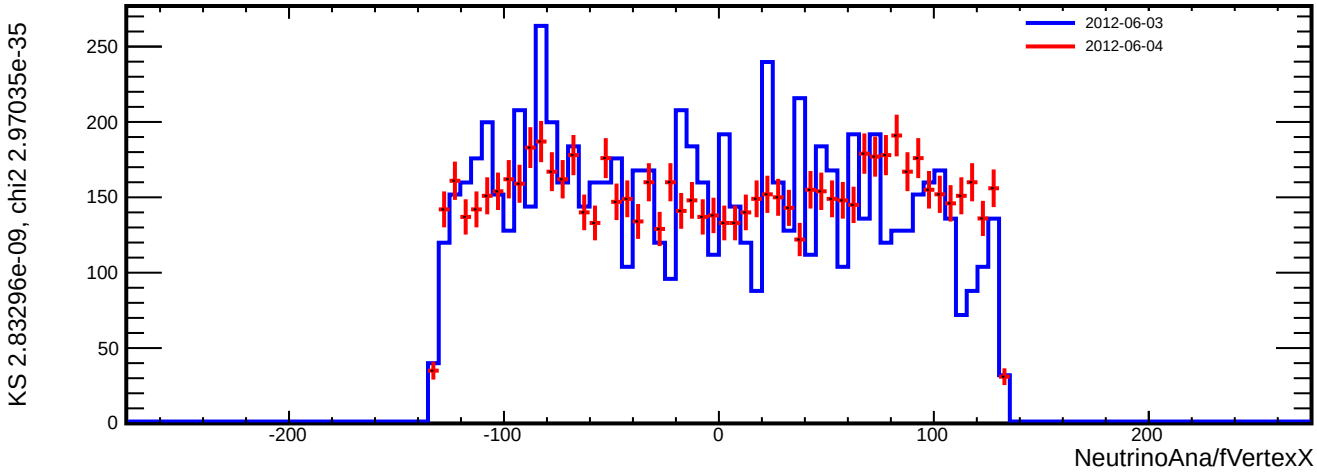
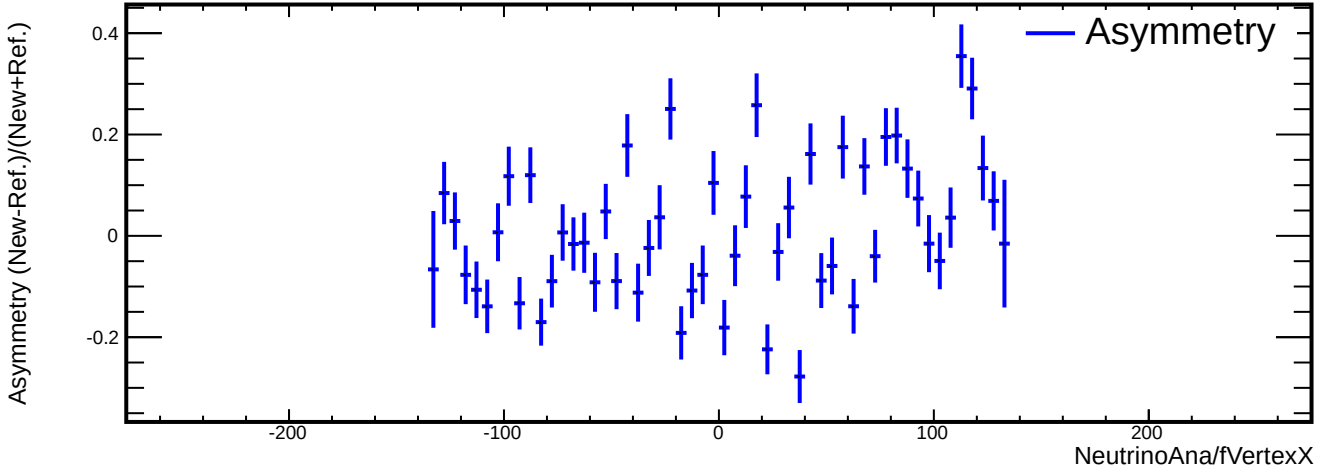
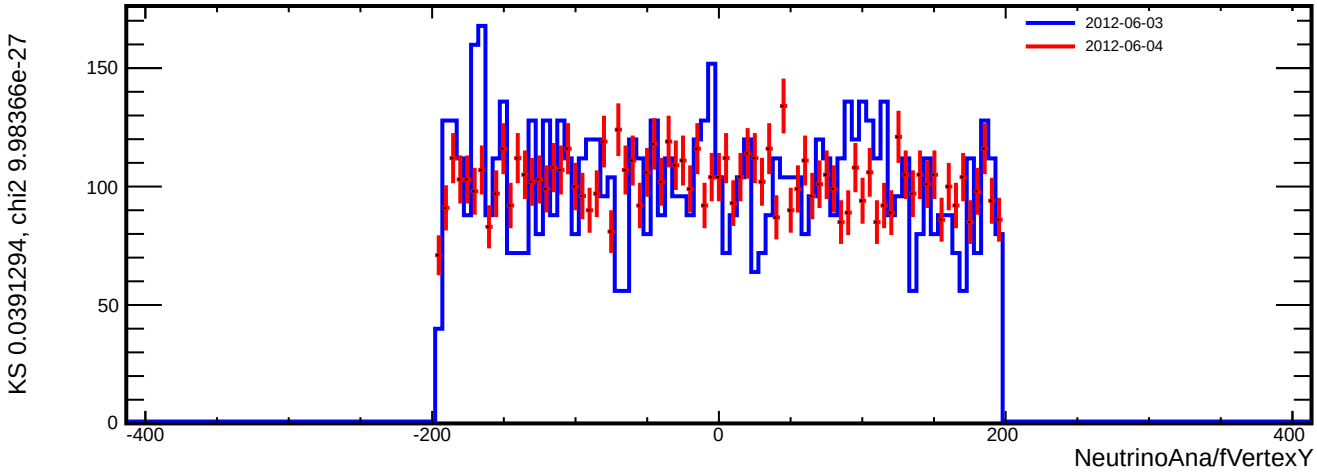
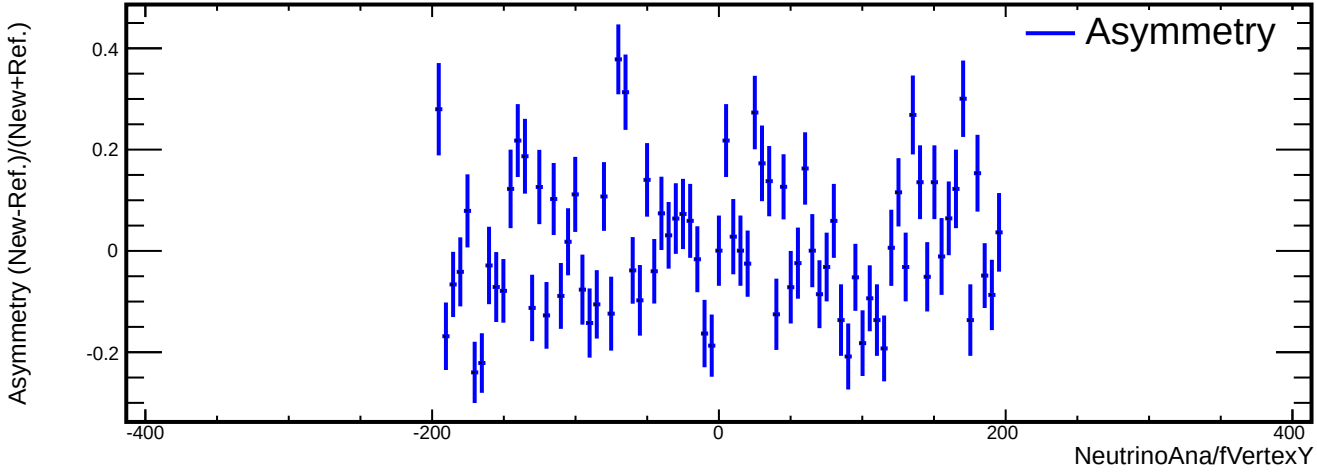
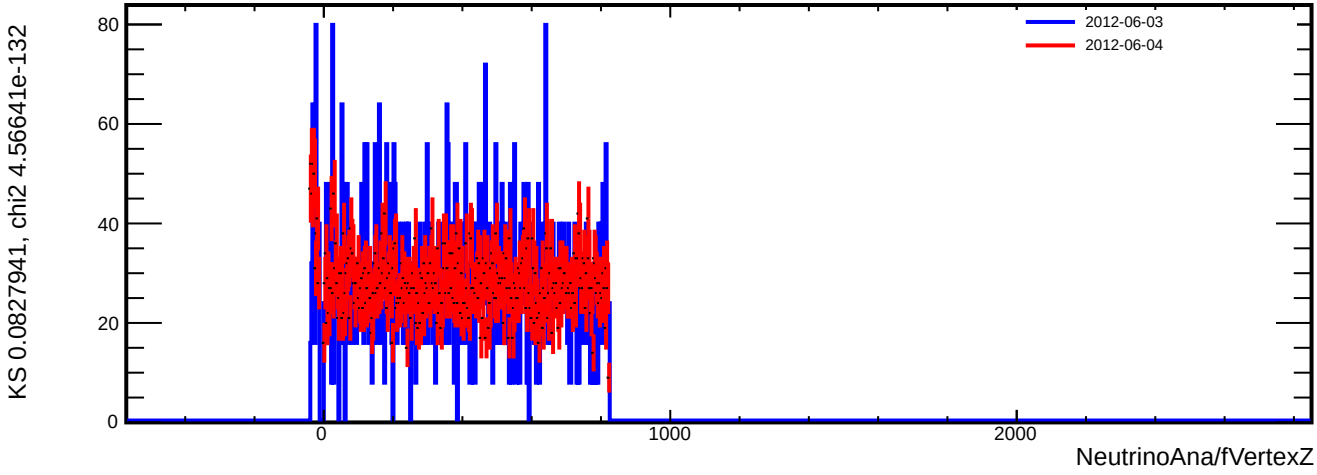
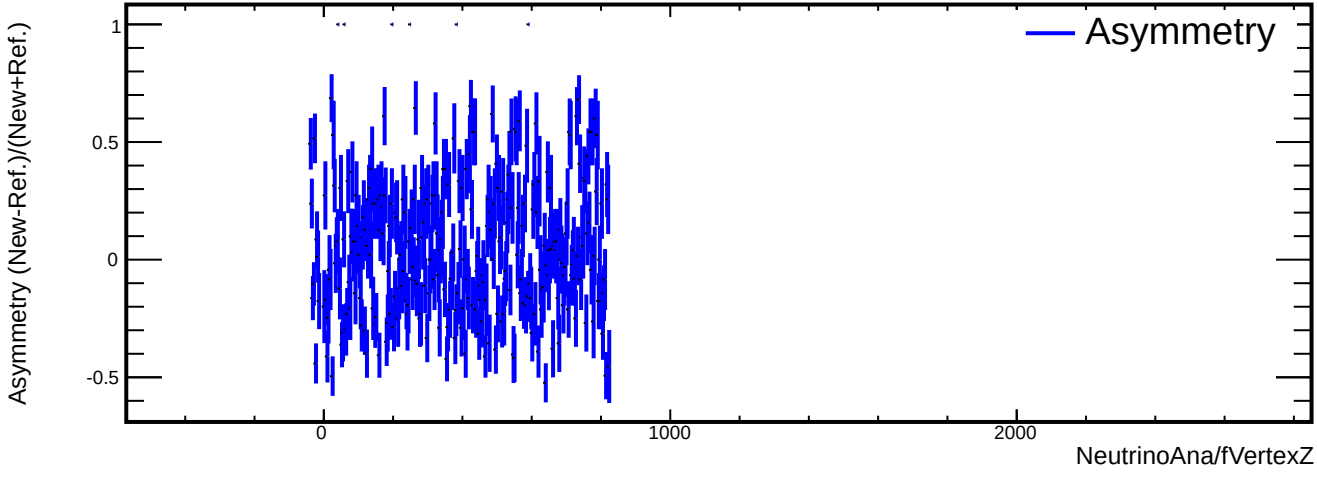

KS 2.83296e-09, chi2 2.97035e-35
2012-06-03
2012-06-04
250
200
150
100
50
0
-200
-100
0
100
200
NeutrinoAna/fVertexX

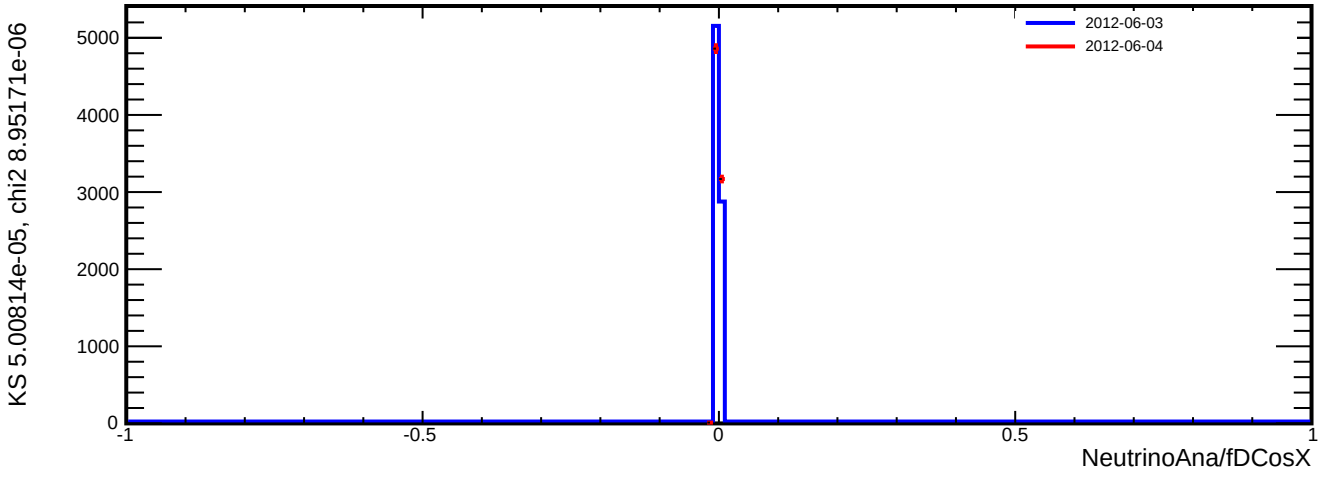

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-200
-100
0
100
200
NeutrinoAna/fVertexX

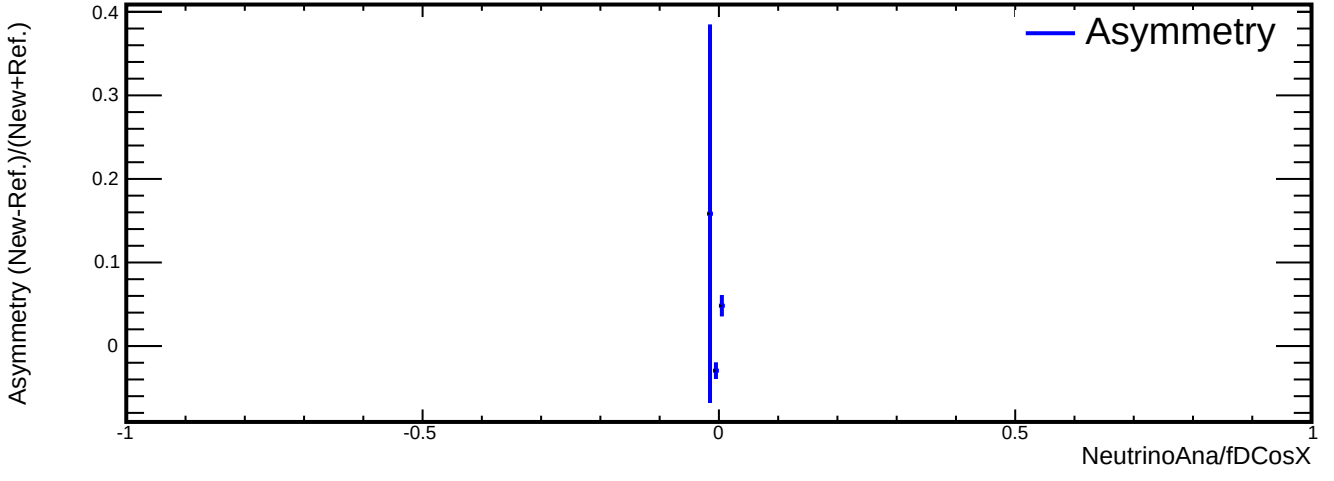

KS 0.0391294, chi2 9.98366e-27
2012-06-03
2012-06-04
150
100
50
0
-400
-200
0
200
400
NeutrinoAna/fVertexY

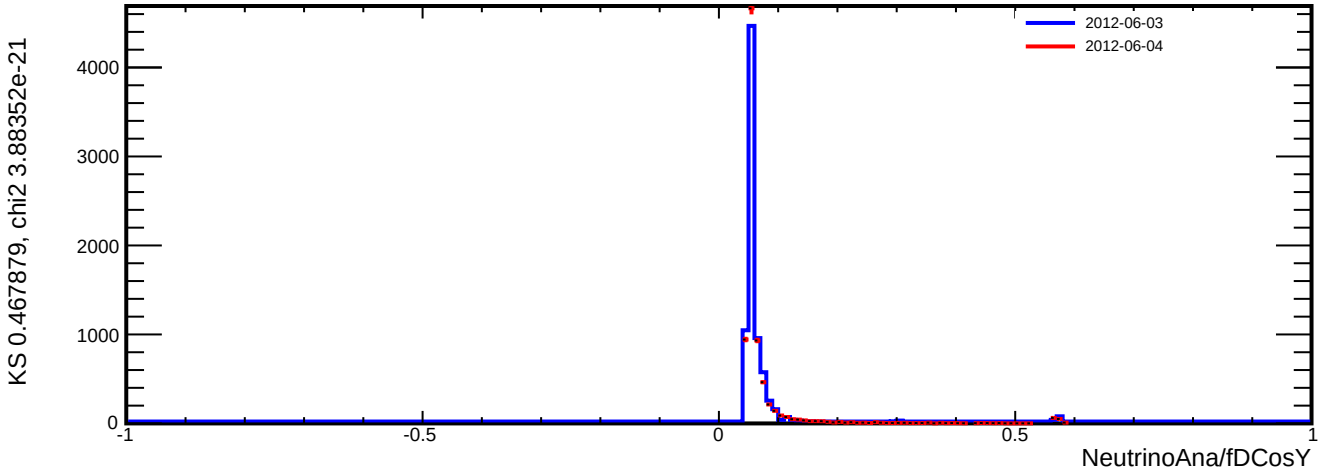

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-400
-200
0
200
400
NeutrinoAna/fVertexY

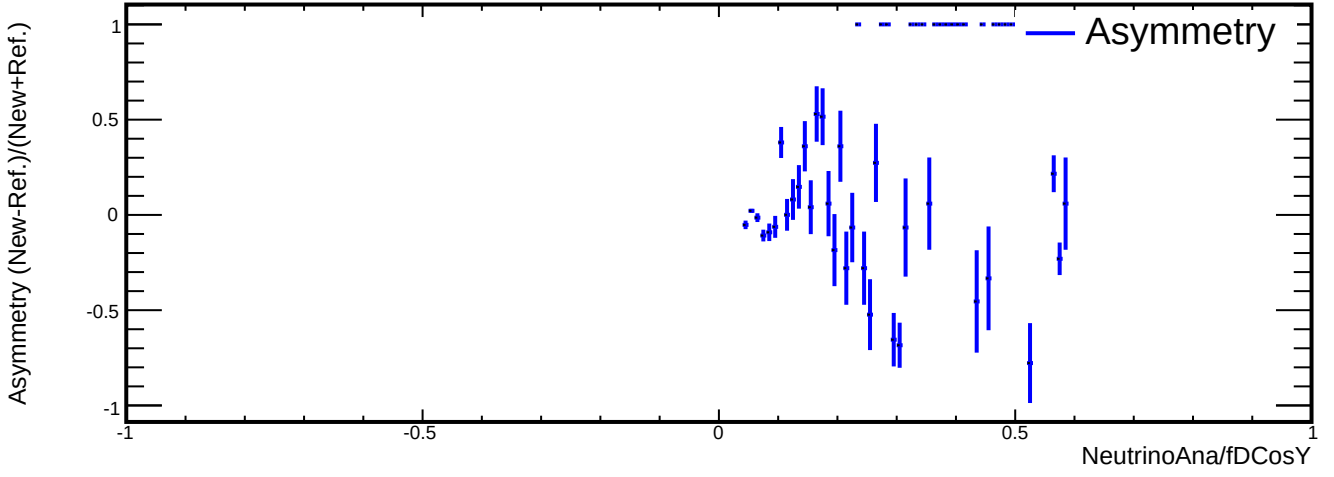

KS 0.0827941, chi2 4.56641e-132
80
60
40
20
0
0
1000
2000
NeutrinoAna/fVertexZ
2012-06-03
2012-06-04

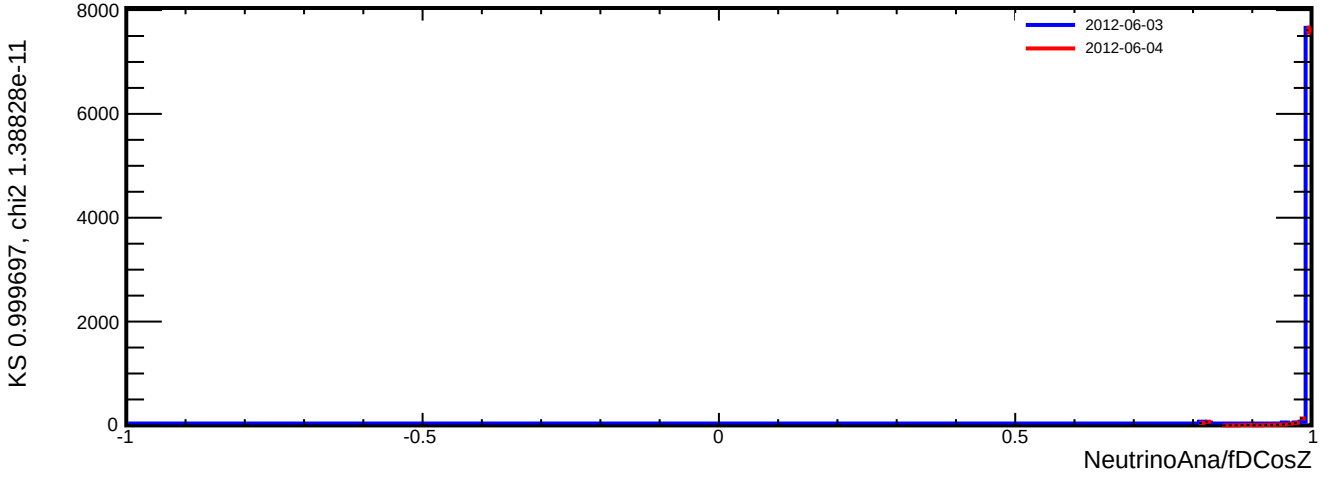

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
0
1000
2000
NeutrinoAna/fVertexZ
Asymmetry

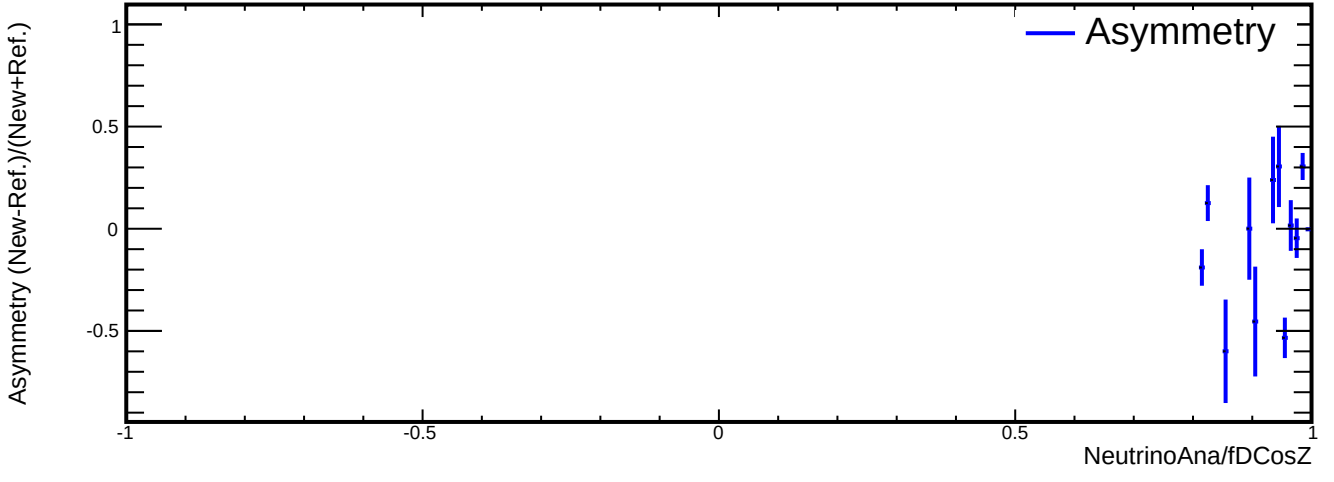

KS 5.00814e-05, chi2 8.95171e-06
2012-06-03
2012-06-04
5000
4000
3000
2000
1000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosX

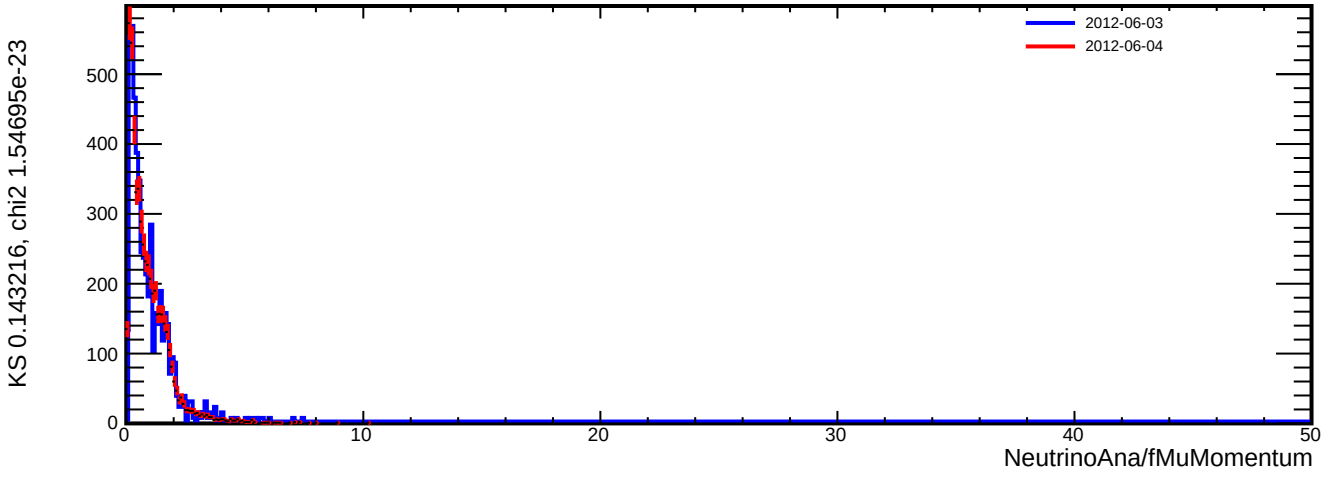

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.3
0.2
0.1
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosX

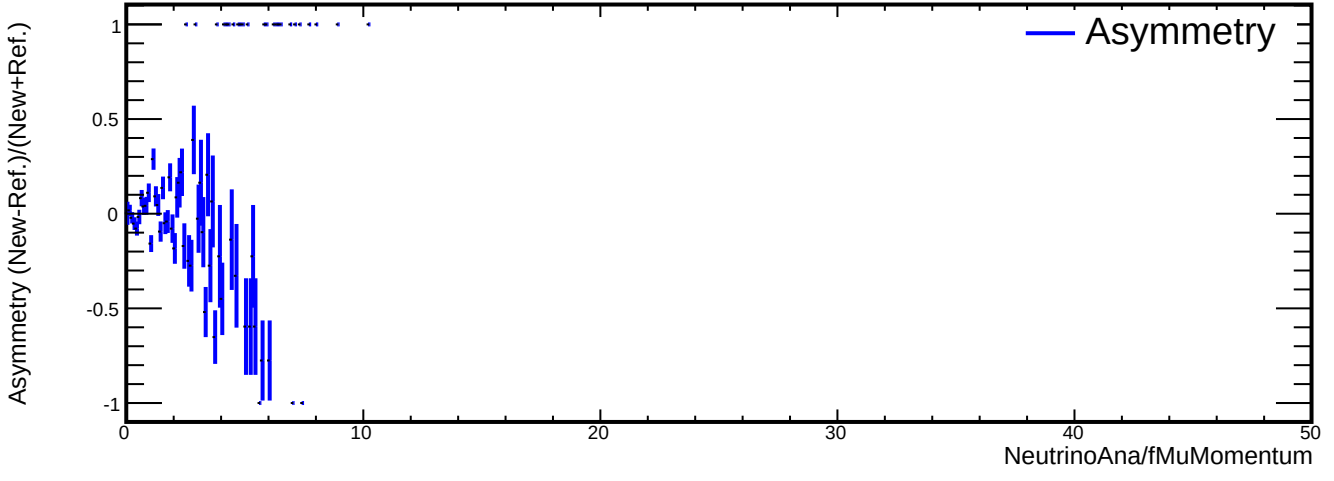

KS 0.467879, chi2 3.88352e-21
2012-06-03
2012-06-04
4000
3000
2000
1000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosY

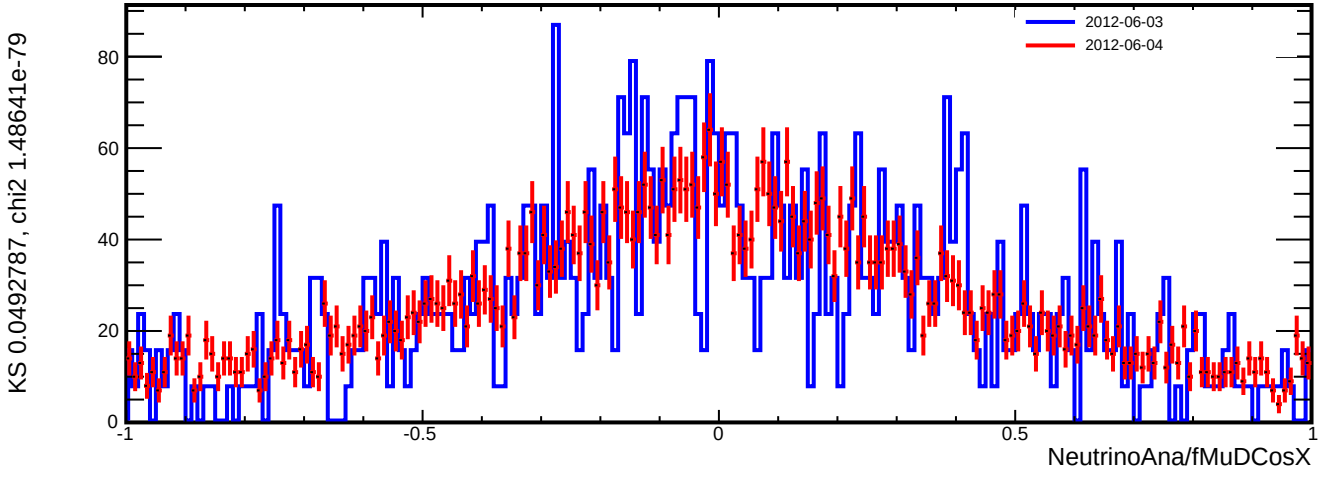

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosY

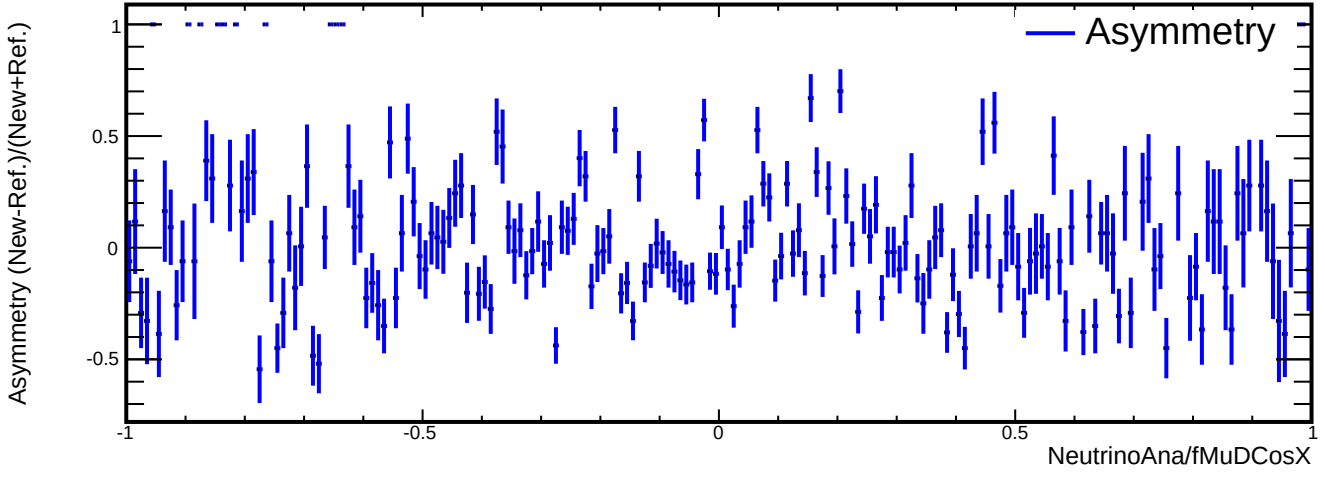

KS 0.999697, chi2 1.38828e-11
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosZ
2012-06-03
2012-06-04

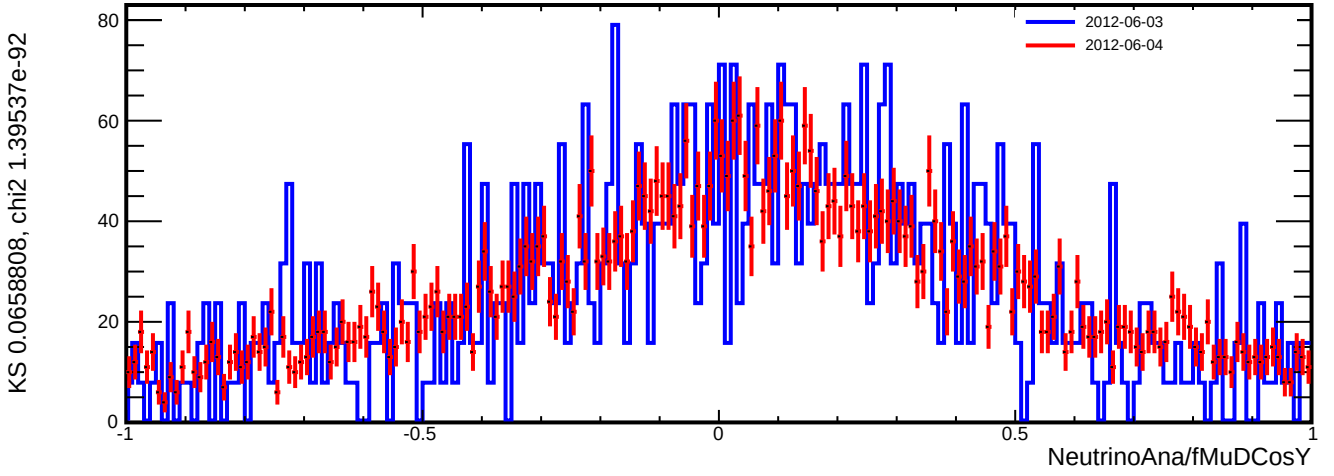

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosZ
Asymmetry

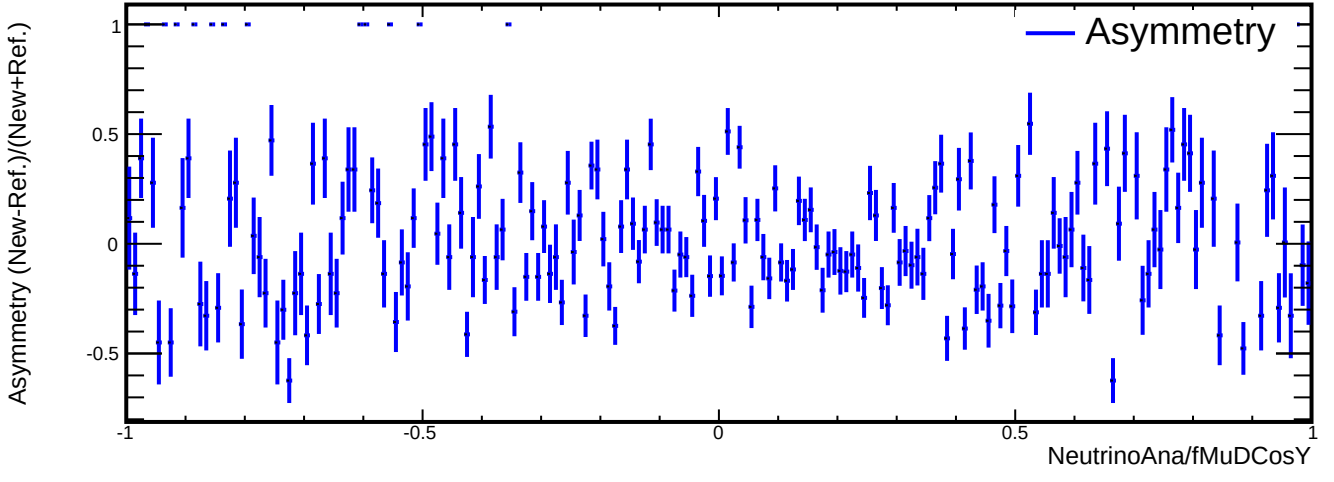

KS 0.143216, chi2 1.54695e-23
2012-06-03
2012-06-04
0
100
200
300
400
500
0
10
20
30
40
50
NeutrinoAna/fMuMomentum

