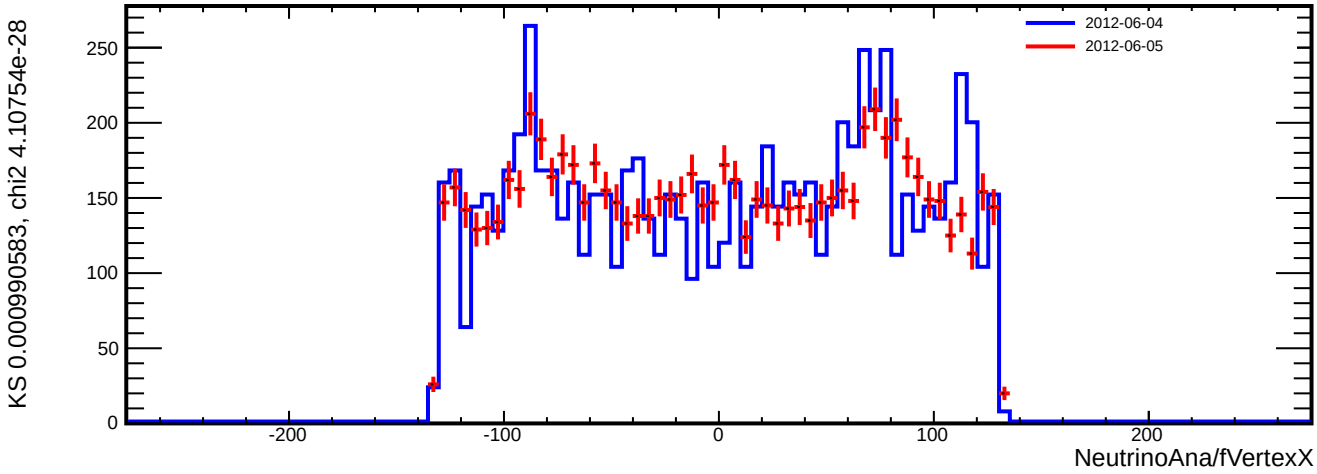
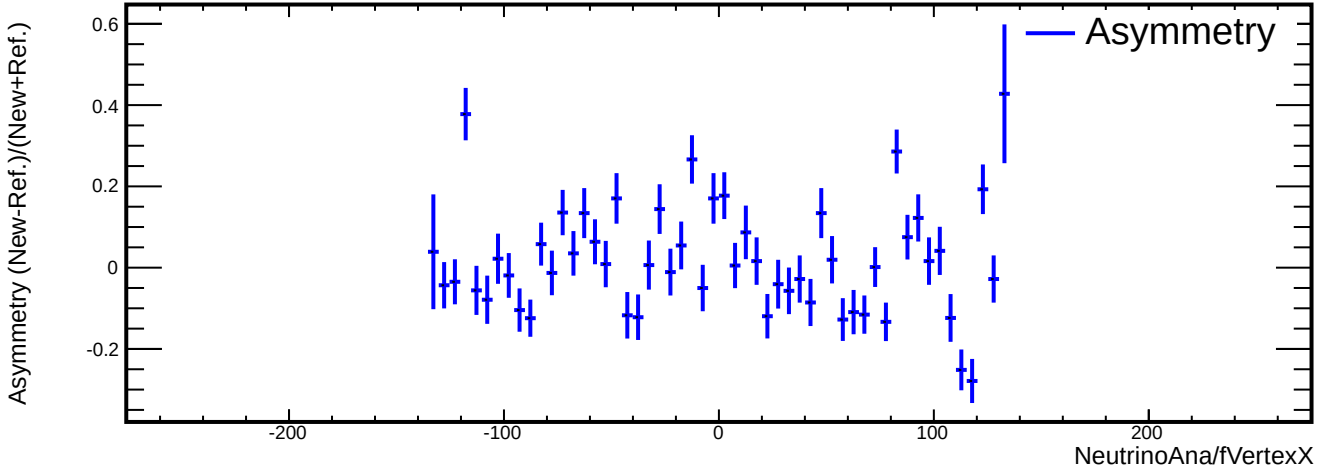
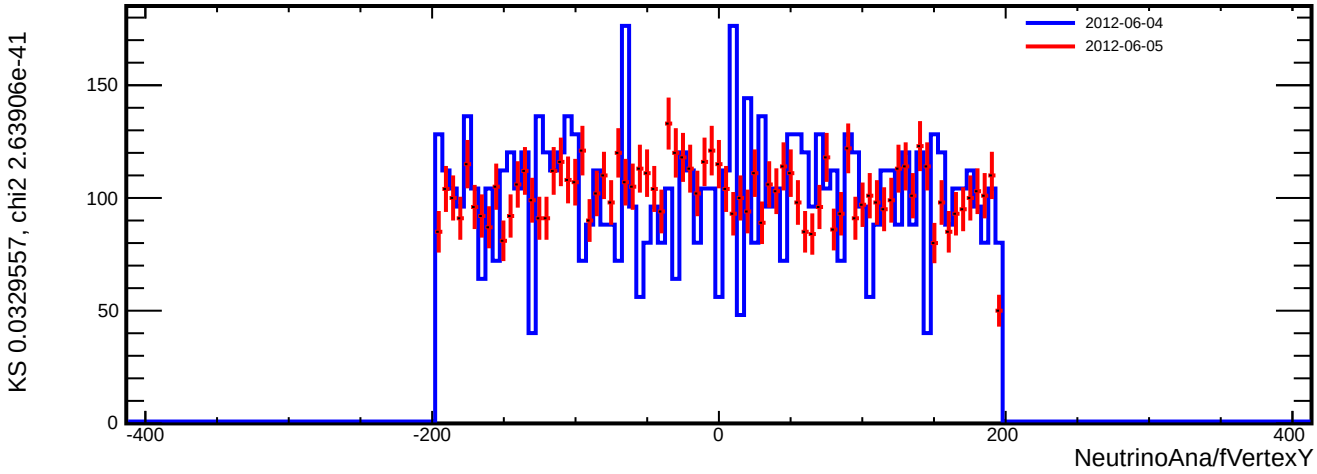
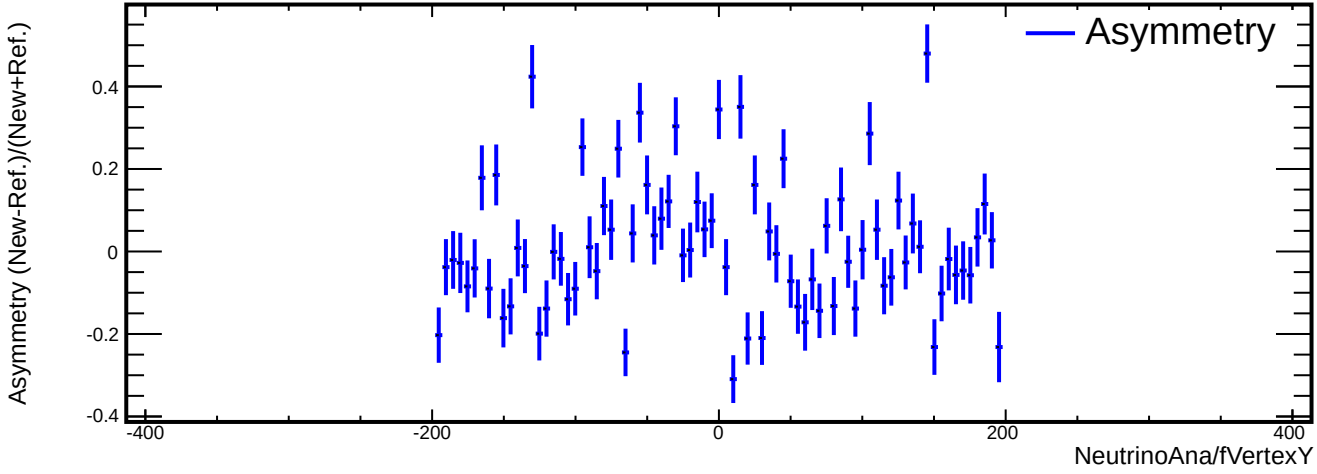
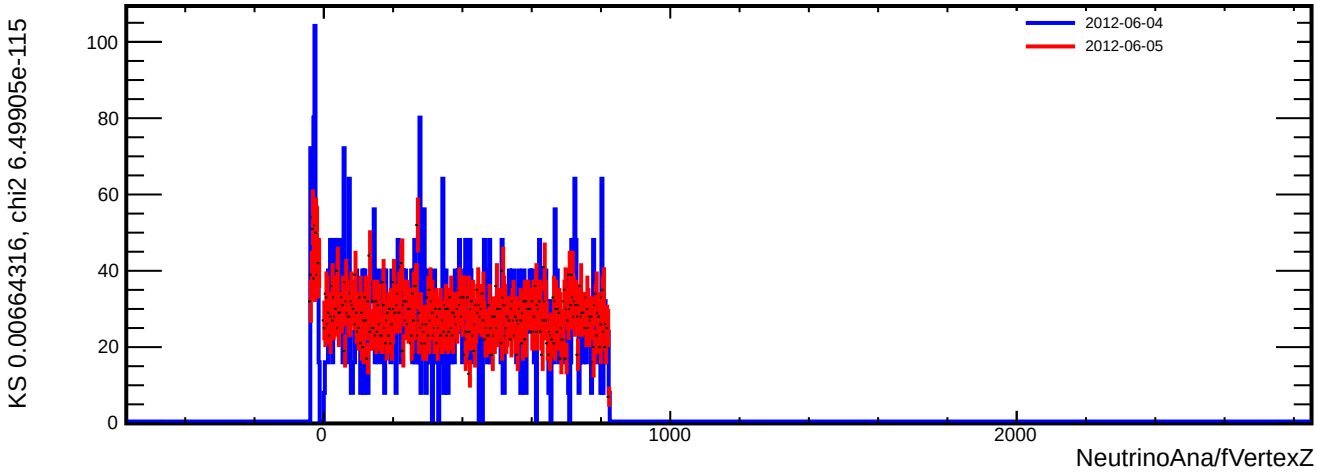
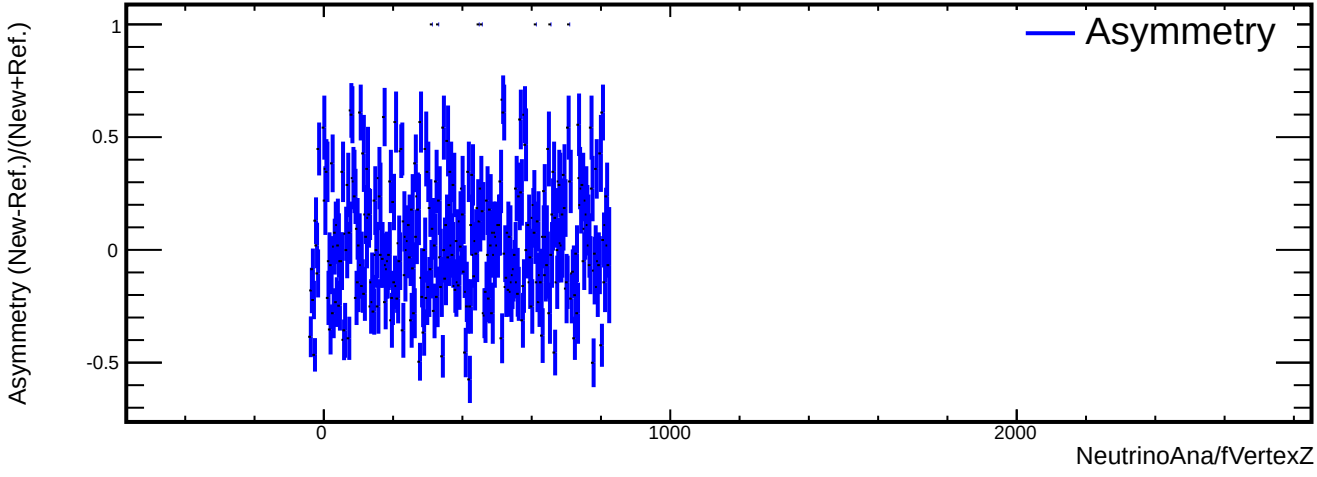

KS 0.000990583, chi2 4.10754e-28
2012-06-04
2012-06-05
250
200
150
100
50
0
-200
-100
0
100
200
NeutrinoAna/fVertexX

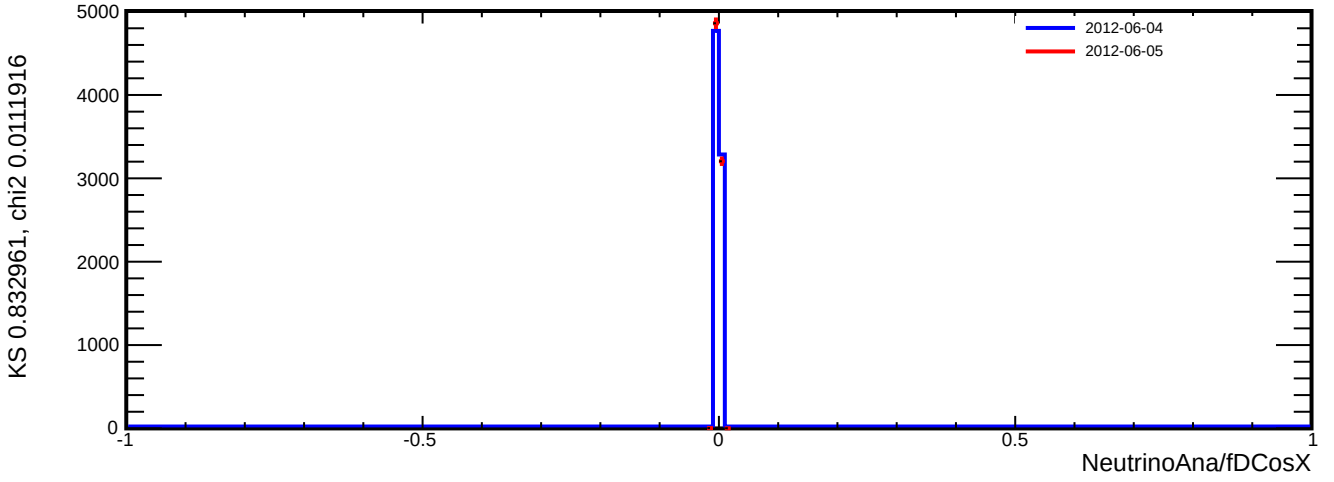

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.6
0.4
0.2
0
-0.2
-200
-100
0
100
200
NeutrinoAna/fVertexX

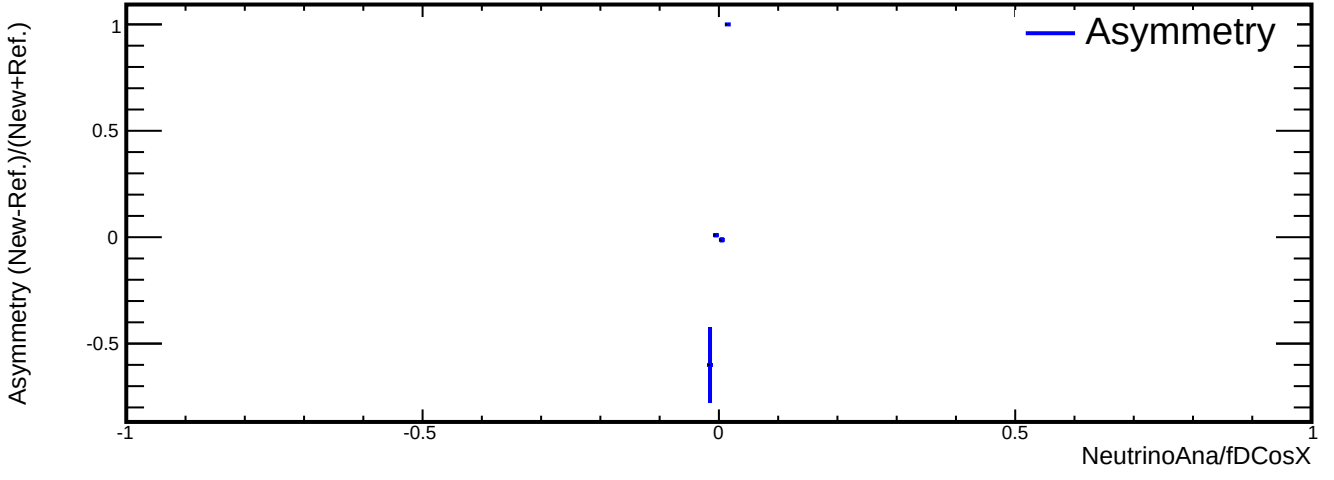

KS 0.0329557, chi2 2.63906e-41
2012-06-04
2012-06-05
150
100
50
0
-400
-200
0
200
400
NeutrinoAna/fVertexY

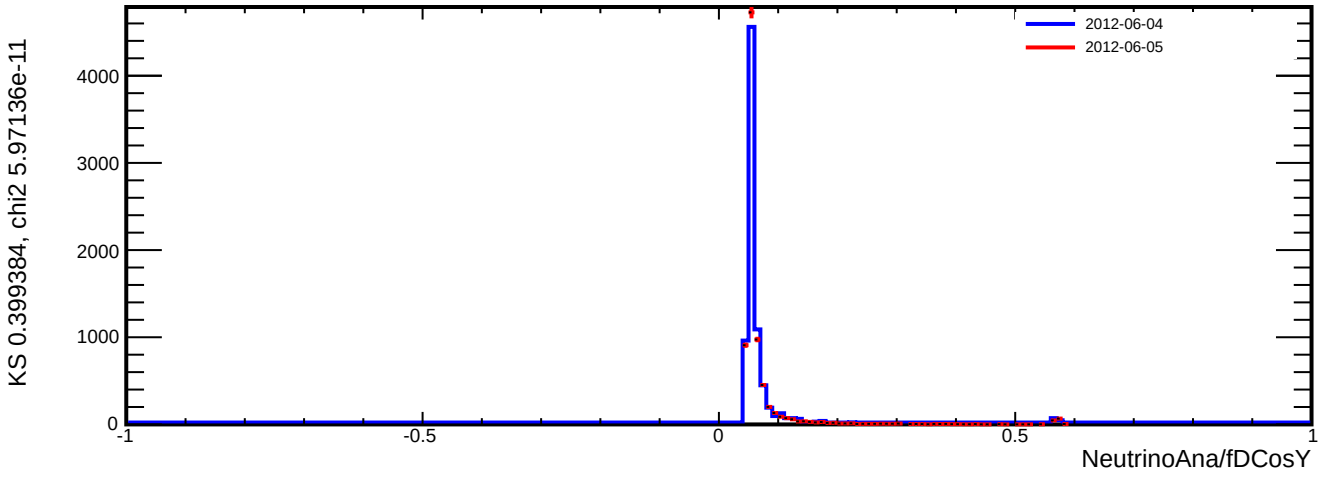

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-0.4
-400
-200
0
200
400
NeutrinoAna/fVertexY

