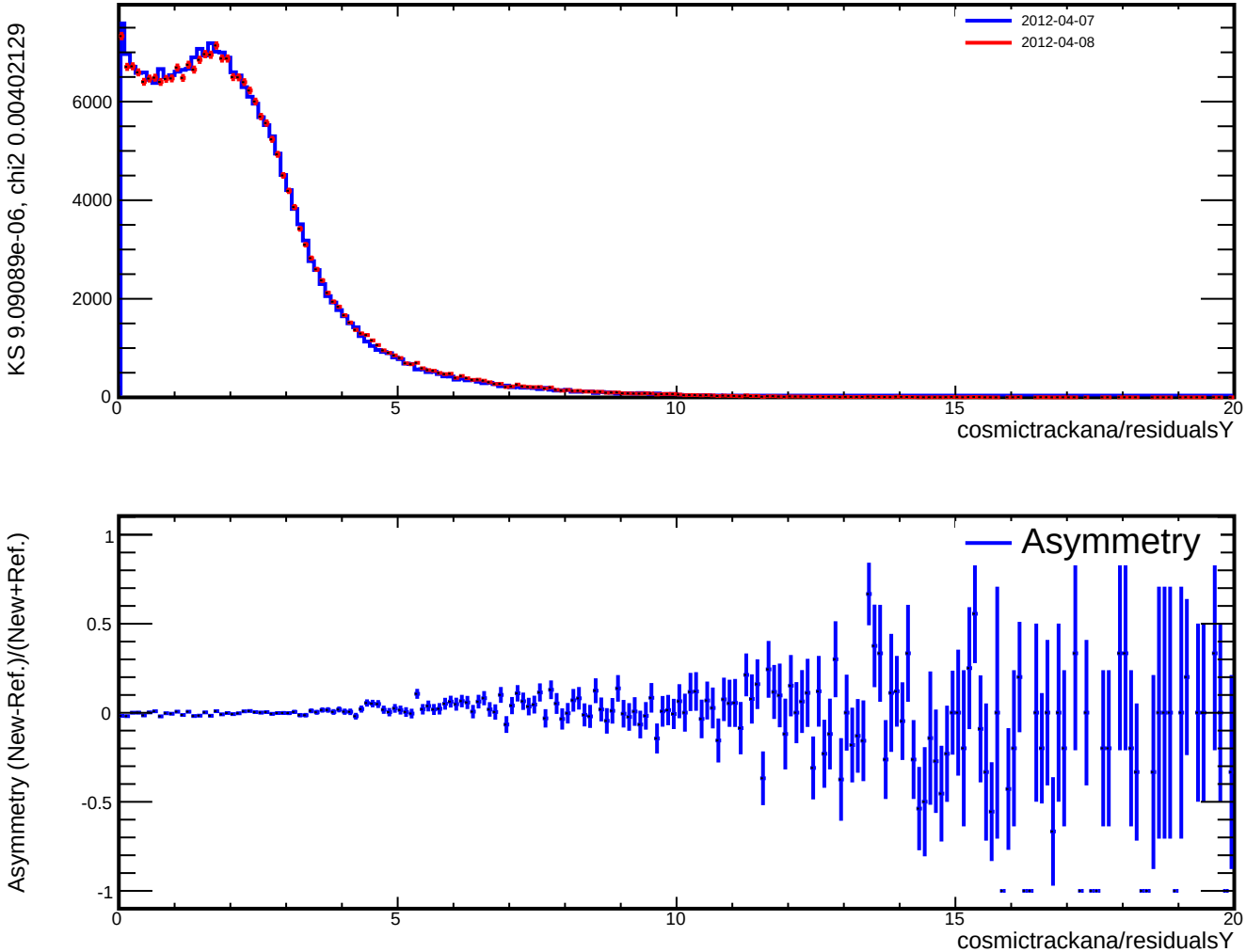

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX
Asymmetry

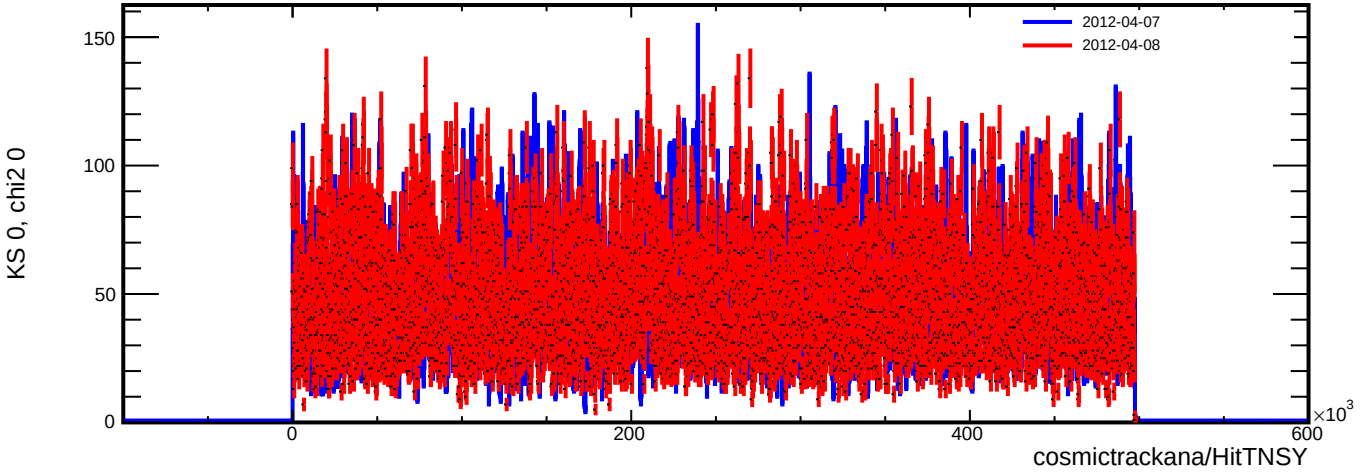

2012-04-07
2012-04-08
KS 4.84137e-09, chi2 0
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

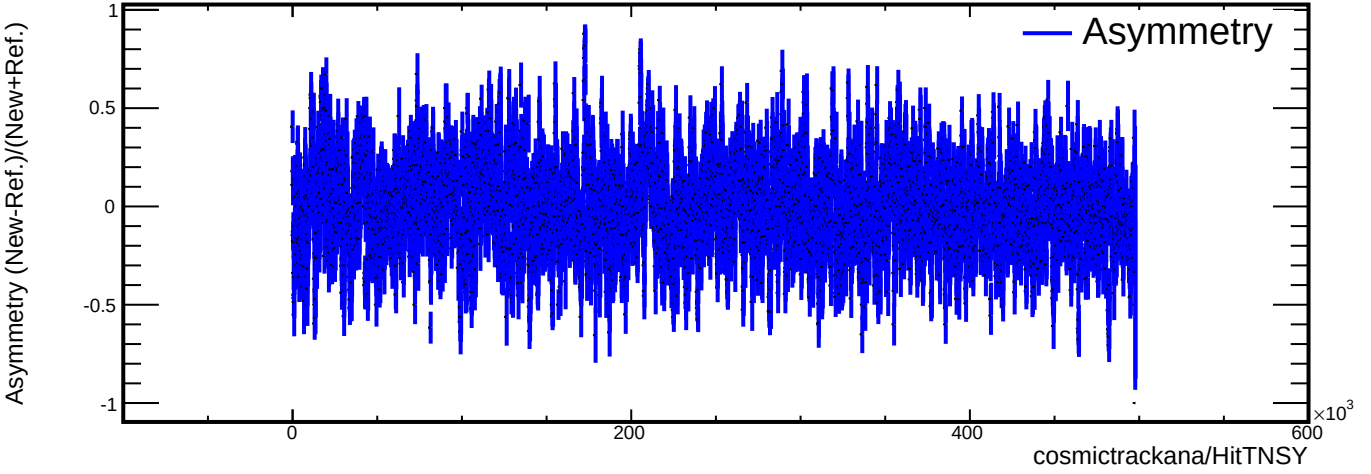

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX


KS 0.000116389, chi2 4.33379e-18
2012-04-07
2012-04-08
cosmictrackana/fPlaneY


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


KS 9.09089e-06, chi2 0.00402129
2012-04-07
2012-04-08
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsY
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsY


2012-04-07
2012-04-08
KS 0, 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