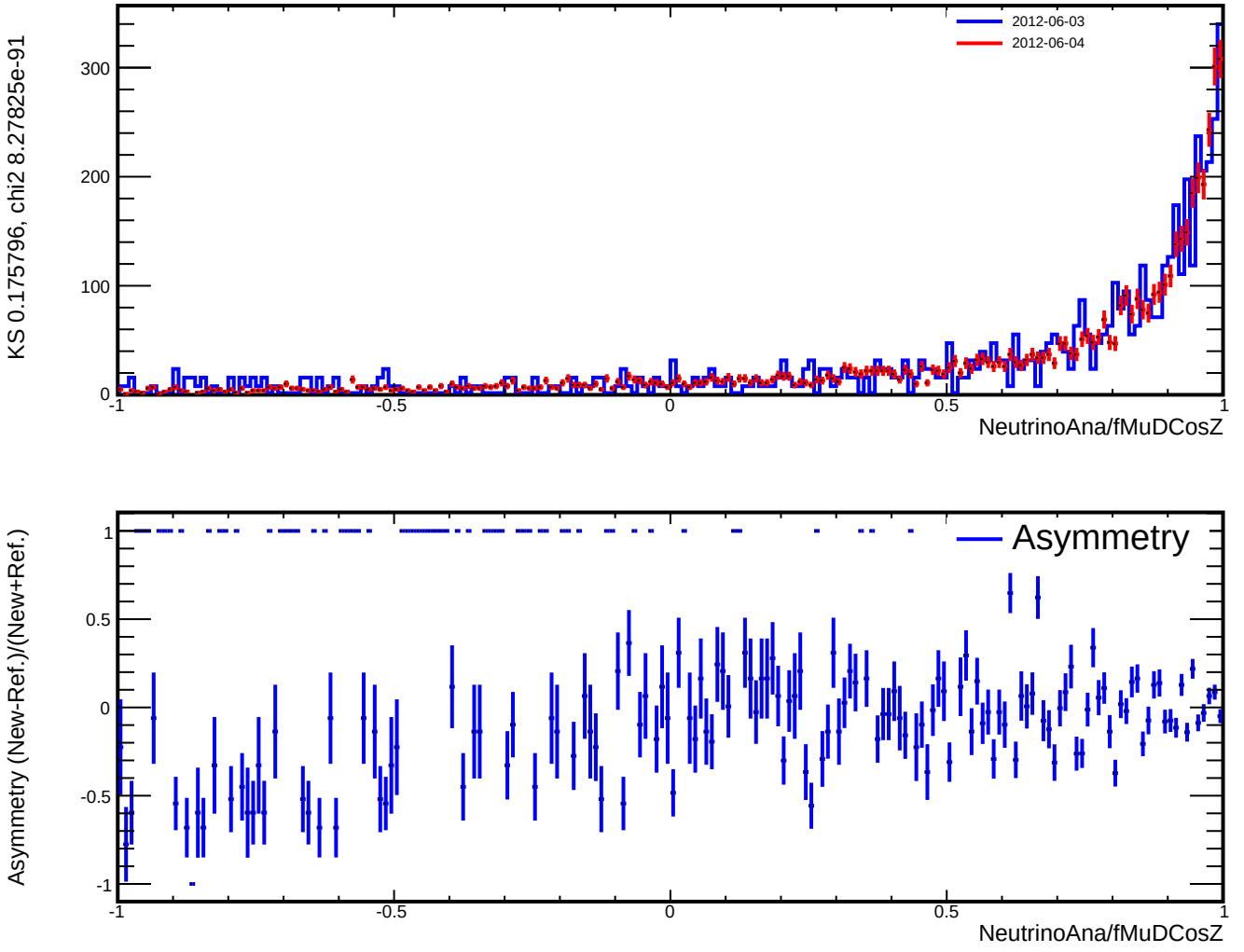

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
NeutrinoAna/fMuMomentum

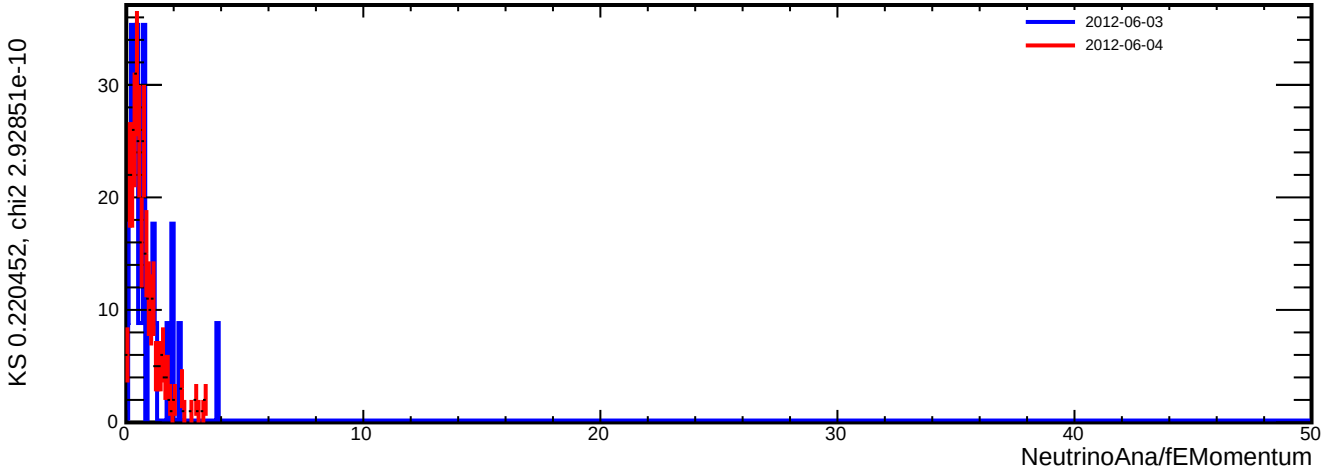

KS 0.0492787, chi2 1.48641e-79
2012-06-03
2012-06-04
80
60
40
20
0
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosX

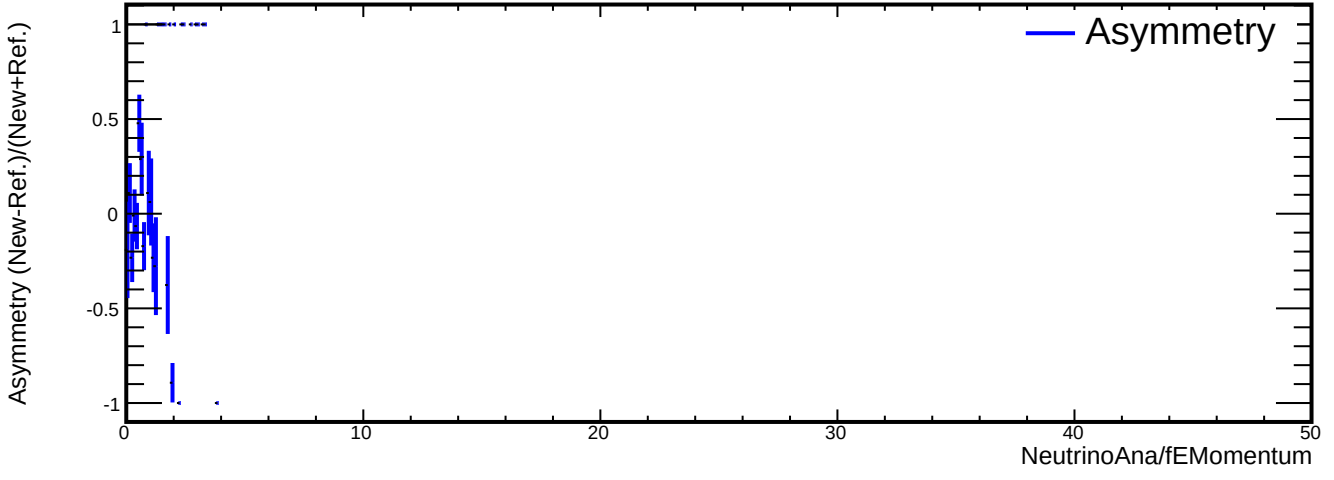

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosX

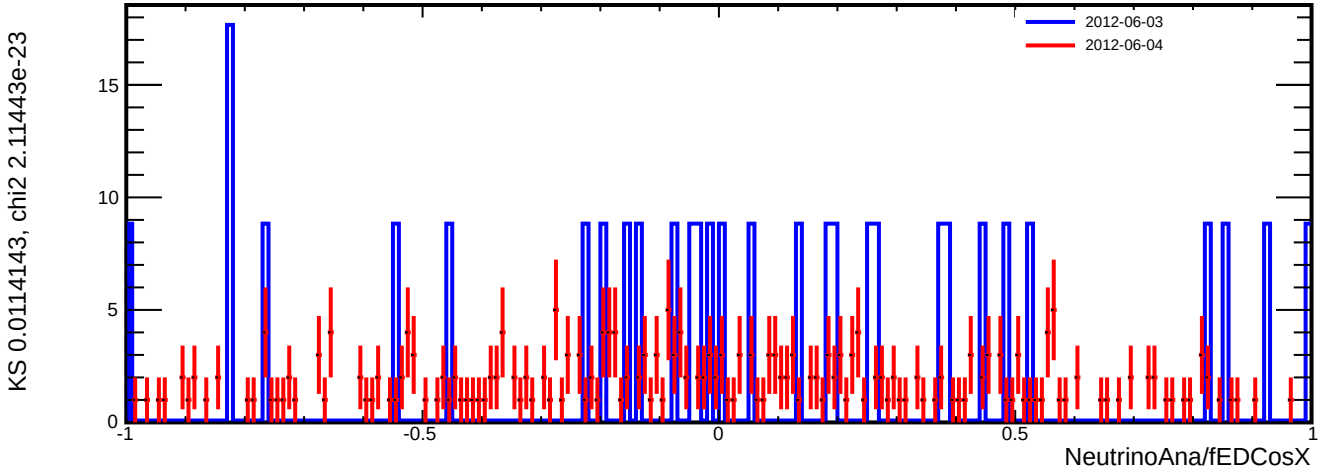

KS 0.0658808, chi2 1.39537e-92
2012-06-03
2012-06-04
NeutrinoAna/fMuDCosY

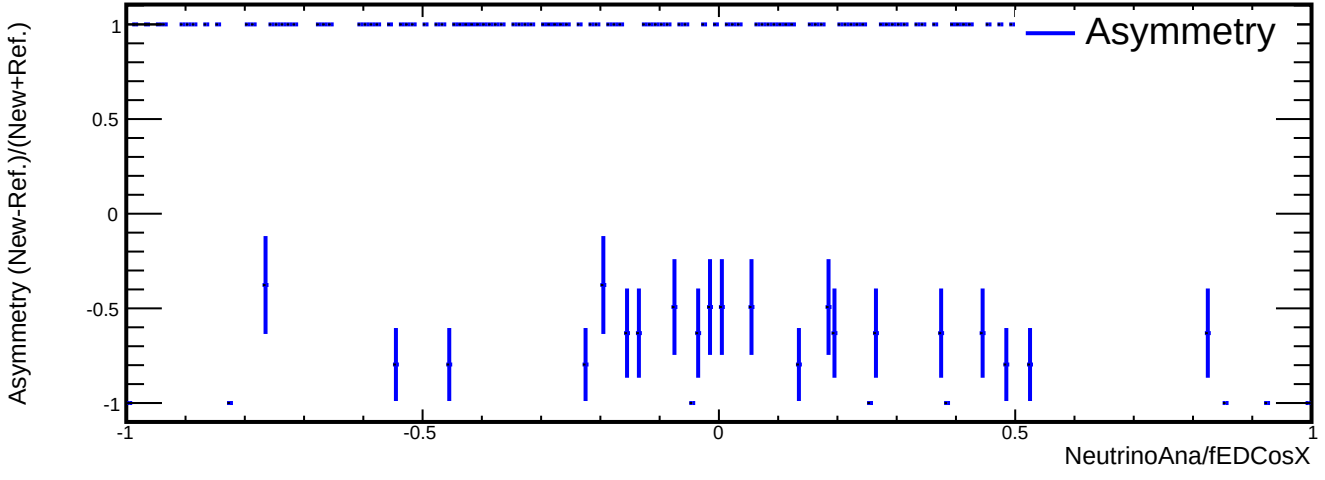

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fMuDCosY

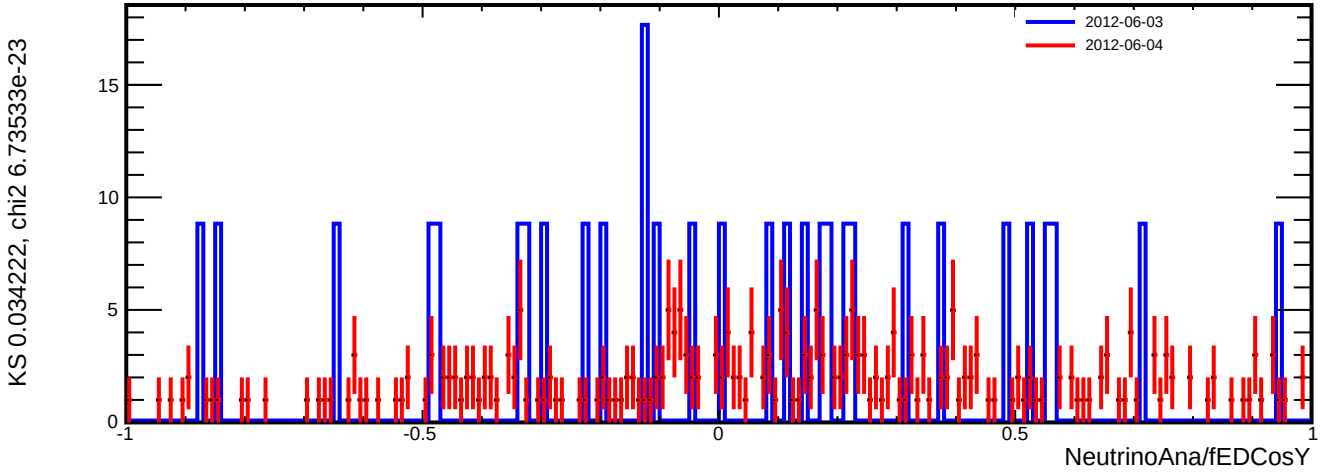

KS 0.175796, chi2 8.27825e-91
2012-06-03
2012-06-04
300
200
100
0
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosZ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosZ

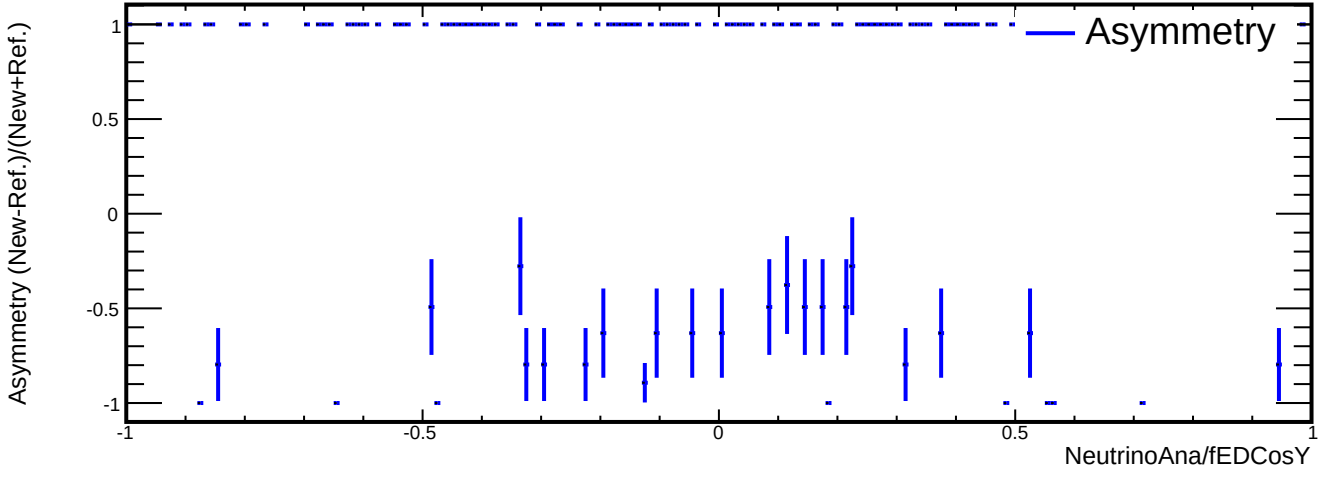

KS 0.220452, chi2 2.92851e-10
2012-06-03
2012-06-04
0
10
20
30
0
10
20
30
40
50
NeutrinoAna/fEMomentum

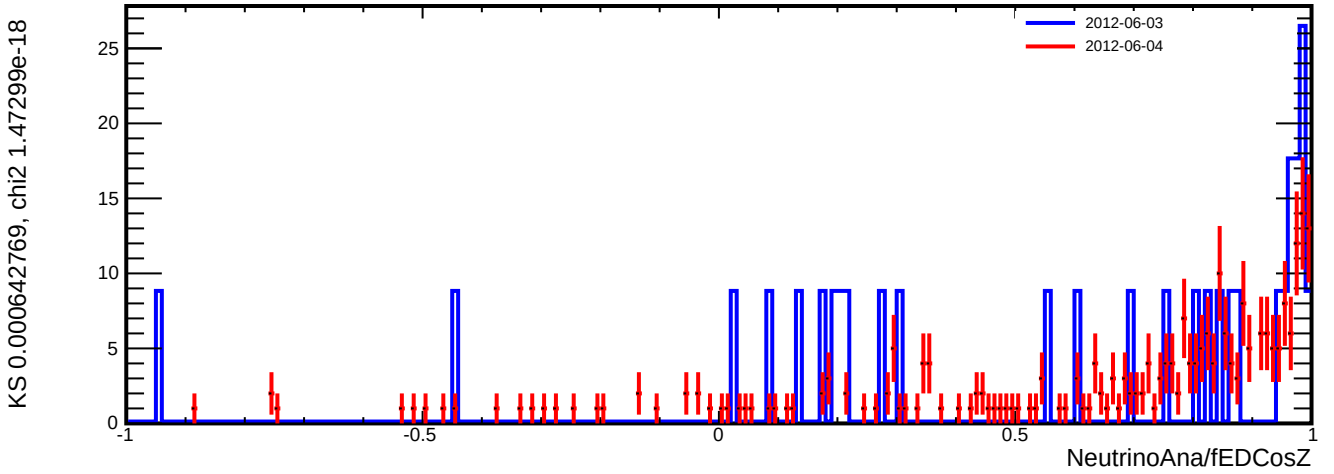

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
NeutrinoAna/fEMomentum

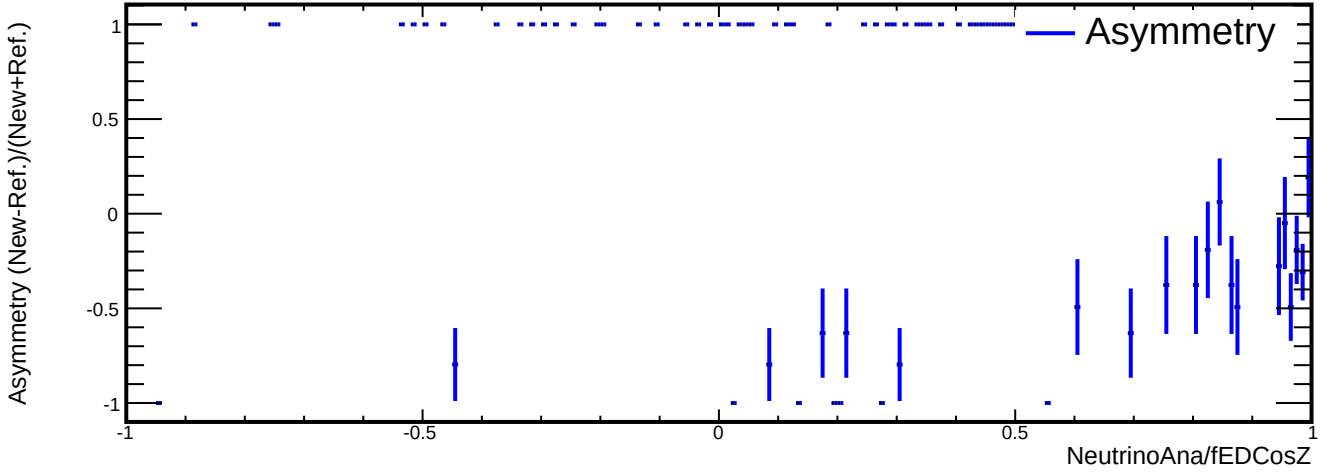

KS 0.0114143, chi2 2.11443e-23
2012-06-03
2012-06-04
15
10
5
0
-1
-0.5
0
0.5
1
NeutrinoAna/fEDCosX

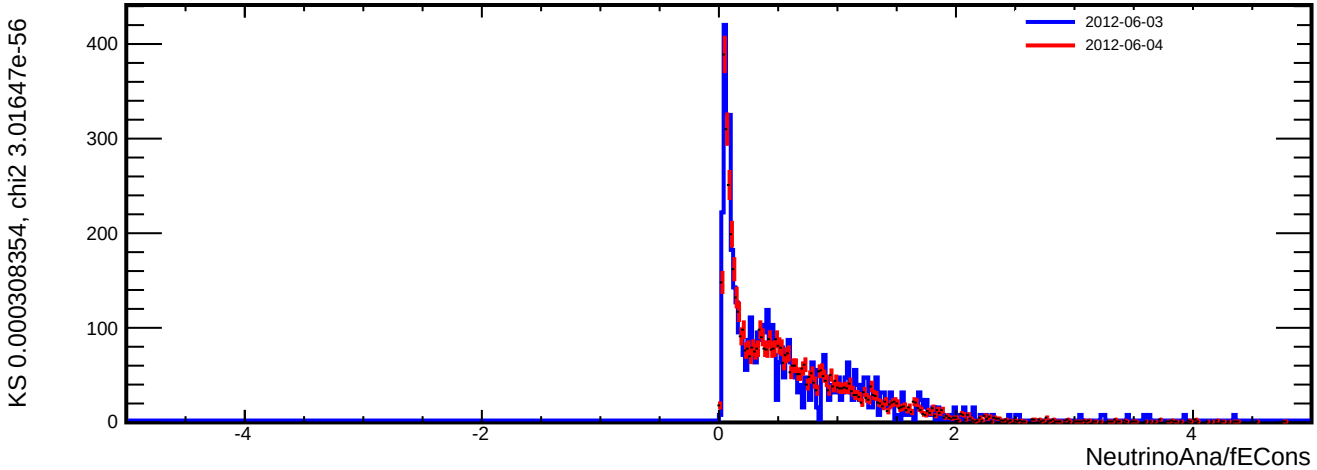

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fEDCosX

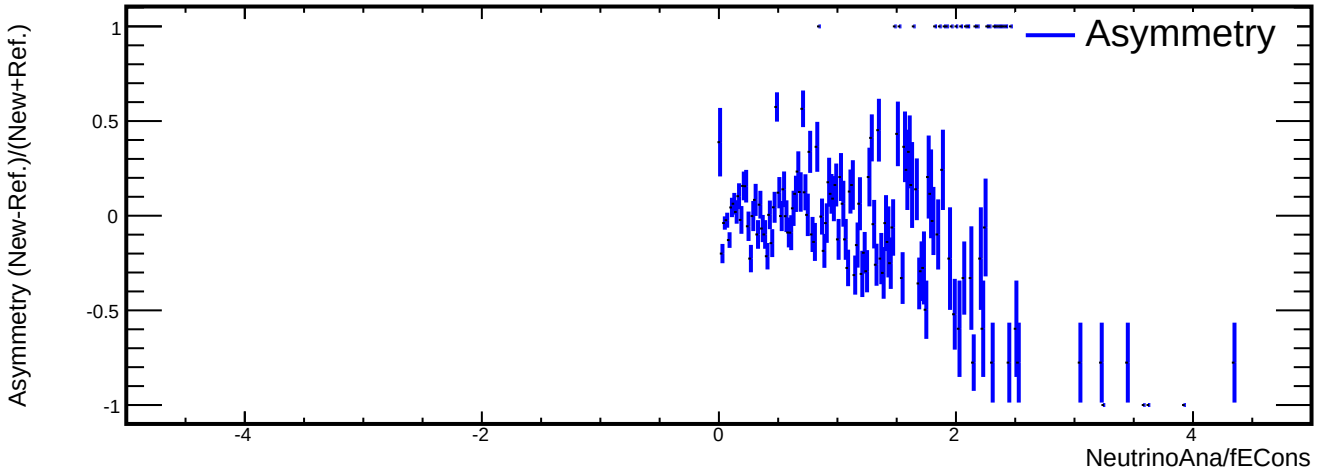

KS 0.034222, chi2 6.73533e-23
2012-06-03
2012-06-04
15
10
5
0
-1
-0.5
0
0.5
1
NeutrinoAna/fEDCosY

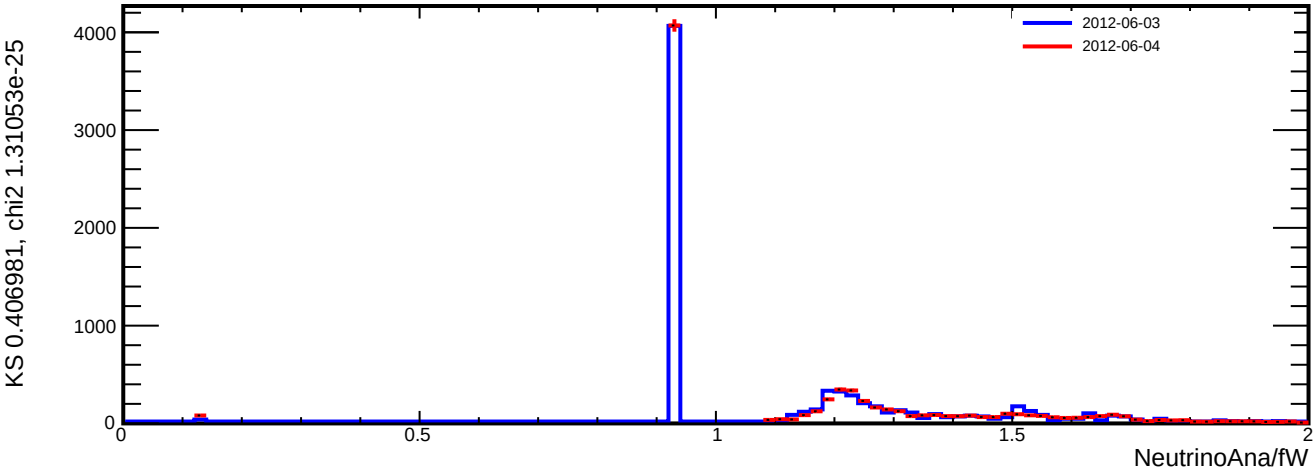

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fEDCosY

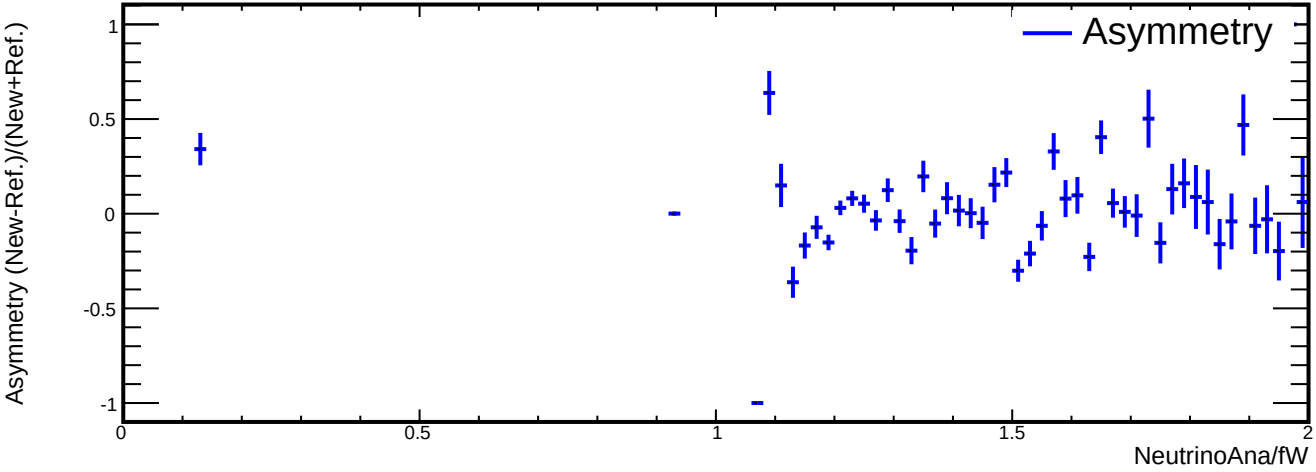

KS 0.000642769, chi2 1.47299e-18
2012-06-03
2012-06-04
NeutrinoAna/fEDCosZ

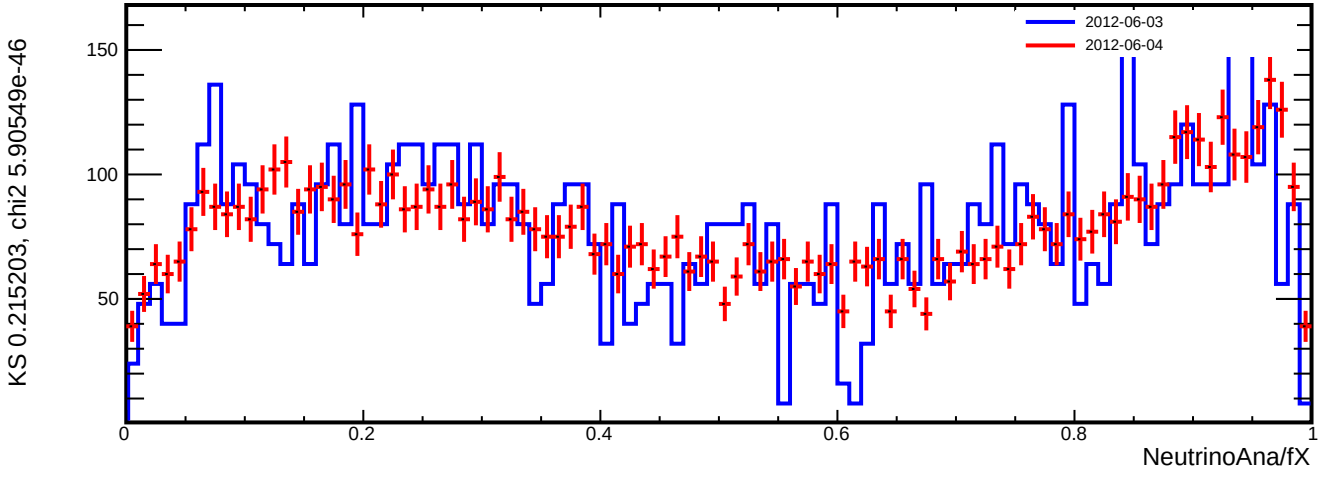

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fEDCosZ

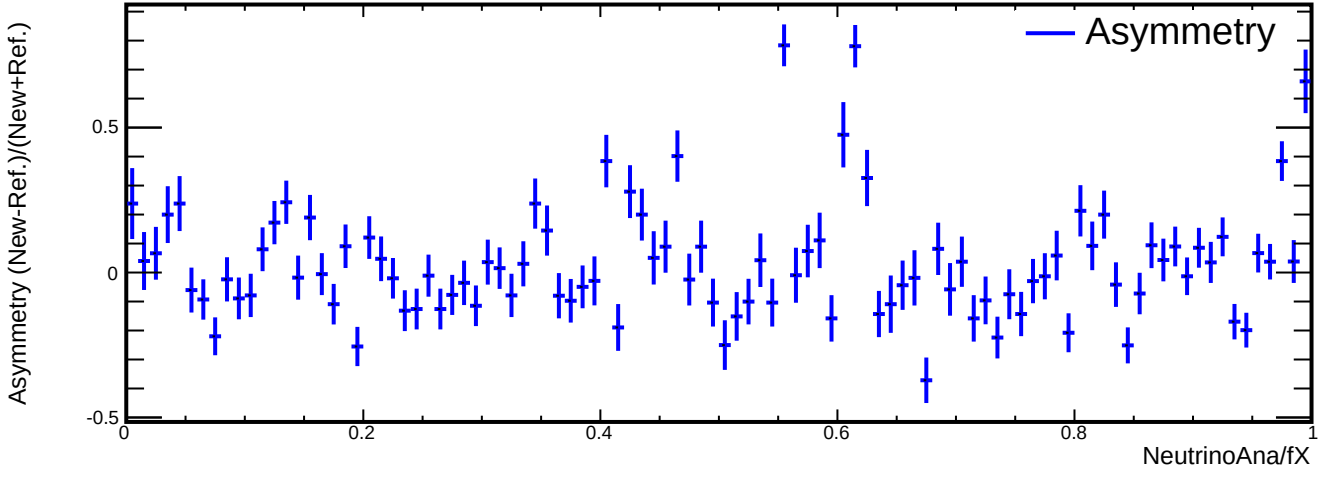

KS 0.000308354, chi2 3.01647e-56
2012-06-03
2012-06-04
400
300
200
100
0
-4
-2
0
2
4
NeutrinoAna/fECons

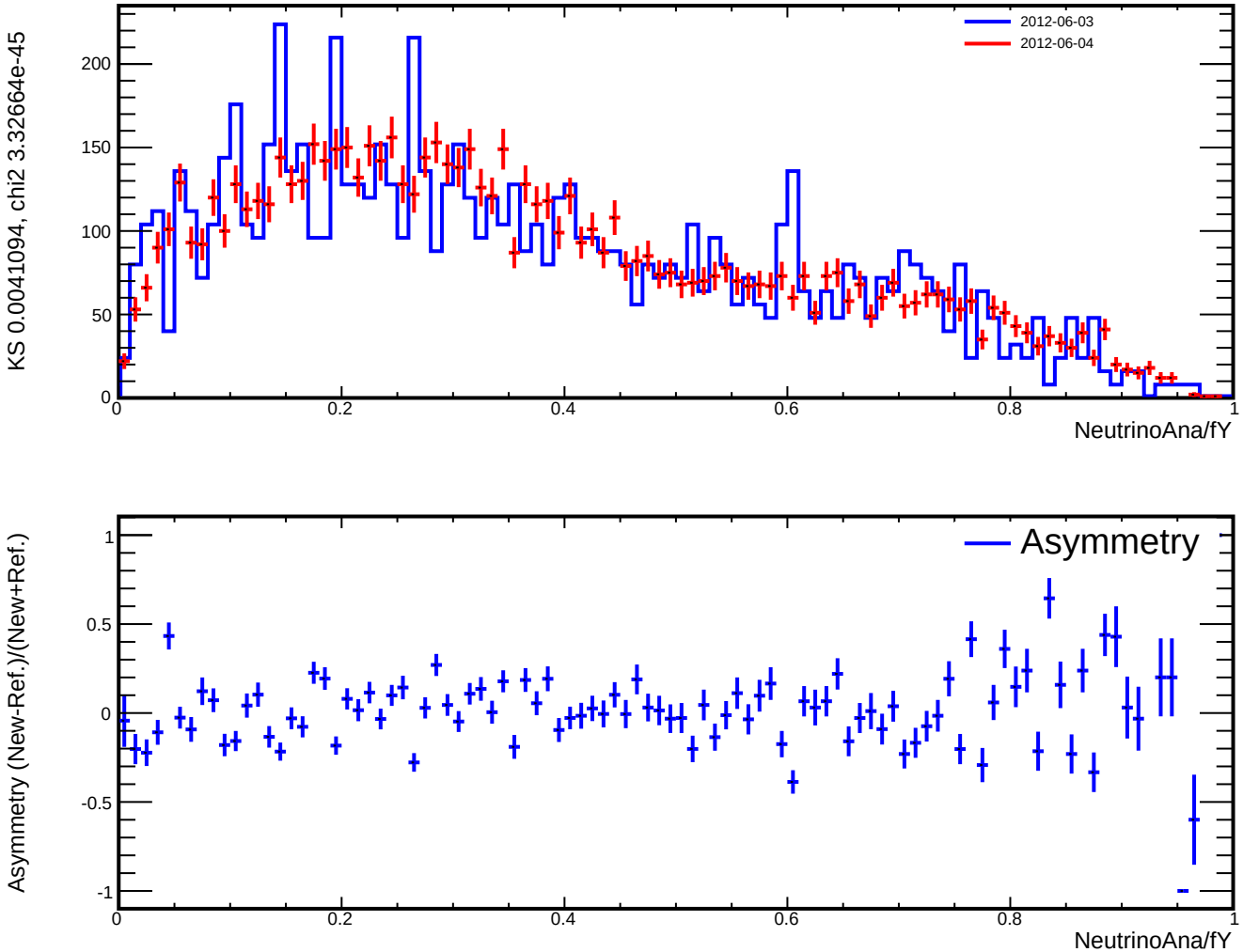

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-4
-2
0
2
4
NeutrinoAna/fECons