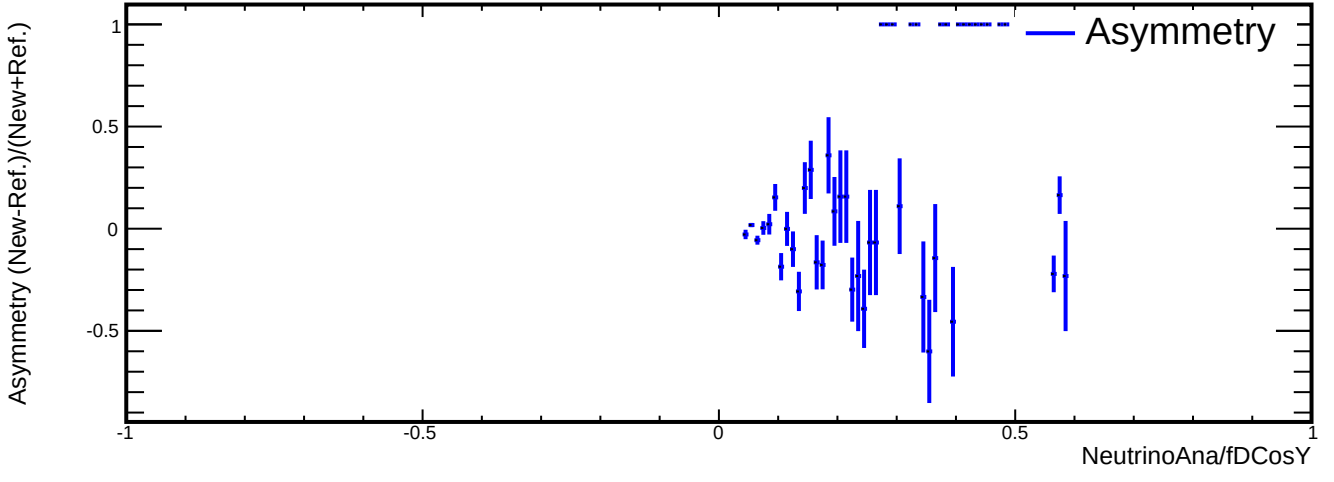

KS 0.00664316, chi2 6.49905e-115
2012-06-04
2012-06-05
100
80
60
40
20
0
0
1000
2000
NeutrinoAna/fVertexZ

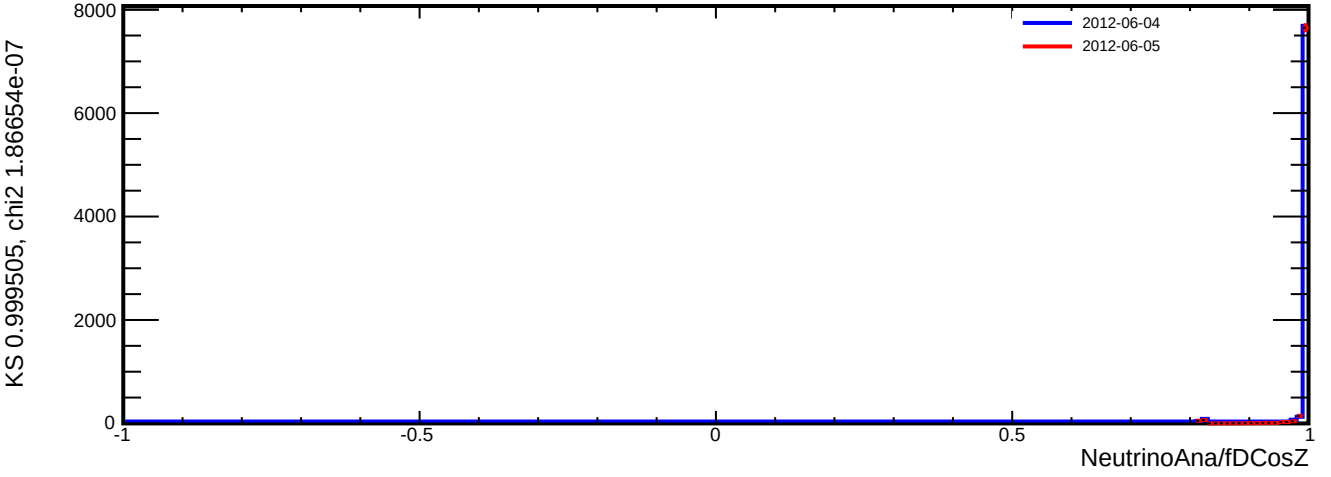

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
1000
2000
NeutrinoAna/fVertexZ


KS 0.832961, chi2 0.0111916
5000
4000
3000
2000
1000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosX
2012-06-04
2012-06-05


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


KS 0.399384, chi2 5.97136e-11
2012-06-04
2012-06-05
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
-0.5
0
0.5
1
NeutrinoAna/fDCosY


KS 0.999505, chi2 1.86654e-07
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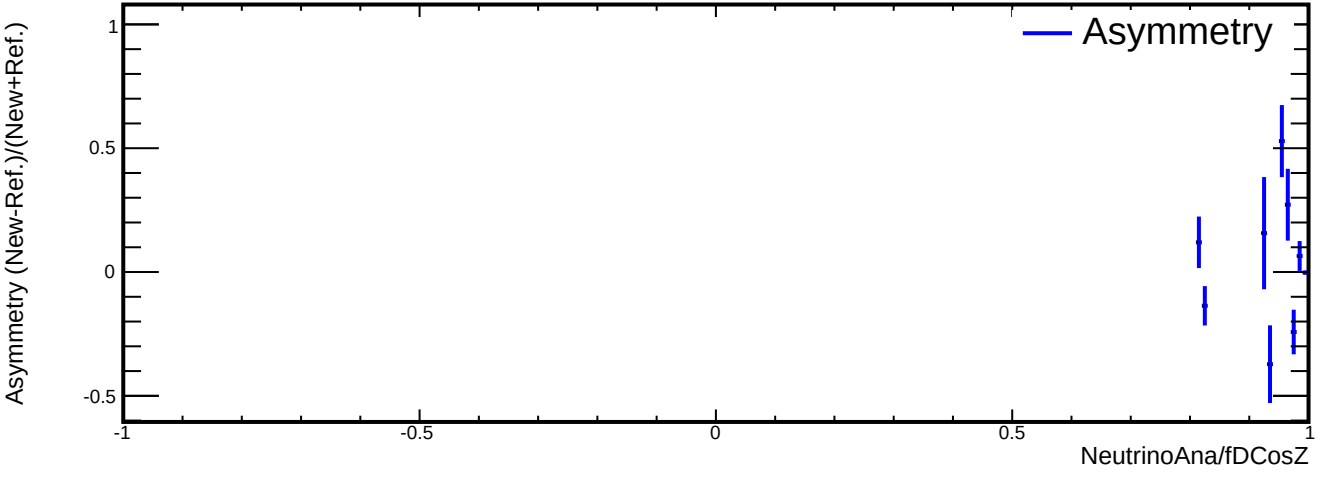
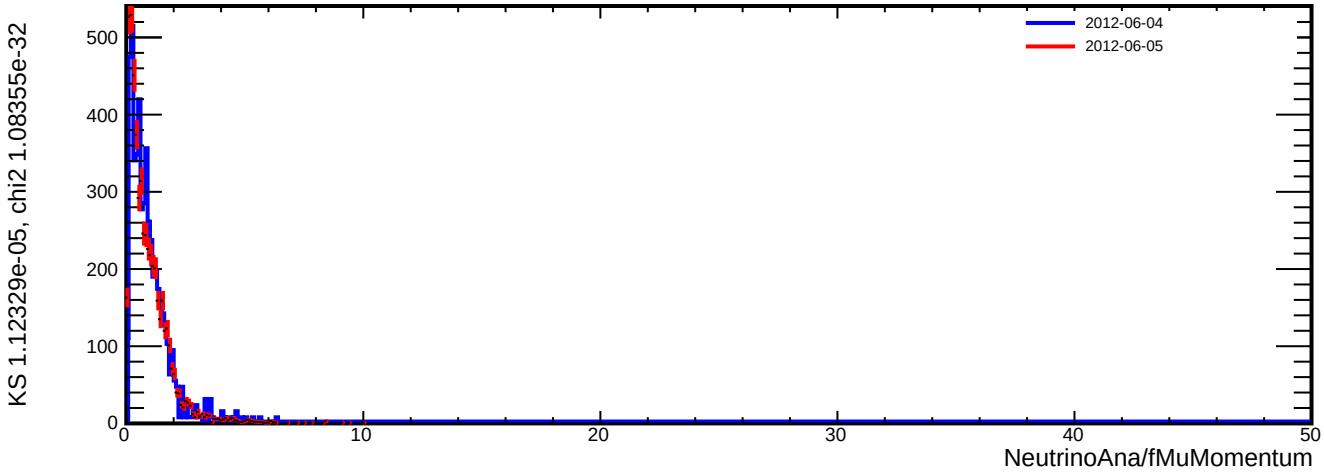
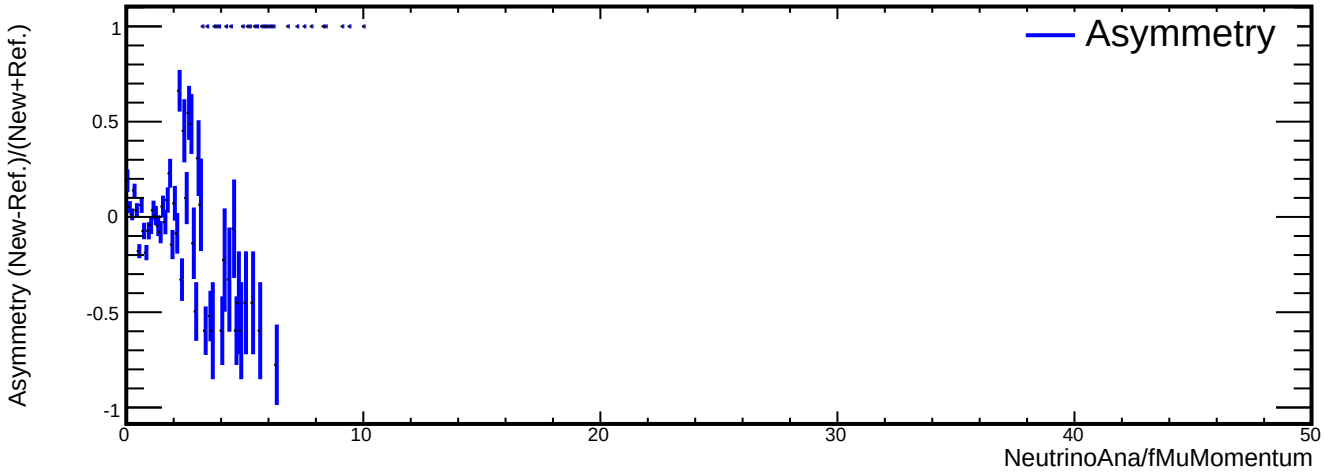
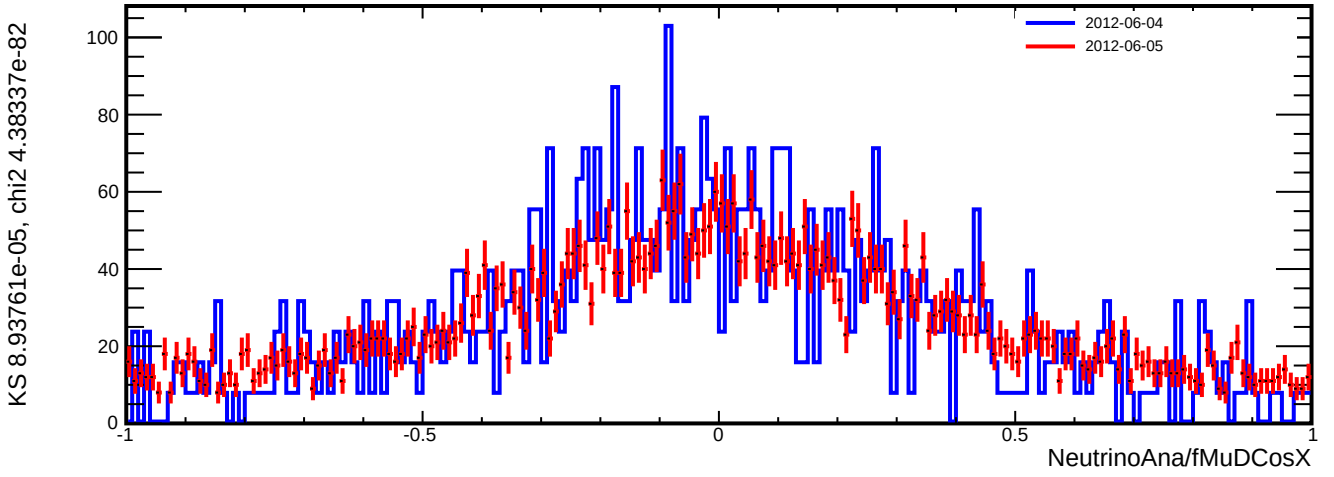
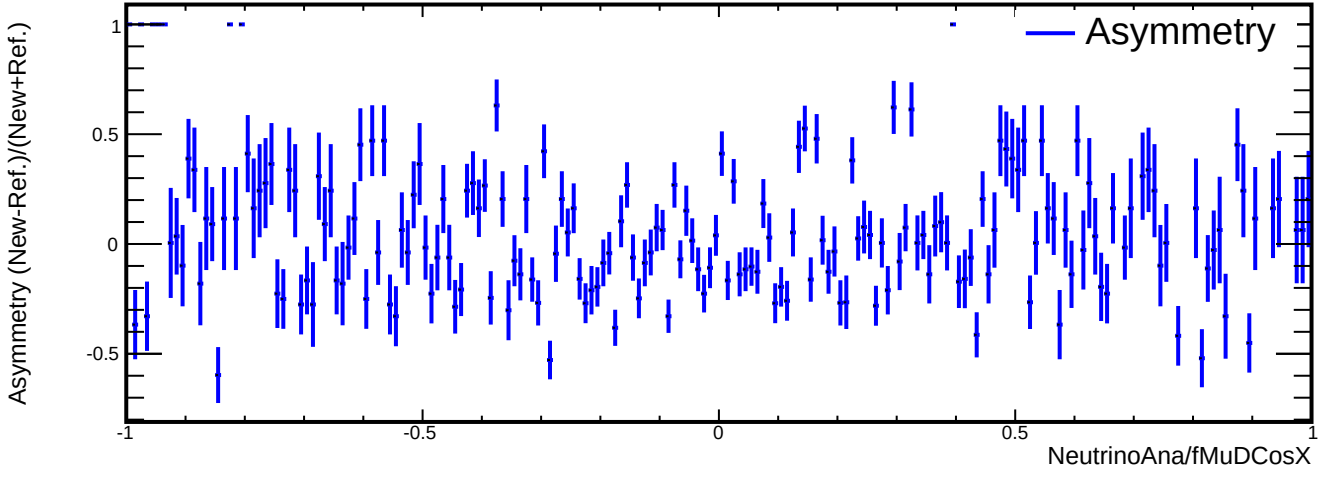
6000
4000
2000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosZ
2012-06-04
2012-06-05

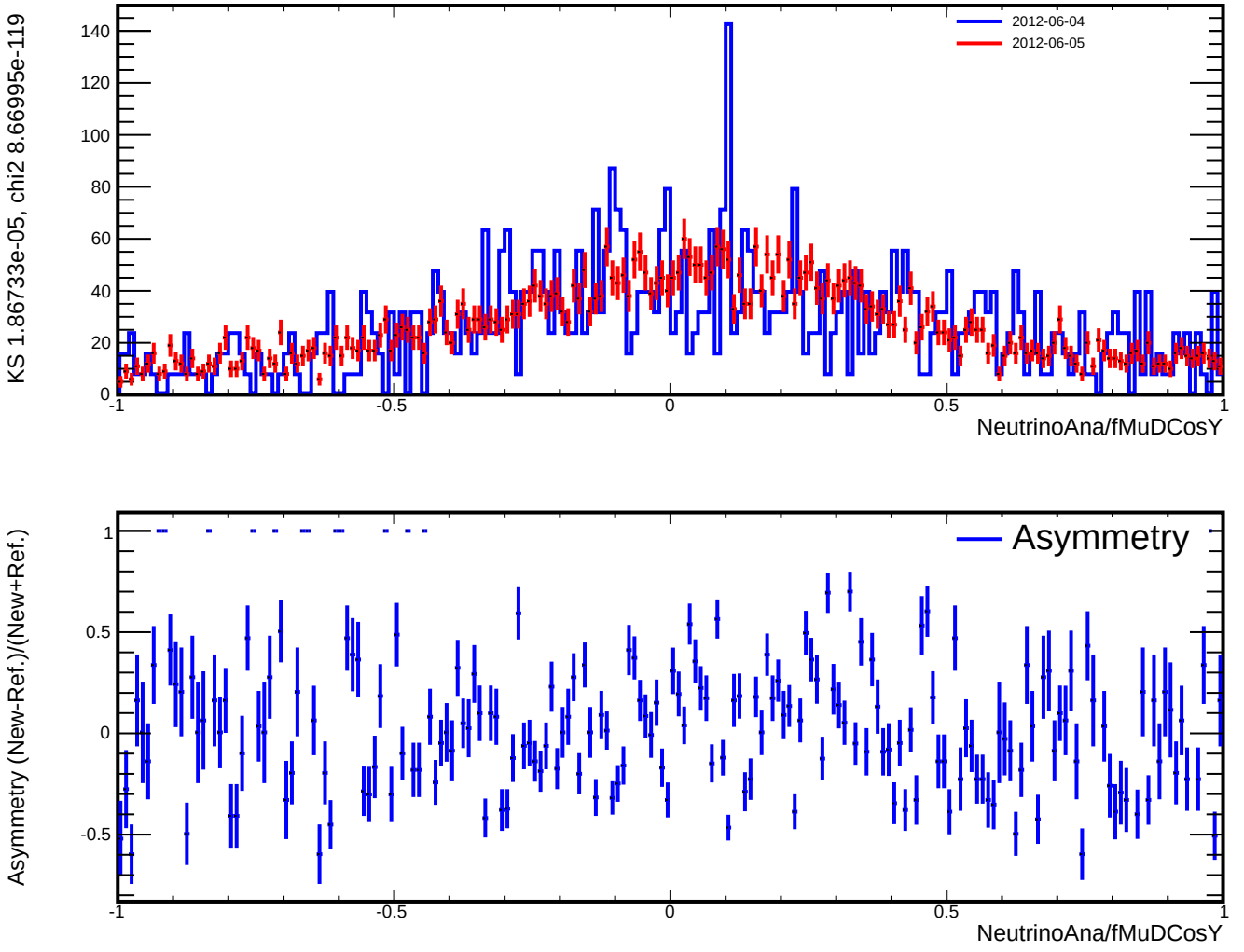

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosZ
Asymmetry

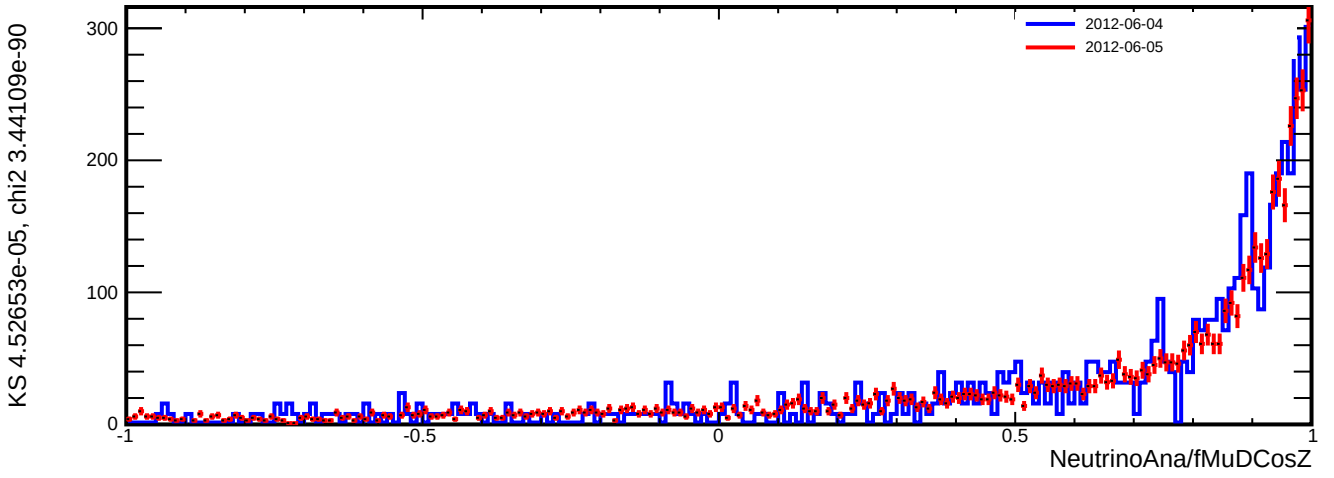

KS 1.12329e-05, chi2 1.08355e-32
2012-06-04
2012-06-05
NeutrinoAna/fMuMomentum

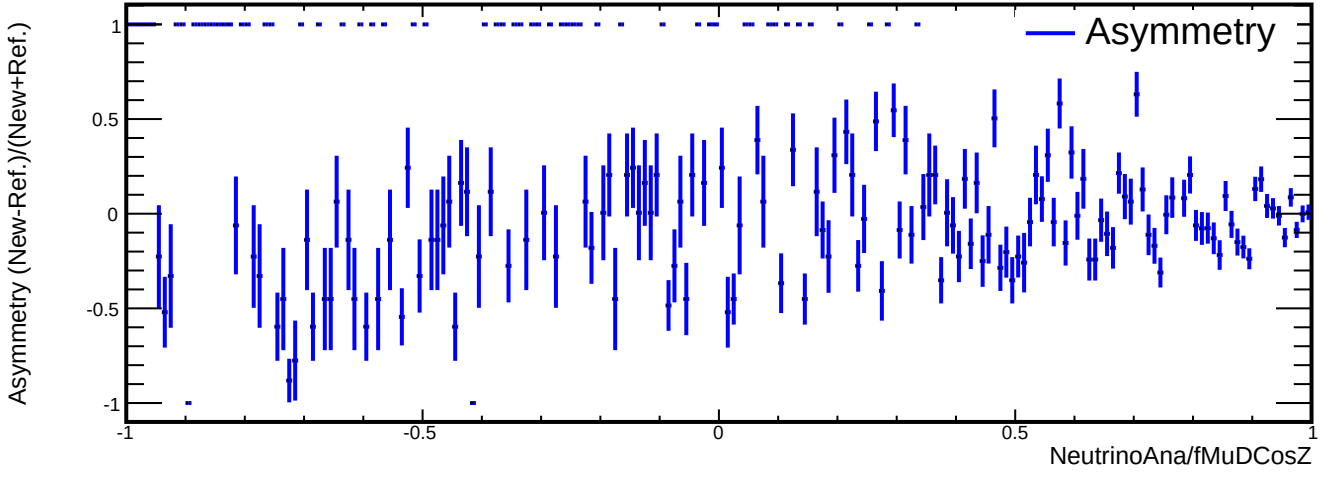

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fMuMomentum

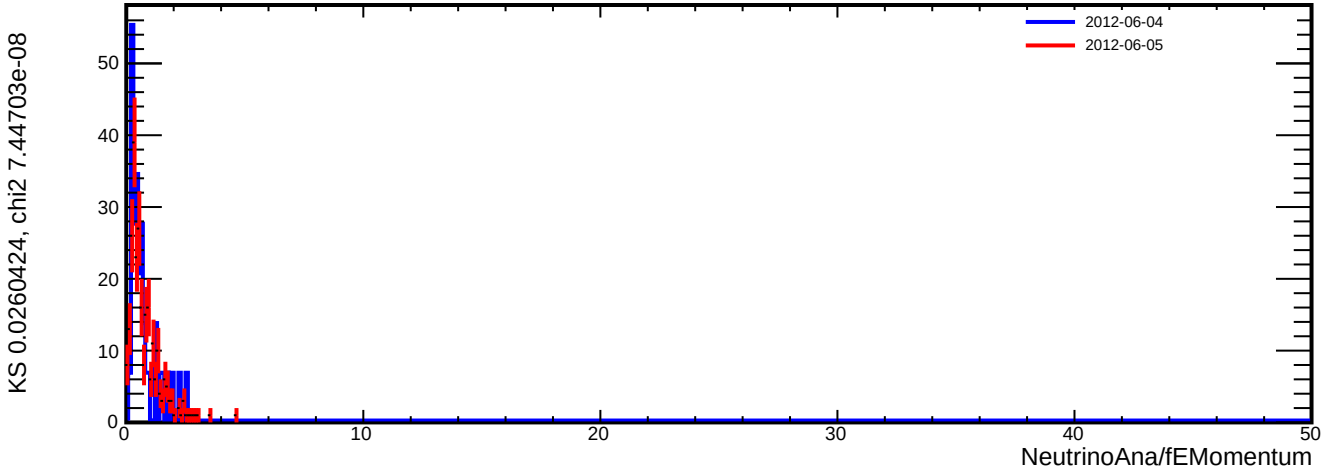

KS 8.93761e-05, chi2 4.38337e-82
2012-06-04
2012-06-05
100
80
60
40
20
0
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosX

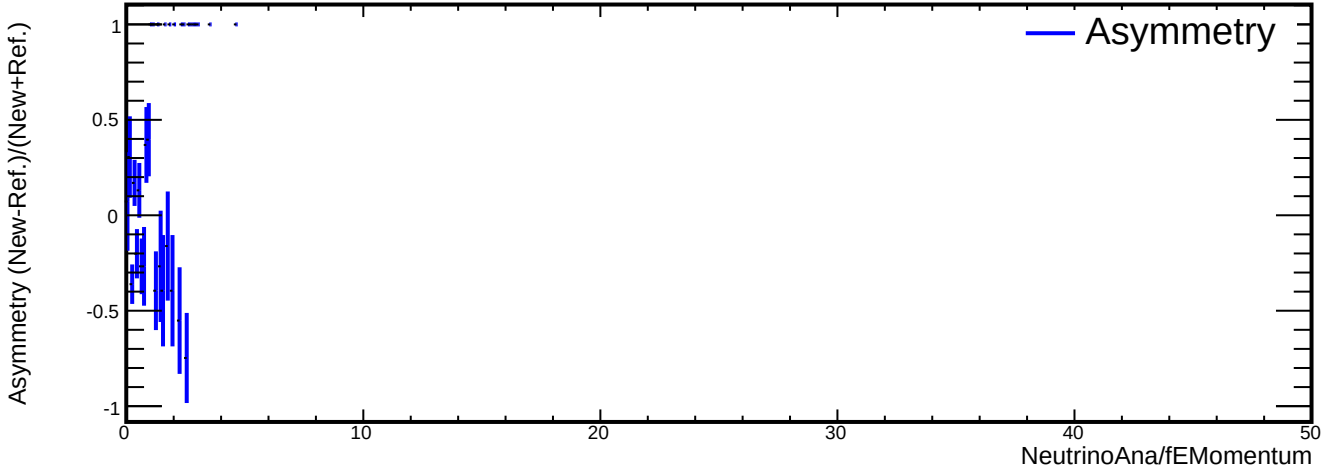

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosX

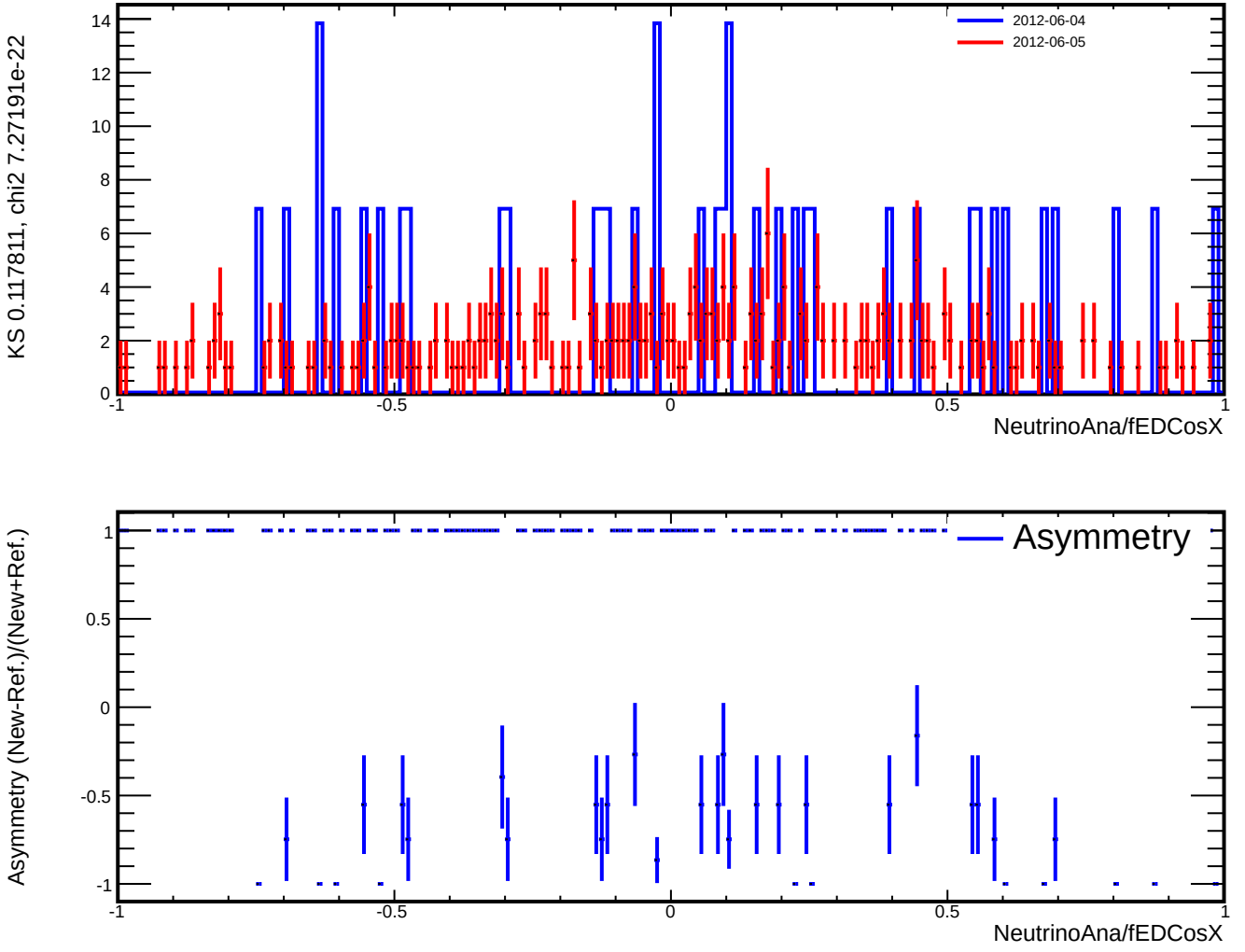

KS 1.86733e-05, chi2 8.66995e-119
2012-06-04
2012-06-05
NeutrinoAna/fMuDCosY
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fMuDCosY

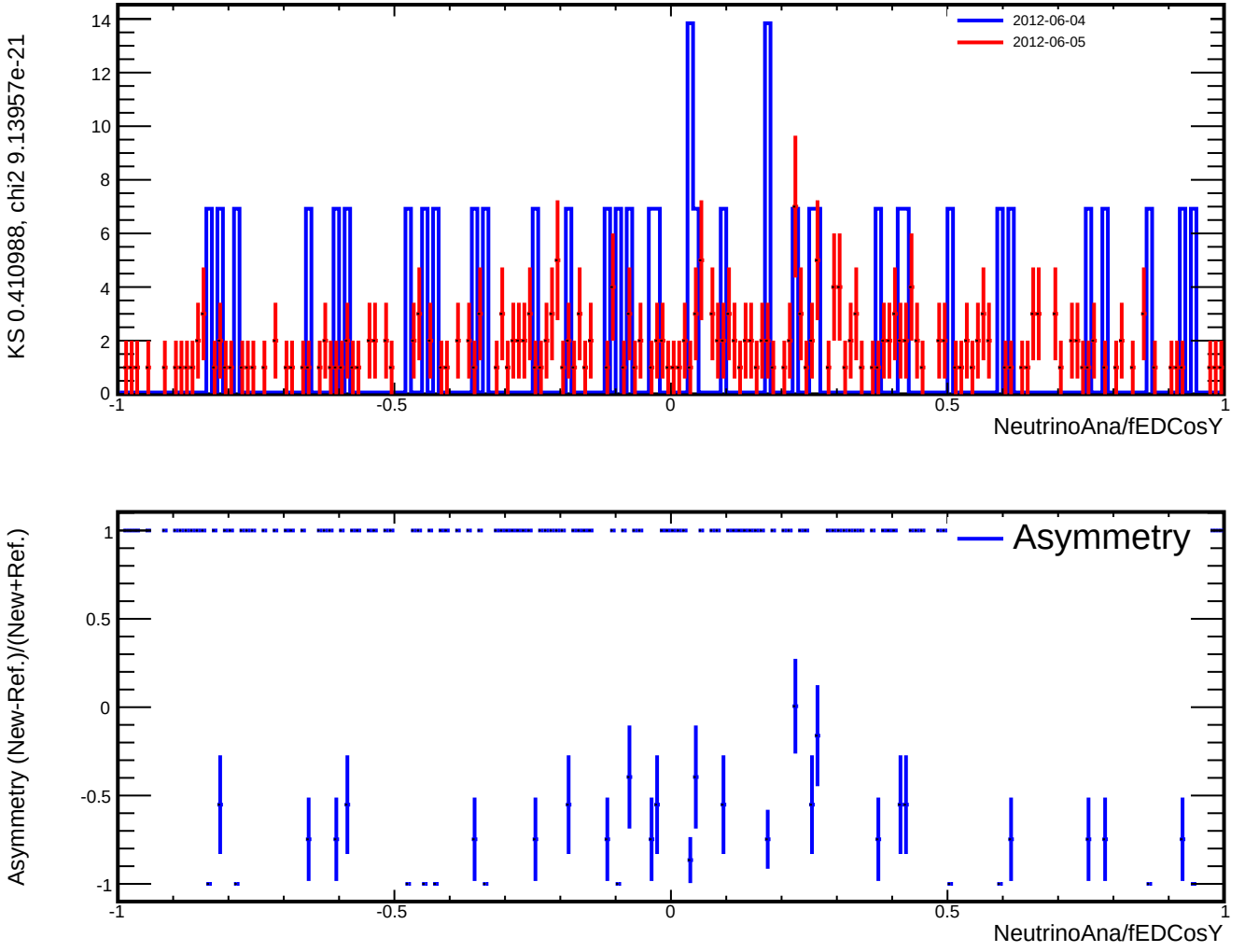

KS 4.52653e-05, chi2 3.44109e-90
2012-06-04
2012-06-05
300
200
100
0
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosZ

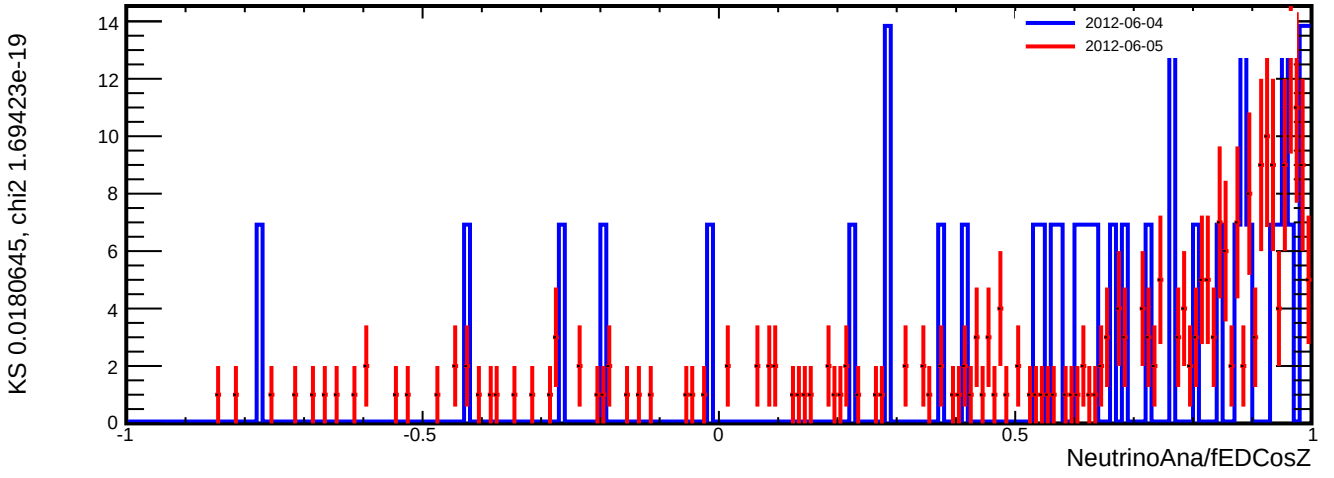

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosZ

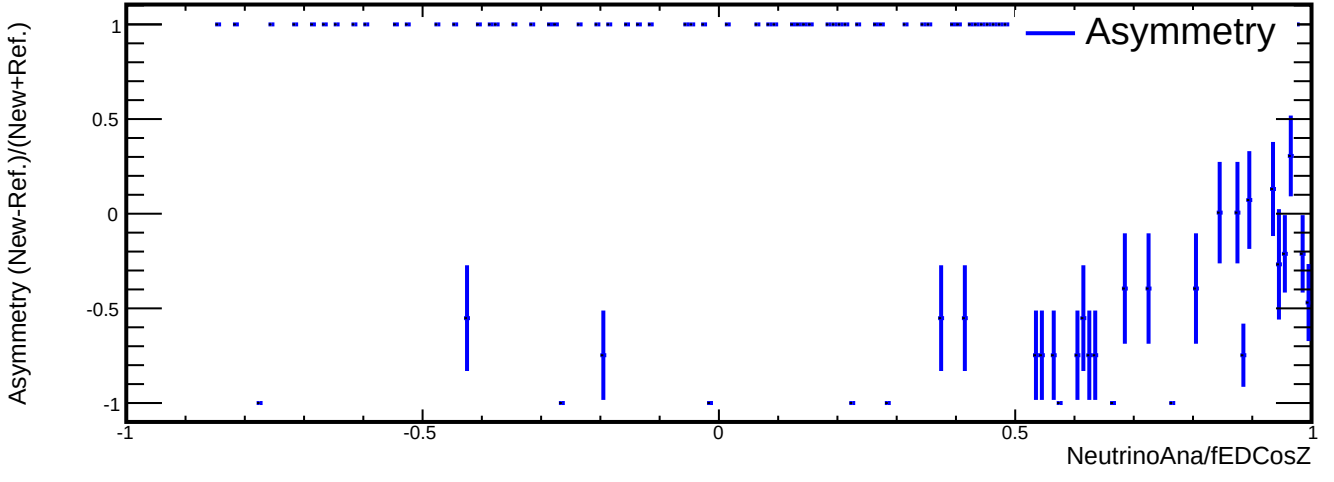

KS 0.0260424, chi2 7.44703e-08
2012-06-04
2012-06-05
0
10
20
30
40
50
NeutrinoAna/fEMomentum