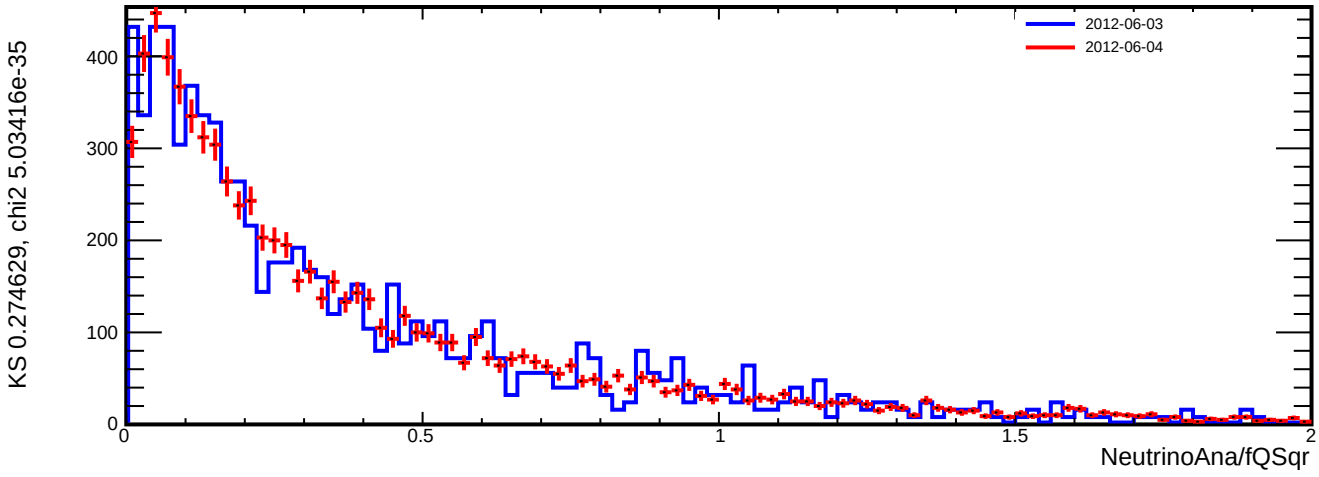

KS 0.406981, chi2 1.31053e-25
2012-06-03
2012-06-04
NeutrinoAna/fW

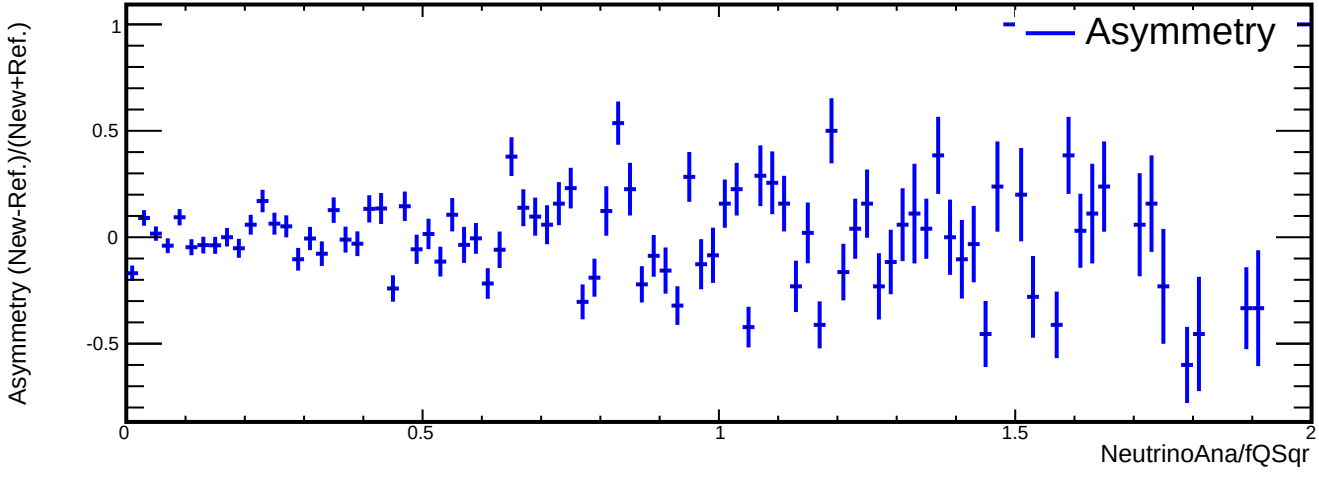

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fW

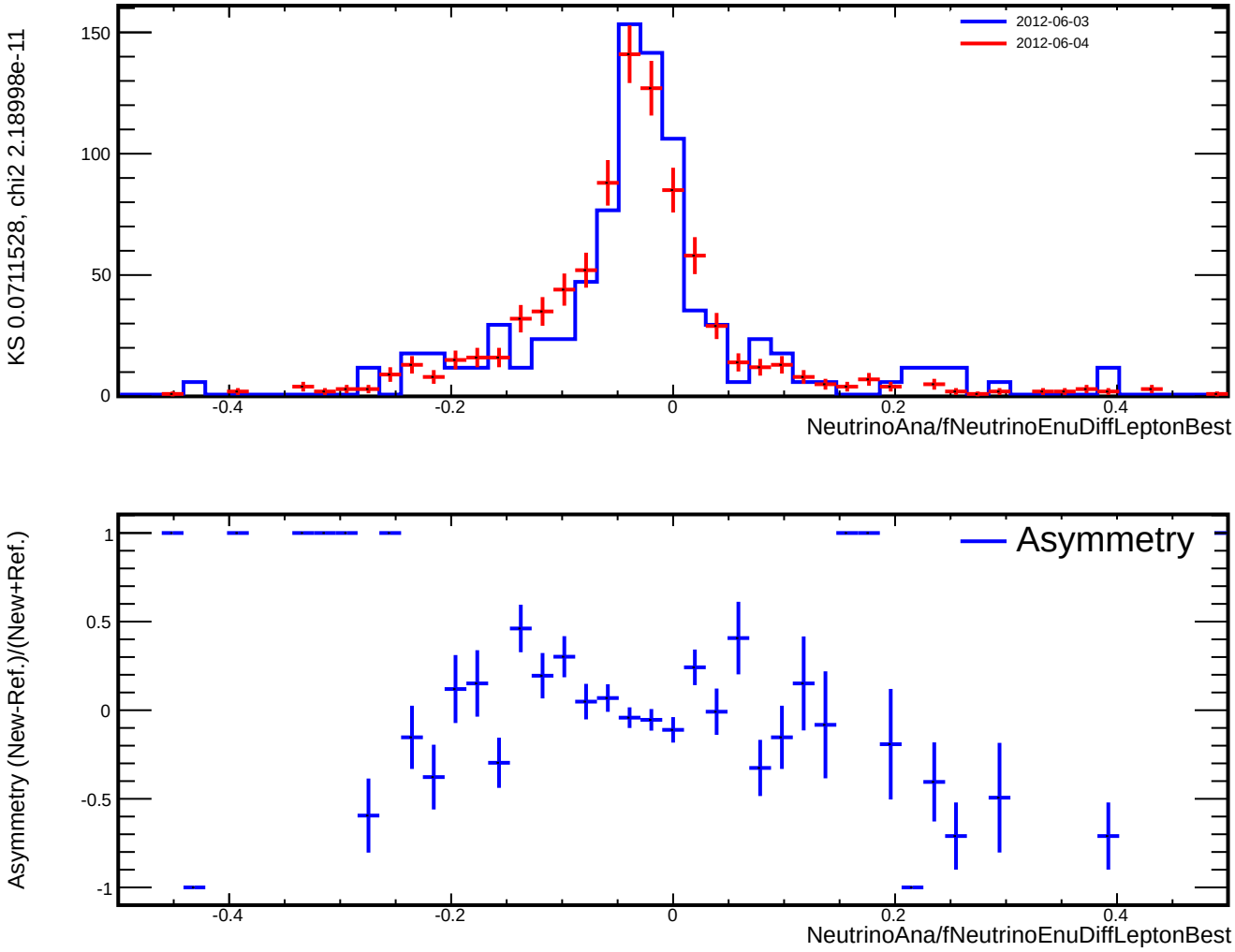

KS 0.215203, chi2 5.90549e-46
2012-06-03
2012-06-04
150
100
50
0
0.2
0.4
0.6
0.8
1
NeutrinoAna/fX

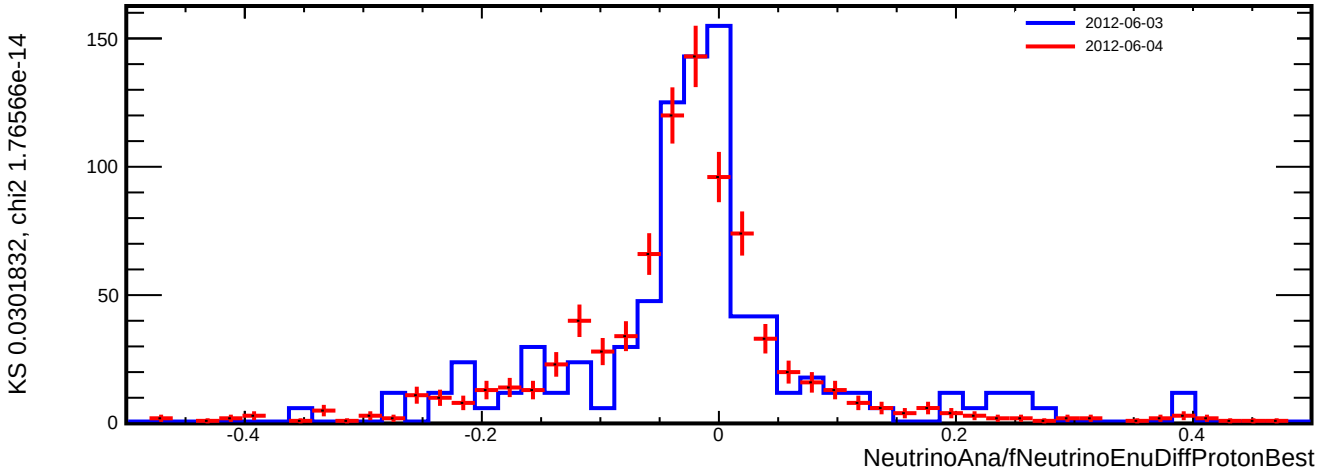

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
0
0.2
0.4
0.6
0.8
1
NeutrinoAna/fX

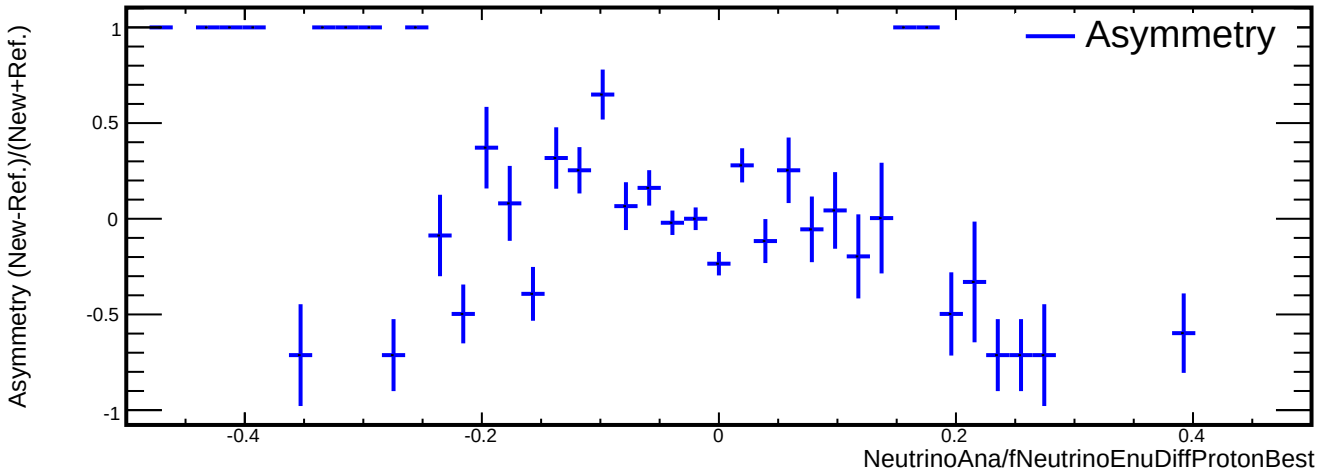

KS 0.0041094, chi2 3.32664e-45
2012-06-03
2012-06-04
NeutrinoAna/fY
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fY

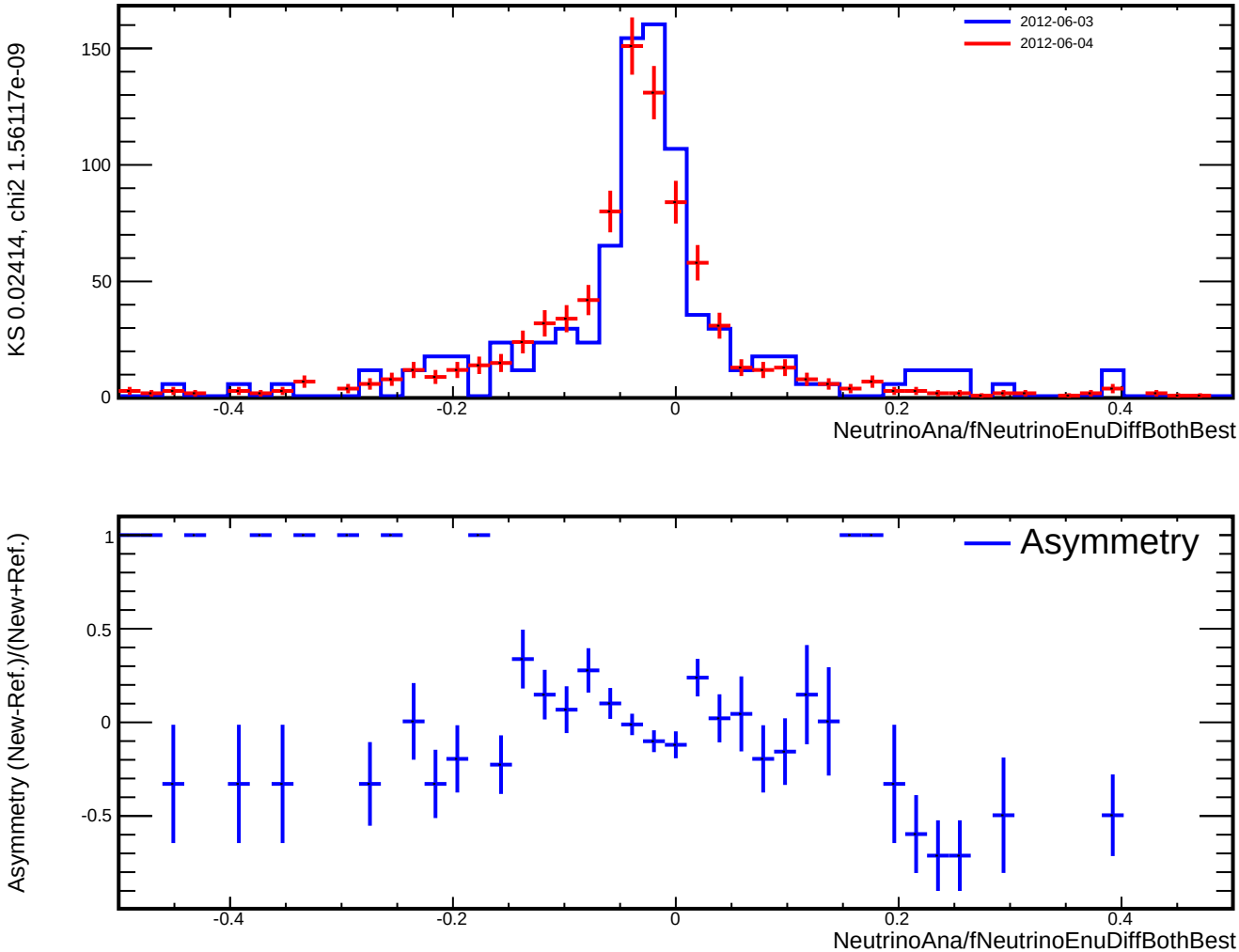

KS 0.274629, chi2 5.03416e-35
2012-06-03
2012-06-04
NeutrinoAna/fQSqr

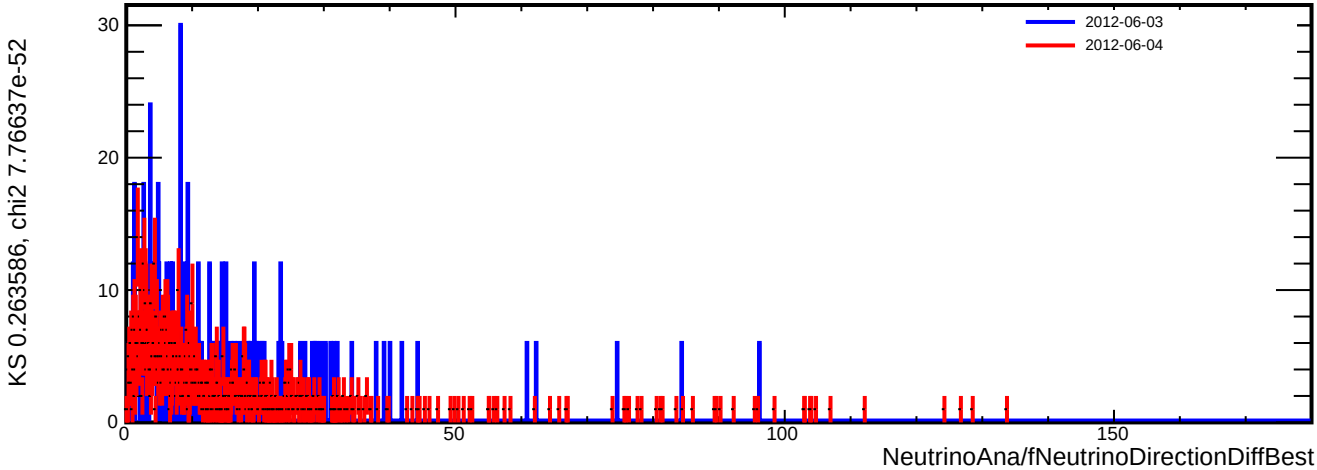

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fQSqr

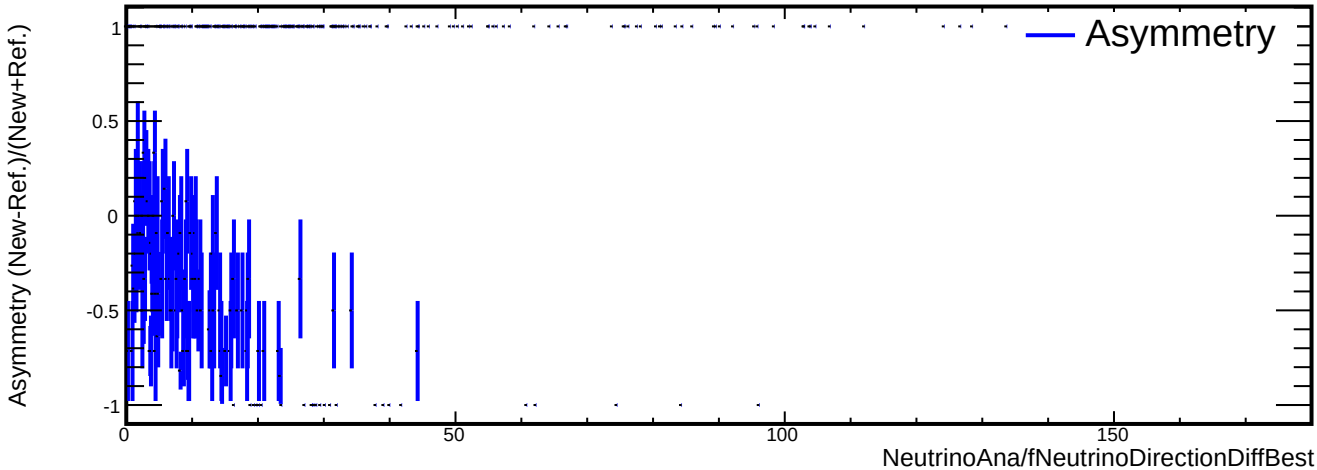

KS 0.0711528, chi2 2.18998e-11
150
100
50
0
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffLeptonBest
2012-06-03
2012-06-04
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffLeptonBest
Asymmetry

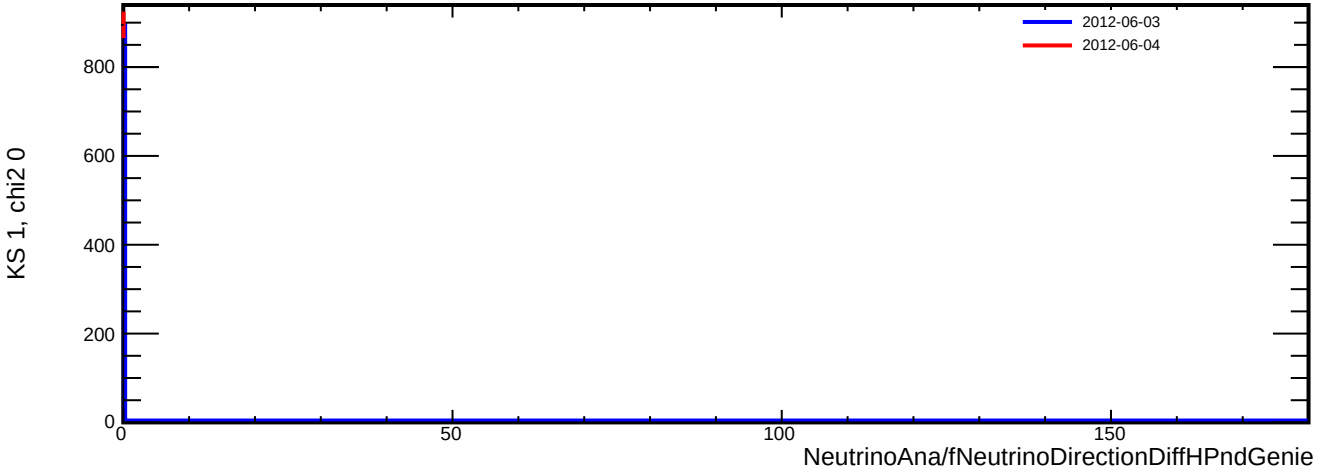

KS 0.0301832, chi2 1.76566e-14
150
100
50
0
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffProtonBest
2012-06-03
2012-06-04

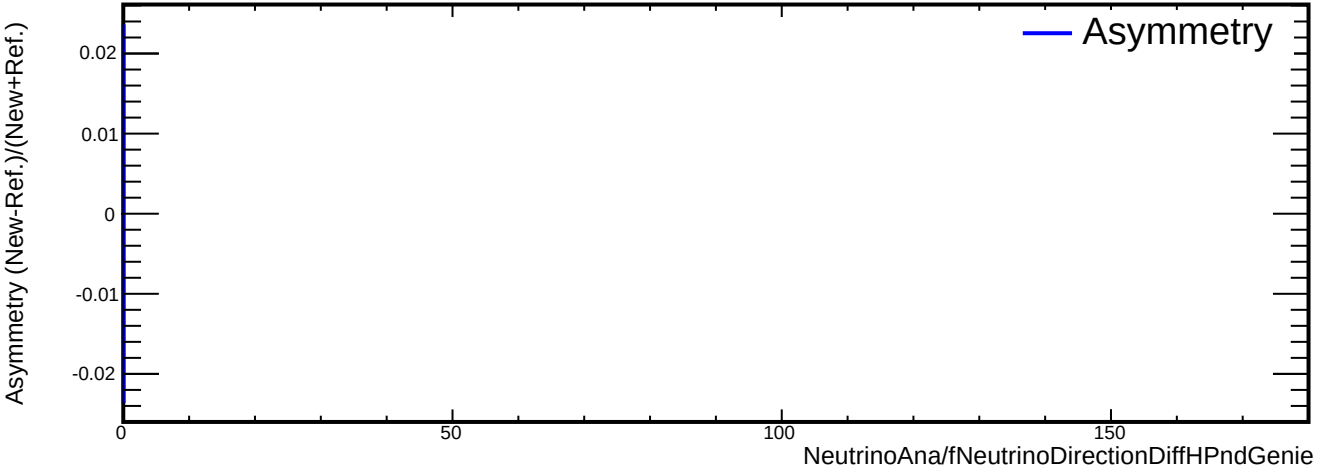

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffProtonBest
Asymmetry

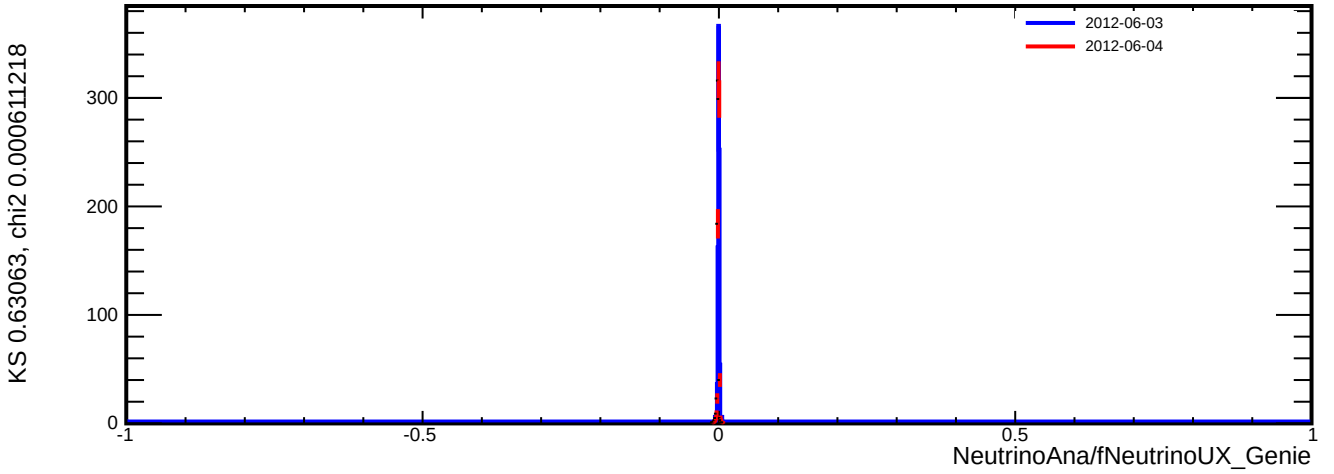

KS 0.02414, chi2 1.56117e-09
2012-06-03
2012-06-04
150
100
50
0
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffBothBest
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffBothBest

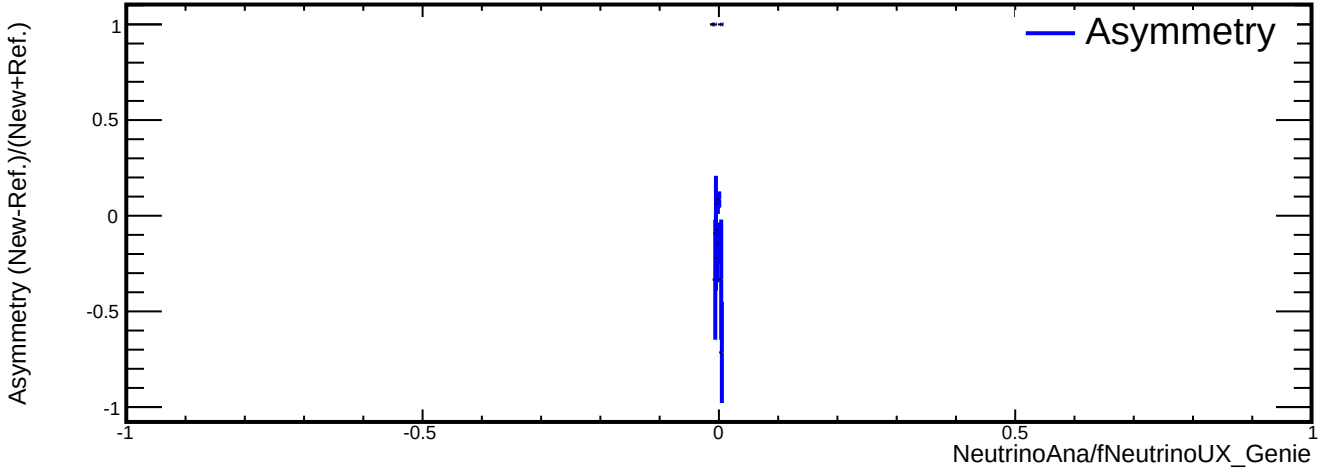

KS 0.263586, chi2 7.76637e-52
2012-06-03
2012-06-04
30
20
10
0
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffBest

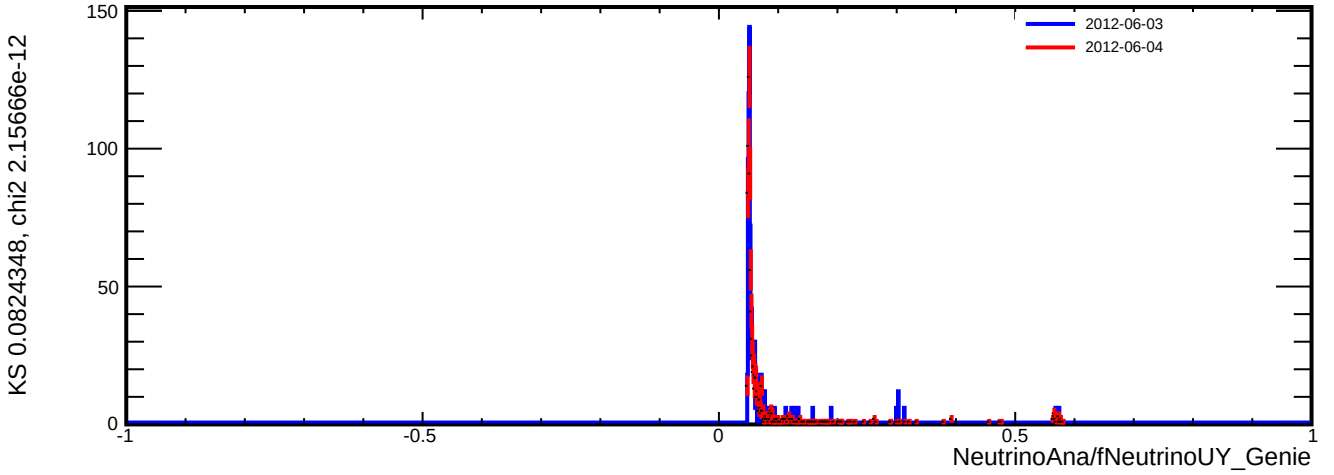

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffBest

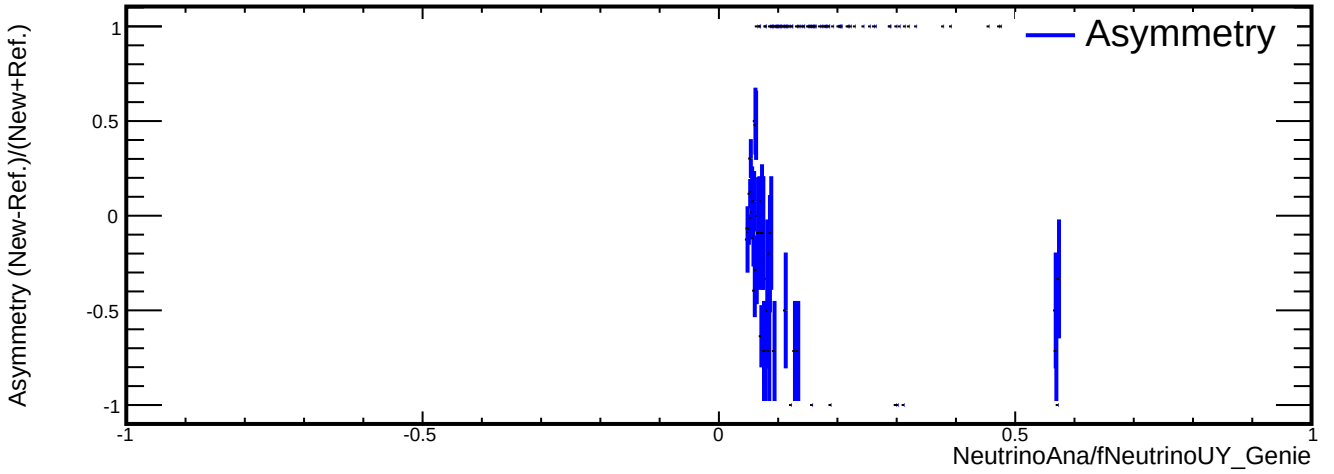

2012-06-03
2012-06-04
KS 1, chi2 0
800
600
400
200
0
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

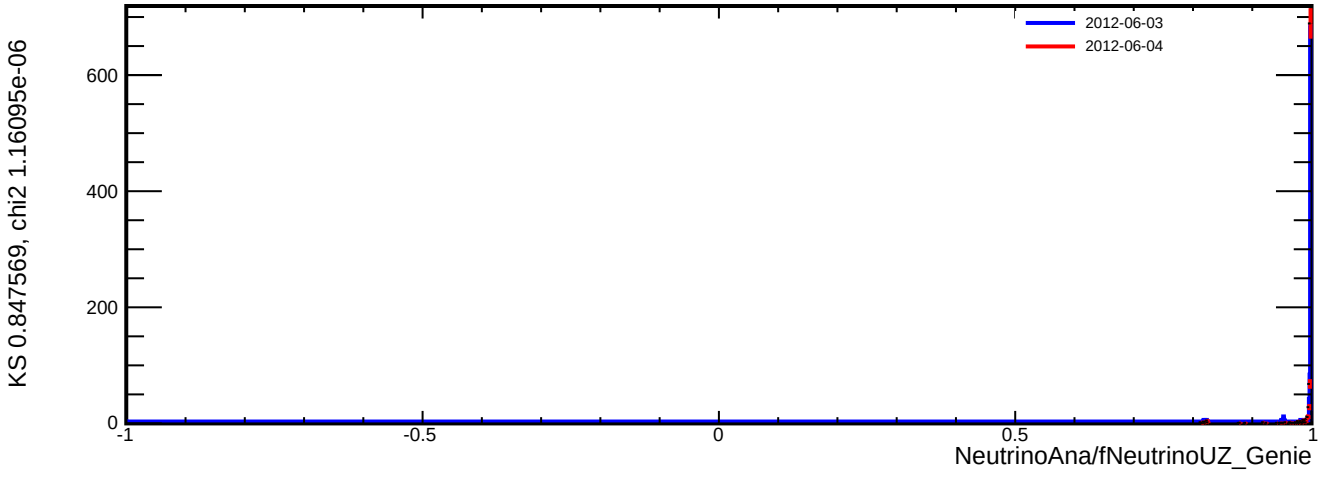

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0.01
0
-0.01
-0.02
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

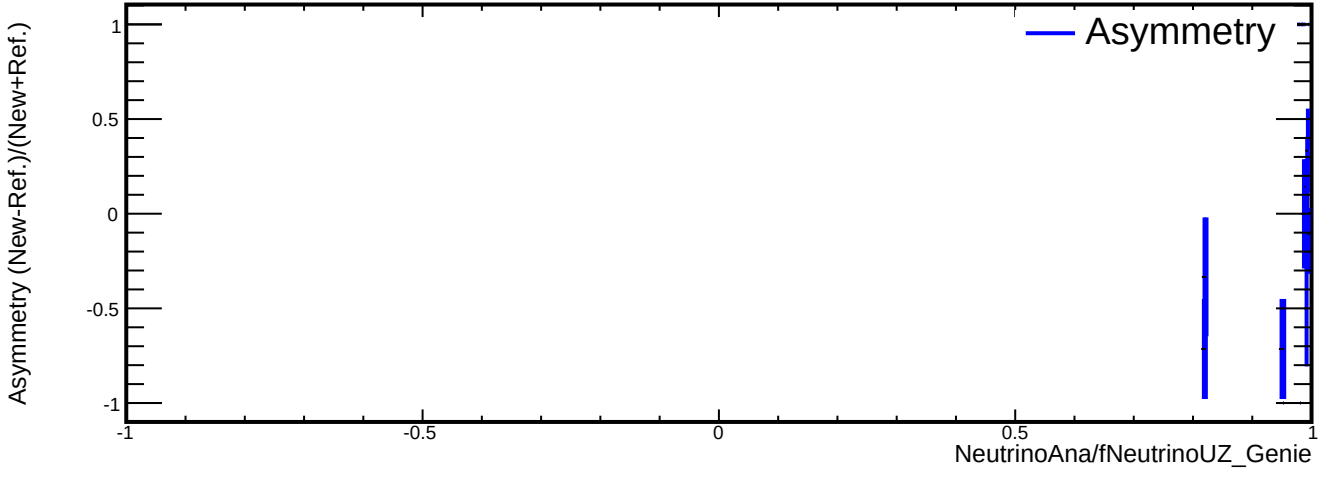

KS 0.63063, chi2 0.000611218
2012-06-03
2012-06-04
300
200
100
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_Genie