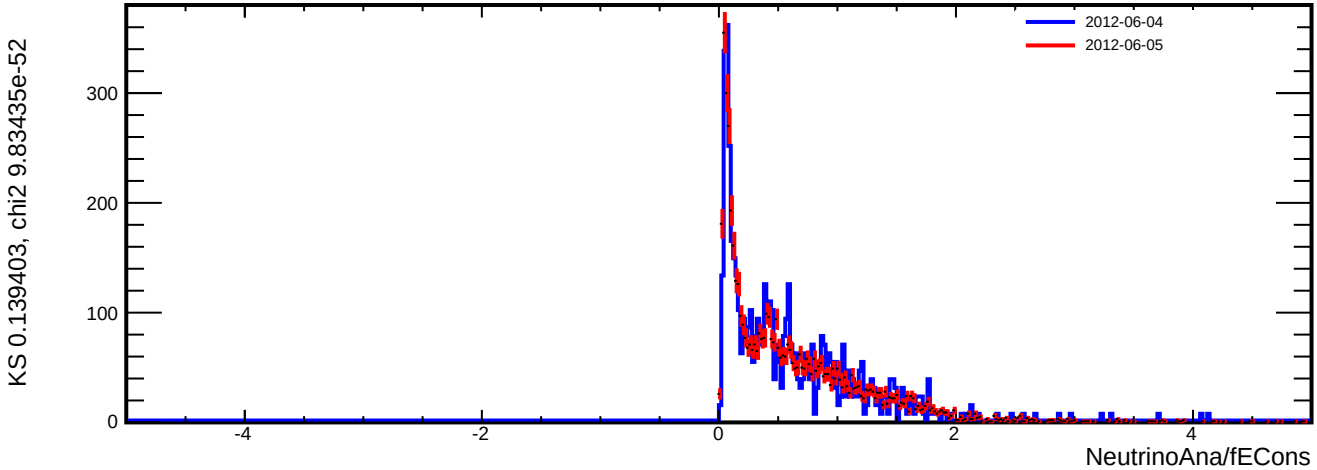

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
NeutrinoAna/fEMomentum

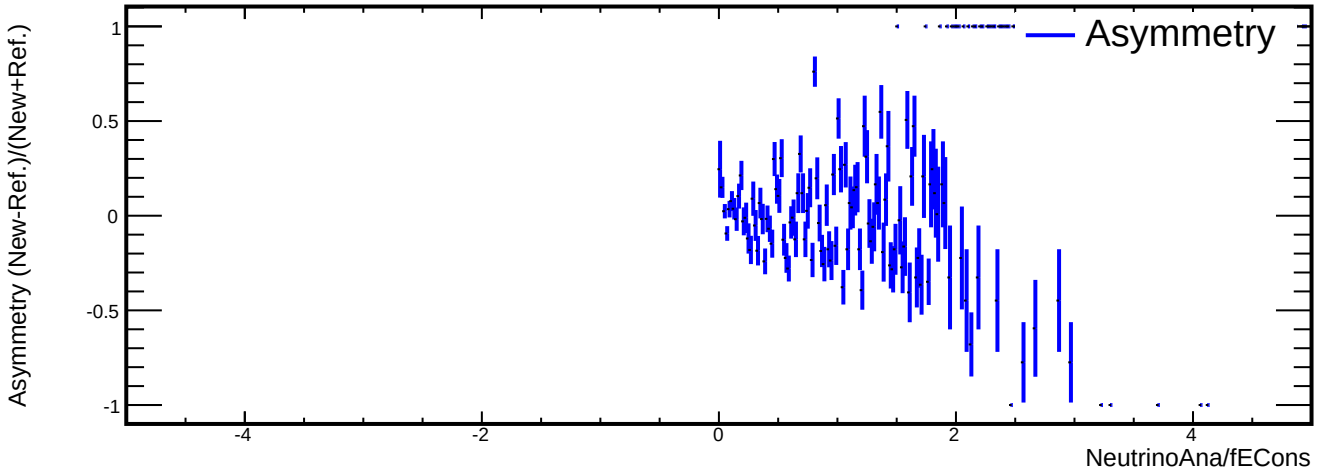

KS 0.117811, chi2 7.27191e-22
2012-06-04
2012-06-05
NeutrinoAna/fEDCosX
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fEDCosX

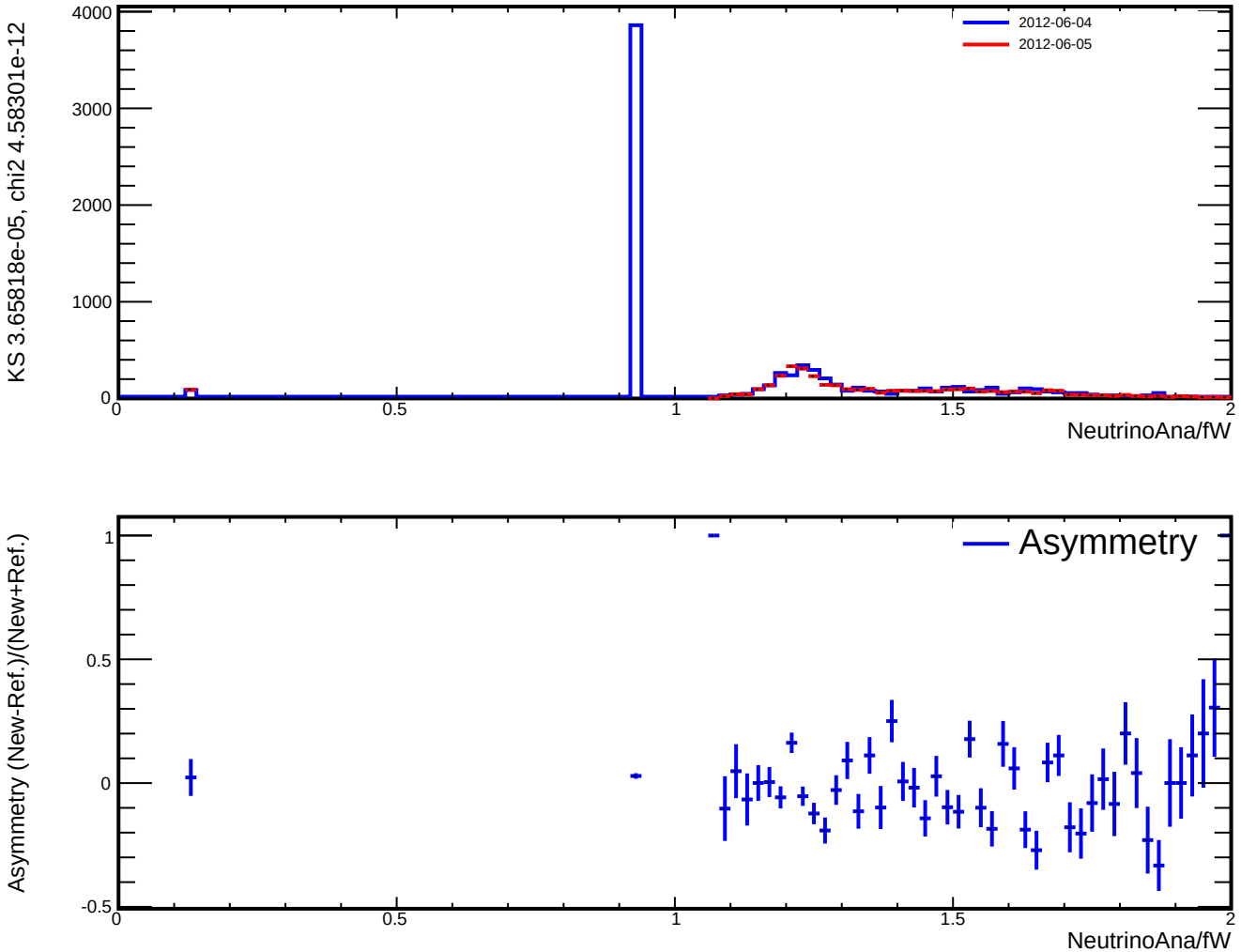

KS 0.410988, chi2 9.13957e-21
2012-06-04
2012-06-05
NeutrinoAna/fEDCosY
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fEDCosY

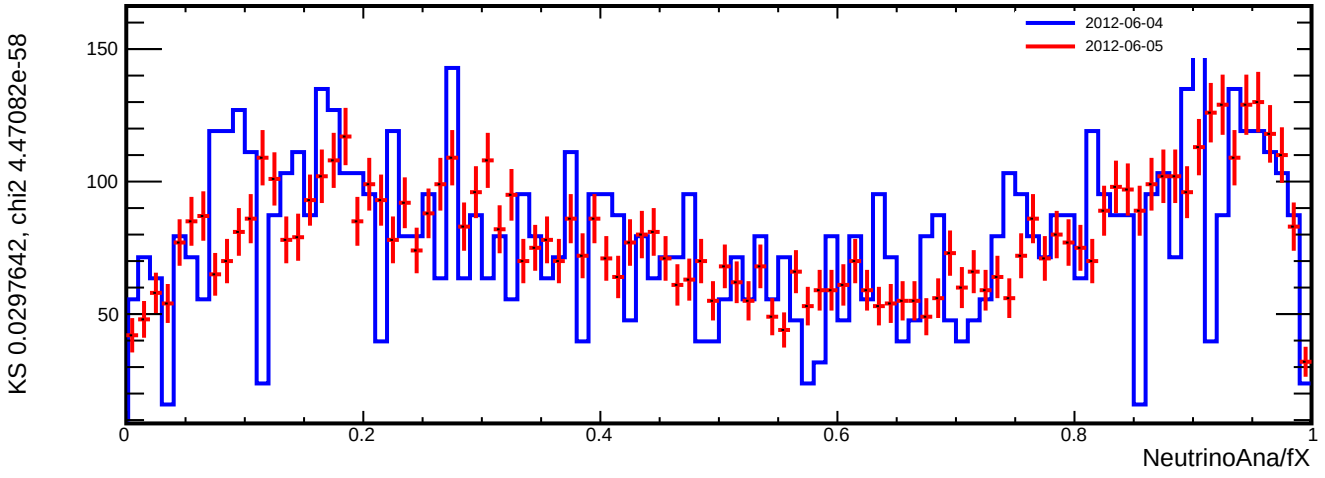

KS 0.0180645, chi2 1.69423e-19
2012-06-04
2012-06-05
NeutrinoAna/fEDCosZ

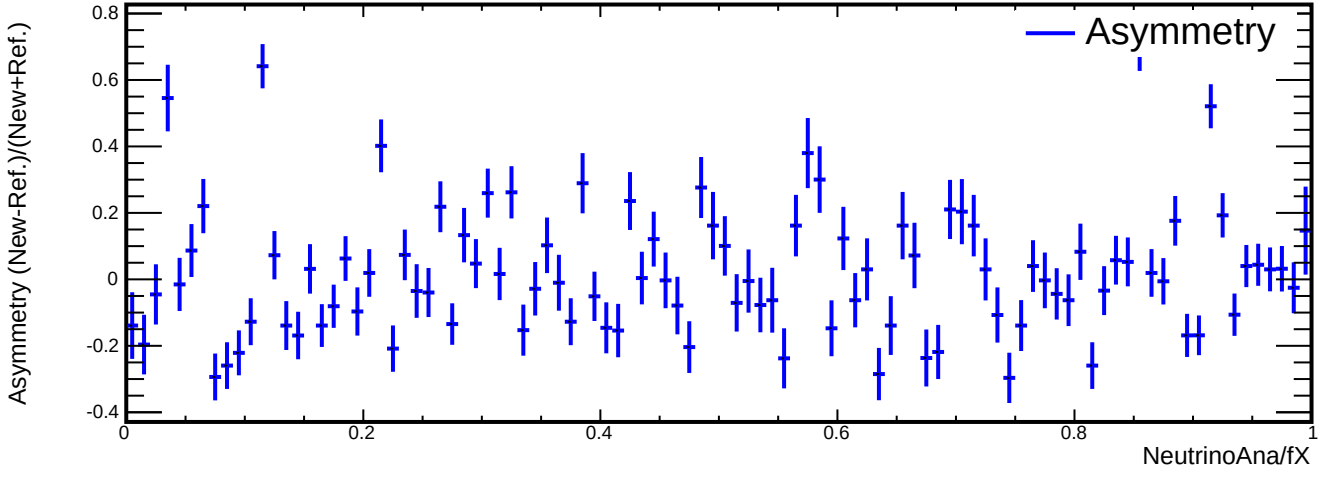

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fEDCosZ

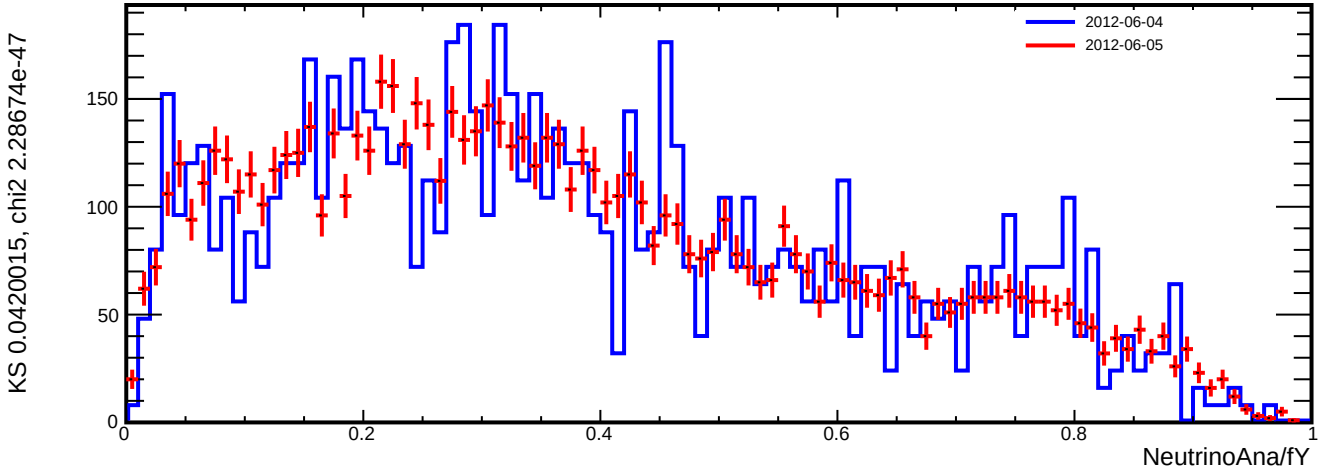

KS 0.139403, chi2 9.83435e-52
2012-06-04
2012-06-05
300
200
100
0
-4
-2
0
2
4
NeutrinoAna/fECons

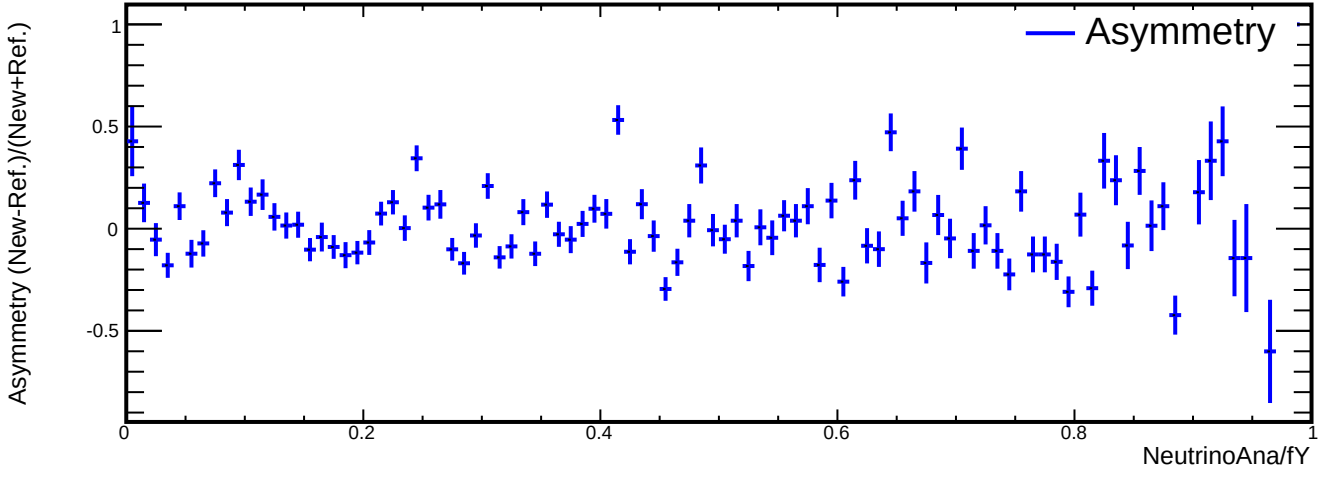

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-4
-2
0
2
4
NeutrinoAna/fECons

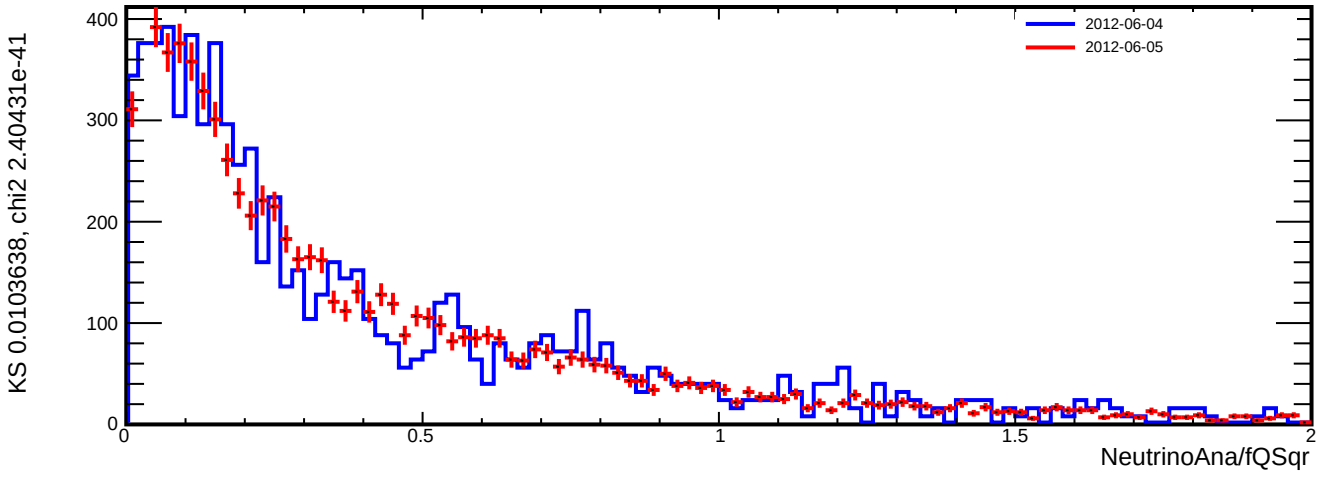

KS 3.65818e-05, chi2 4.58301e-12
2012-06-04
2012-06-05
NeutrinoAna/fW
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fW

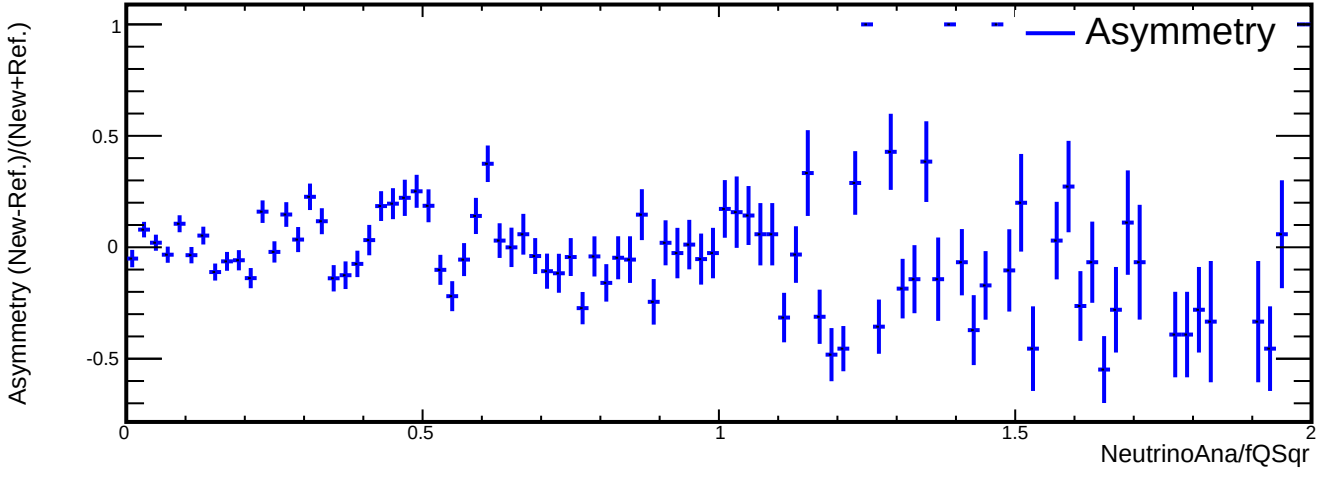

KS 0.0297642, chi2 4.47082e-58
2012-06-04
2012-06-05
150
100
50
0
0.2
0.4
0.6
0.8
1
NeutrinoAna/fX