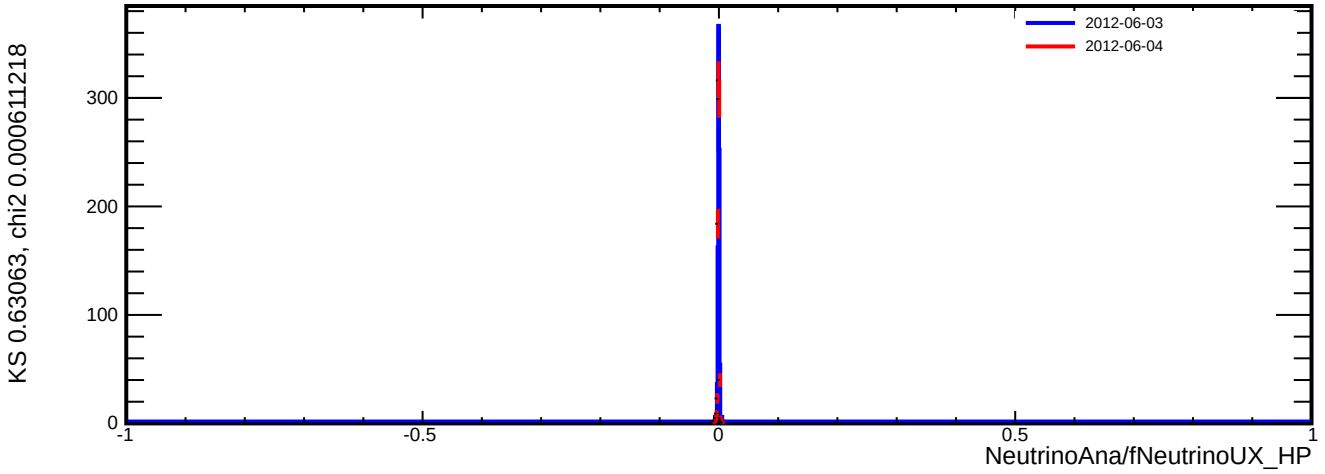

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_Genie

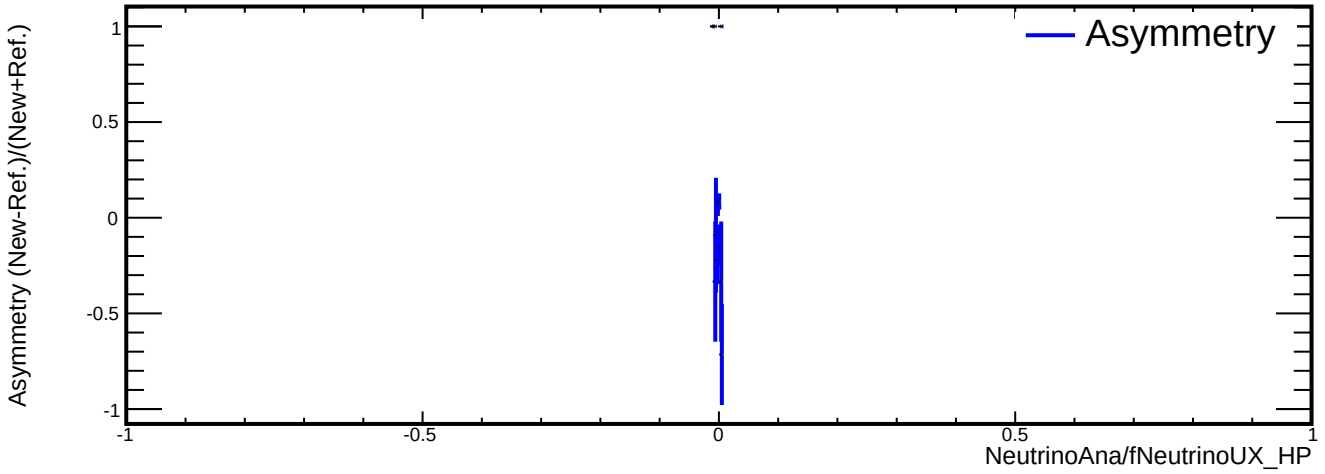

KS 0.0824348, chi2 2.15666e-12
150
100
50
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUY_Genie
2012-06-03
2012-06-04

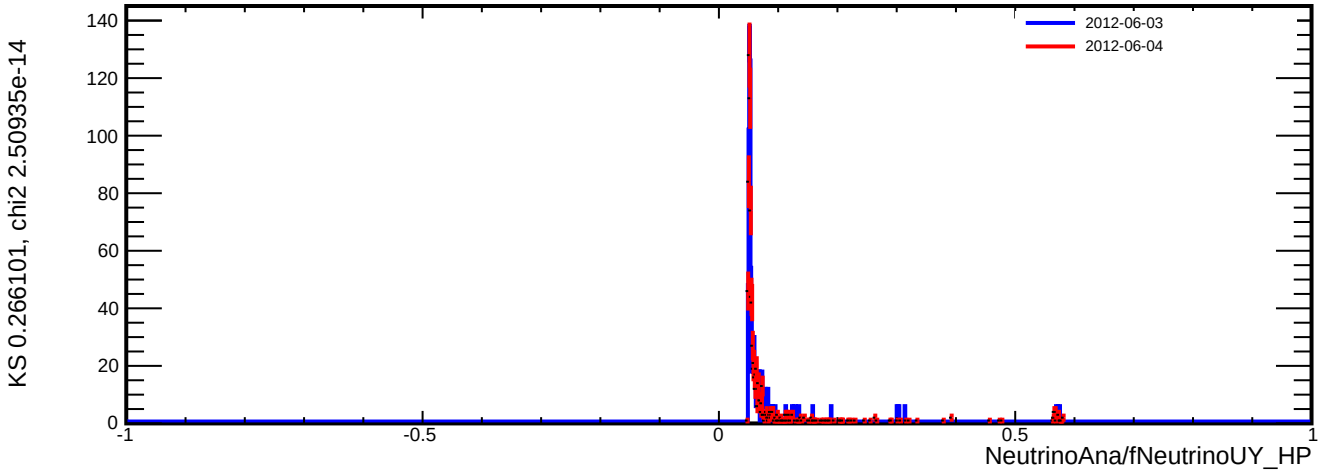

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUY_Genie
Asymmetry

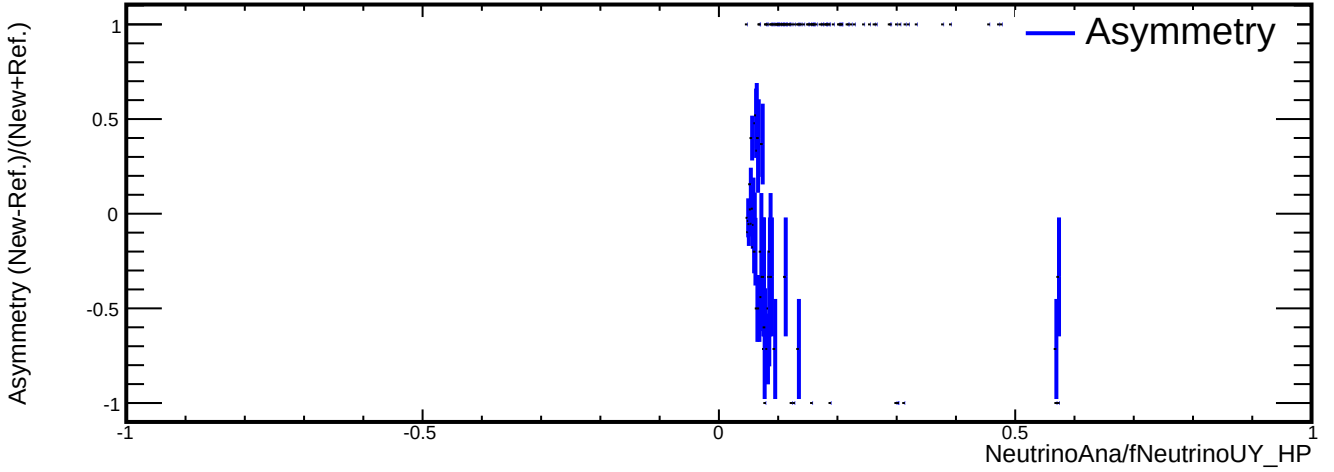

KS 0.847569, chi2 1.16095e-06
2012-06-03
2012-06-04
600
400
200
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_Genie

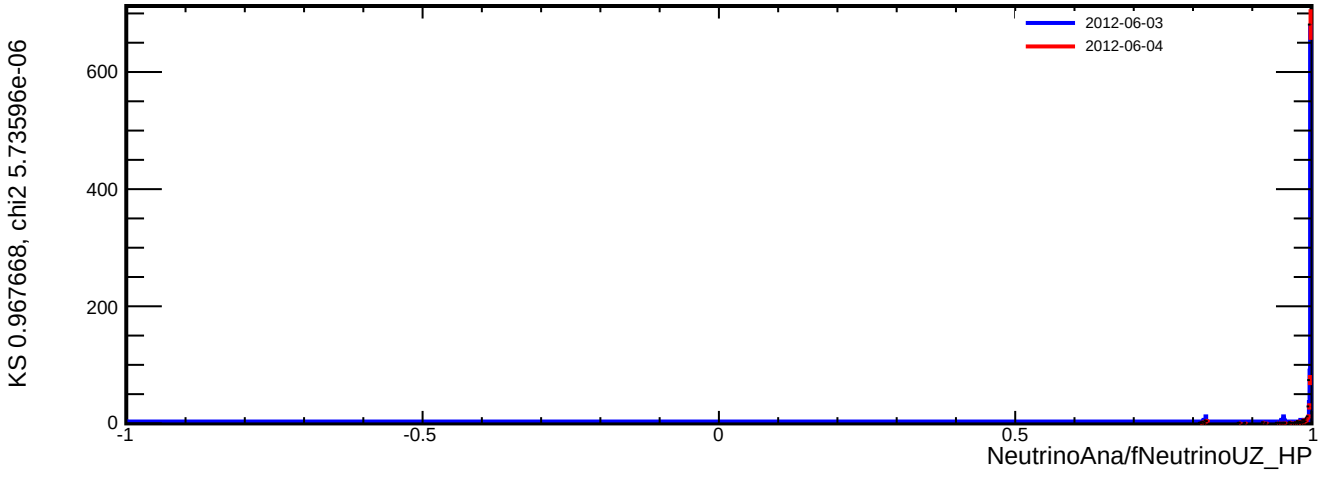

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_Genie

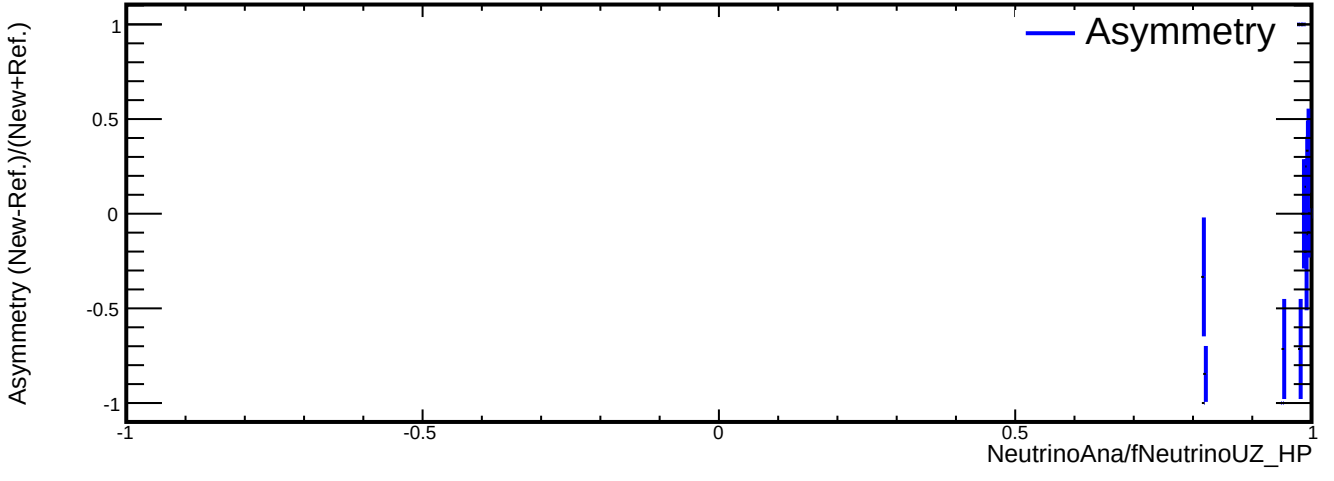

KS 0.63063, chi2 0.000611218
2012-06-03
2012-06-04
300
200
100
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_HP

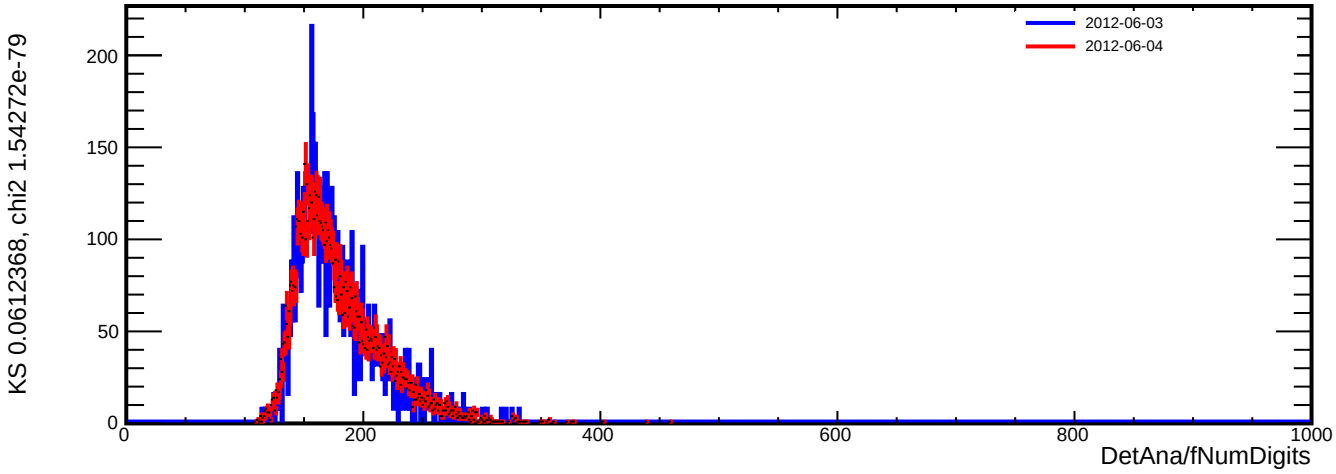

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_HP

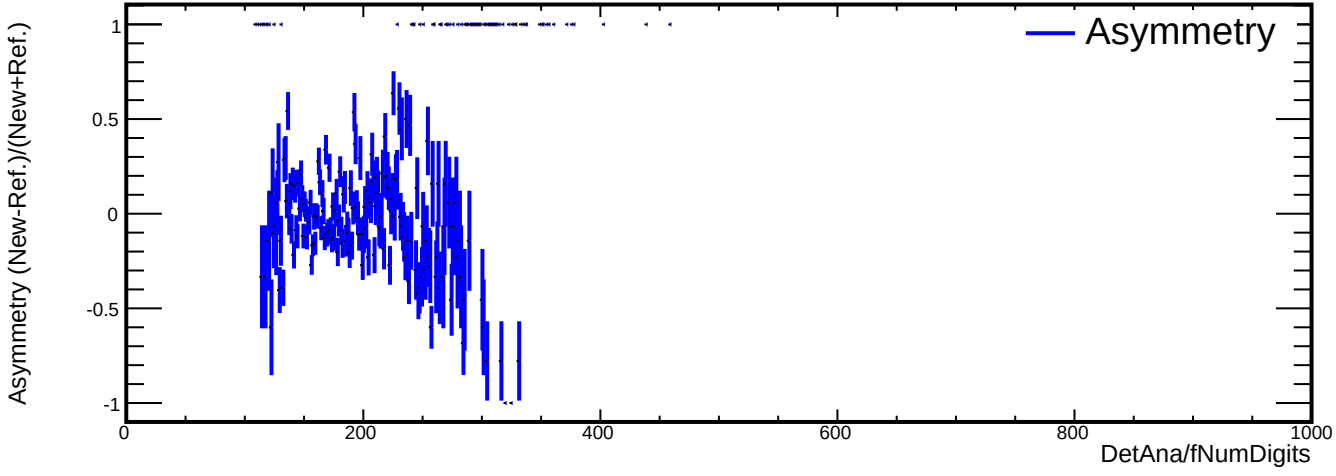

KS 0.266101, chi2 2.50935e-14
2012-06-03
2012-06-04
NeutrinoAna/fNeutrinoUY_HP

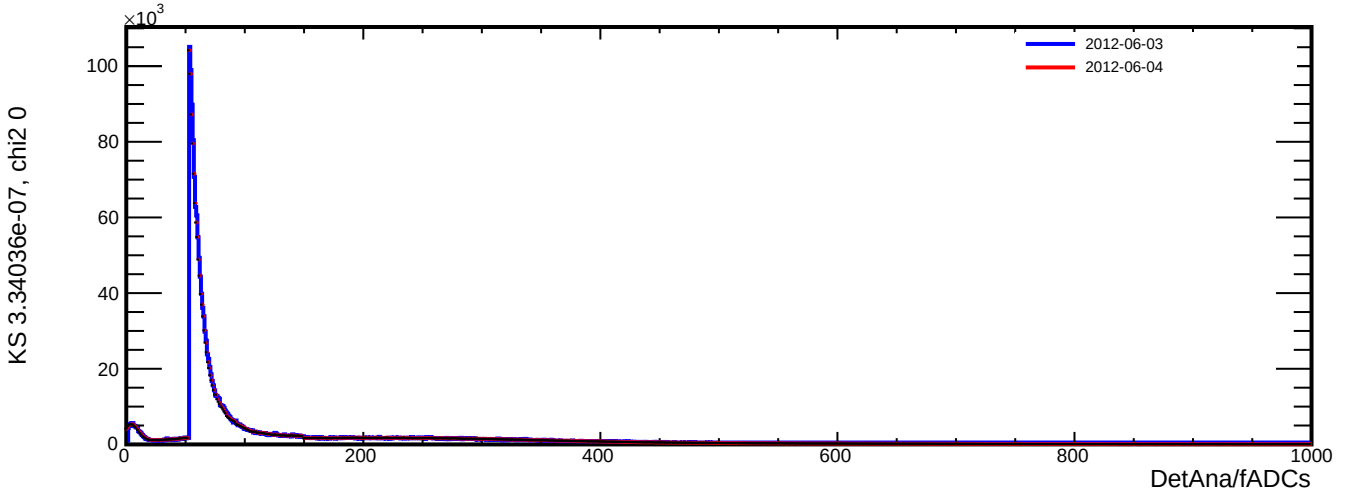

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fNeutrinoUY_HP

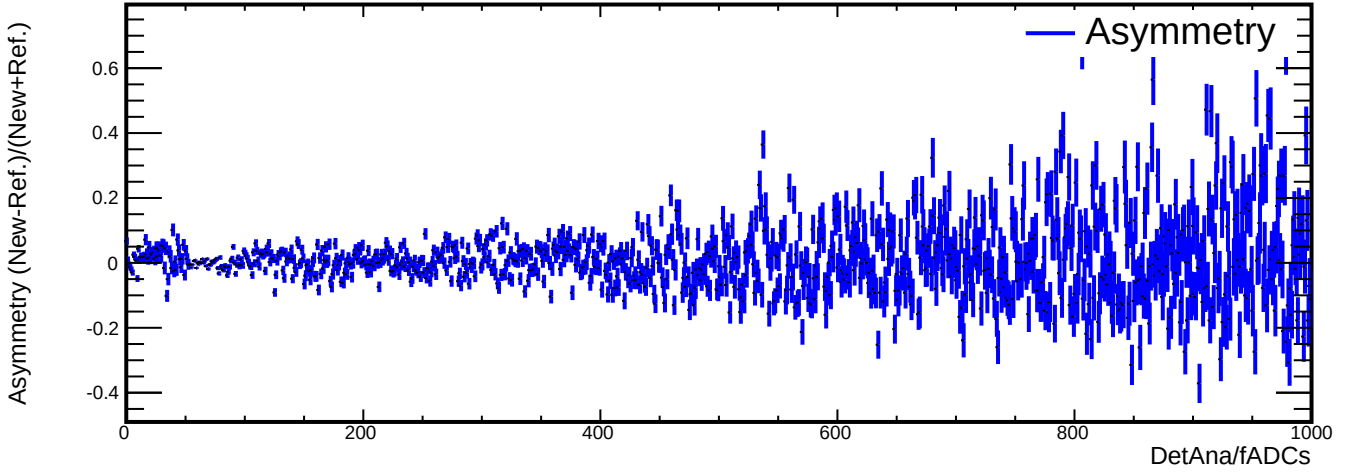

KS 0.967668, chi2 5.73596e-06
2012-06-03
2012-06-04
600
400
200
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_HP

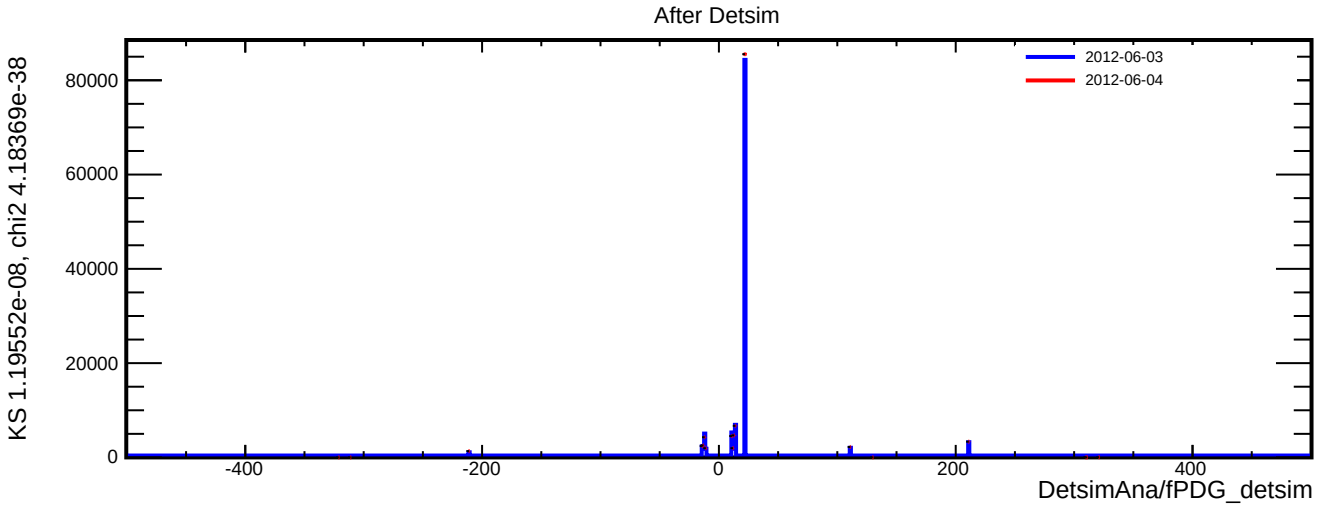

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_HP

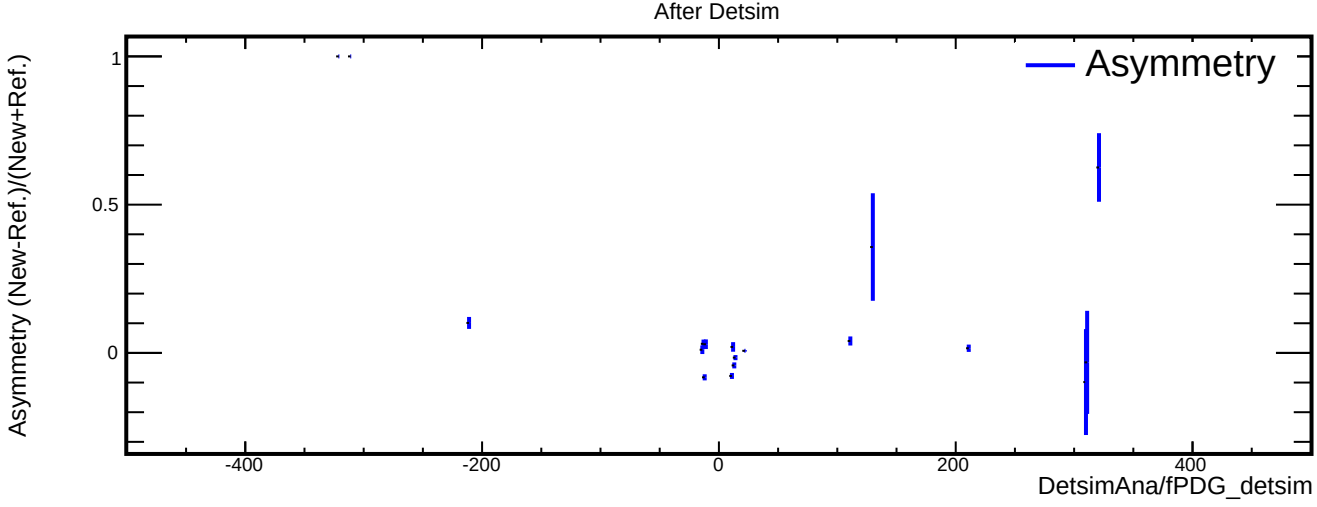

KS 0.0612368, chi2 1.54272e-79
2012-06-03
2012-06-04
0
50
100
150
200
0
200
400
600
800
1000
DetAna/fNumDigits

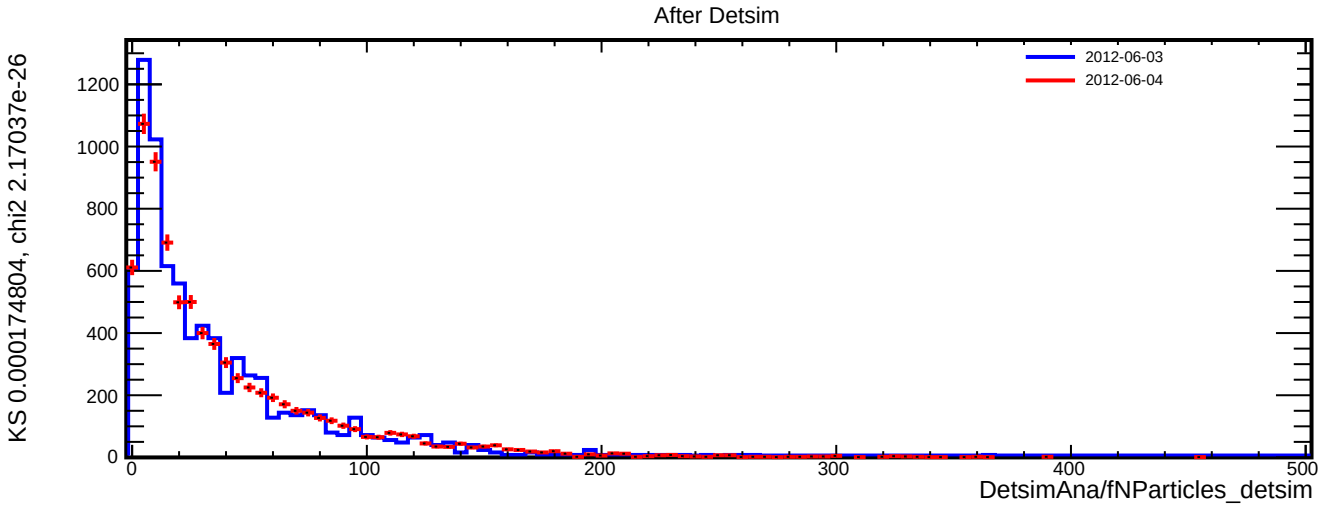

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
1000
DetAna/fNumDigits

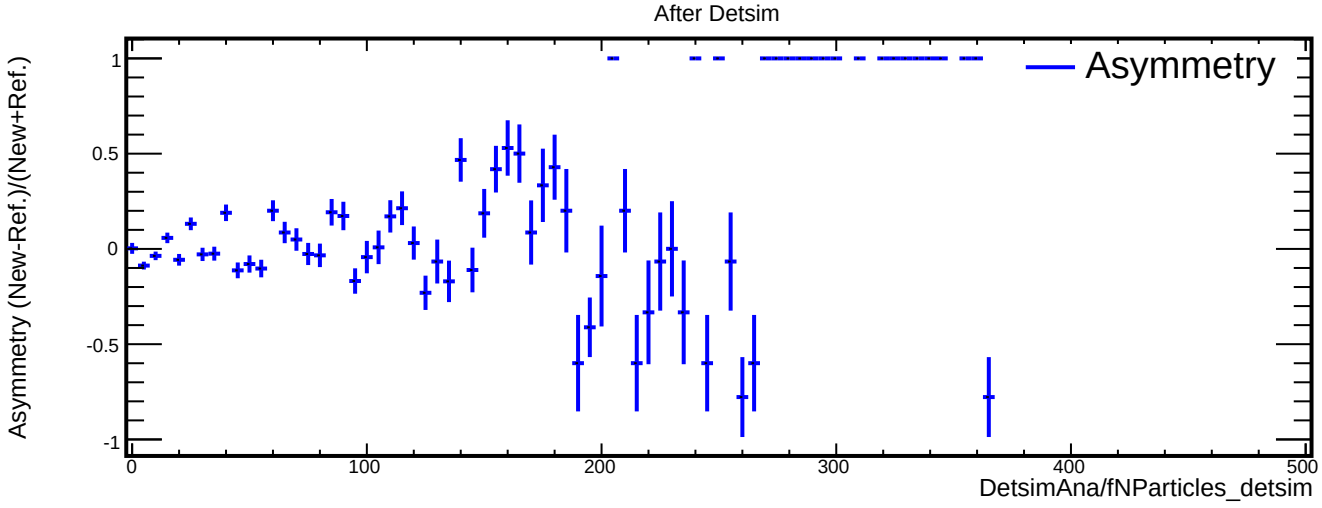

×10^3
100
80
60
40
20
0
0
200
400
600
800
1000
KS 3.34036e-07, chi2 0
DetAna/fADCs
2012-06-03
2012-06-04

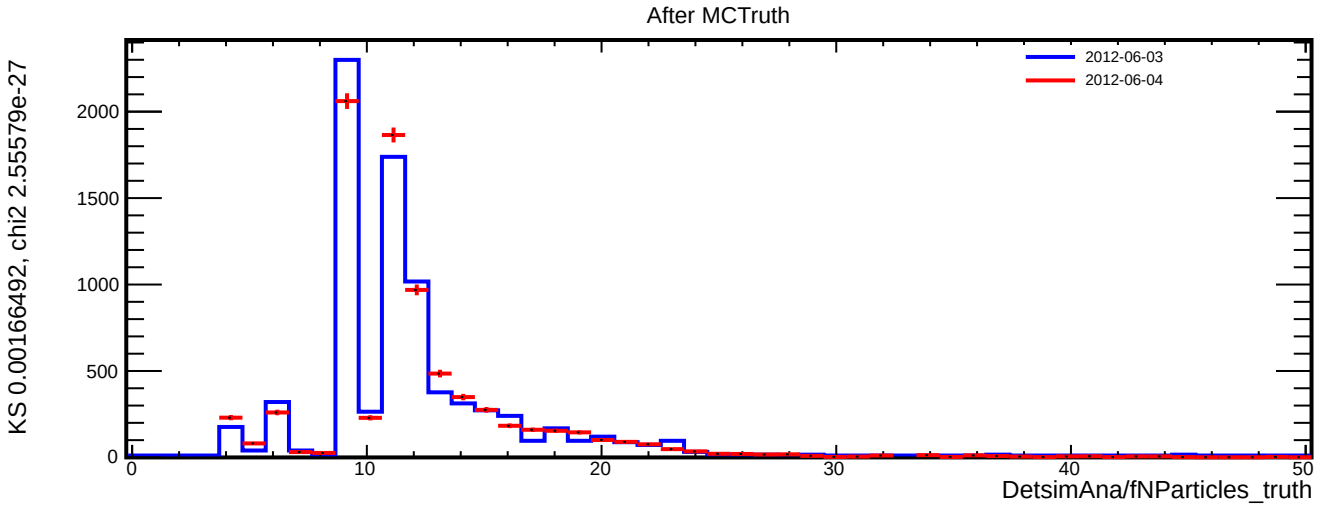

0.6
0.4
0.2
0
-0.2
-0.4
0
200
400
600
800
1000
Asymmetry (New-Ref.)/(New+Ref.)
DetAna/fADCs
Asymmetry

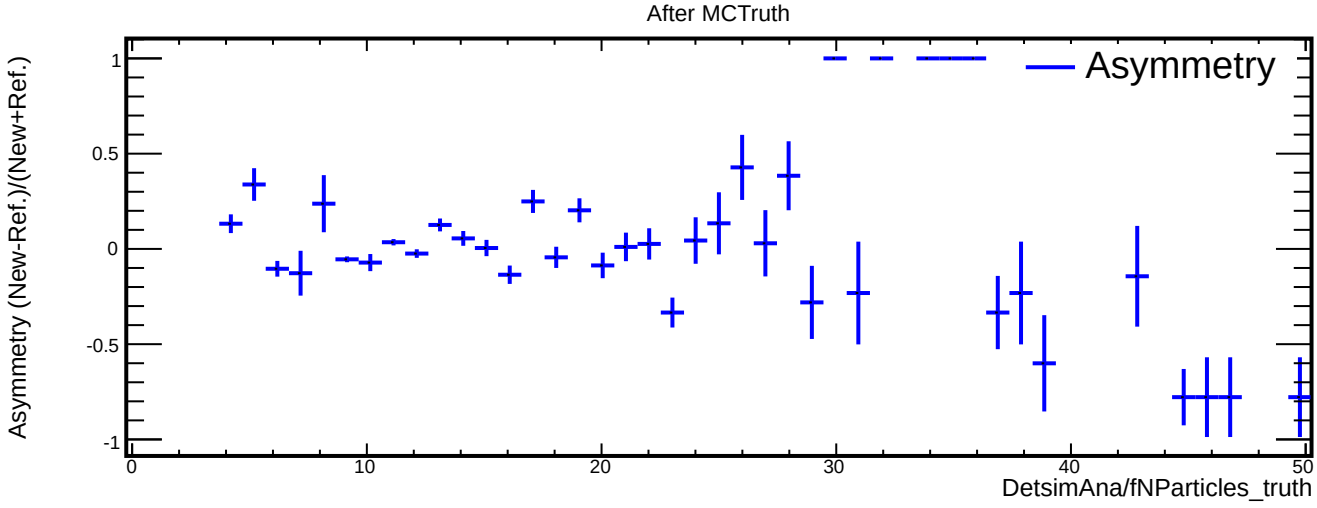

After Detsim
KS 1.19552e-08, chi2 4.18369e-38
80000
60000
40000
20000
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim
2012-06-03
2012-06-04

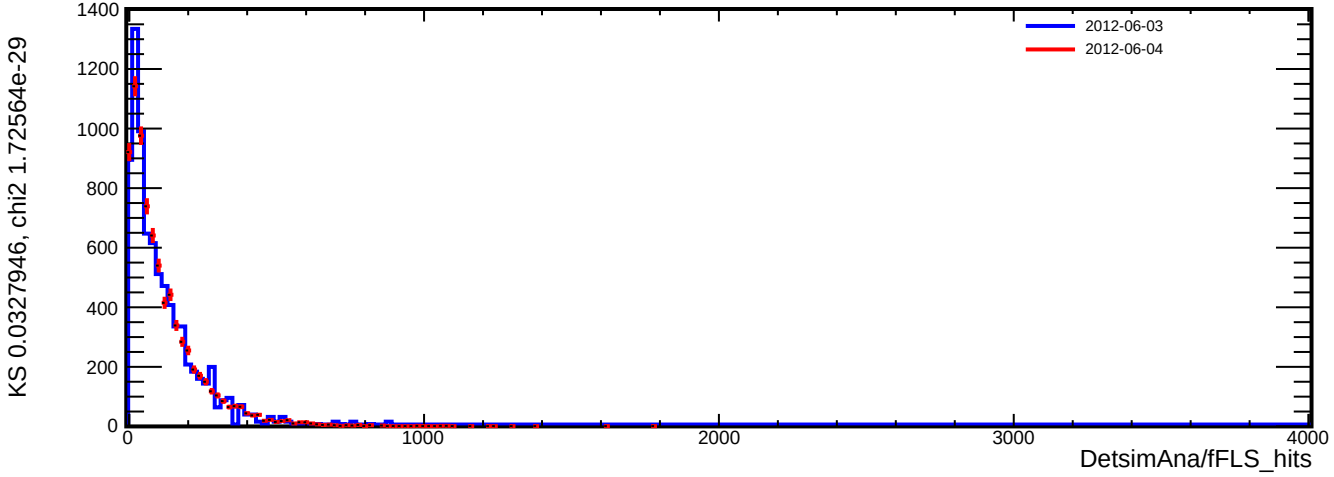

After Detsim
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim
Asymmetry

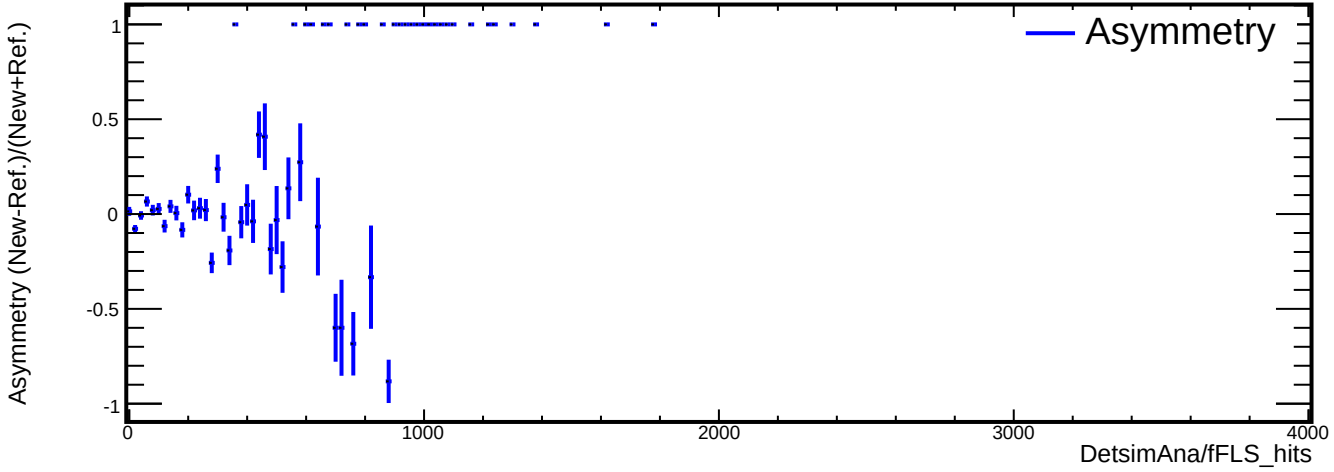

After Detsim
KS 0.000174804, chi2 2.17037e-26
2012-06-03
2012-06-04
DetsimAna/fNParticles_detsim

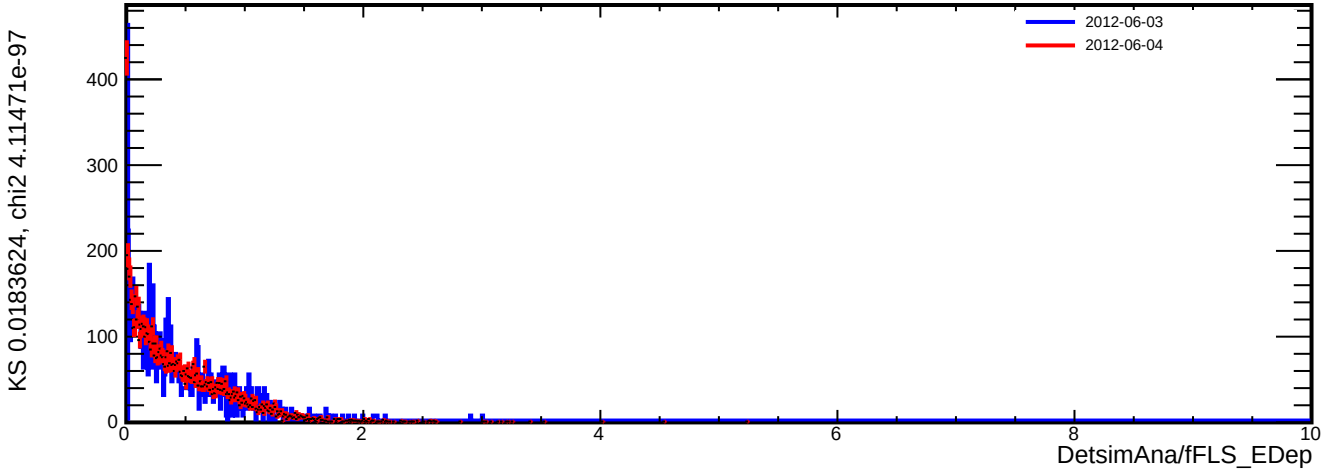

After Detsim
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
DetsimAna/fNParticles_detsim

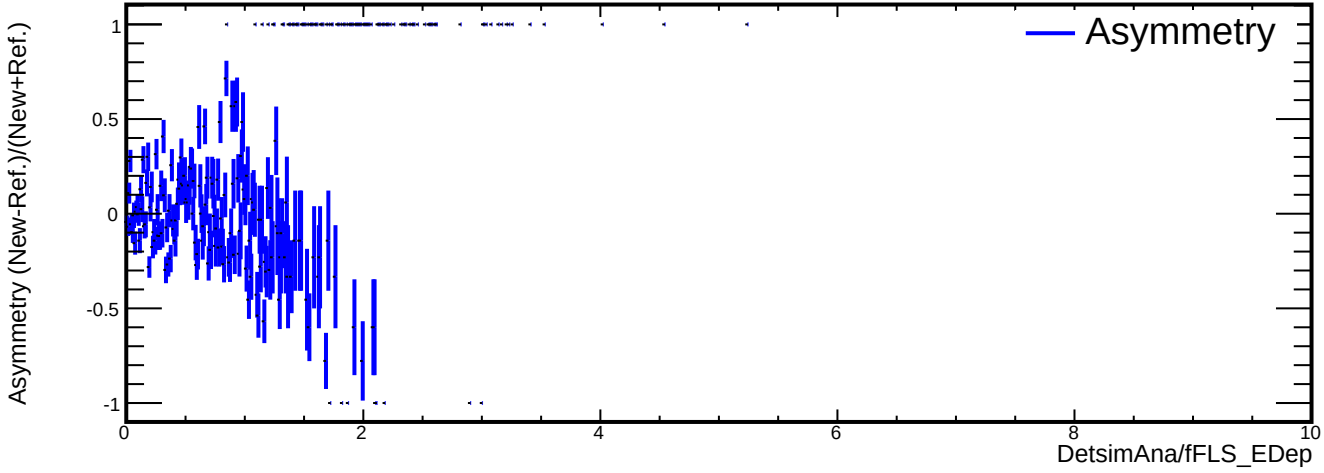

After MCTruth
KS 0.00166492, chi2 2.55579e-27
2012-06-03
2012-06-04
2000
1500
1000
500
0
0
10
20
30
40
50
DetsimAna/fNParticles_truth

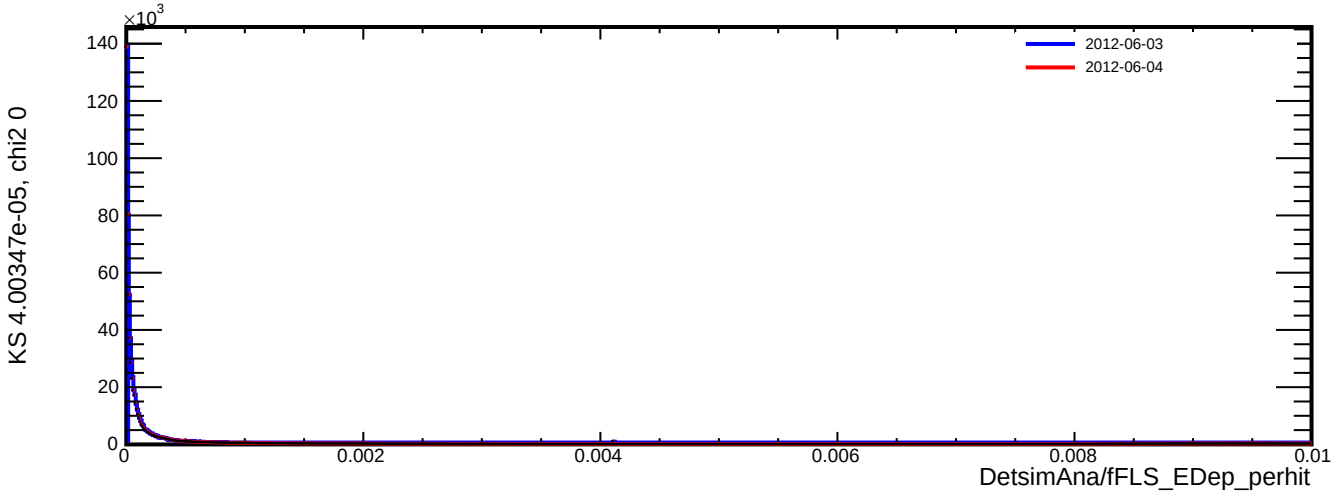

After MCTruth
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
DetsimAna/fNParticles_truth

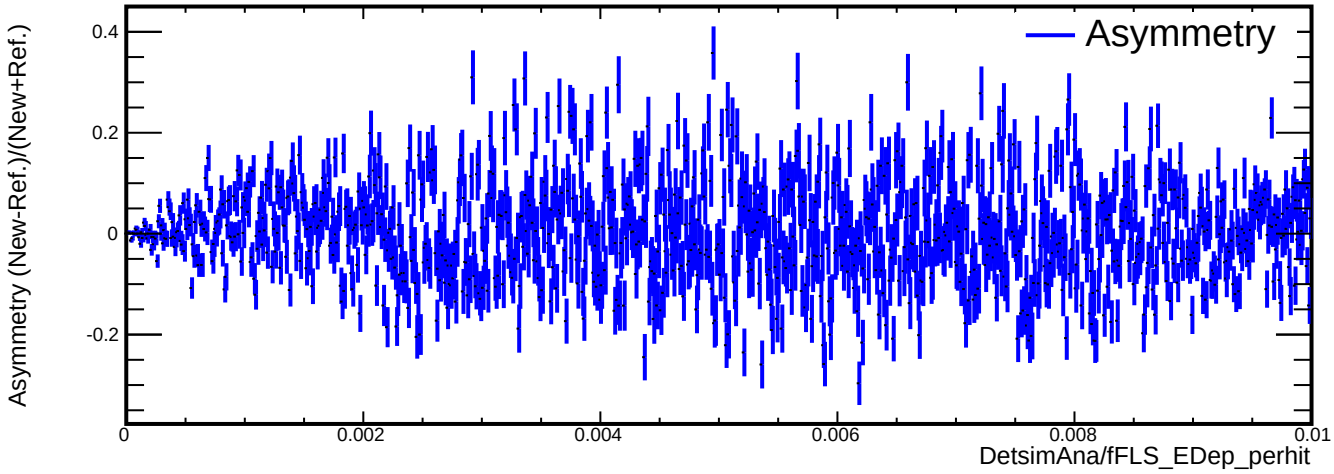

KS 0.0327946, chi2 1.72564e-29
2012-06-03
2012-06-04
DetsimAna/fFLS_hits

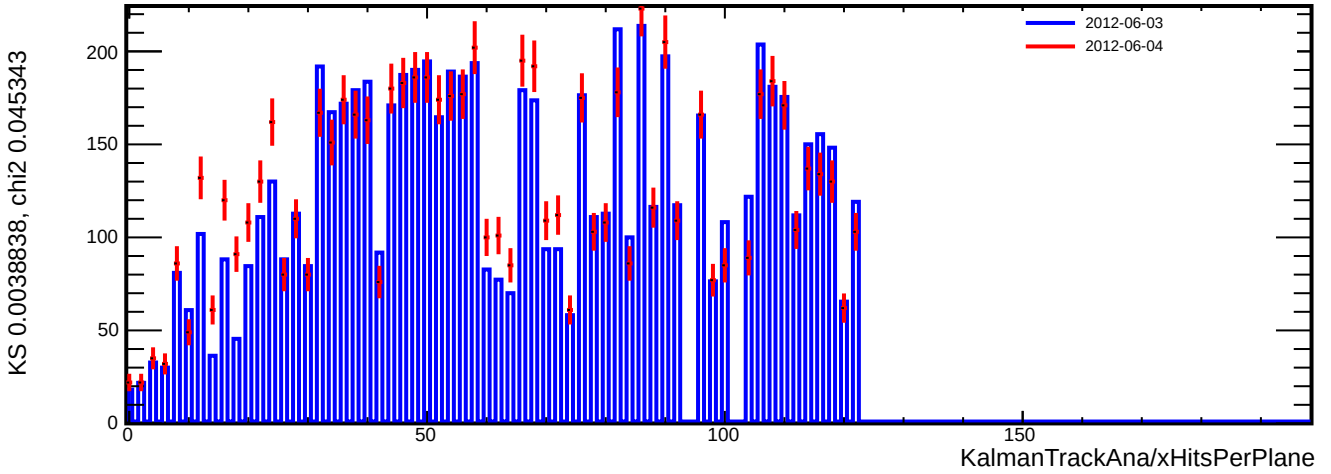

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
DetsimAna/fFLS_hits

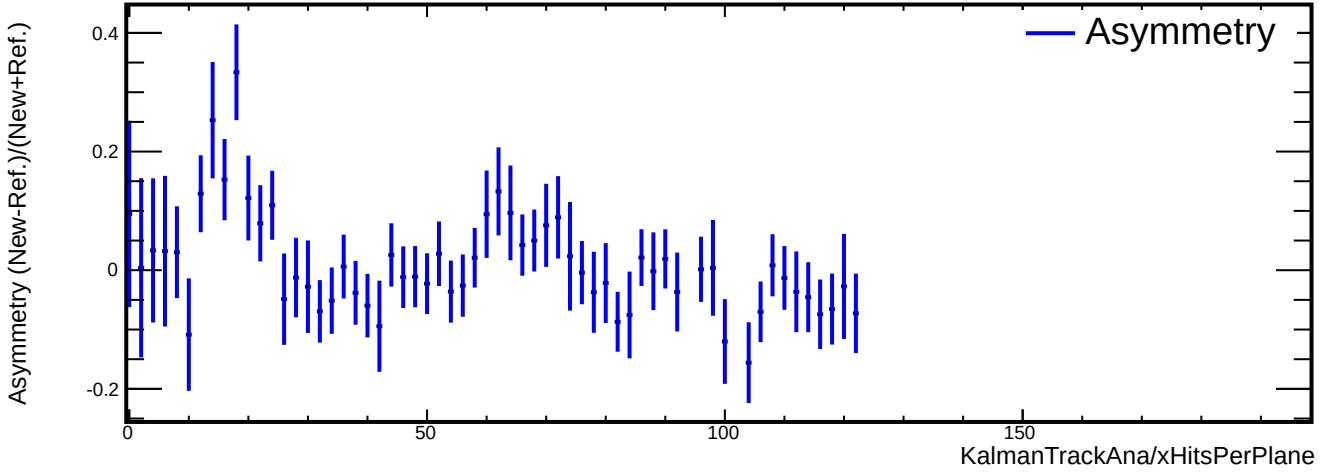

KS 0.0183624, chi2 4.11471e-97
2012-06-03
2012-06-04
400
300
200
100
0
0
2
4
6
8
10
DetsimAna/fFLS_EDep

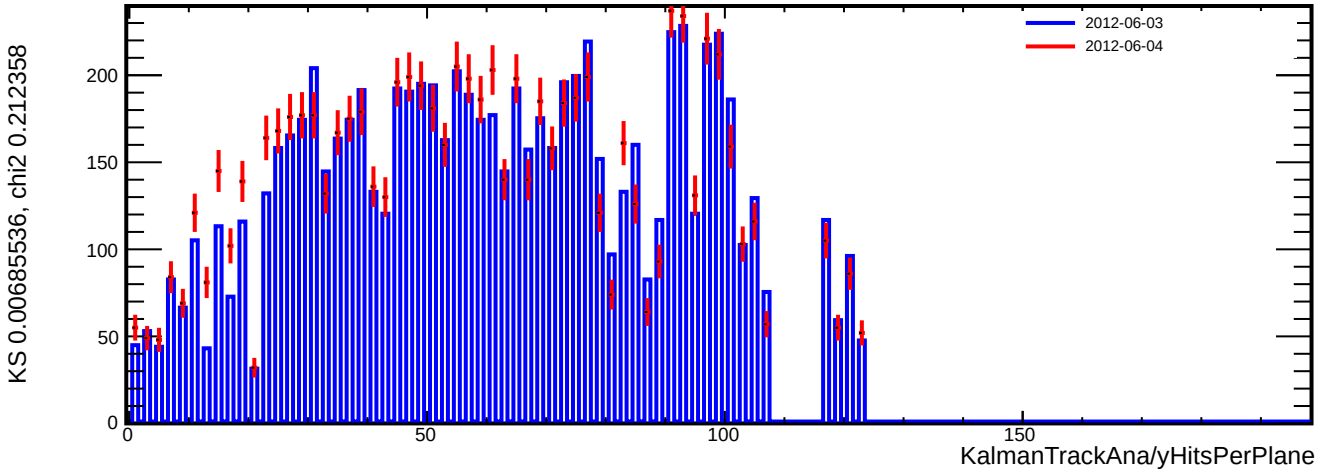

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2
4
6
8
10
DetsimAna/fFLS_EDep

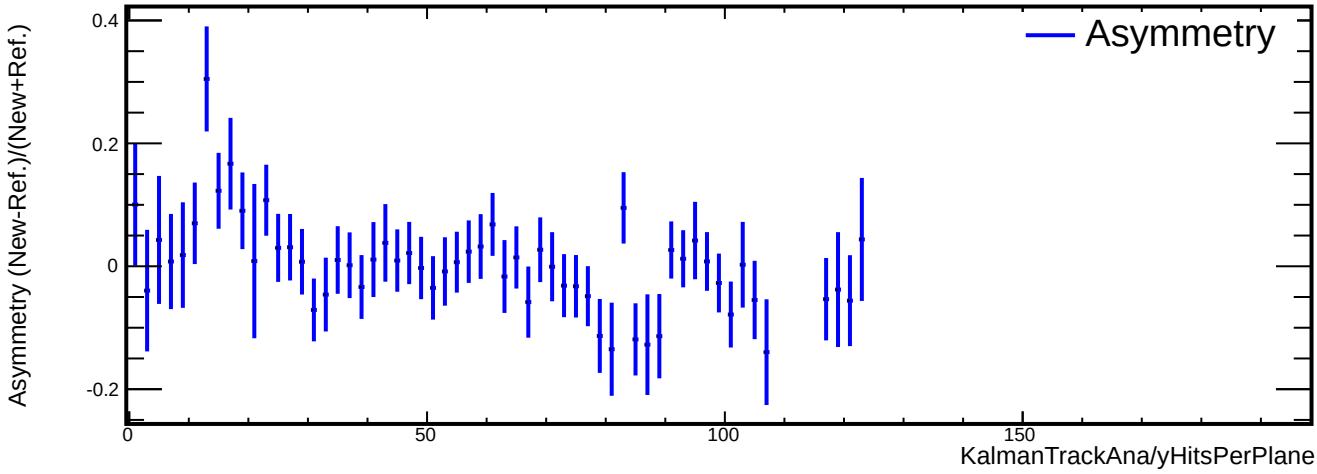

×10^3
140
120
100
80
60
40
20
0
0
0.002
0.004
0.006
0.008
0.01
2012-06-03
2012-06-04
KS 4.00347e-05, chi2 0
DetsimAna/fFLS_EDep_perhit

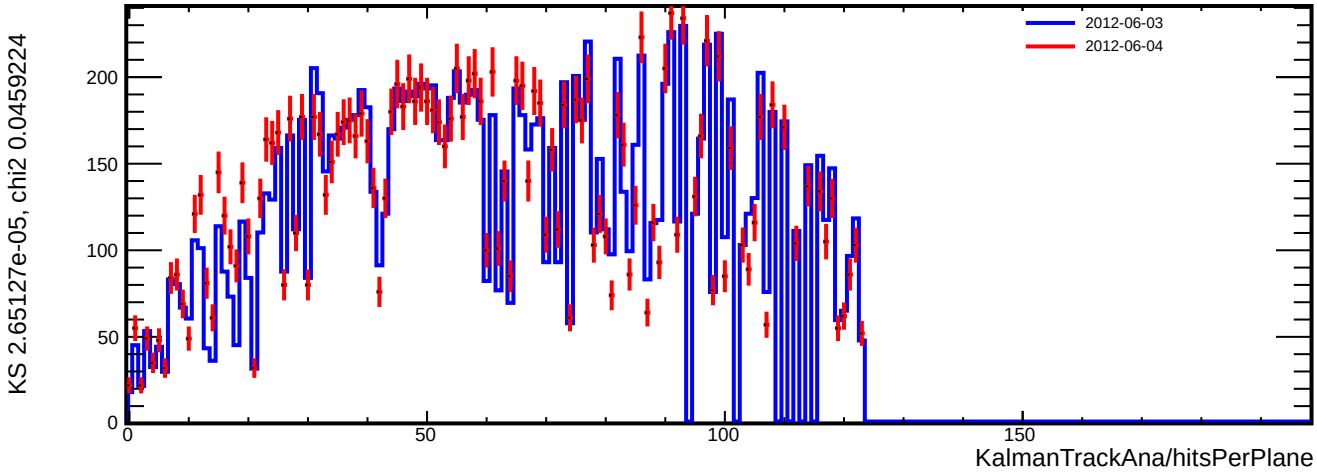

0.4
0.2
0
-0.2
0
0.002
0.004
0.006
0.008
0.01
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
DetsimAna/fFLS_EDep_perhit

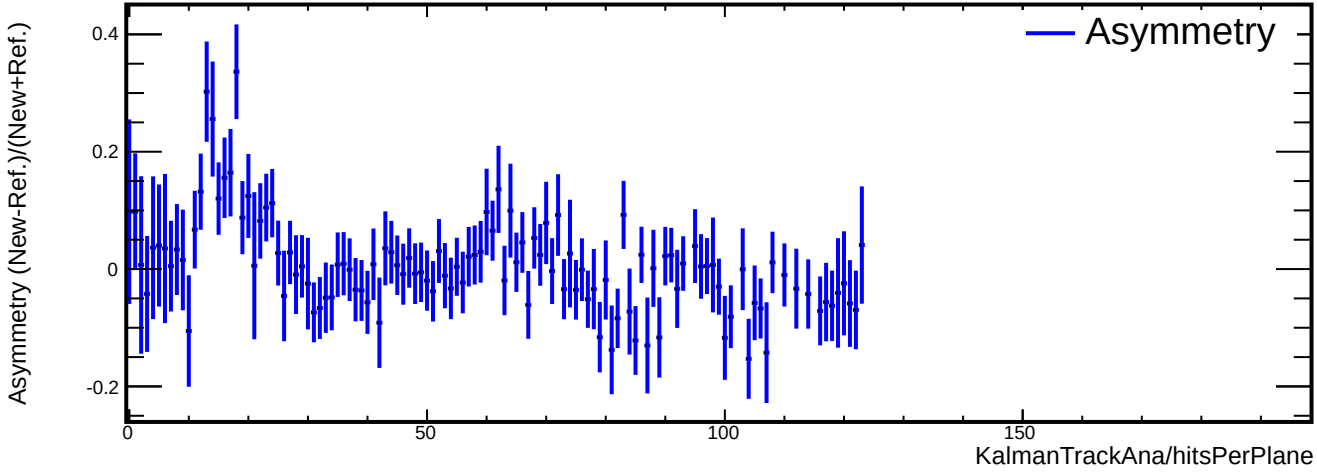

KS 0.0038838, chi2 0.045343
2012-06-03
2012-06-04
0
50
100
150
200
0
50
100
150
KalmanTrackAna/xHitsPerPlane

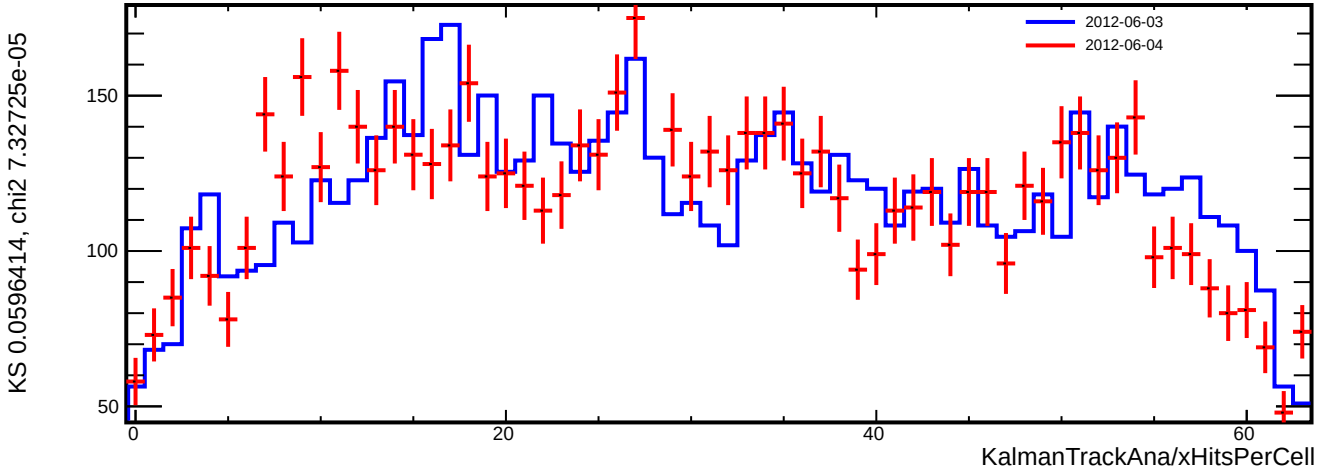

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
0
50
100
150
KalmanTrackAna/xHitsPerPlane

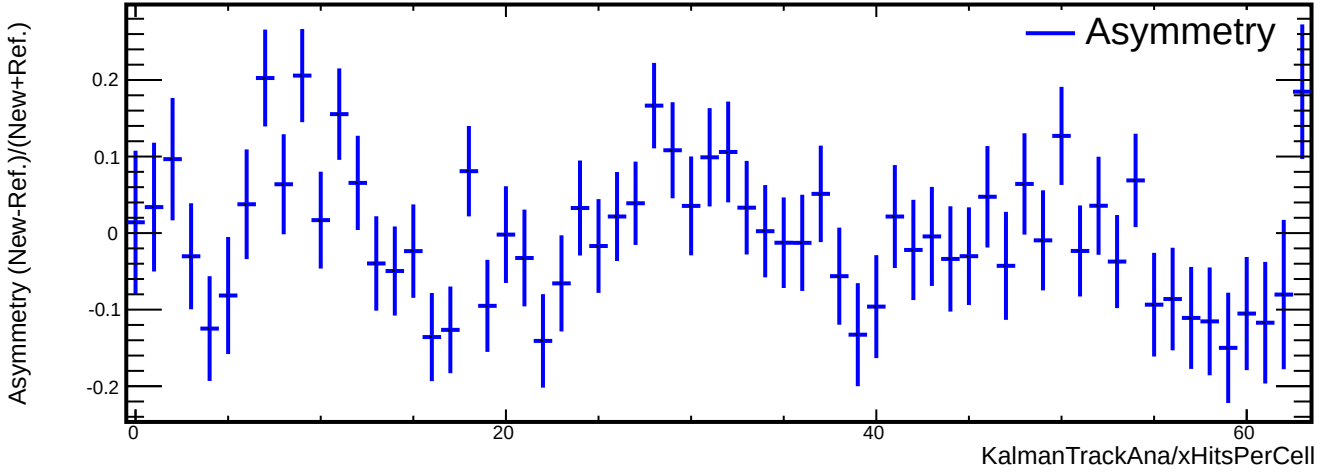

KS 0.00685536, chi2 0.212358
2012-06-03
2012-06-04
KalmanTrackAna/yHitsPerPlane

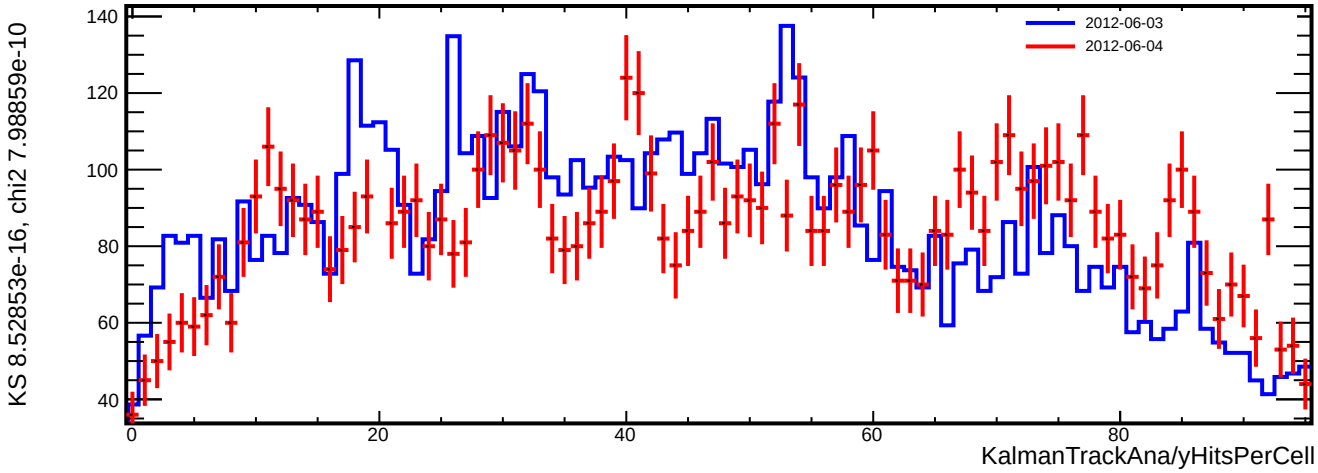

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yHitsPerPlane

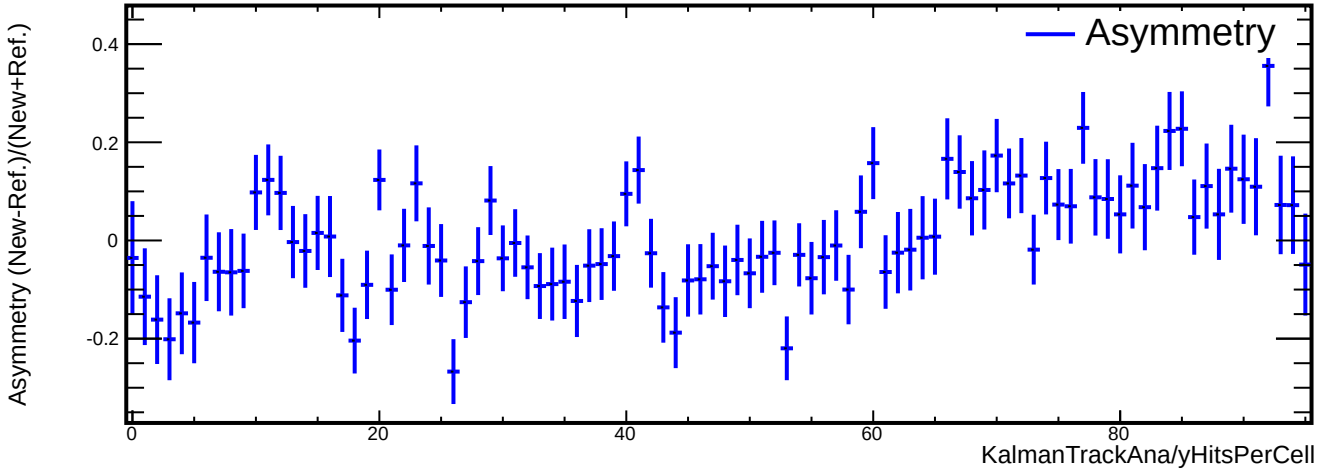

KS 2.65127e-05, chi2 0.0459224
2012-06-03
2012-06-04
0
50
100
150
200
0
50
100
150
KalmanTrackAna/hitsPerPlane

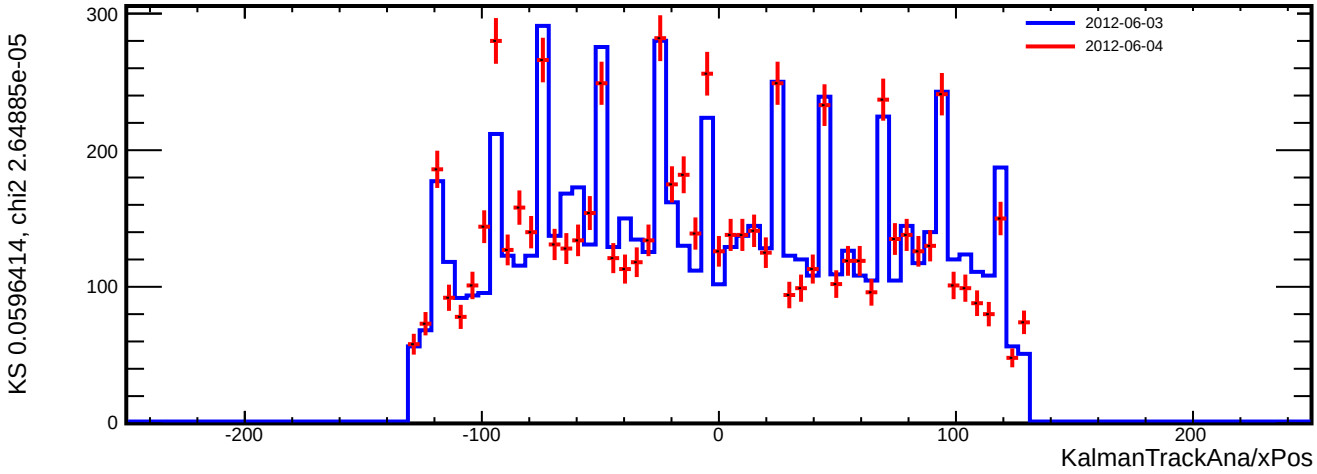

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
0
50
100
150
KalmanTrackAna/hitsPerPlane

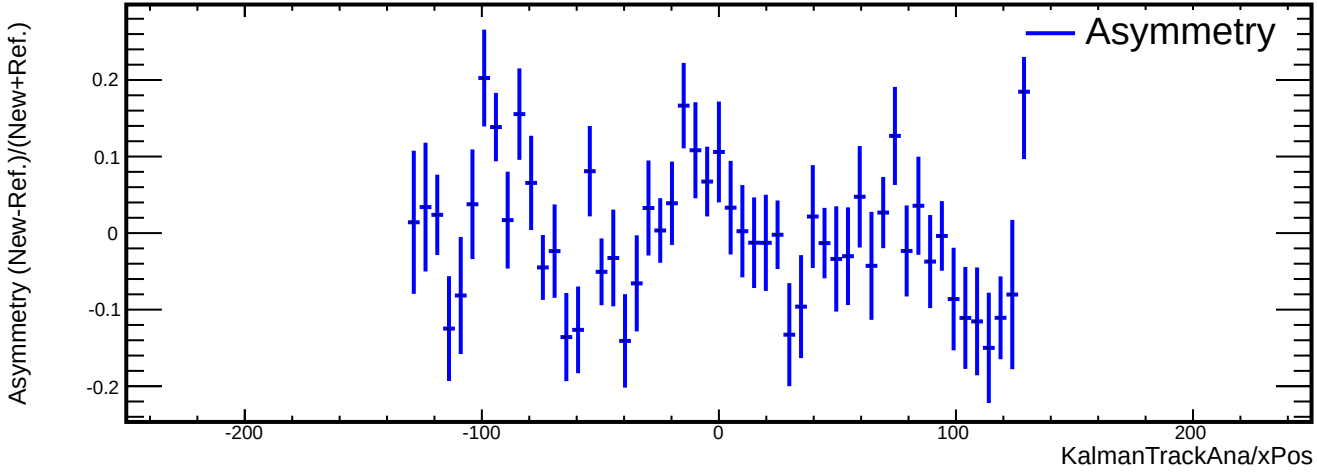

KS 0.0596414, chi2 7.32725e-05
2012-06-03
2012-06-04
150
100
50
0
20
40
60
KalmanTrackAna/xHitsPerCell

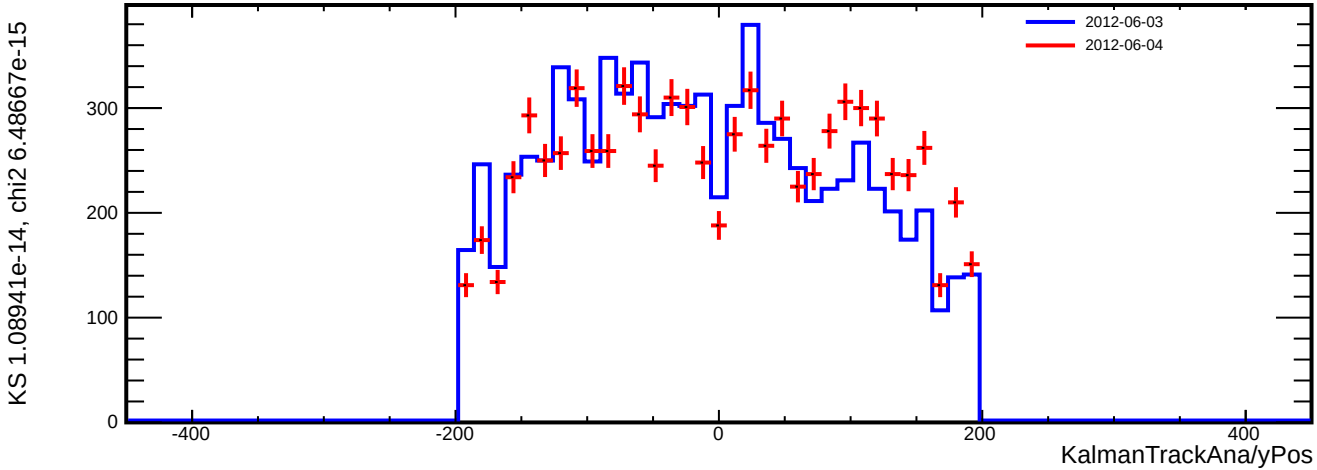

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-0.2
0
20
40
60
KalmanTrackAna/xHitsPerCell