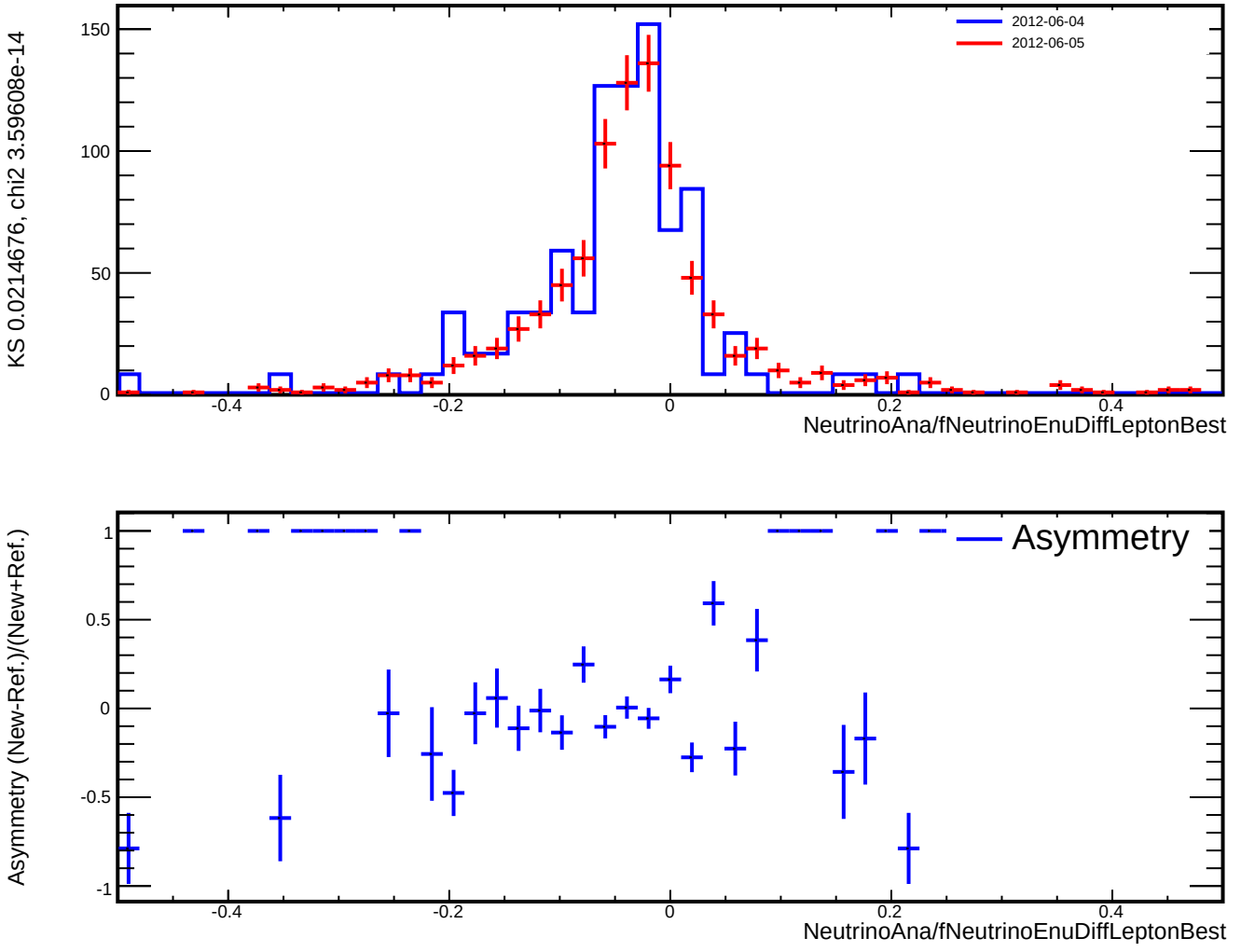

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.8
0.6
0.4
0.2
0
-0.2
-0.4
0
0.2
0.4
0.6
0.8
1
NeutrinoAna/fX

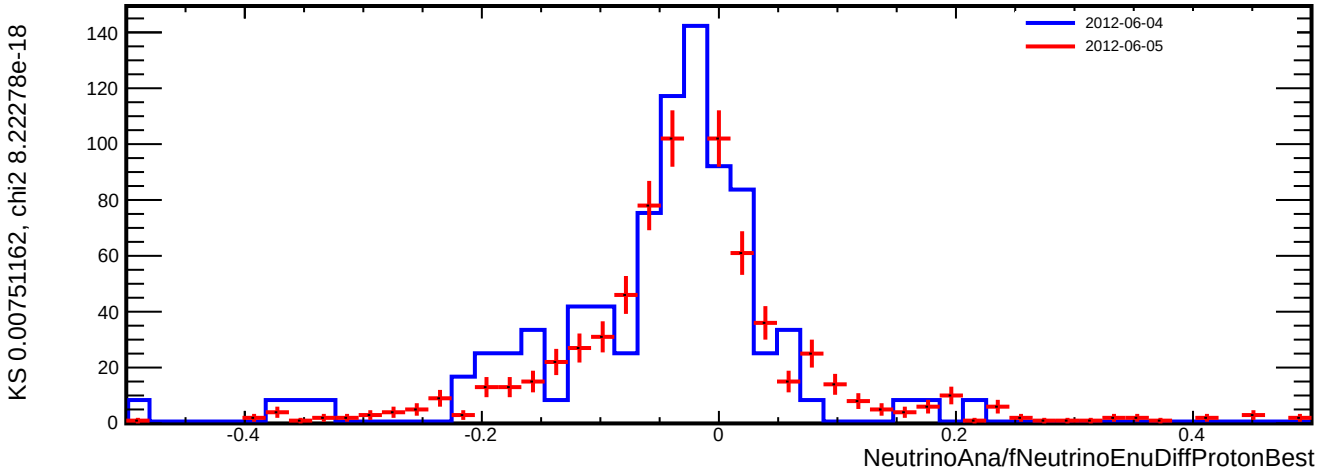

KS 0.0420015, chi2 2.28674e-47
2012-06-04
2012-06-05
0
50
100
150
0
0.2
0.4
0.6
0.8
1
NeutrinoAna/fY

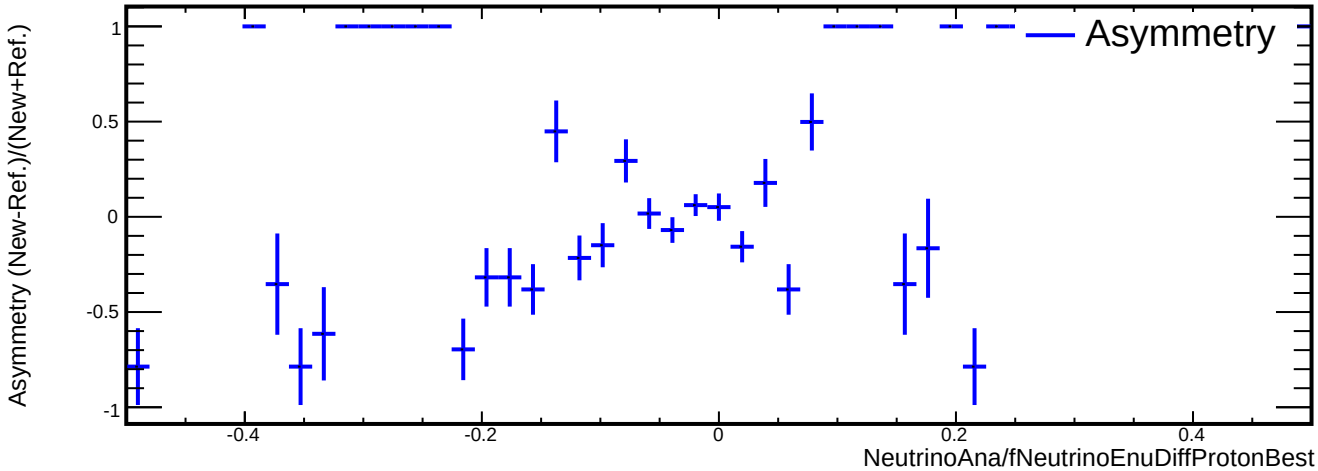

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
0.2
0.4
0.6
0.8
1
NeutrinoAna/fY

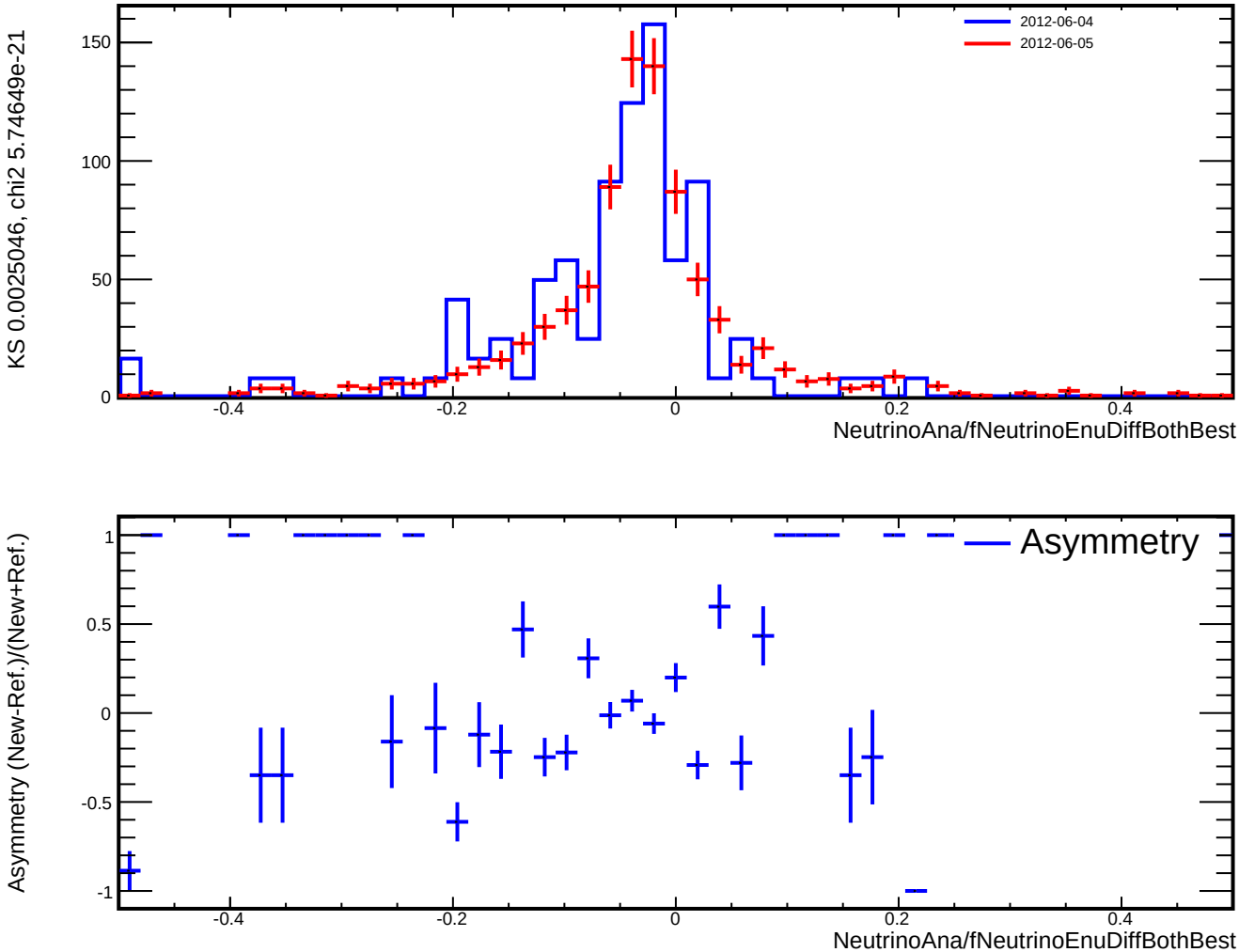

KS 0.0103638, chi2 2.40431e-41
2012-06-04
2012-06-05
NeutrinoAna/fQSqr

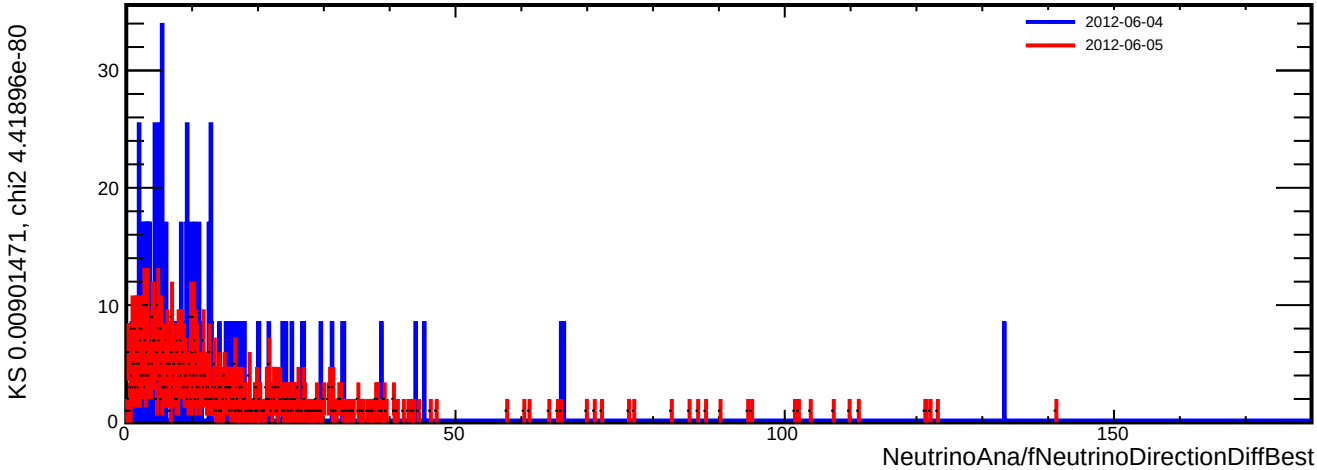

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fQSqr

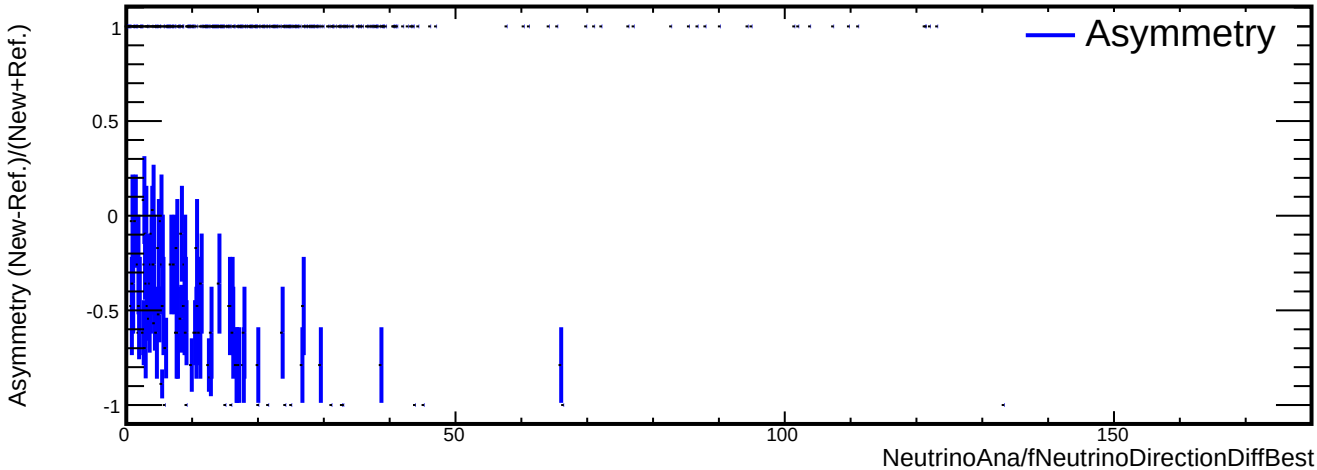

KS 0.0214676, chi2 3.59608e-14
2012-06-04
2012-06-05
NeutrinoAna/fNeutrinoEnuDiffLeptonBest
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fNeutrinoEnuDiffLeptonBest

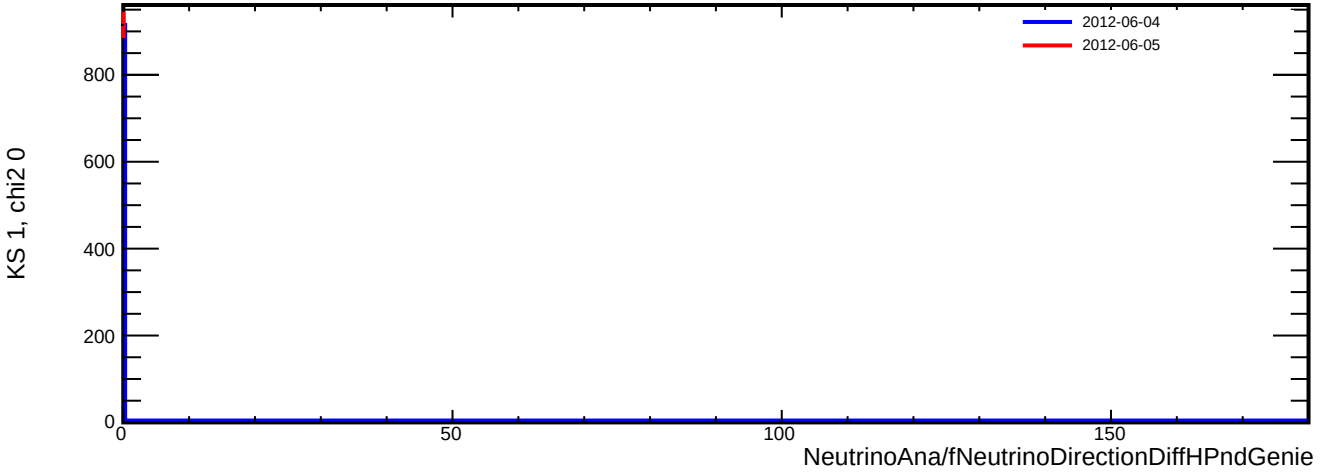

KS 0.00751162, chi2 8.22278e-18
2012-06-04
2012-06-05
NeutrinoAna/fNeutrinoEnuDiffProtonBest