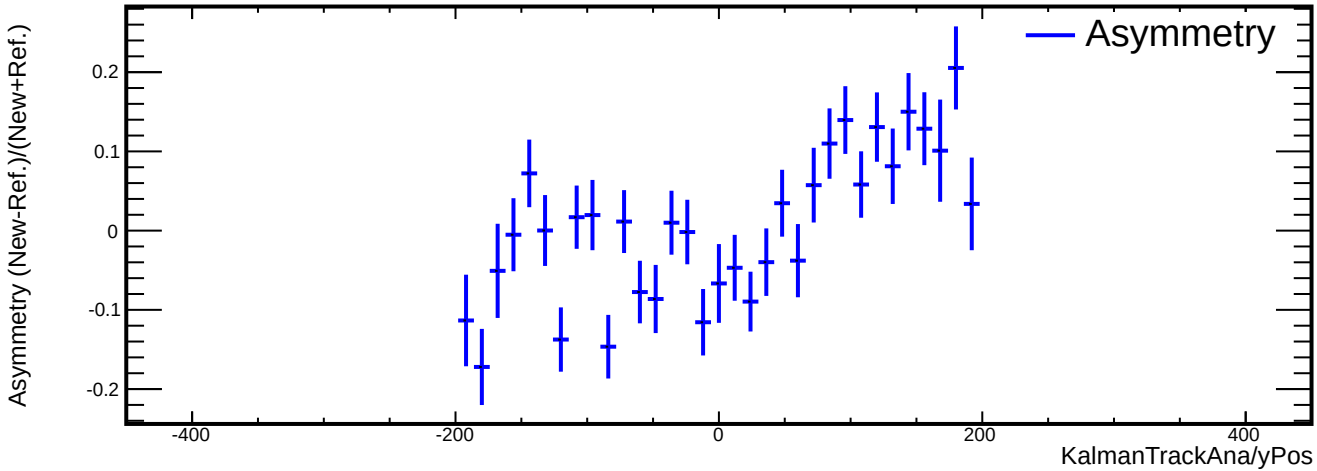

KS 8.52853e-16, chi2 7.98859e-10
2012-06-03
2012-06-04
KalmanTrackAna/yHitsPerCell

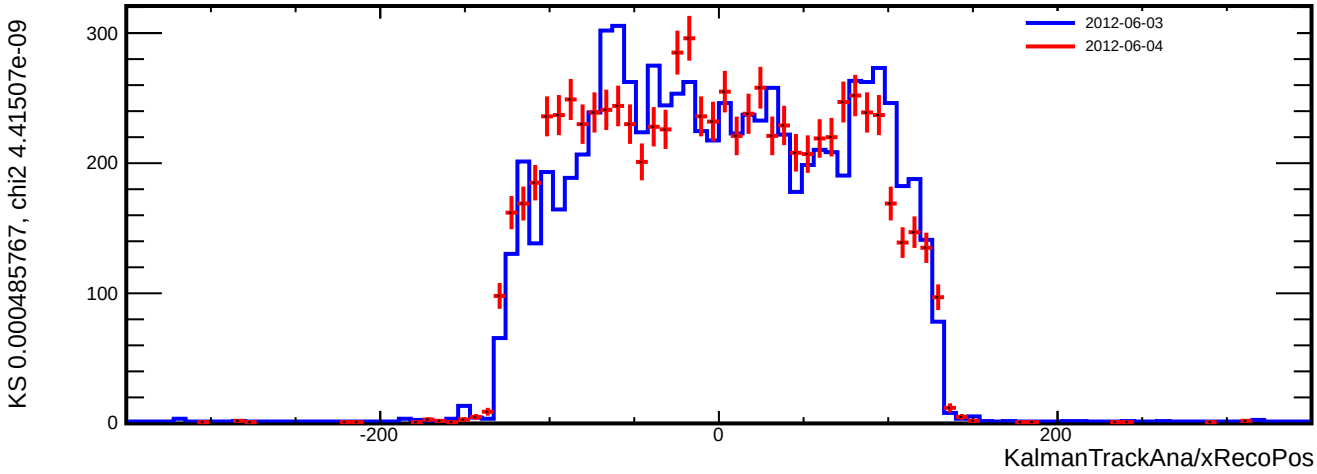

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yHitsPerCell

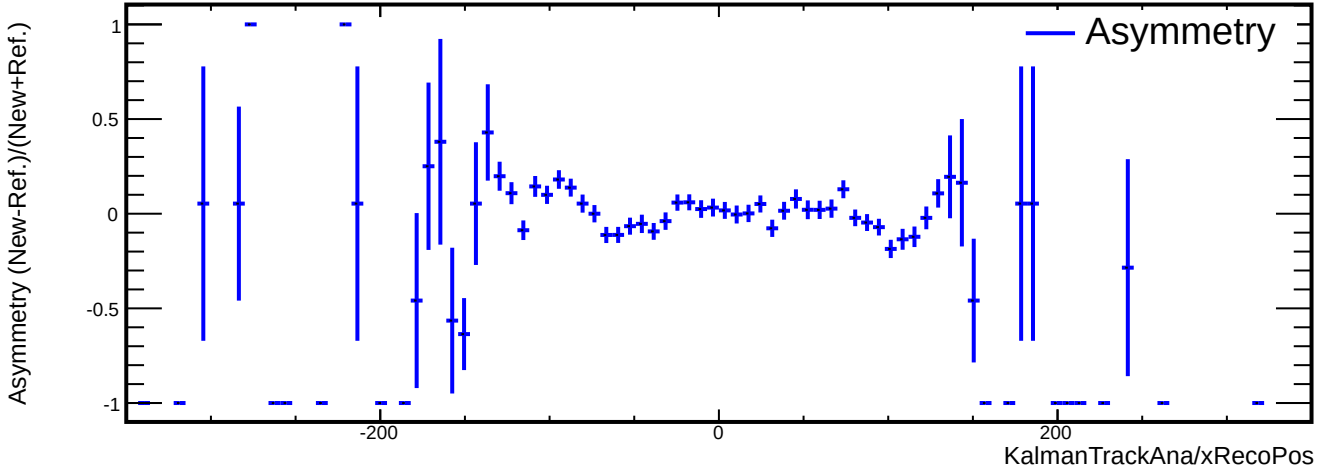

KS 0.0596414, chi2 2.64885e-05
2012-06-03
2012-06-04
300
200
100
0
-200
-100
0
100
200
KalmanTrackAna/xPos

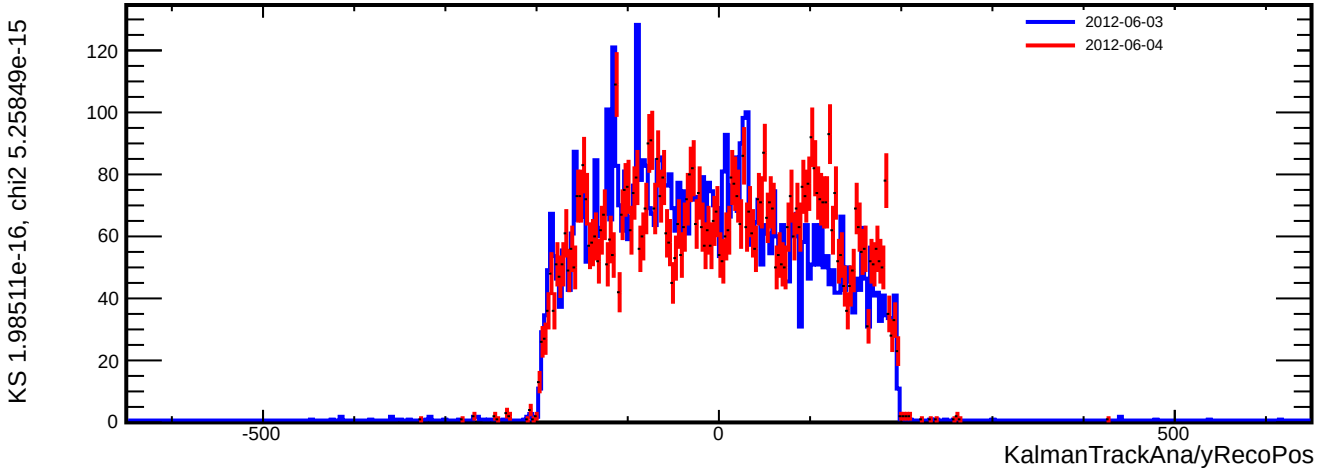

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-0.2
-200
-100
0
100
200
KalmanTrackAna/xPos

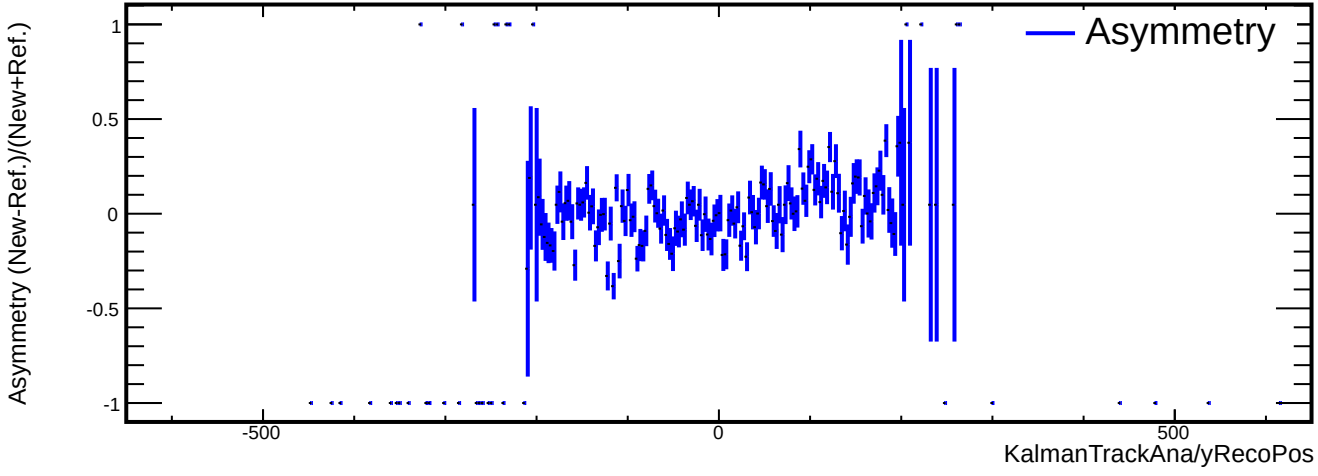

KS 1.08941e-14, chi2 6.48667e-15
2012-06-03
2012-06-04
300
200
100
0
-400
-200
0
200
400
KalmanTrackAna/yPos

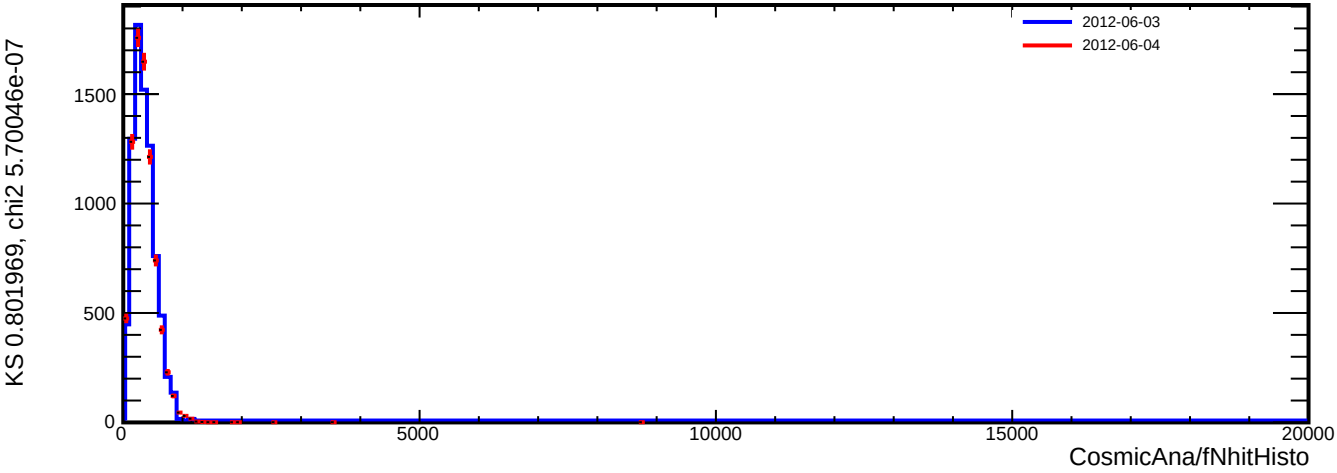

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-0.2
-400
-200
0
200
400
KalmanTrackAna/yPos

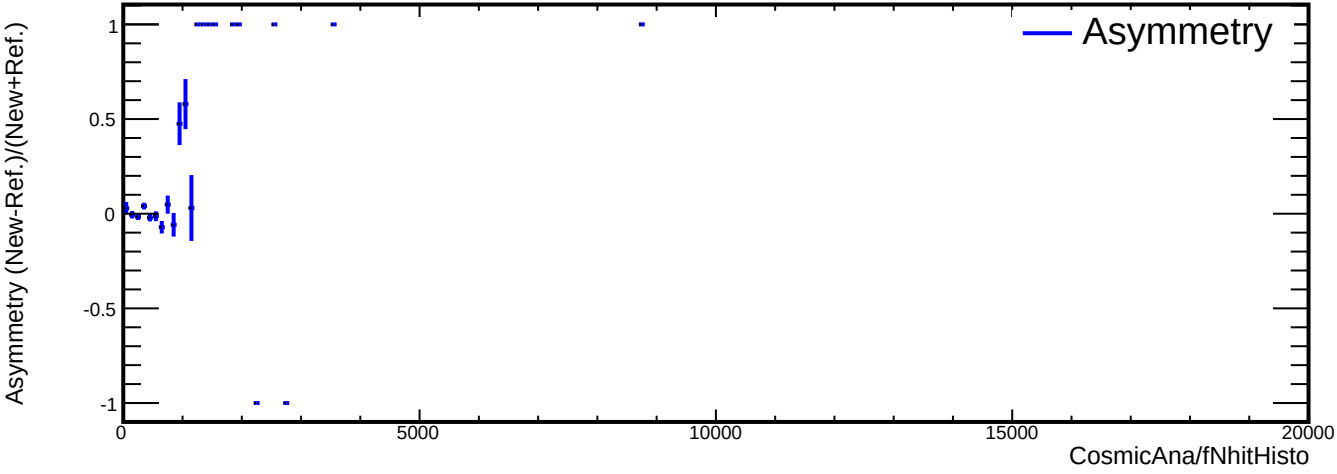

KS 0.000485767, chi2 4.41507e-09
2012-06-03
2012-06-04
300
200
100
0
-200
0
200
KalmanTrackAna/xRecoPos

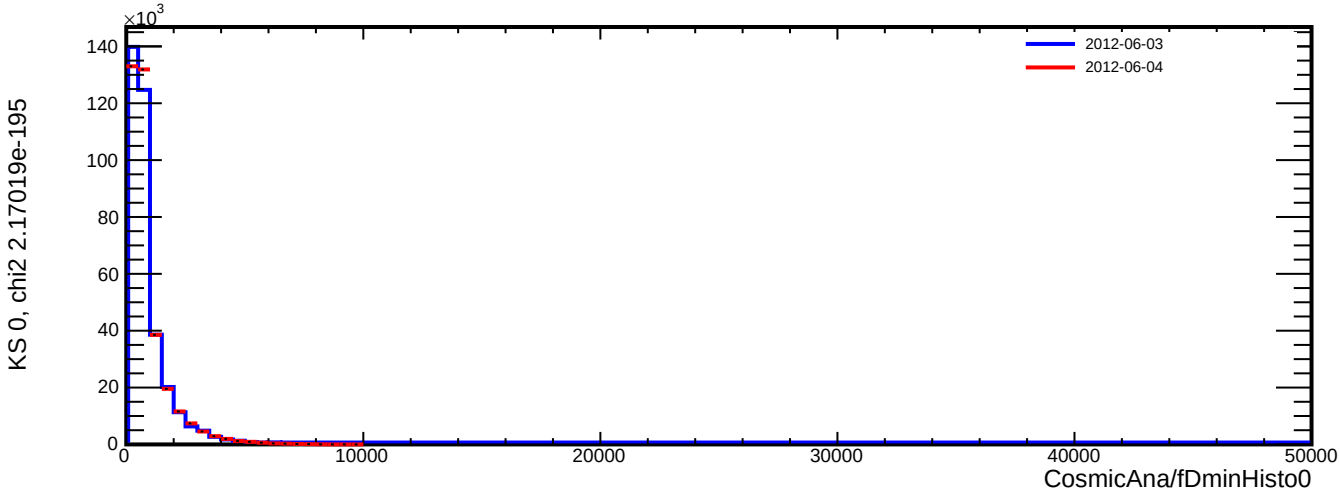

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
0
200
KalmanTrackAna/xRecoPos

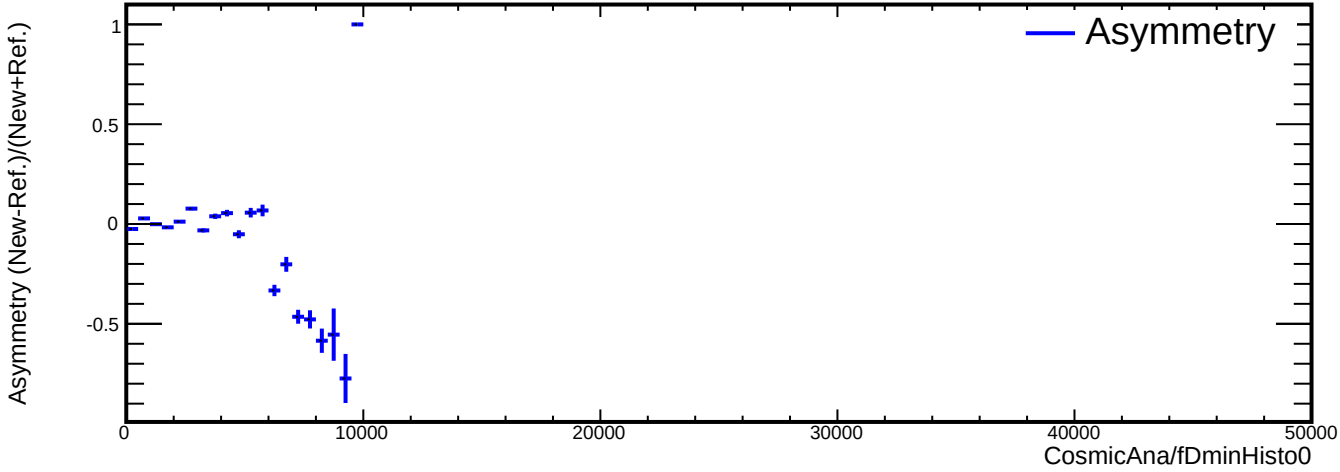

KS 1.98511e-16, chi2 5.25849e-15
2012-06-03
2012-06-04
120
100
80
60
40
20
0
-500
0
500
KalmanTrackAna/yRecoPos

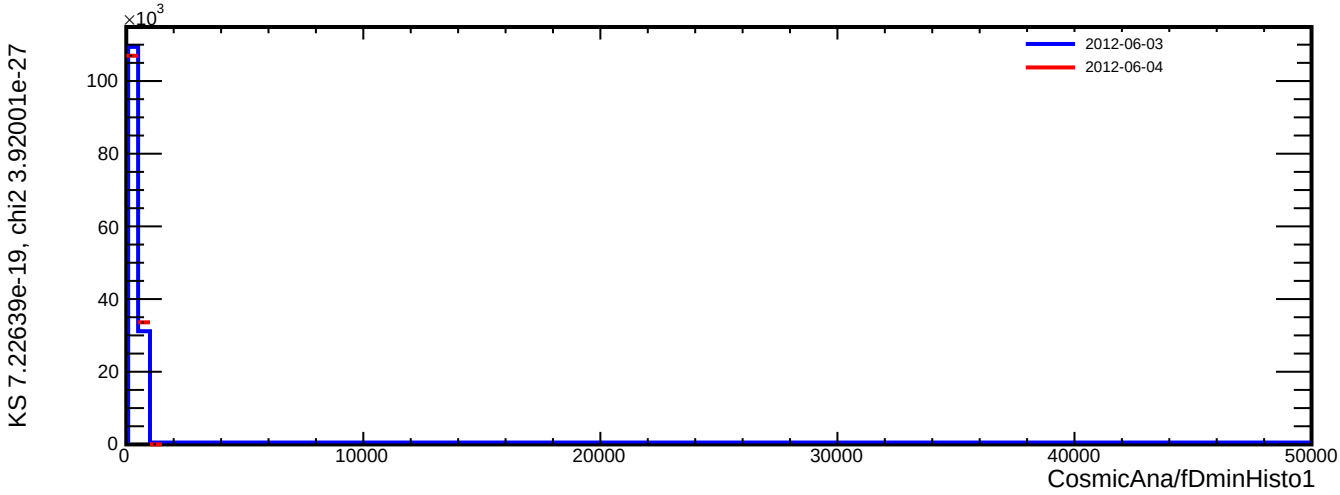

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-500
0
500
KalmanTrackAna/yRecoPos

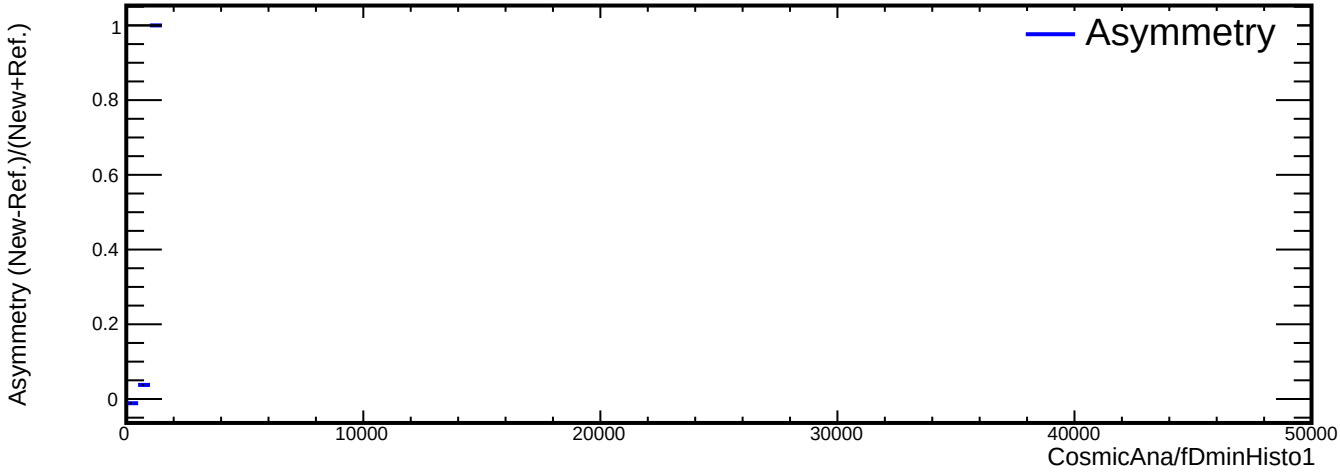

KS 0.801969, chi2 5.70046e-07
2012-06-03
2012-06-04
1500
1000
500
0
0
5000
10000
15000
20000
CosmicAna/fNhitHisto

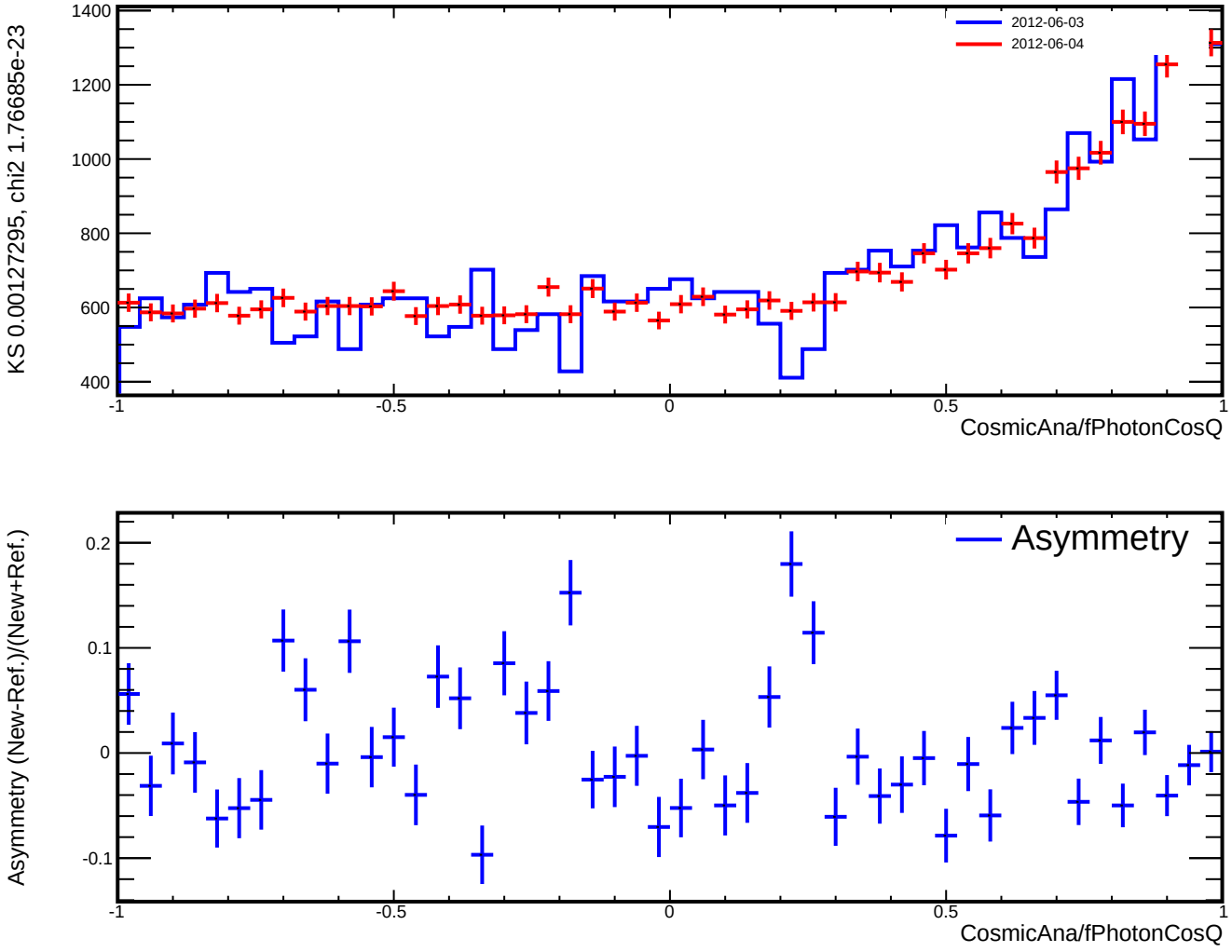

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5000
10000
15000
20000
CosmicAna/fNhitHisto

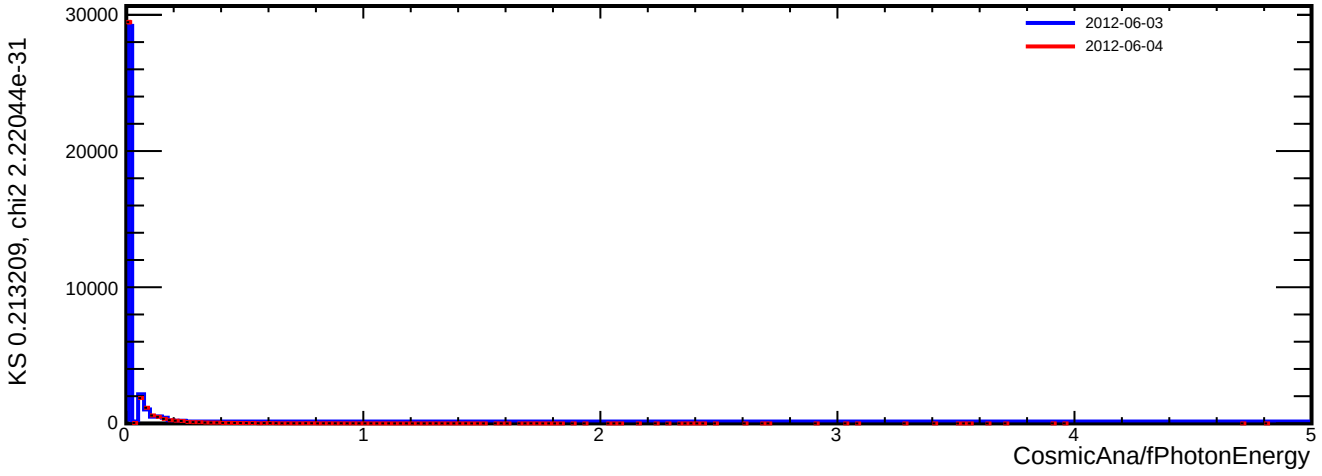

×10^3
140
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
2012-06-03
2012-06-04
KS 0, chi2 2.17019e-195
CosmicAna/fDminHisto0

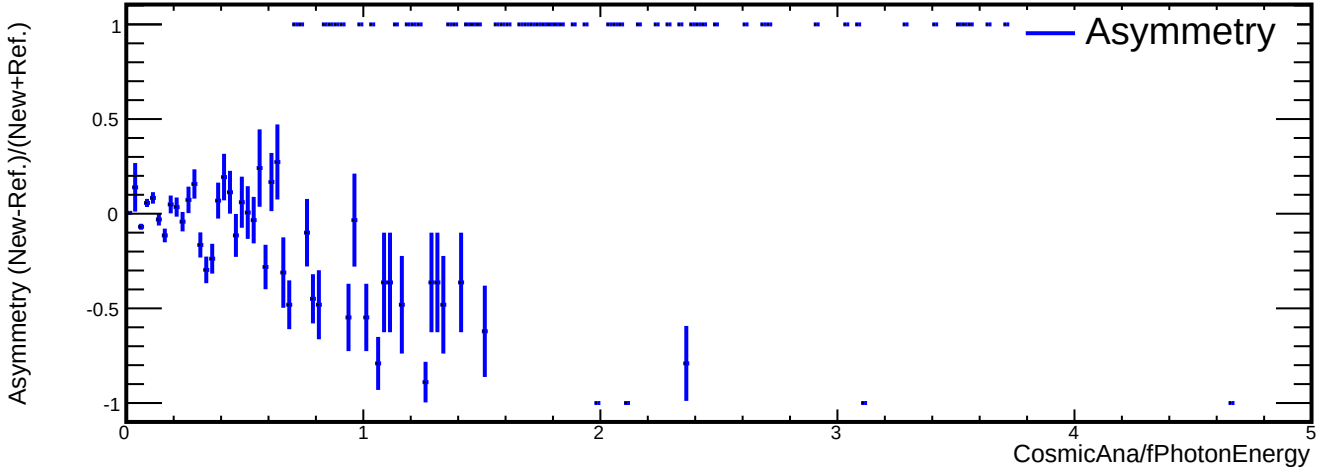

1
0.5
0
-0.5
0
10000
20000
30000
40000
50000
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
CosmicAna/fDminHisto0

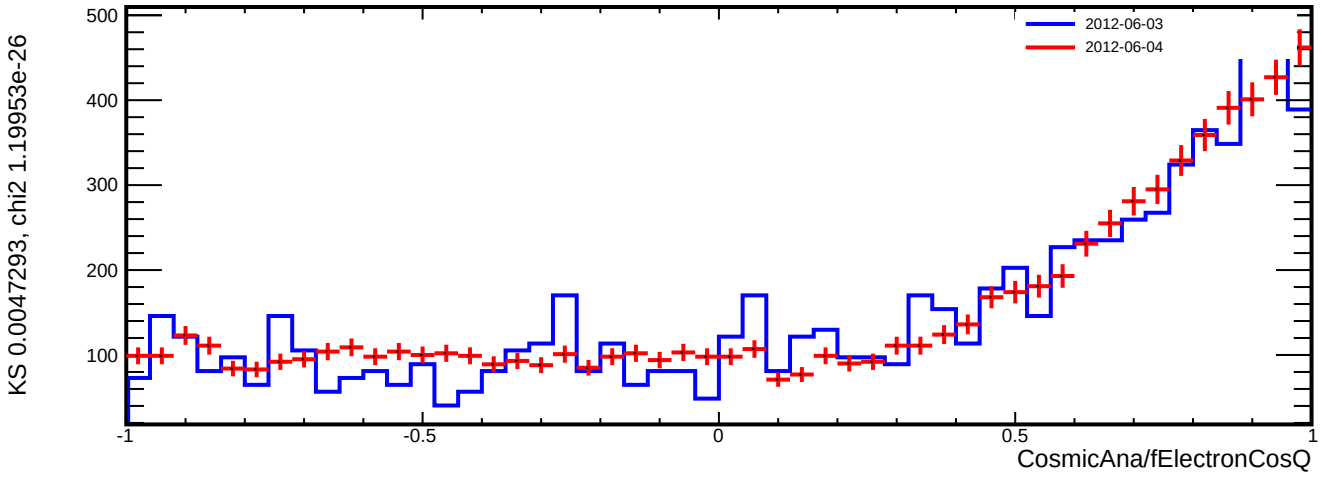

×10^3
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto1
KS 7.22639e-19, chi2 3.92001e-27
2012-06-03
2012-06-04

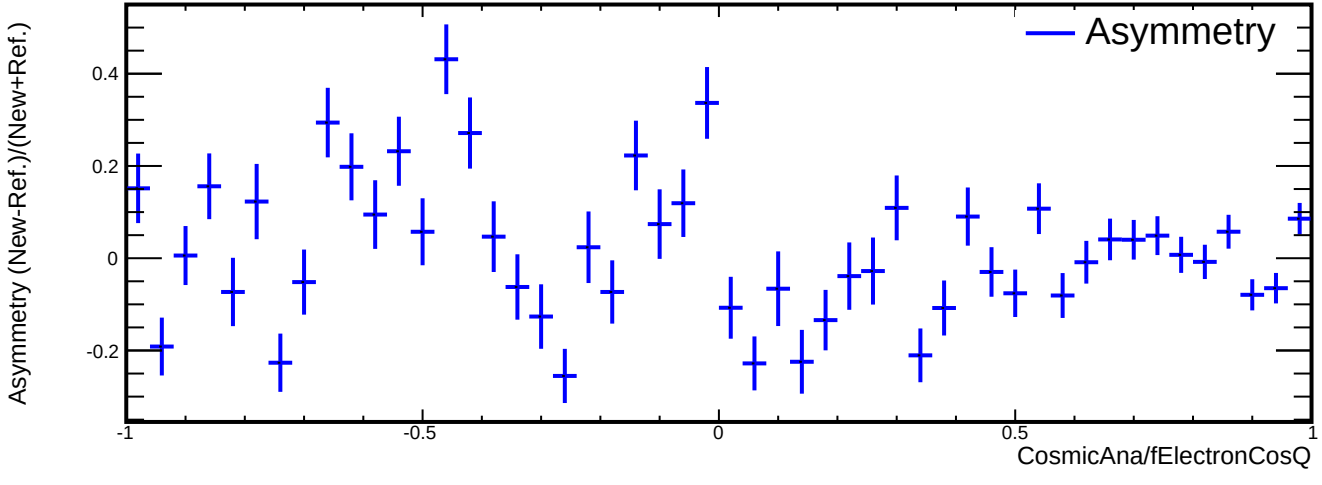

1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto1
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry