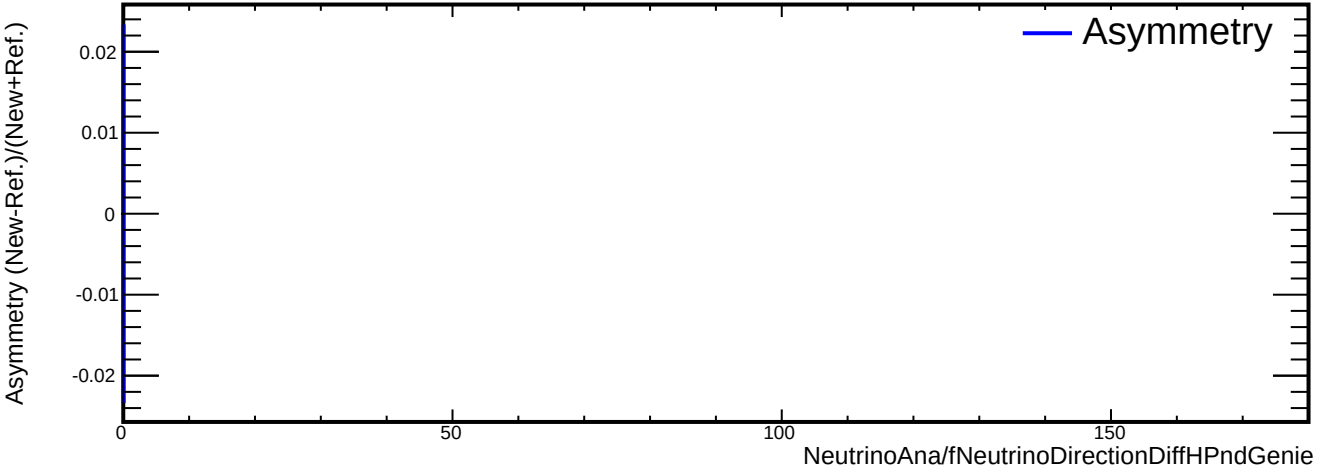

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fNeutrinoEnuDiffProtonBest

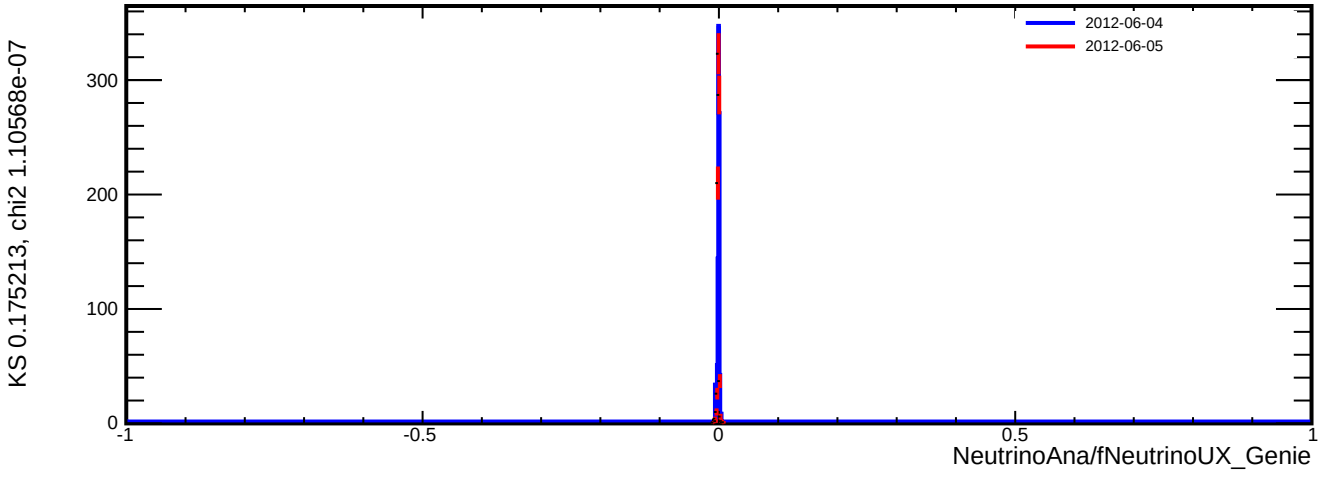

KS 0.0025046, chi2 5.74649e-21
2012-06-04
2012-06-05
150
100
50
0
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffBothBest
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffBothBest

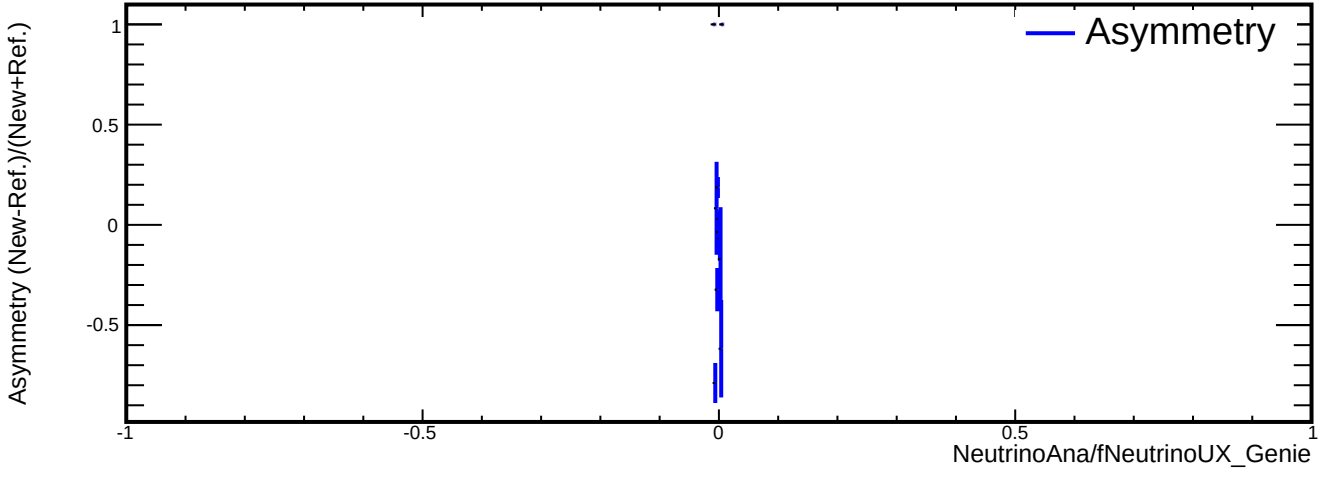

KS 0.00901471, chi2 4.41896e-80
2012-06-04
2012-06-05
0
10
20
30
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffBest

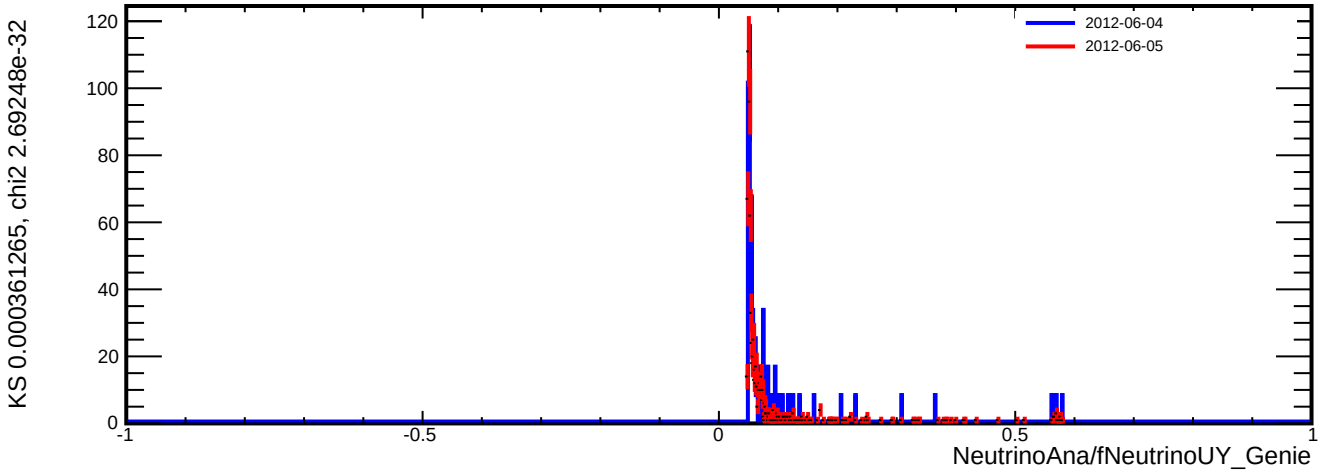

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffBest

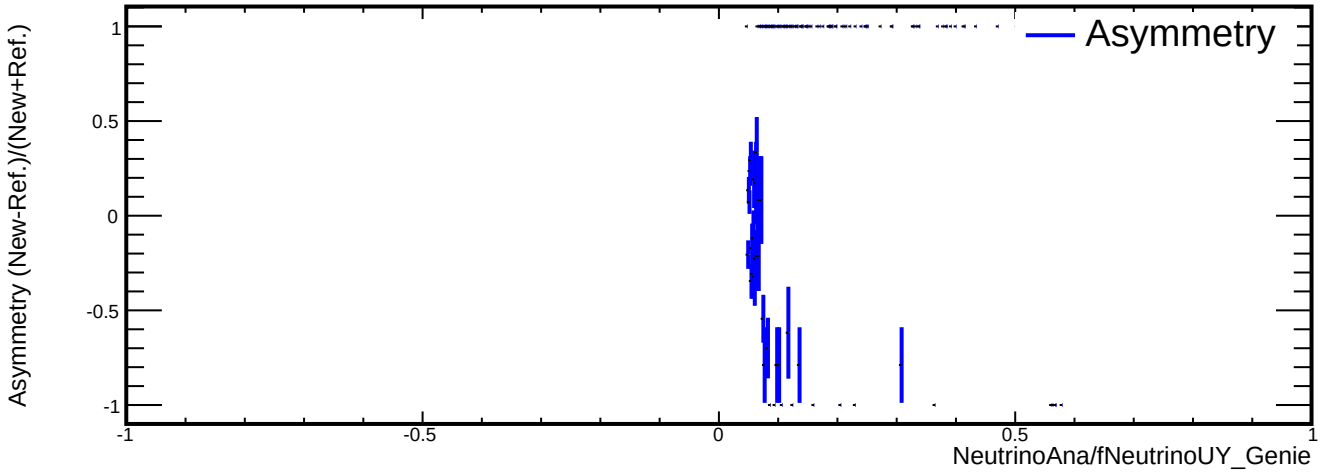

2012-06-04
2012-06-05
KS 1, chi2 0
800
600
400
200
0
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

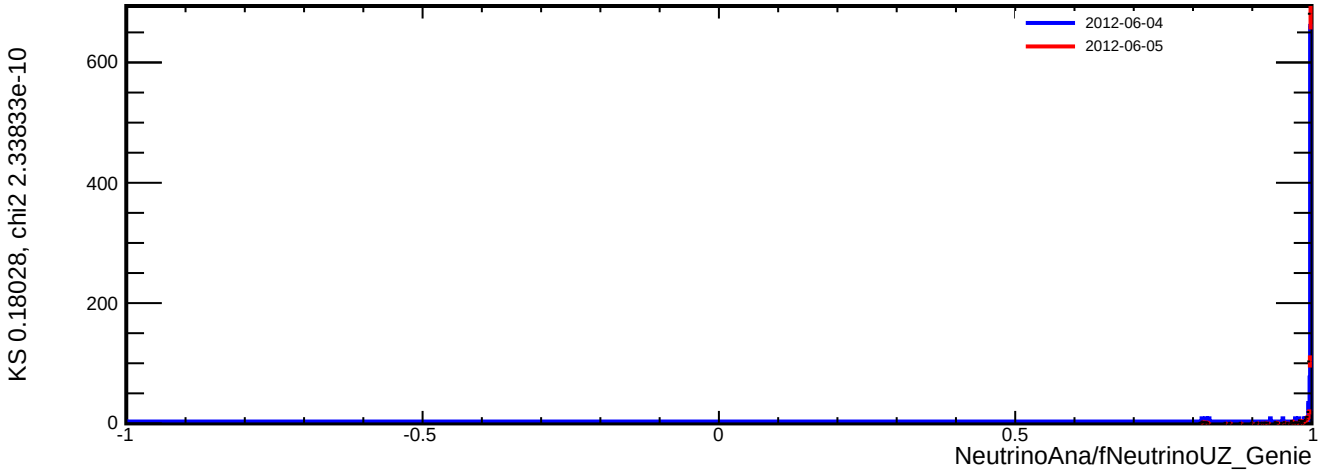

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0.01
0
-0.01
-0.02
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

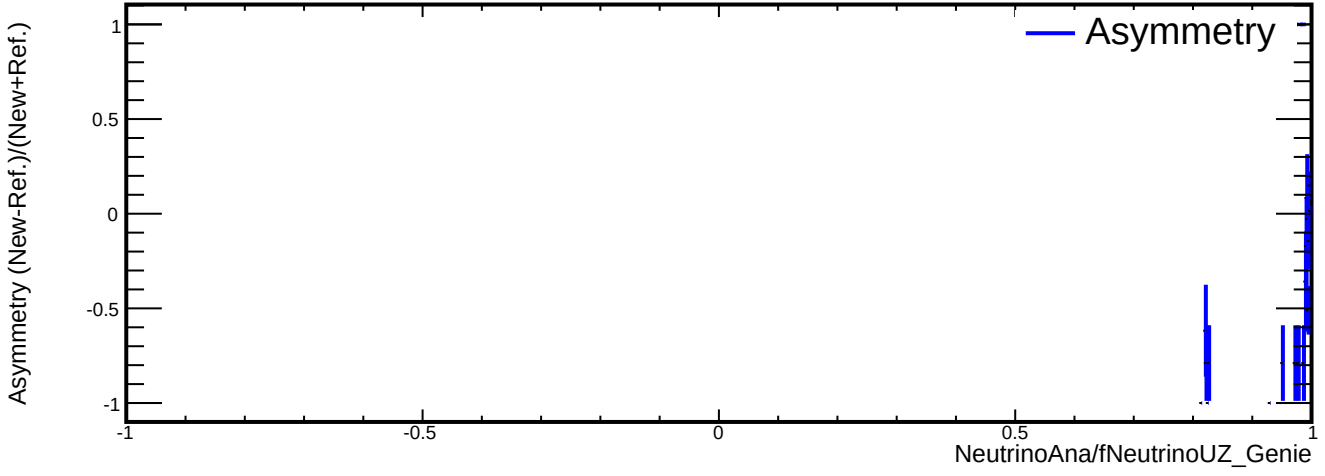

KS 0.175213, chi2 1.10568e-07
2012-06-04
2012-06-05
300
200
100
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_Genie

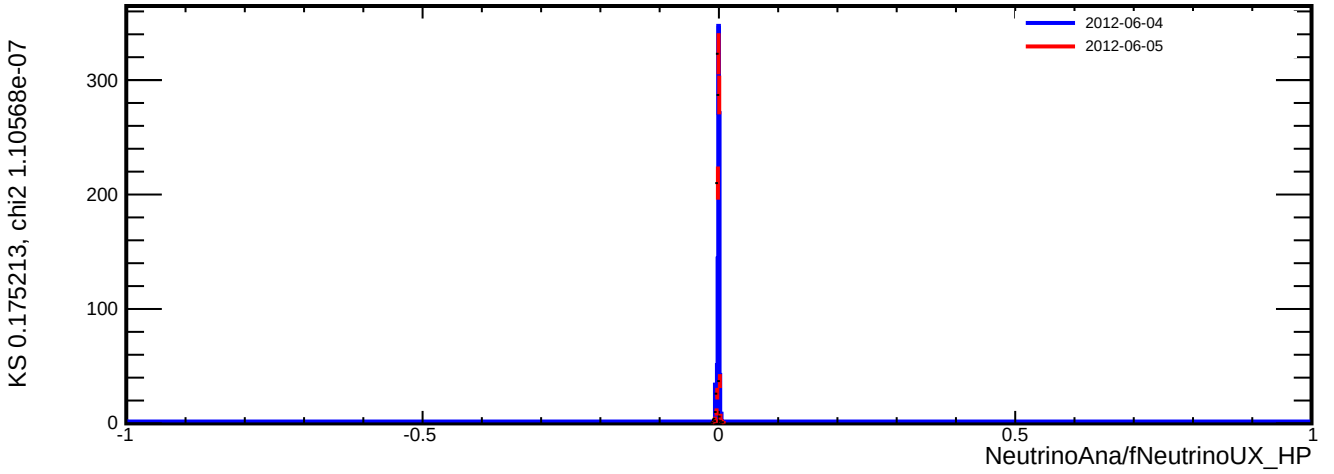

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_Genie

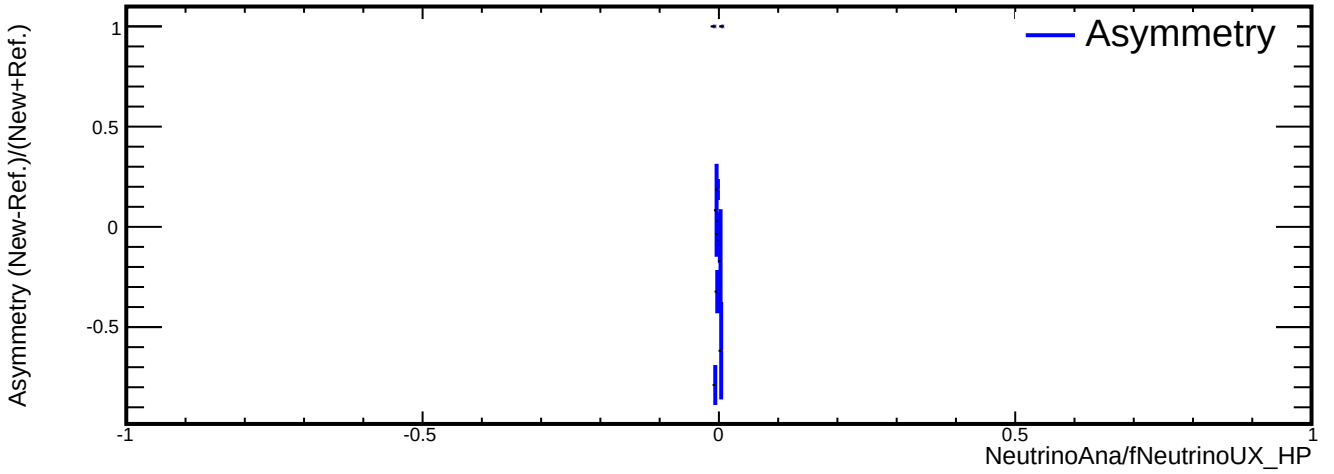

KS 0.000361265, chi2 2.69248e-32
2012-06-04
2012-06-05
NeutrinoAna/fNeutrinoUY_Genie