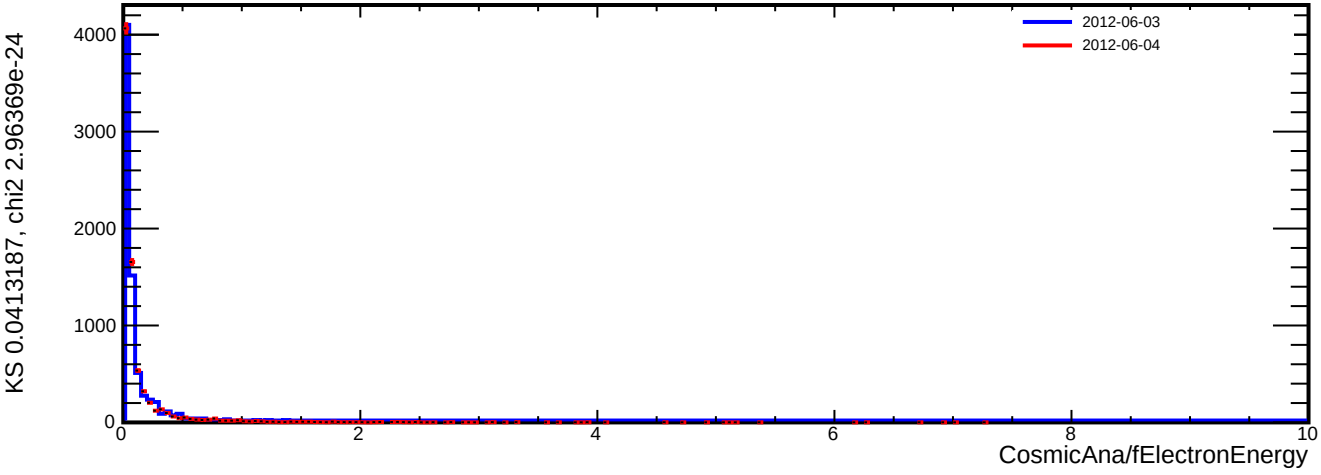

KS 0.00127295, chi2 1.76685e-23
1400
1200
1000
800
600
400
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
2012-06-03
2012-06-04
Asymmetry (New-Ref.)/(New+Ref.)
0.2
0.1
0
-0.1
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
Asymmetry

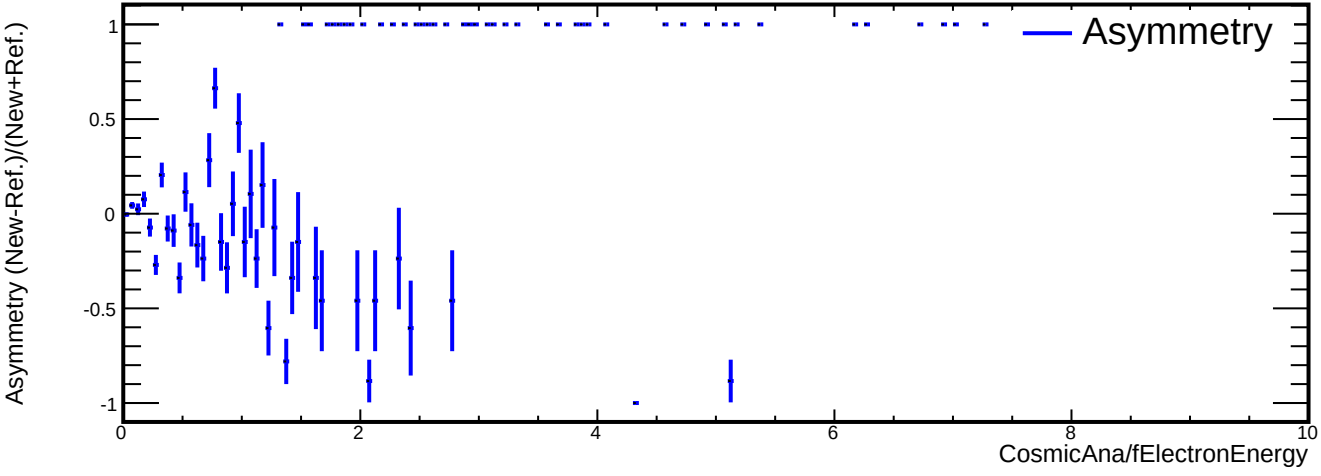

KS 0.213209, chi2 2.22044e-31
30000
20000
10000
0
0
1
2
3
4
5
CosmicAna/fPhotonEnergy
2012-06-03
2012-06-04

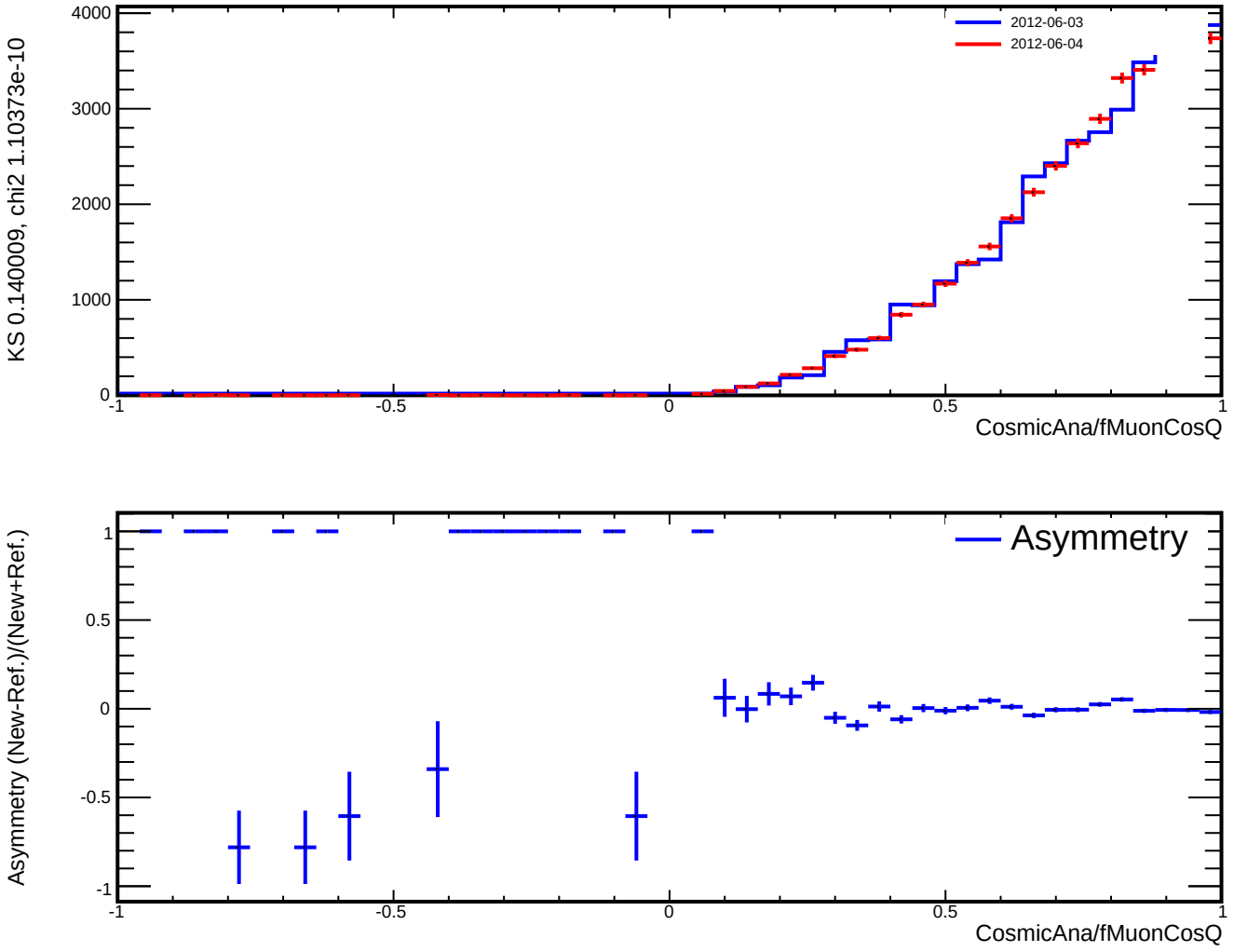

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
1
2
3
4
5
CosmicAna/fPhotonEnergy
Asymmetry

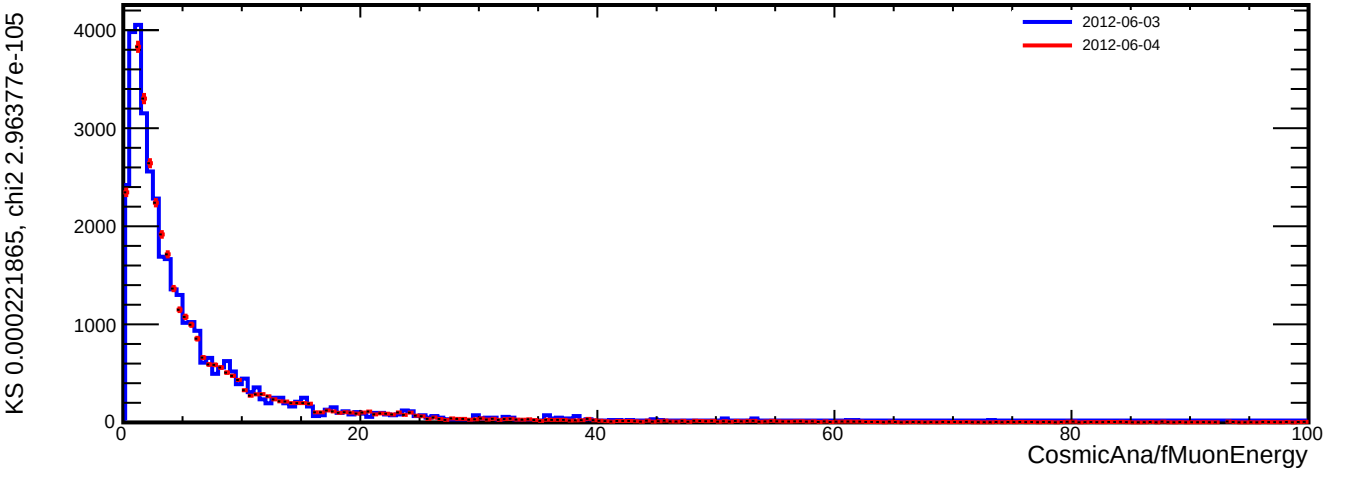

KS 0.0047293, chi2 1.19953e-26
500
400
300
200
100
-1
-0.5
0
0.5
1
CosmicAna/fElectronCosQ
2012-06-03
2012-06-04

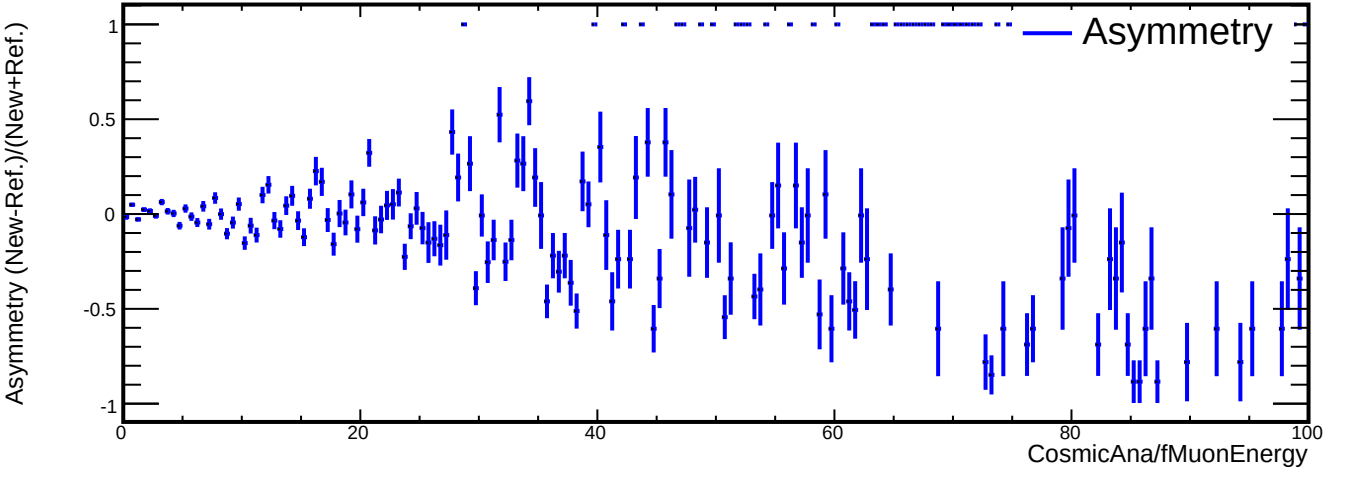

Asymmetry (New-Ref.)/(New+Ref.)
0.4
0.2
0
-0.2
-1
-0.5
0
0.5
1
CosmicAna/fElectronCosQ
Asymmetry

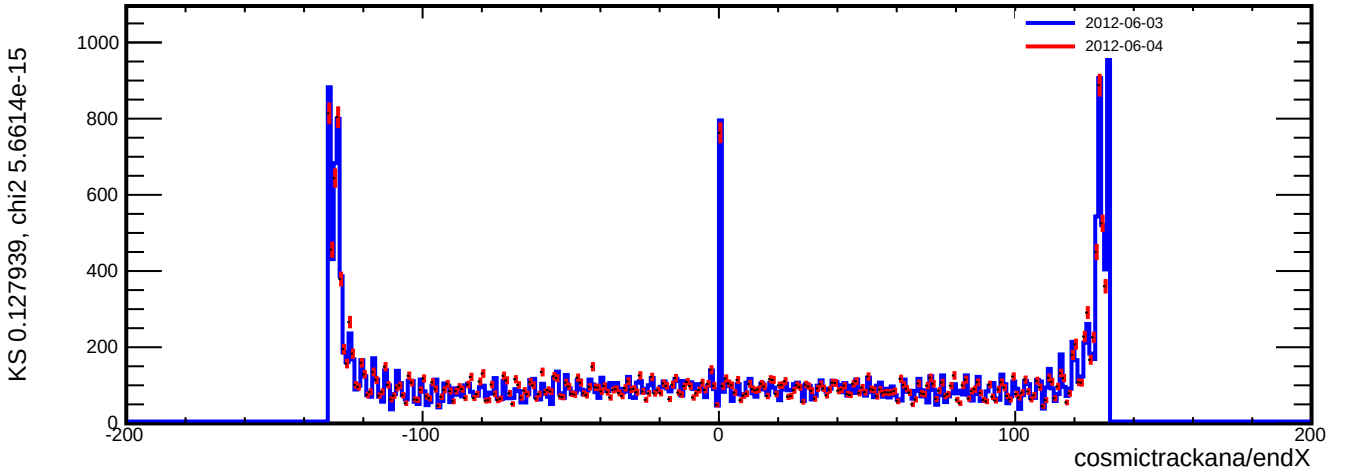

KS 0.0413187, chi2 2.96369e-24
2012-06-03
2012-06-04
4000
3000
2000
1000
0
0
2
4
6
8
10
CosmicAna/fElectronEnergy

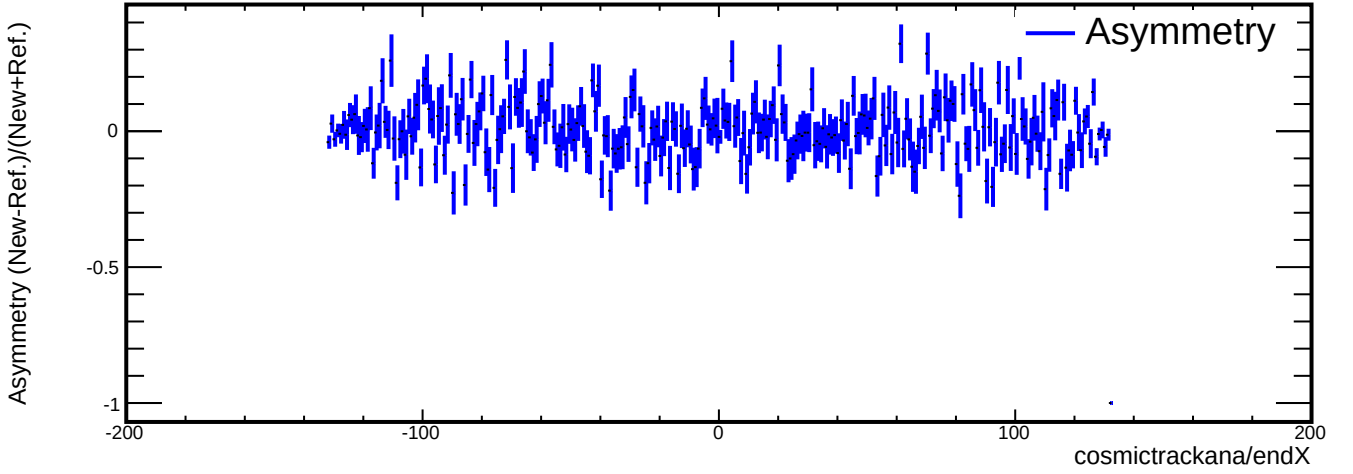

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2
4
6
8
10
CosmicAna/fElectronEnergy

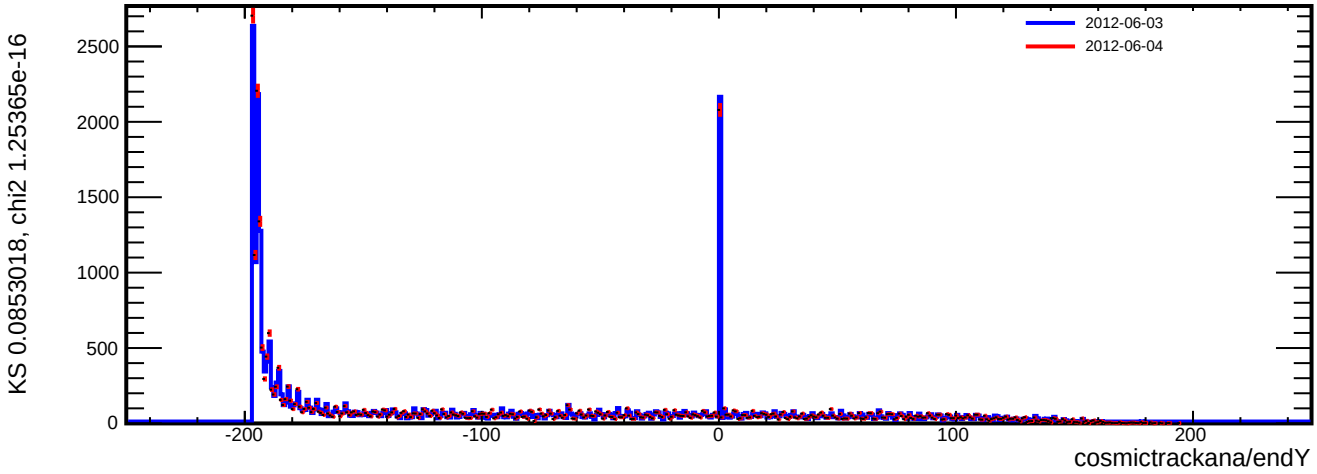

KS 0.140009, chi2 1.10373e-10
2012-06-03
2012-06-04
CosmicAna/fMuonCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
CosmicAna/fMuonCosQ

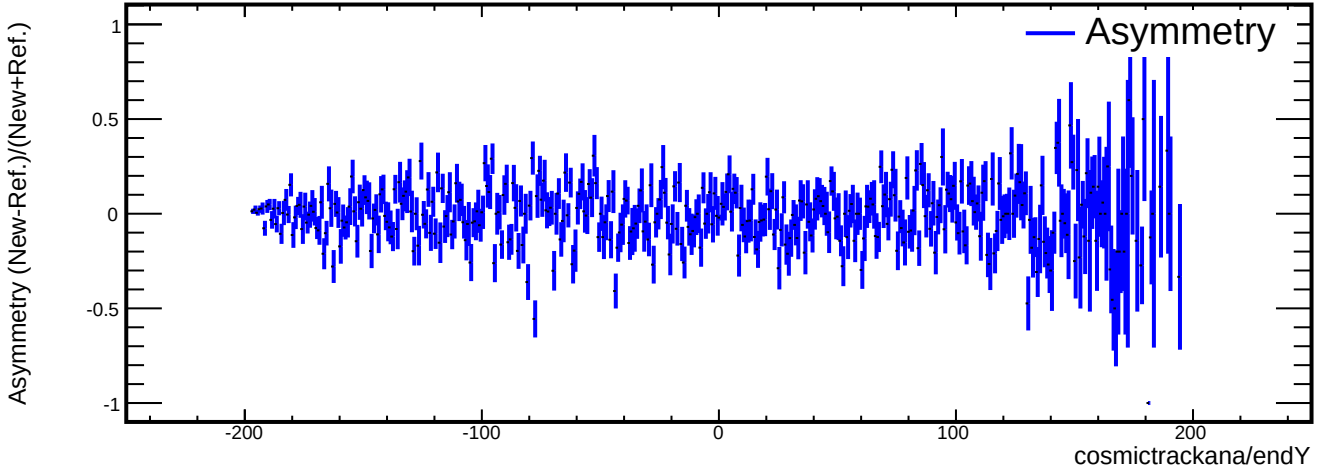

KS 0.000221865, chi2 2.96377e-105
2012-06-03
2012-06-04
4000
3000
2000
1000
0
0
20
40
60
80
100
CosmicAna/fMuonEnergy

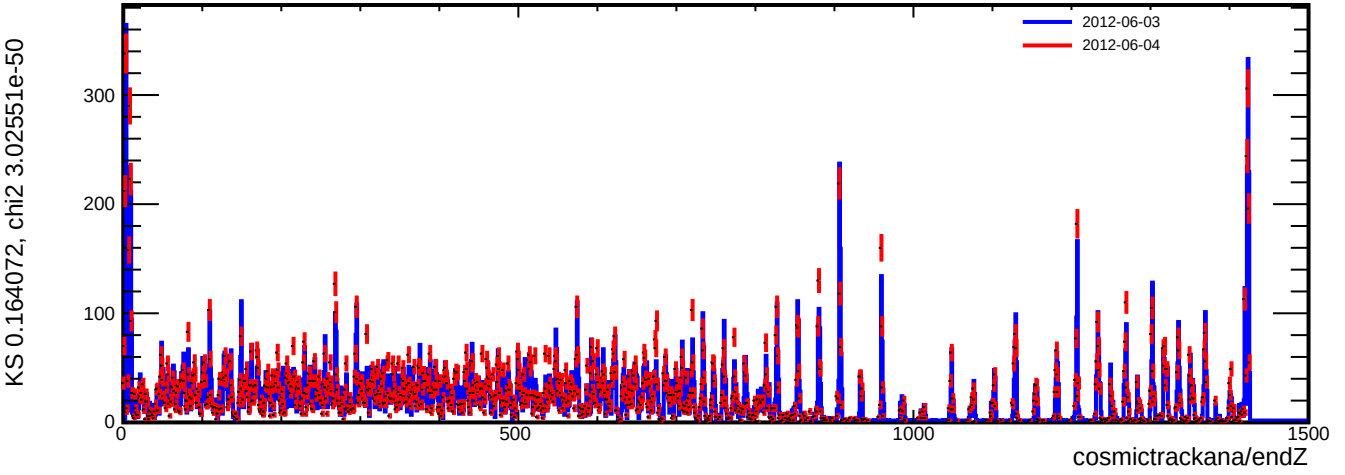

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
20
40
60
80
100
CosmicAna/fMuonEnergy

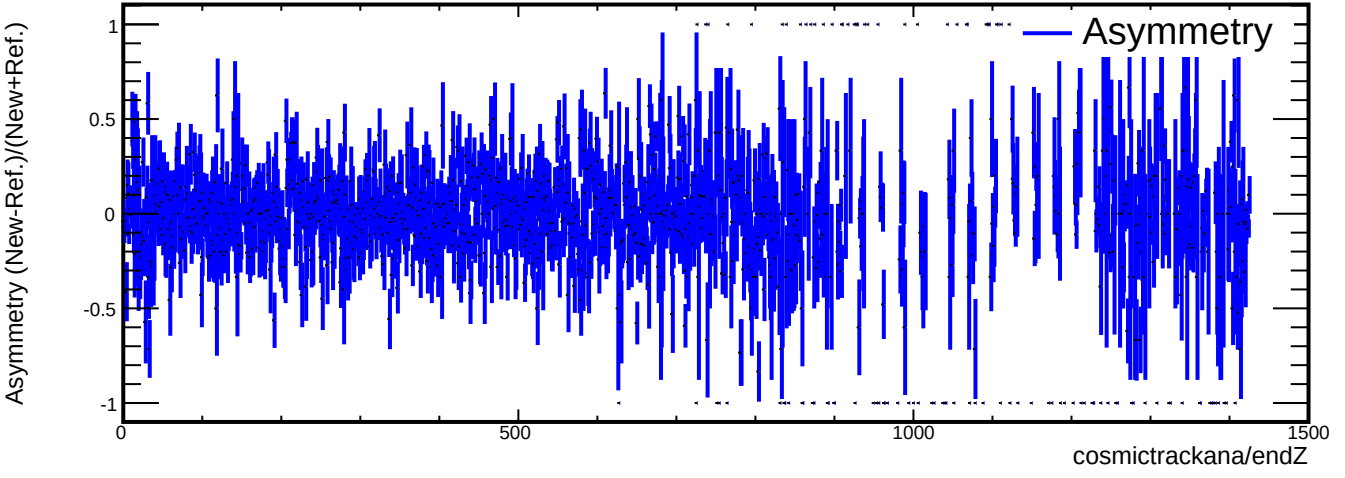

KS 0.127939, chi2 5.6614e-15
2012-06-03
2012-06-04
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

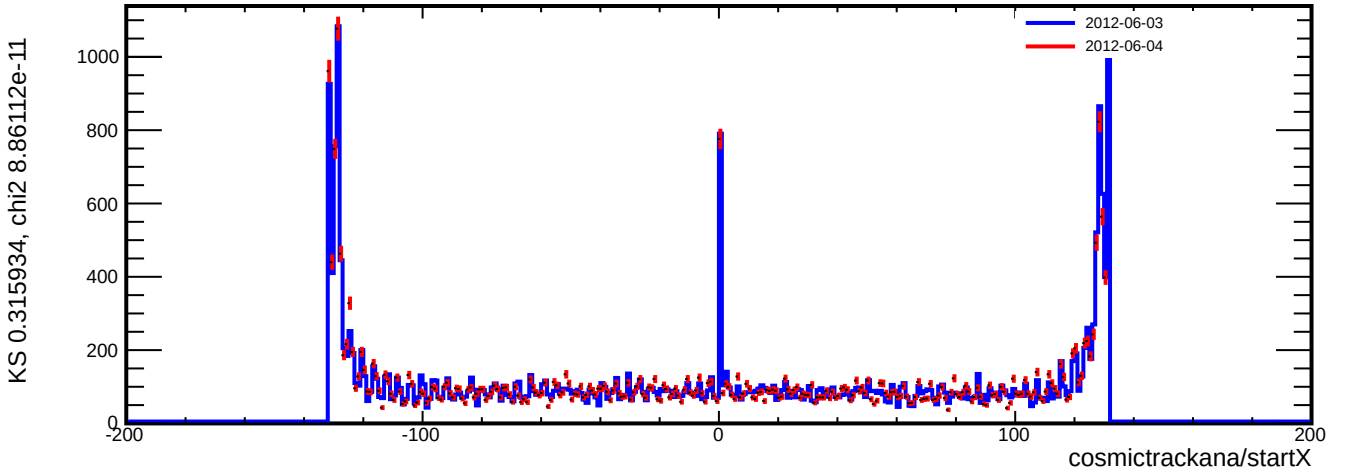

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endX

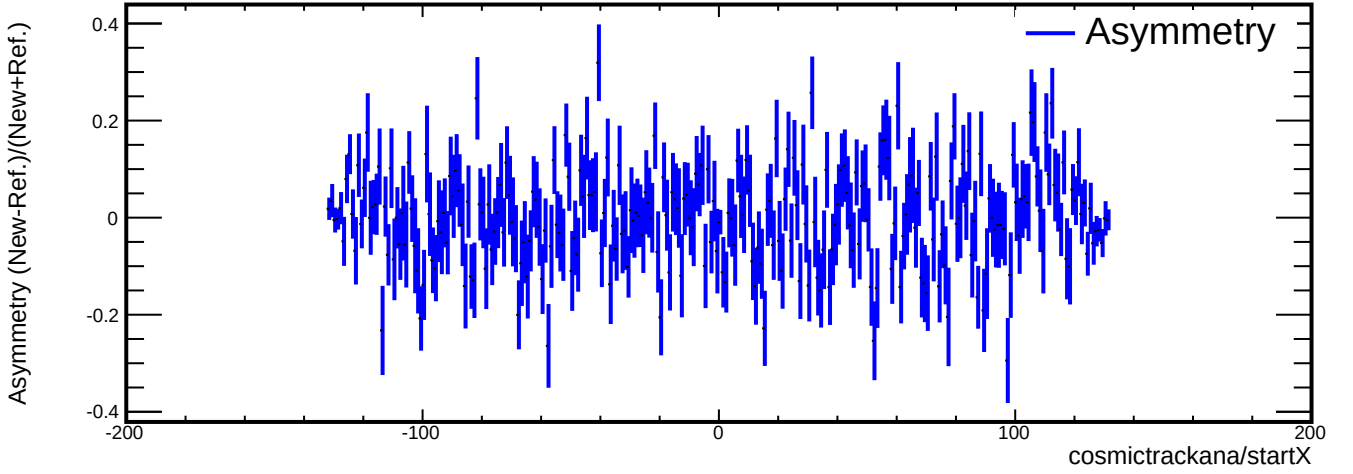

KS 0.0853018, chi2 1.25365e-16
2012-06-03
2012-06-04
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

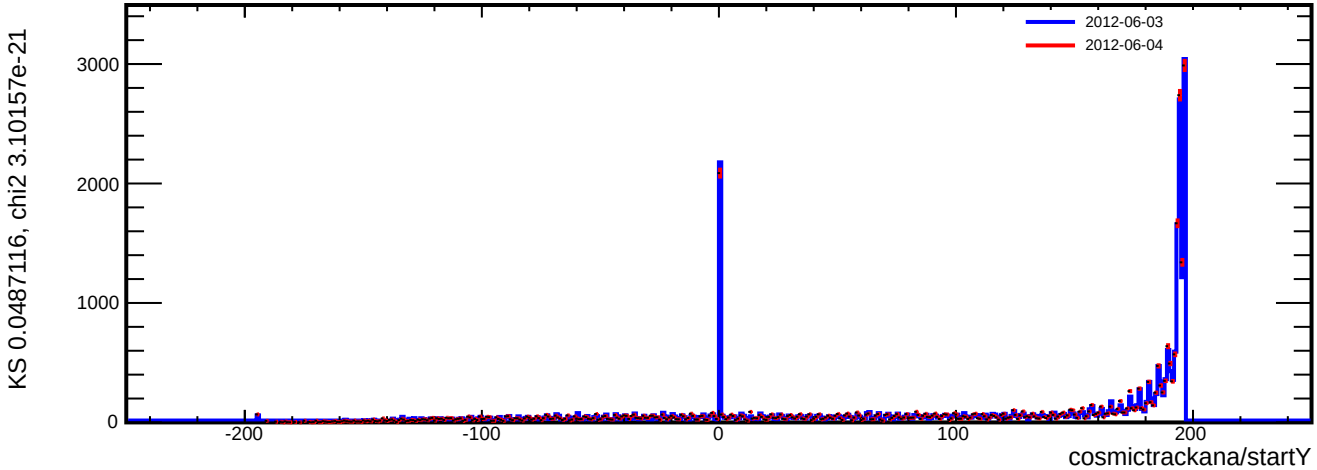

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

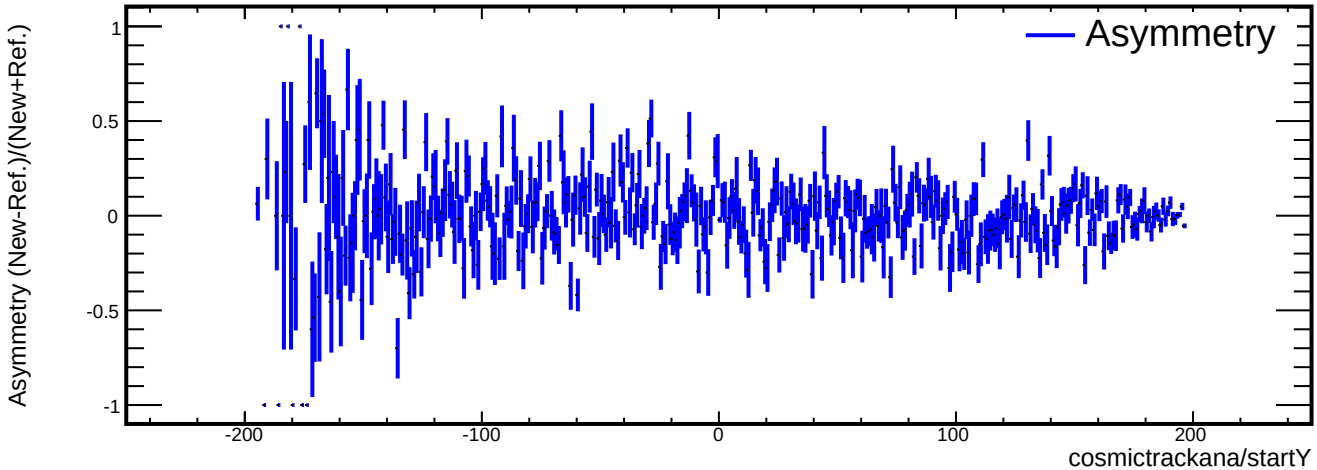

KS 0.164072, chi2 3.02551e-50
2012-06-03
2012-06-04
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

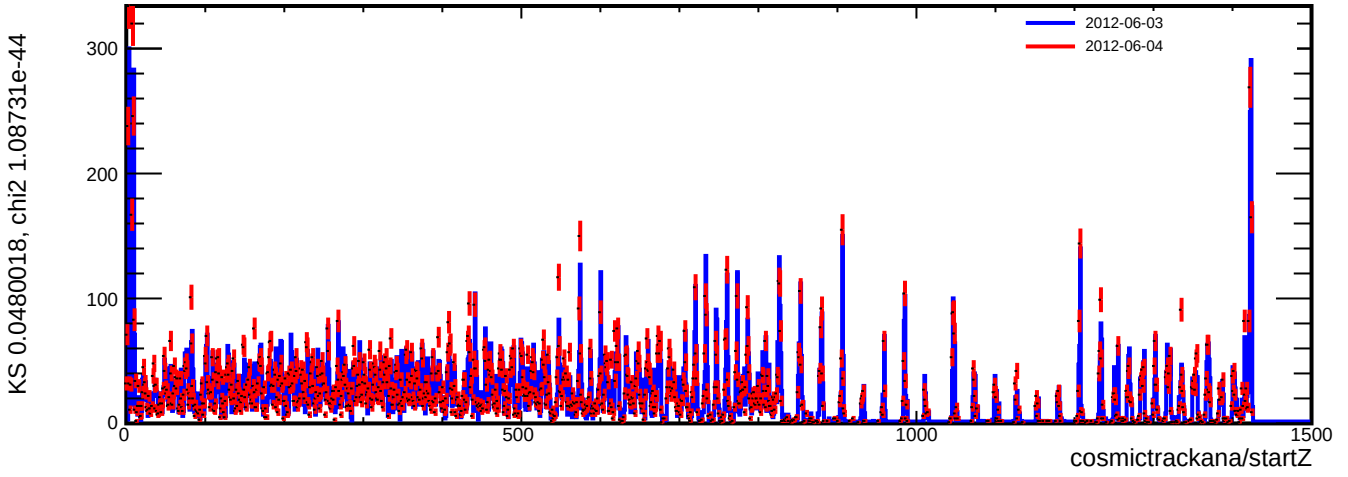

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

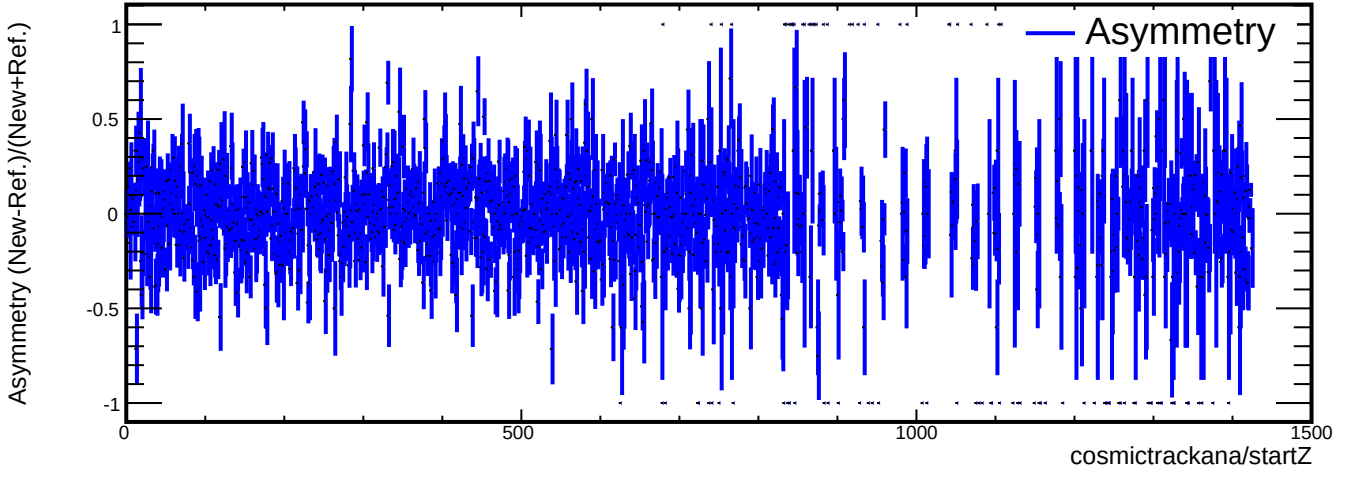

KS 0.315934, chi2 8.86112e-11
2012-06-03
2012-06-04
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