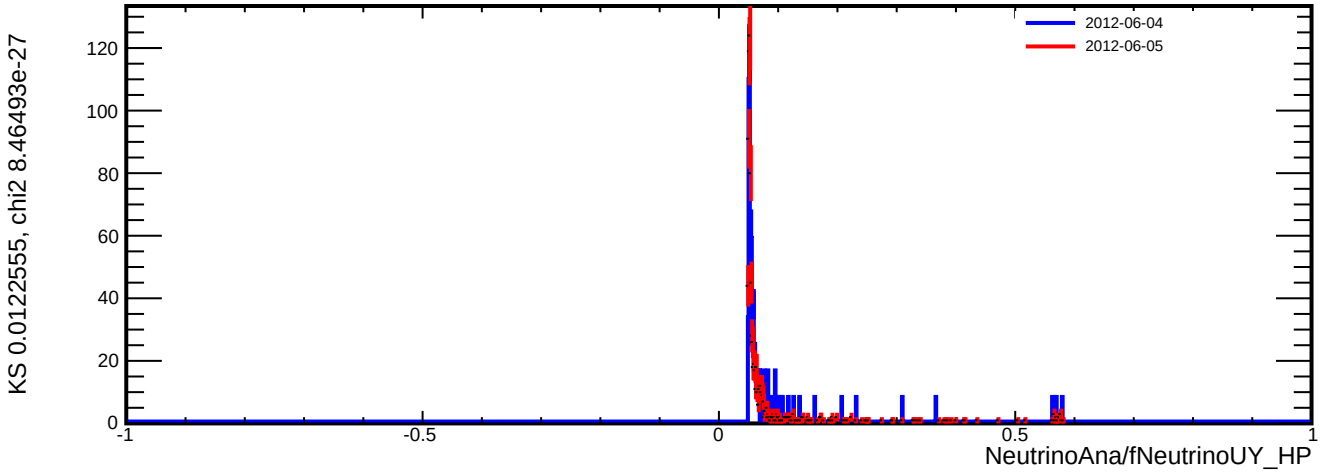

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fNeutrinoUY_Genie

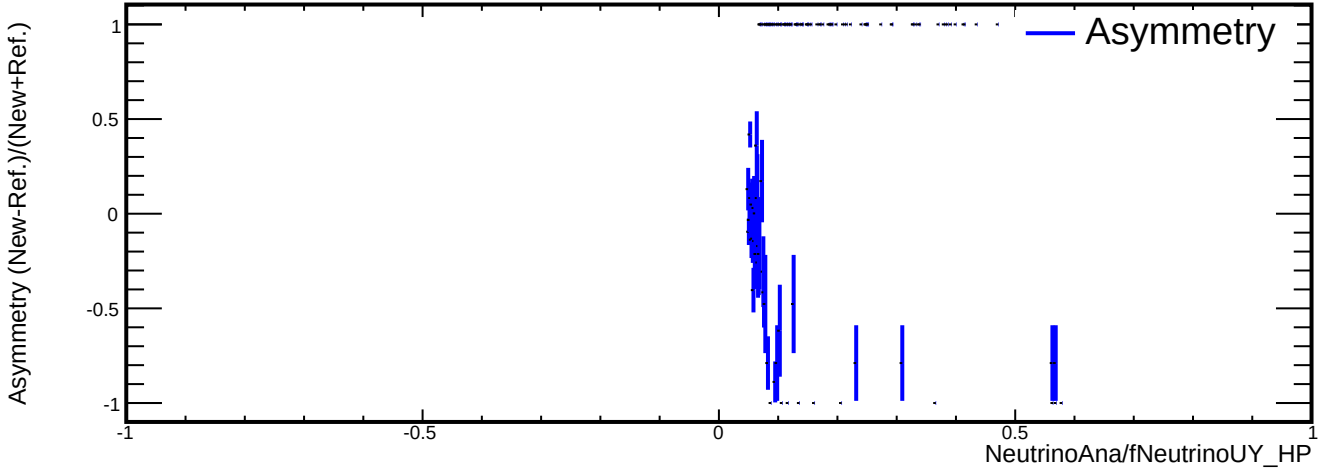

KS 0.18028, chi2 2.33833e-10
2012-06-04
2012-06-05
600
400
200
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_Genie

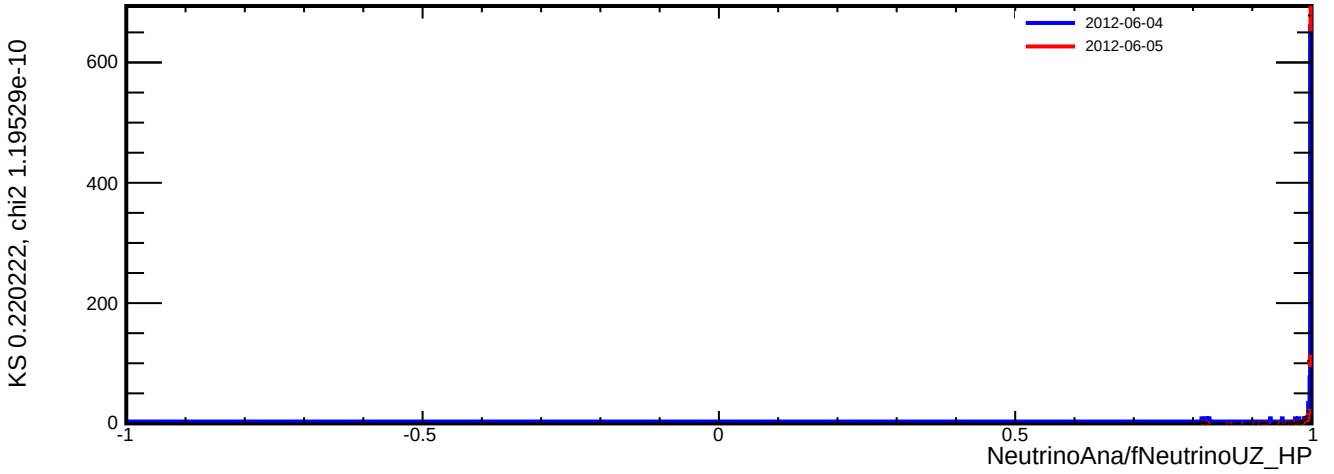

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_Genie

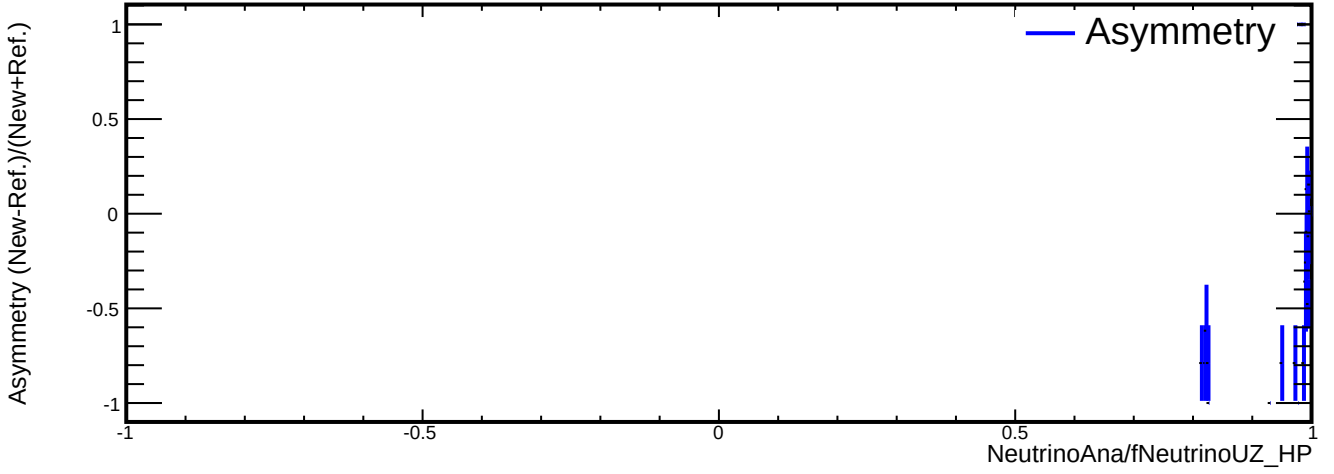

KS 0.175213, chi2 1.10568e-07
2012-06-04
2012-06-05
300
200
100
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_HP

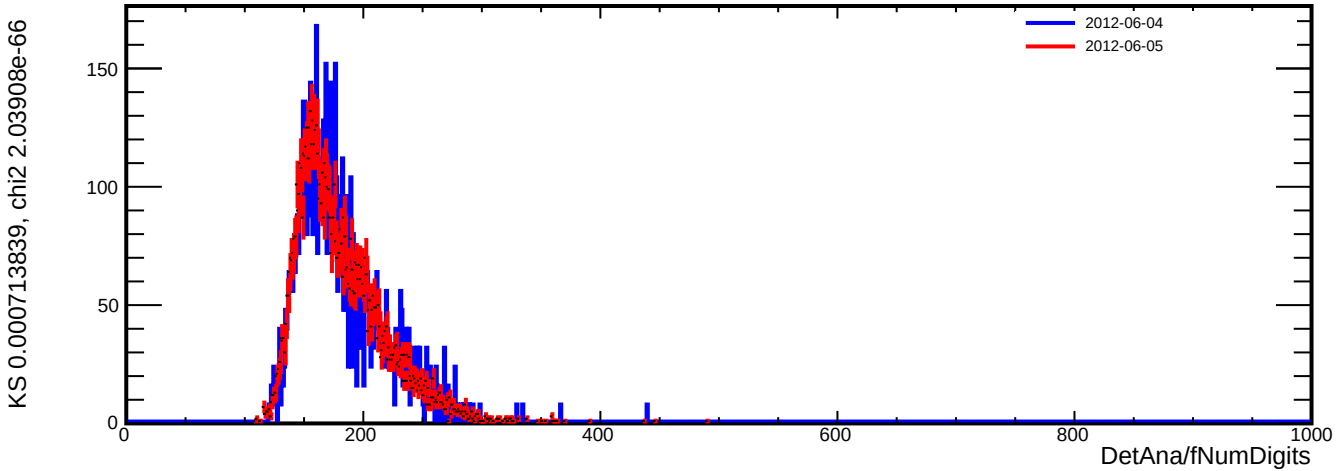

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_HP

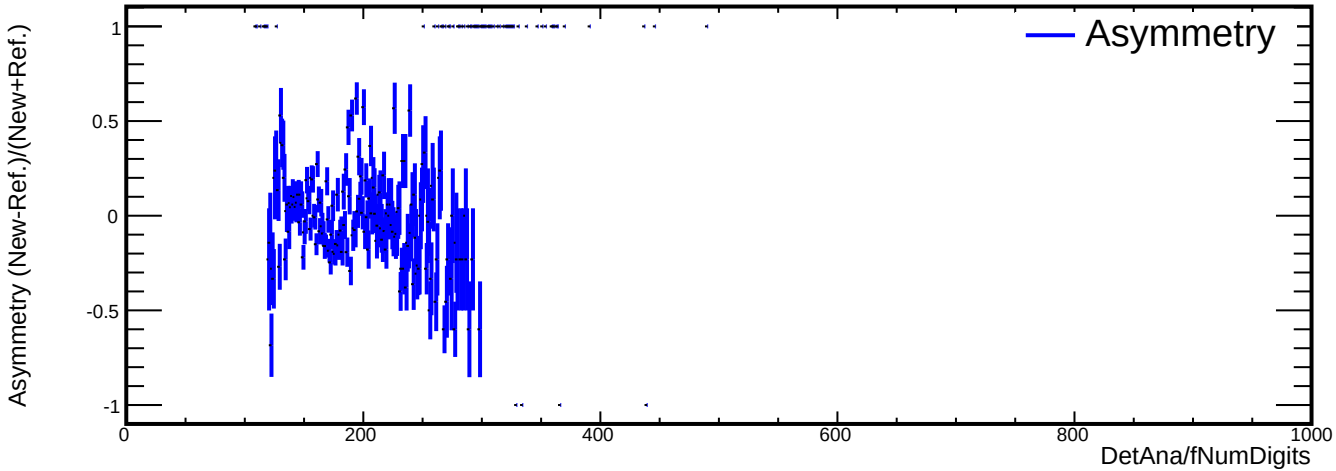

KS 0.0122555, chi2 8.46493e-27
2012-06-04
2012-06-05
NeutrinoAna/fNeutrinoUY_HP

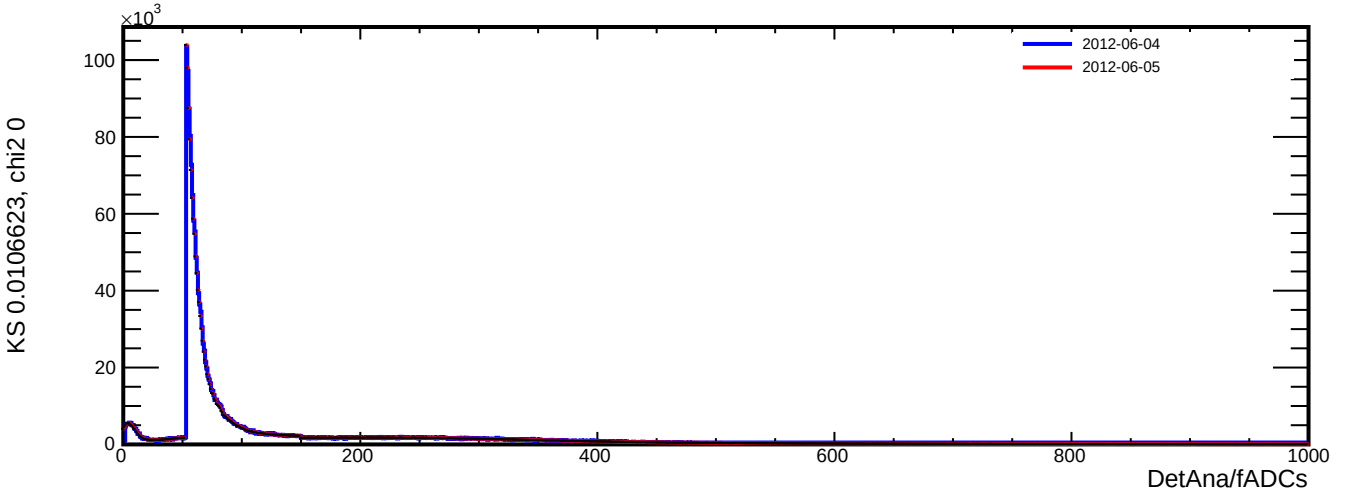

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fNeutrinoUY_HP

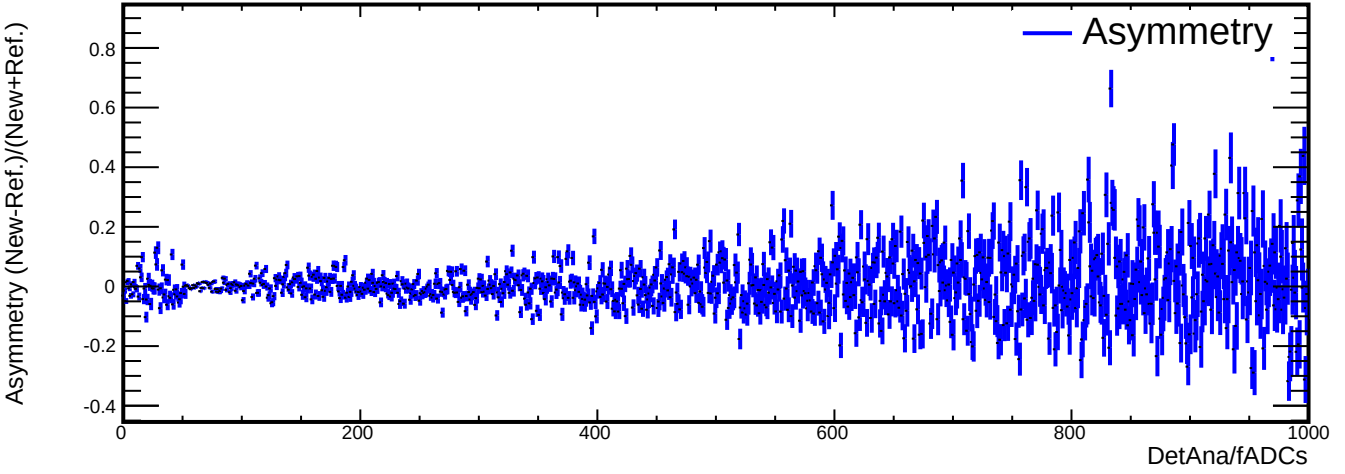

KS 0.220222, chi2 1.19529e-10
2012-06-04
2012-06-05
600
400
200
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_HP

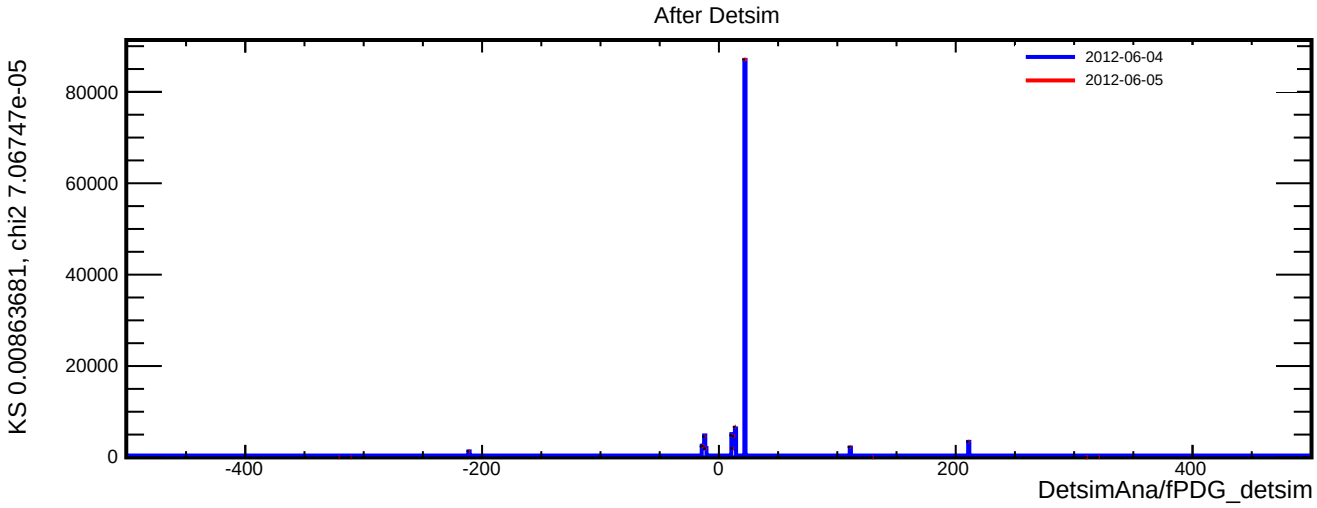

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_HP

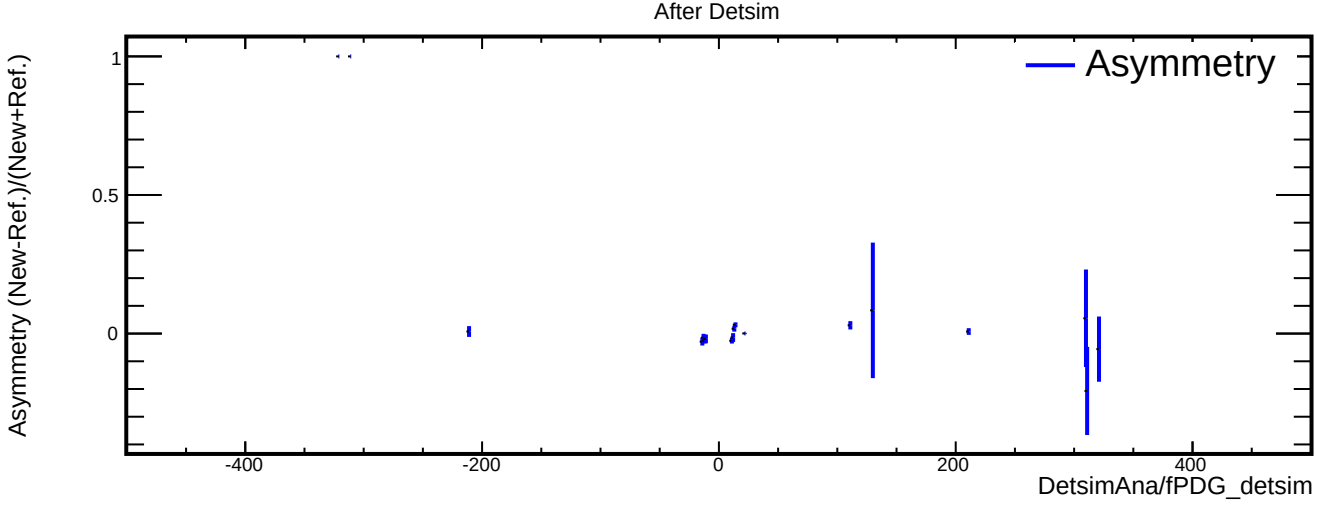

KS 0.000713839, chi2 2.03908e-66
2012-06-04
2012-06-05
150
100
50
0
0
200
400
600
800
1000
DetAna/fNumDigits