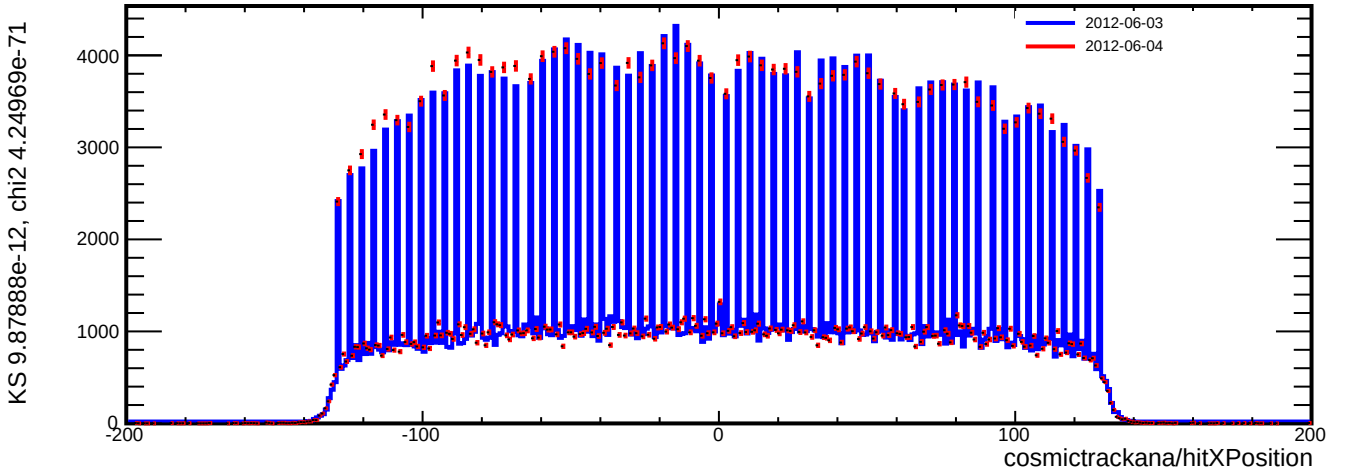

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-0.4
-200
-100
0
100
200
cosmictrackana/startX

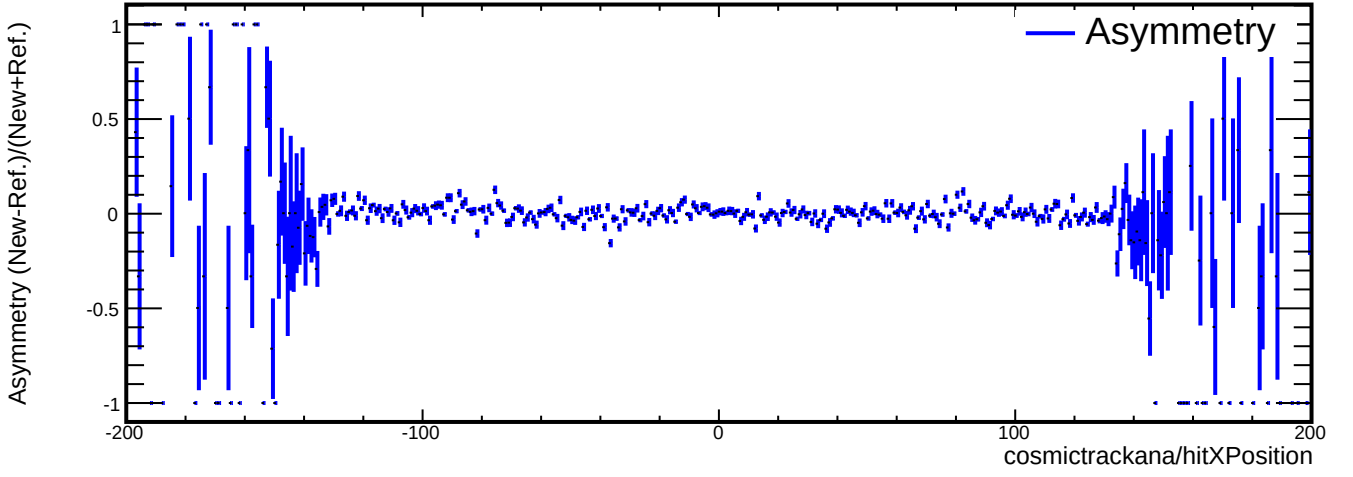

KS 0.0487116, chi2 3.10157e-21
2012-06-03
2012-06-04
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

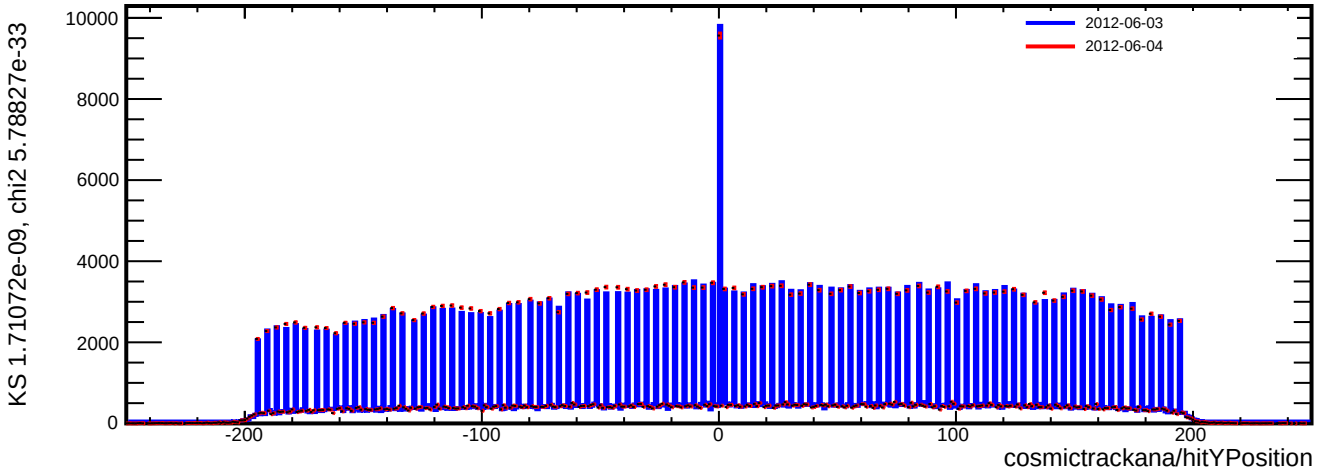

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

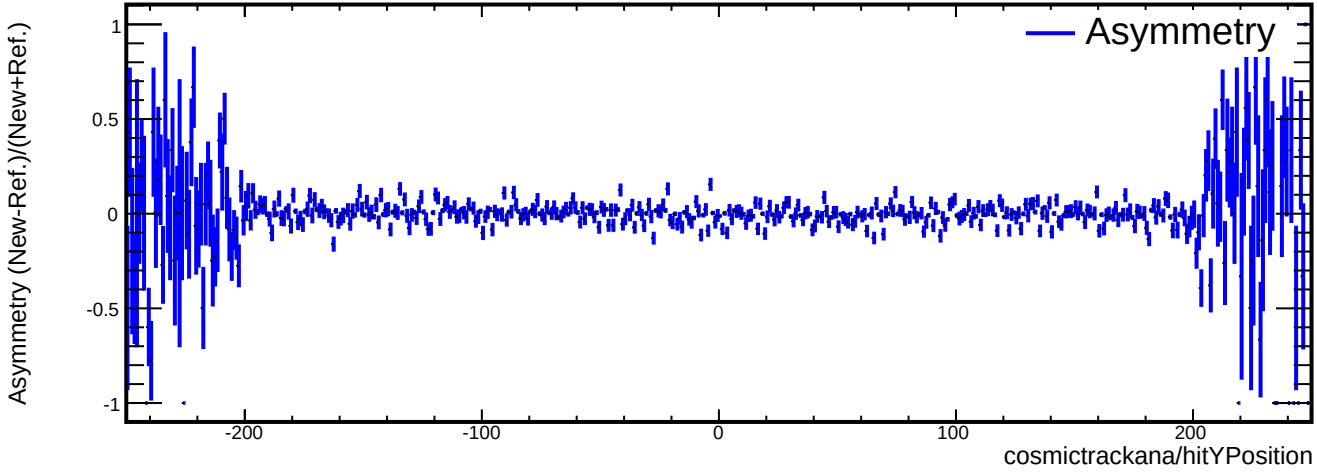

KS 0.0480018, chi2 1.08731e-44
2012-06-03
2012-06-04
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

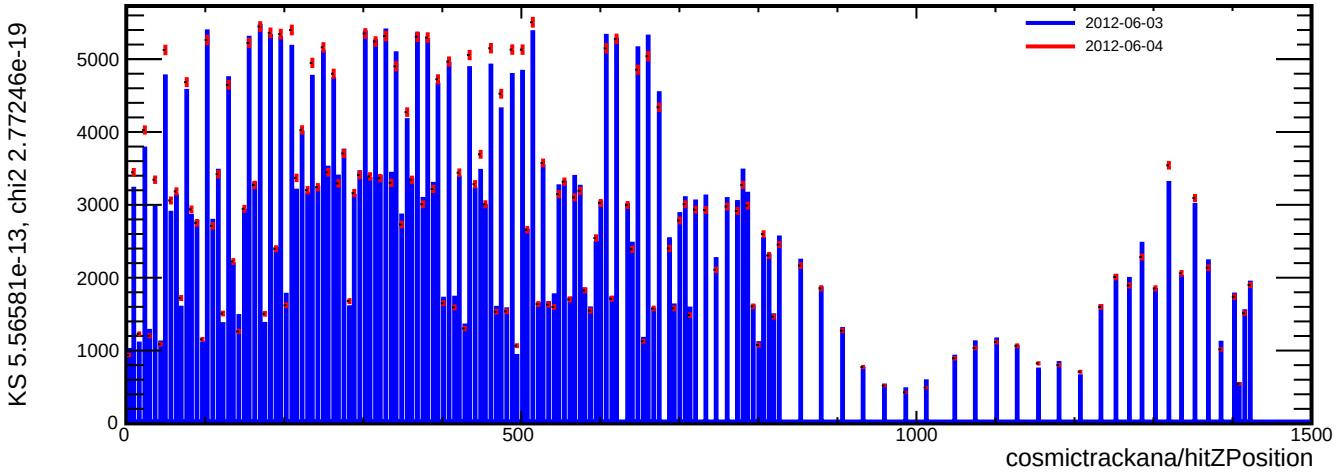

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

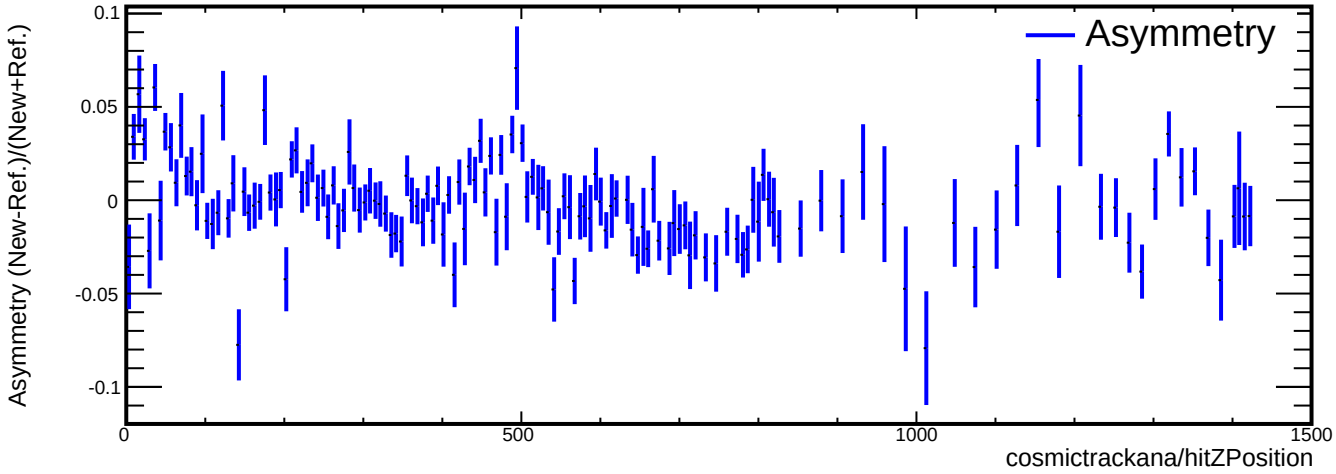

KS 9.87888e-12, chi2 4.24969e-71
2012-06-03
2012-06-04
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

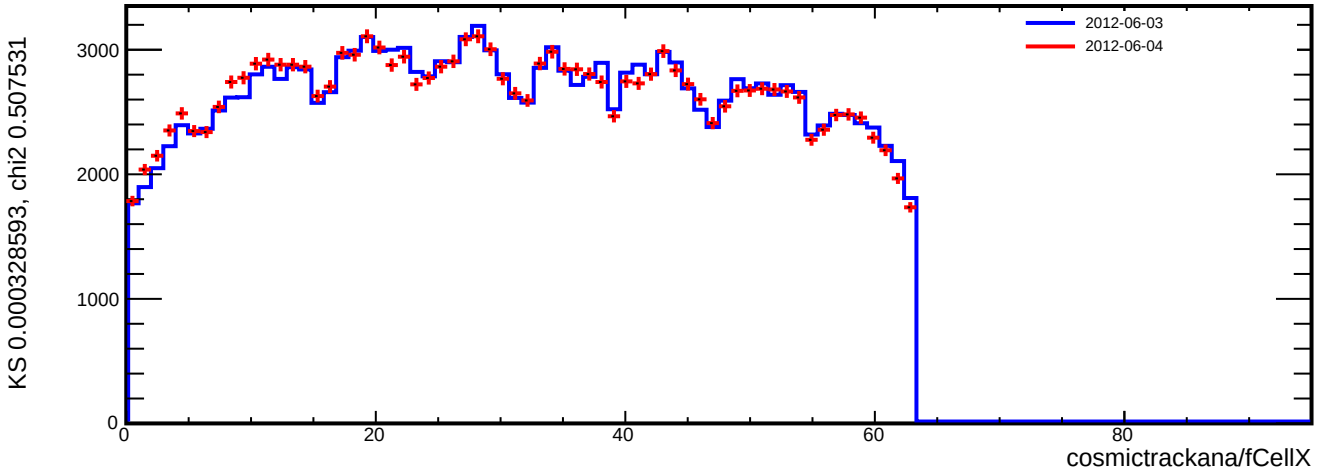

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

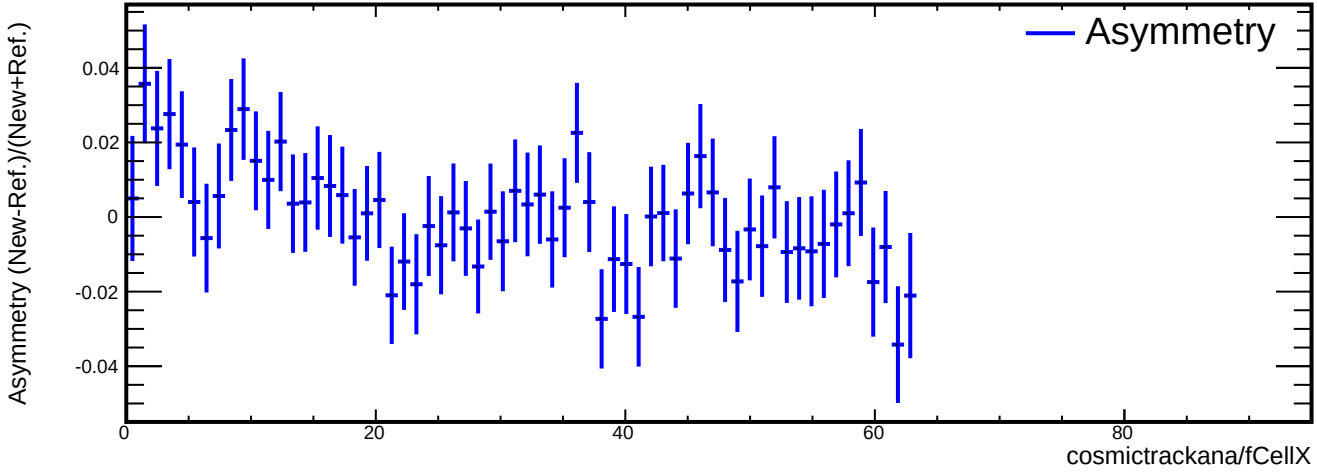

KS 1.71072e-09, chi2 5.78827e-33
10000
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition
2012-06-03
2012-06-04


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


KS 5.56581e-13, chi2 2.77246e-19
2012-06-03
2012-06-04
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 0.000328593, chi2 0.507531
2012-06-03
2012-06-04
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellX


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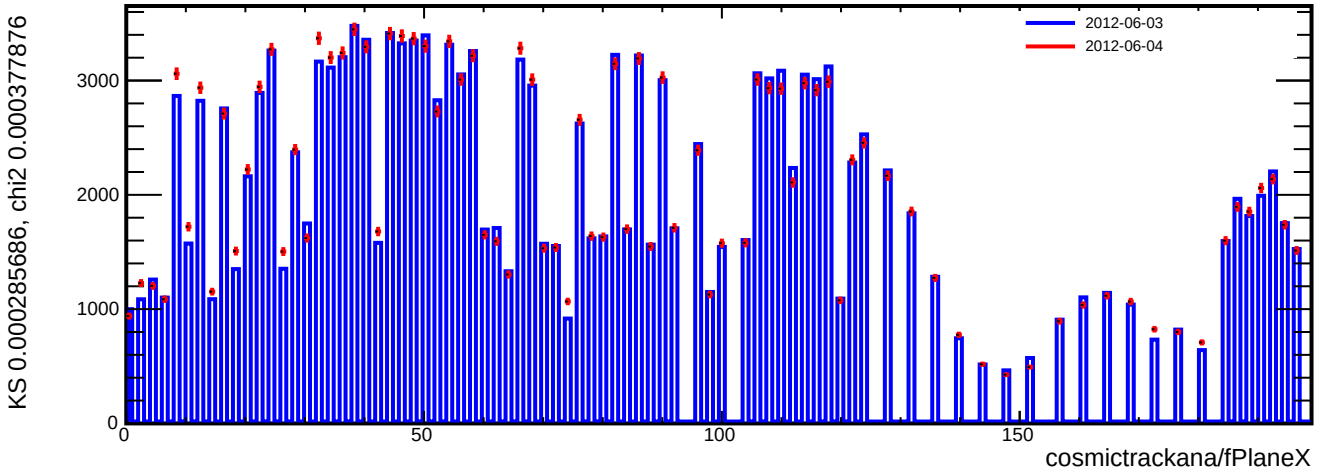
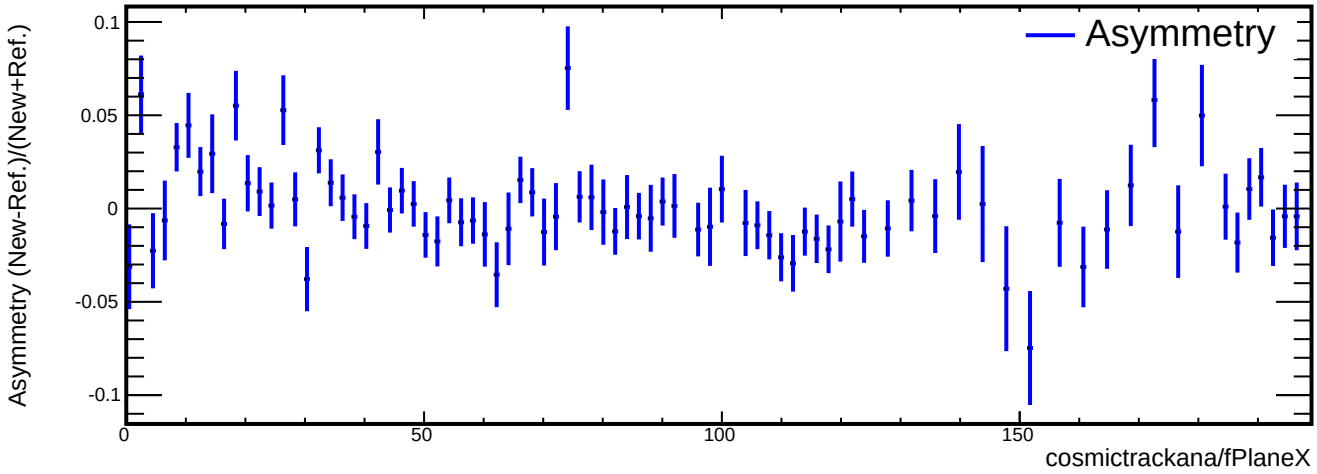
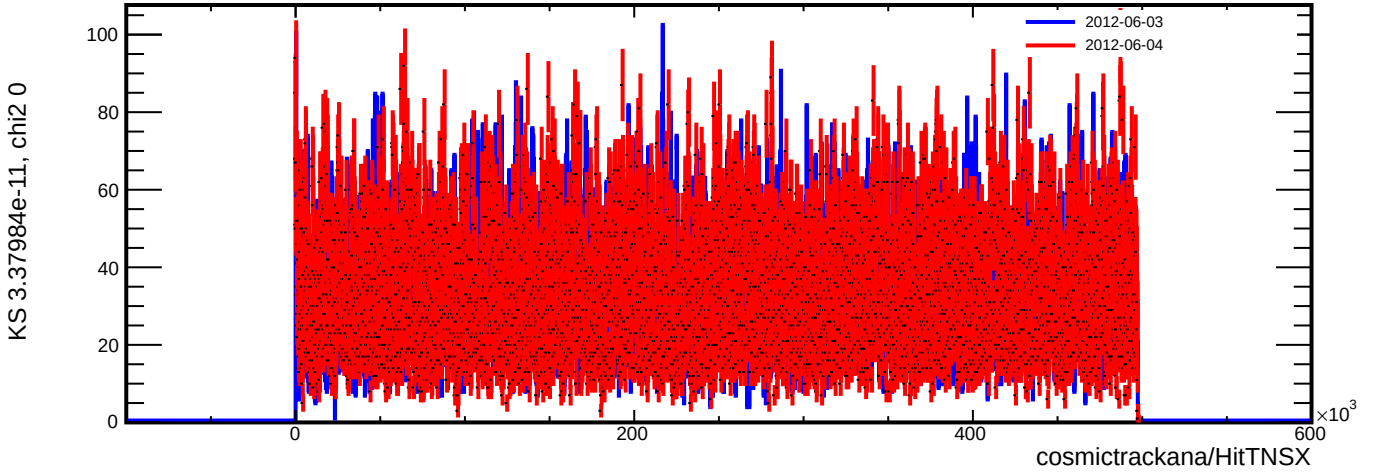
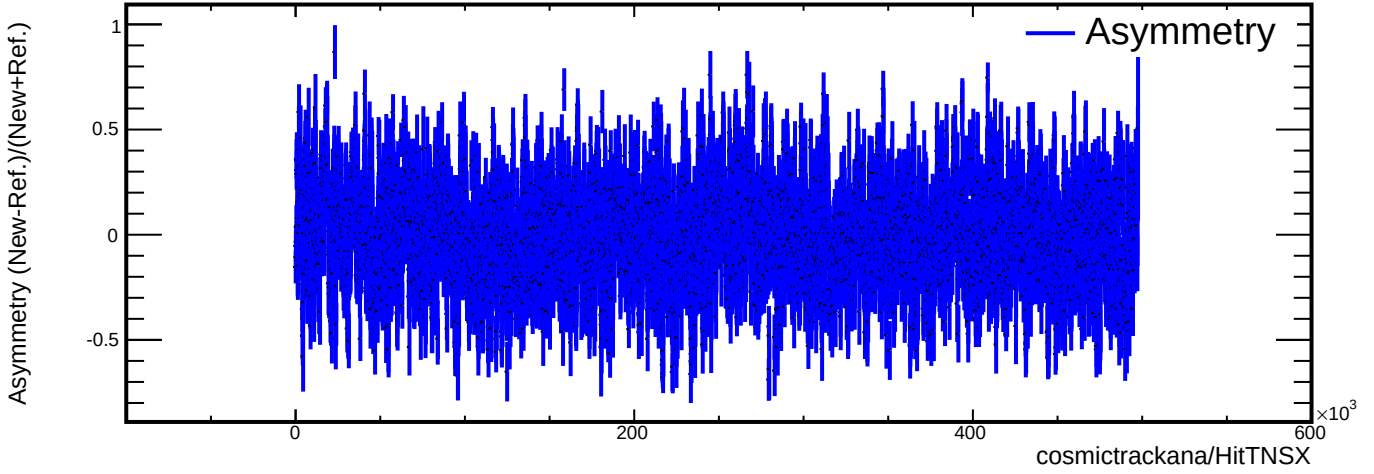
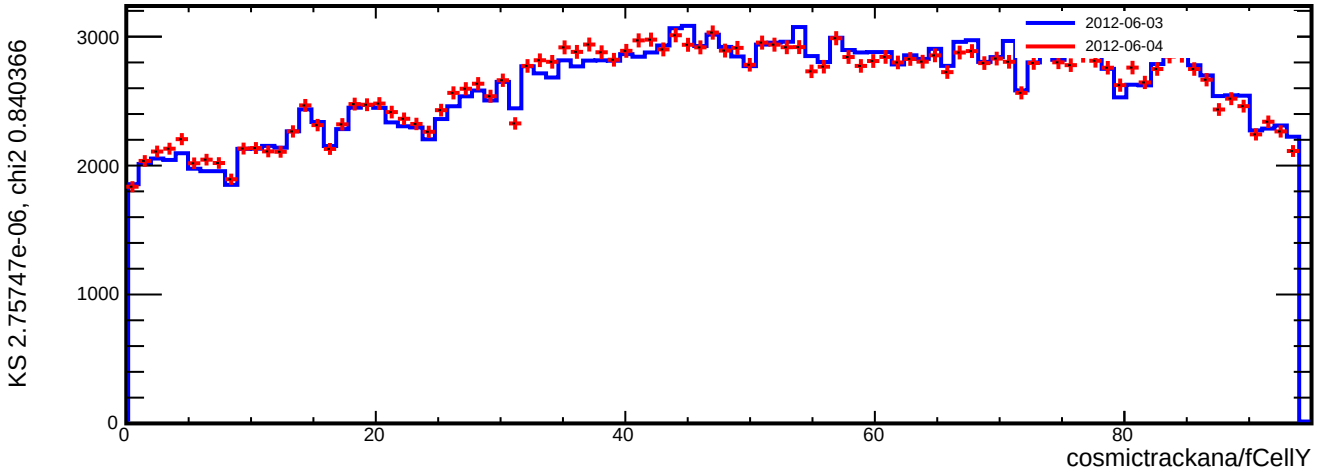
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellX

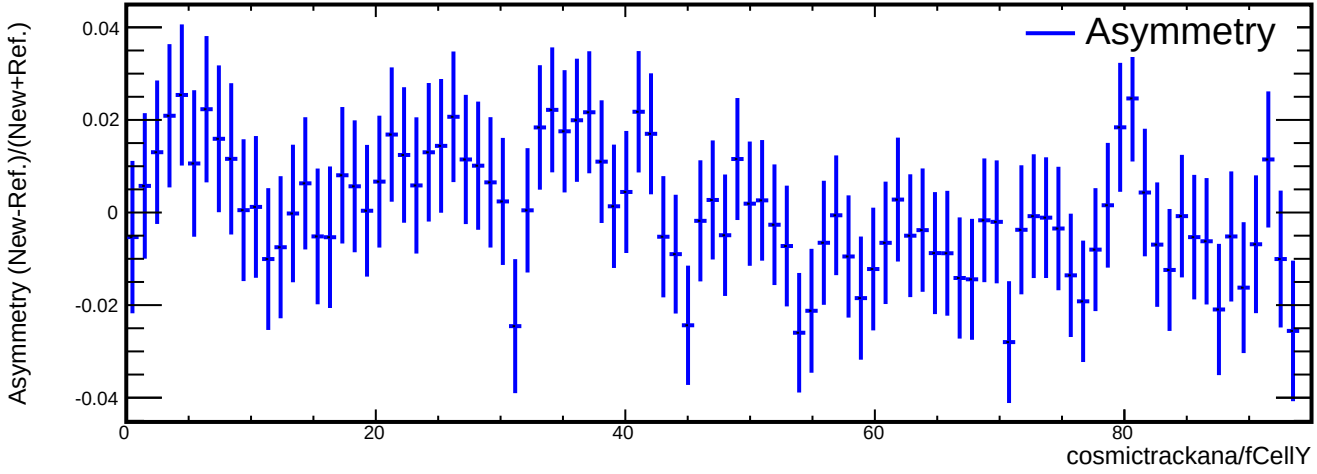

KS 0.000285686, chi2 0.000377876
2012-06-03
2012-06-04
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

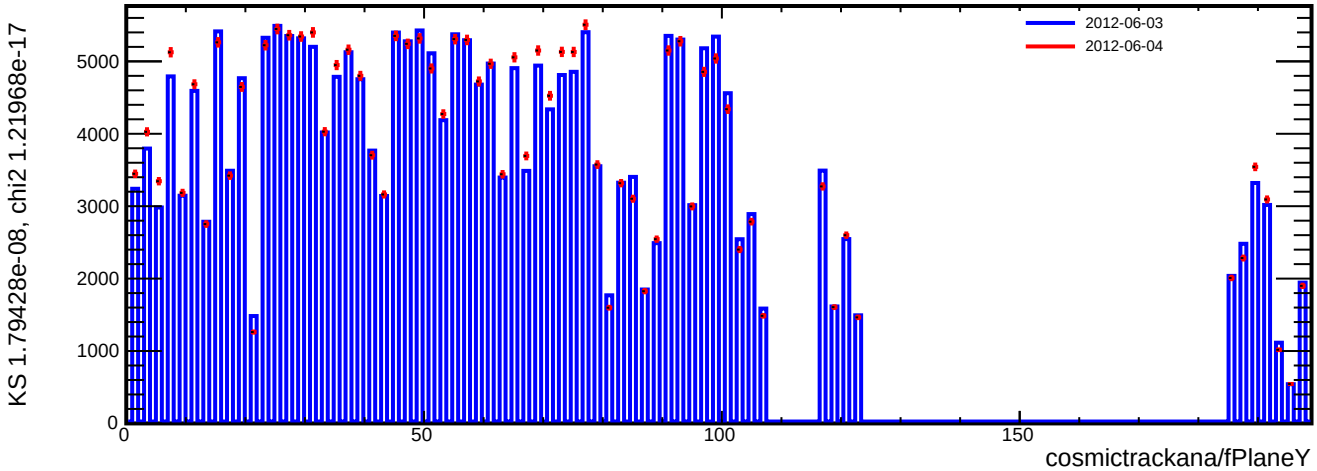

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
-0.1
0
50
100
150
cosmictrackana/fPlaneX

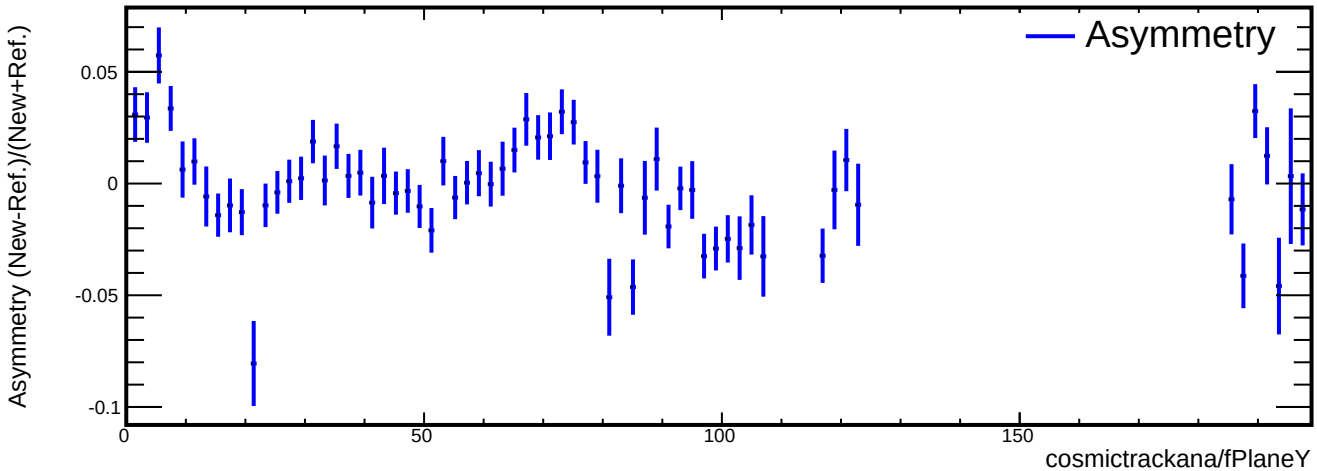

KS 3.37984e-11, chi2 0
2012-06-03
2012-06-04
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

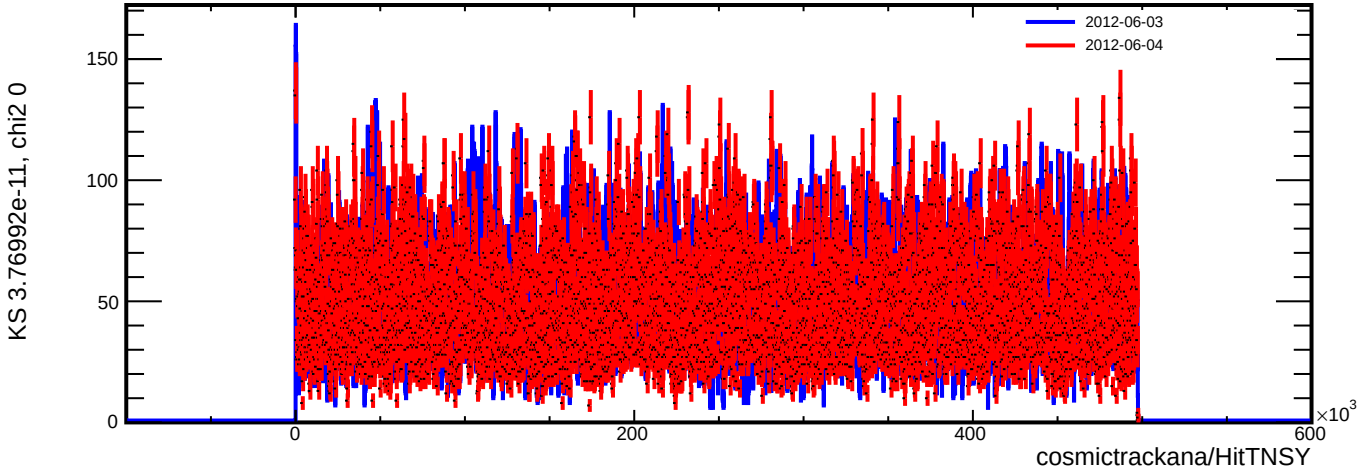

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
200
400
600
×10^3
cosmictrackana/HitTNSX


KS 2.75747e-06, chi2 0.840366
2012-06-03
2012-06-04
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 1.79428e-08, chi2 1.21968e-17
2012-06-03
2012-06-04
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


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


2012-06-03
2012-06-04
KS 3.76992e-11, chi2 0
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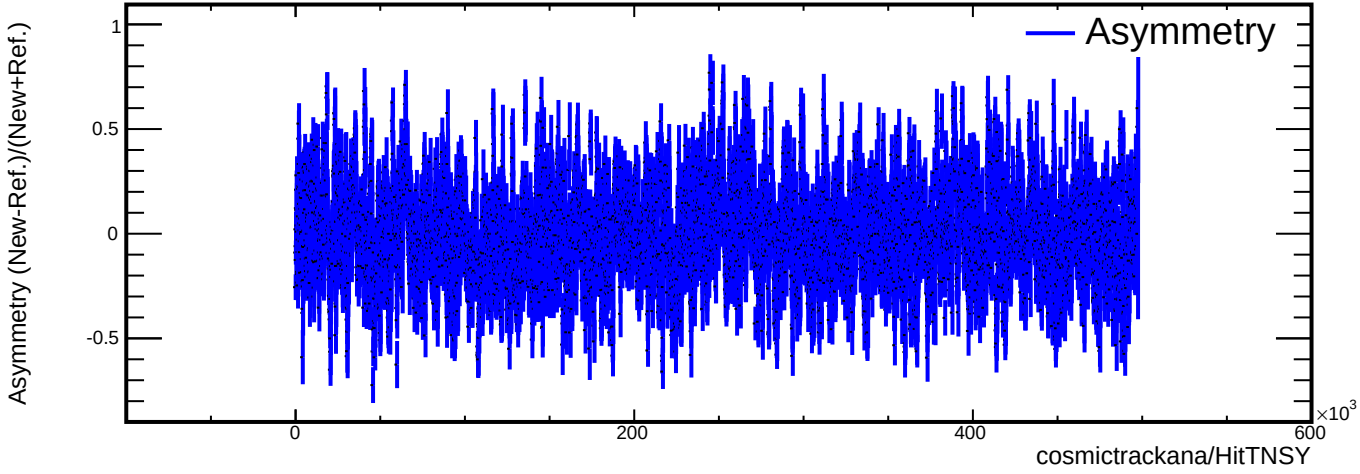
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


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