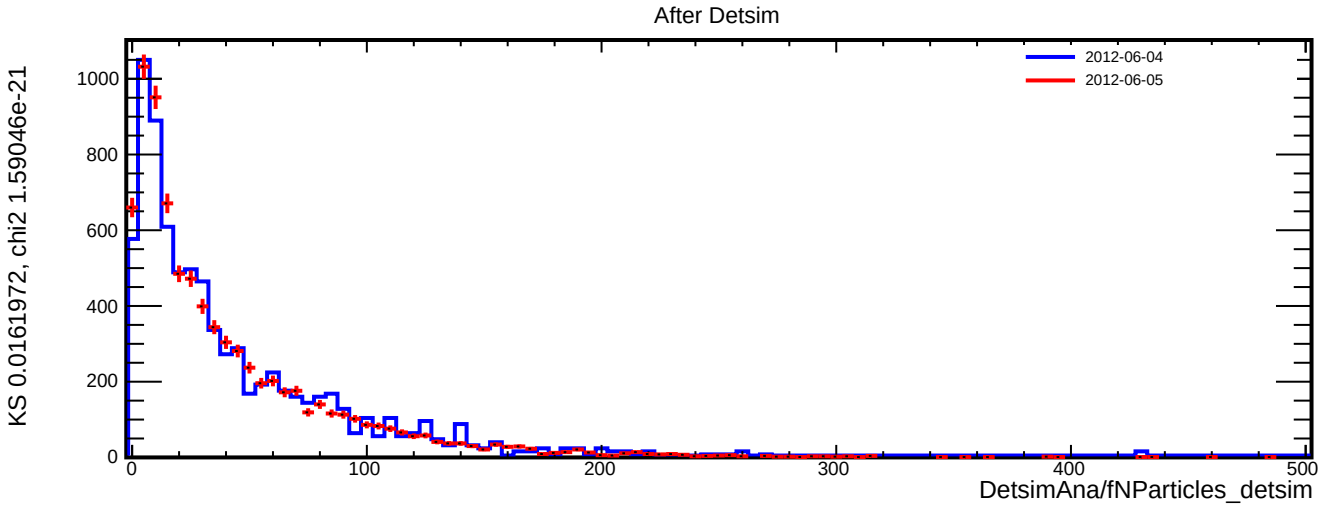

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
1000
DetAna/fNumDigits

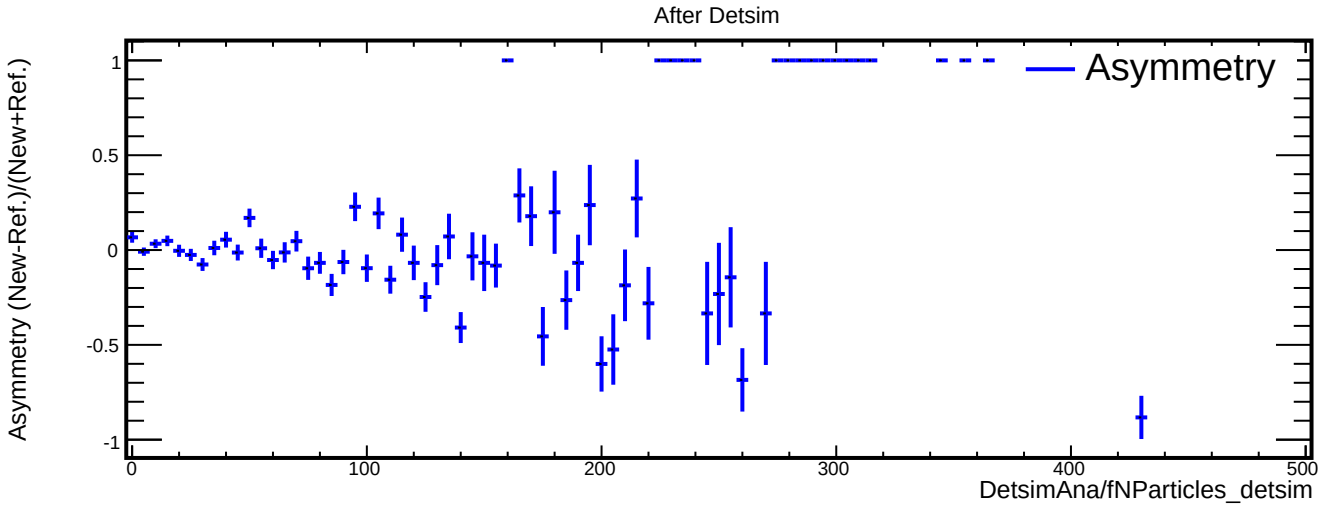

×10^3
100
80
60
40
20
0
KS 0.0106623, chi2 0
2012-06-04
2012-06-05
0
200
400
600
800
1000
DetAna/fADCs

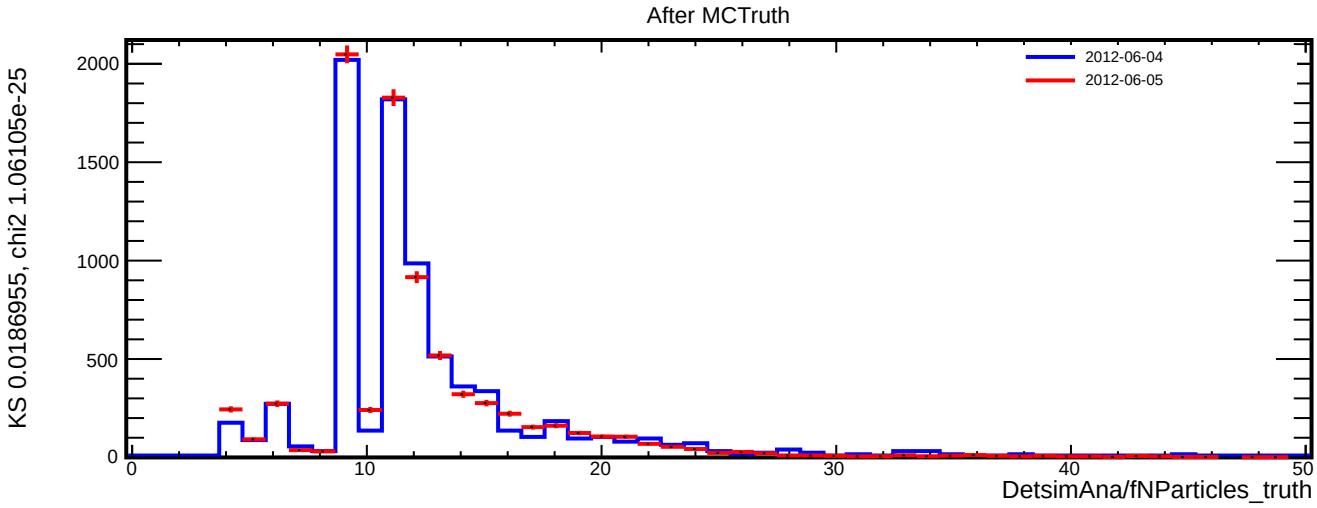

Asymmetry
0.8
0.6
0.4
0.2
0
-0.2
-0.4
Asymmetry (New-Ref.)/(New+Ref.)
0
200
400
600
800
1000
DetAna/fADCs

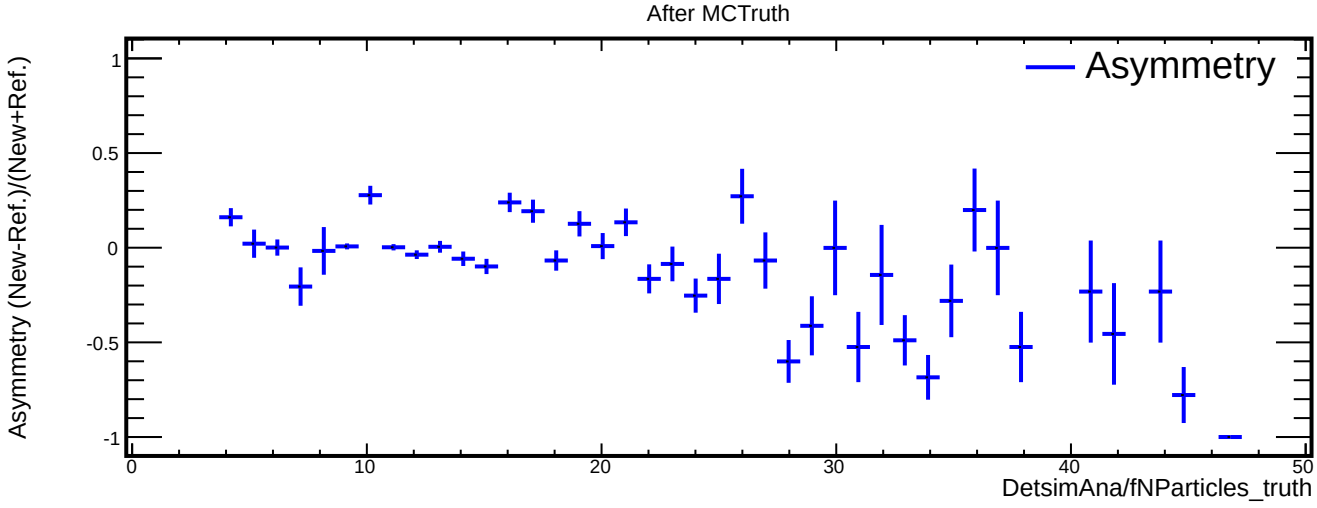

After Detsim
KS 0.00863681, chi2 7.06747e-05
80000
60000
40000
20000
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim
2012-06-04
2012-06-05

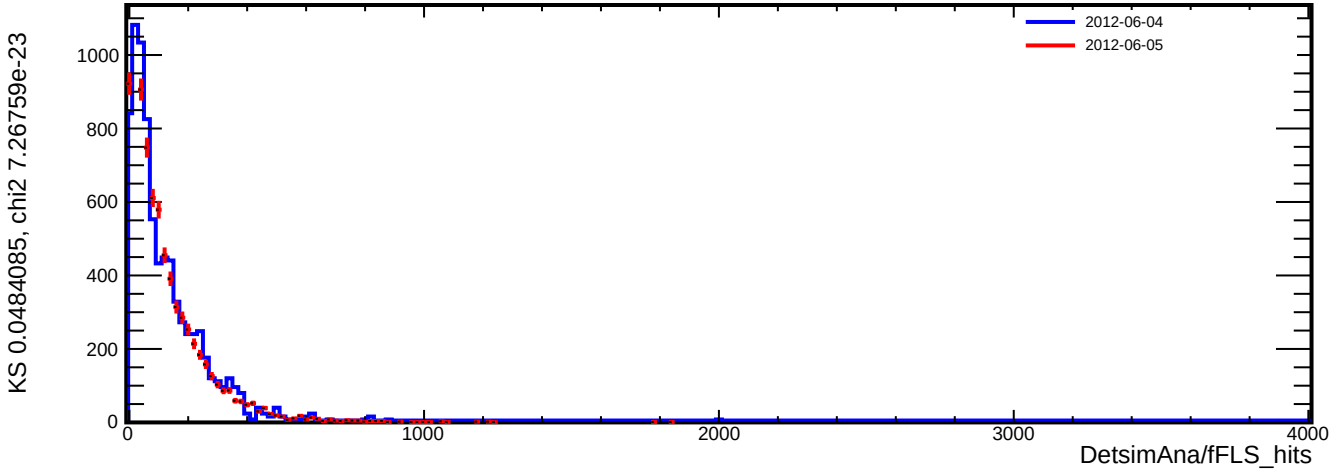

After Detsim
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim
Asymmetry

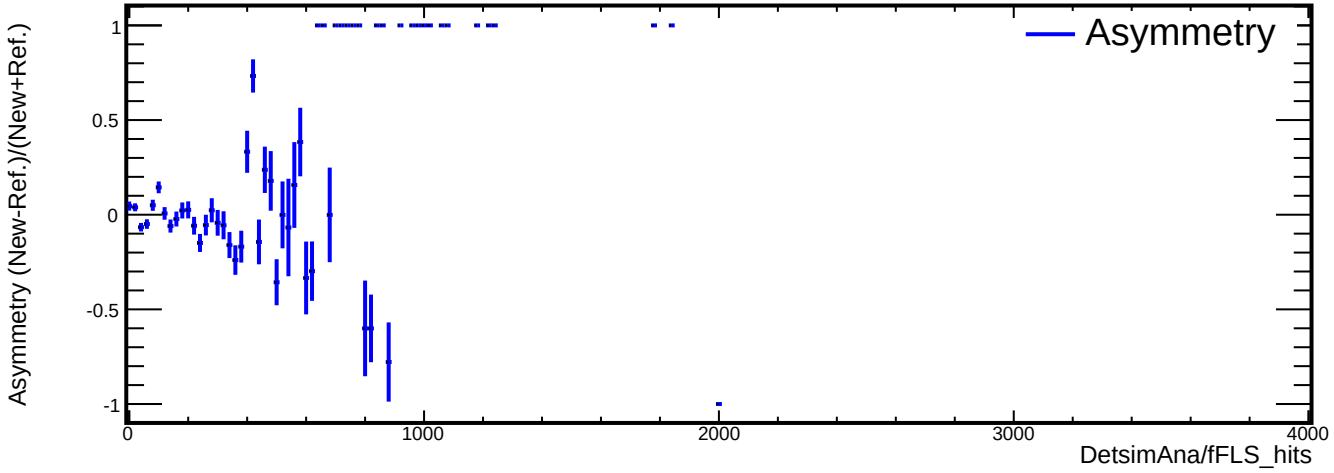

After Detsim
KS 0.0161972, chi2 1.59046e-21
2012-06-04
2012-06-05
1000
800
600
400
200
0
0
100
200
300
400
500
DetsimAna/fNParticles_detsim

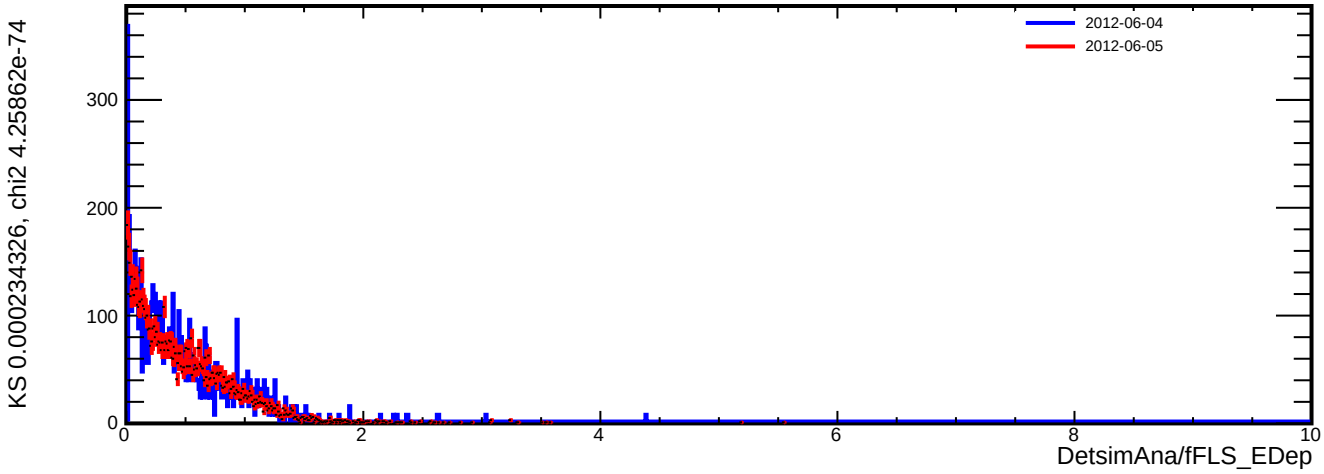

After Detsim
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
400
500
DetsimAna/fNParticles_detsim

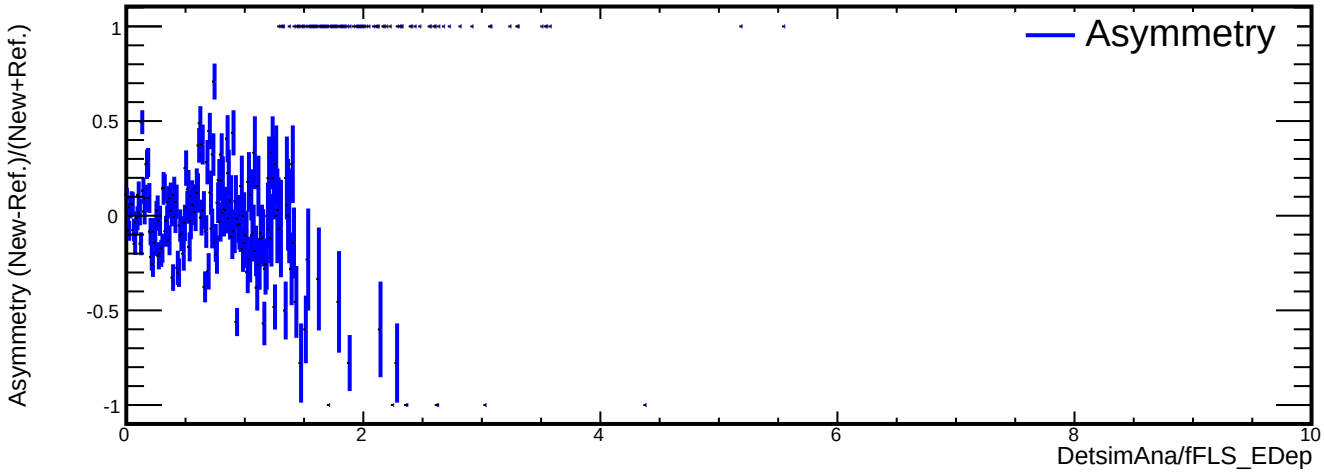

After MCTruth
KS 0.0186955, chi2 1.06105e-25
2012-06-04
2012-06-05
2000
1500
1000
500
0
0
10
20
30
40
50
DetsimAna/fNParticles_truth

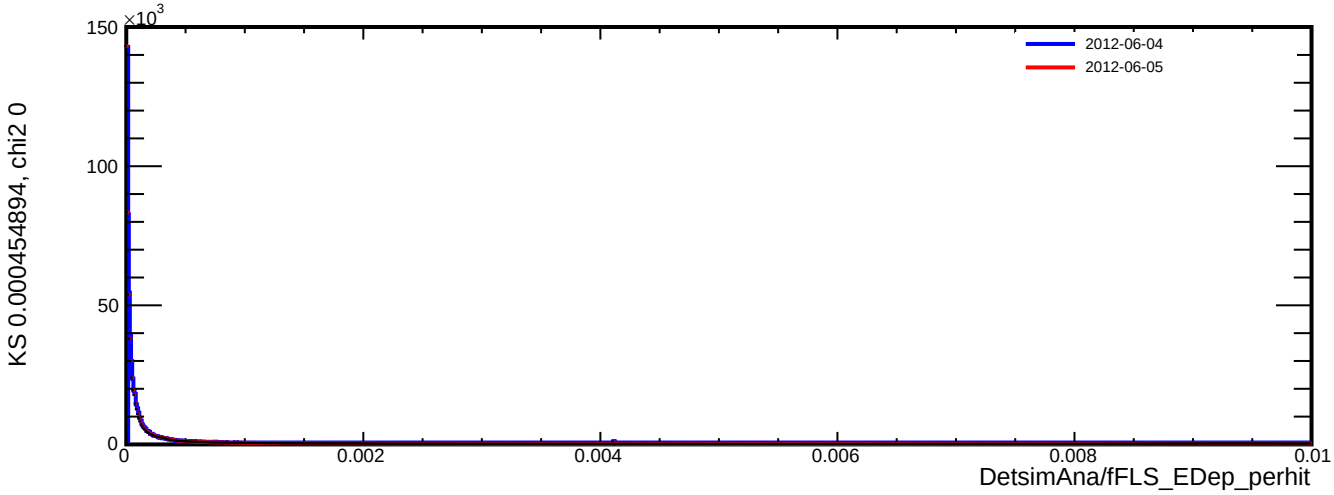

After MCTruth
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
DetsimAna/fNParticles_truth

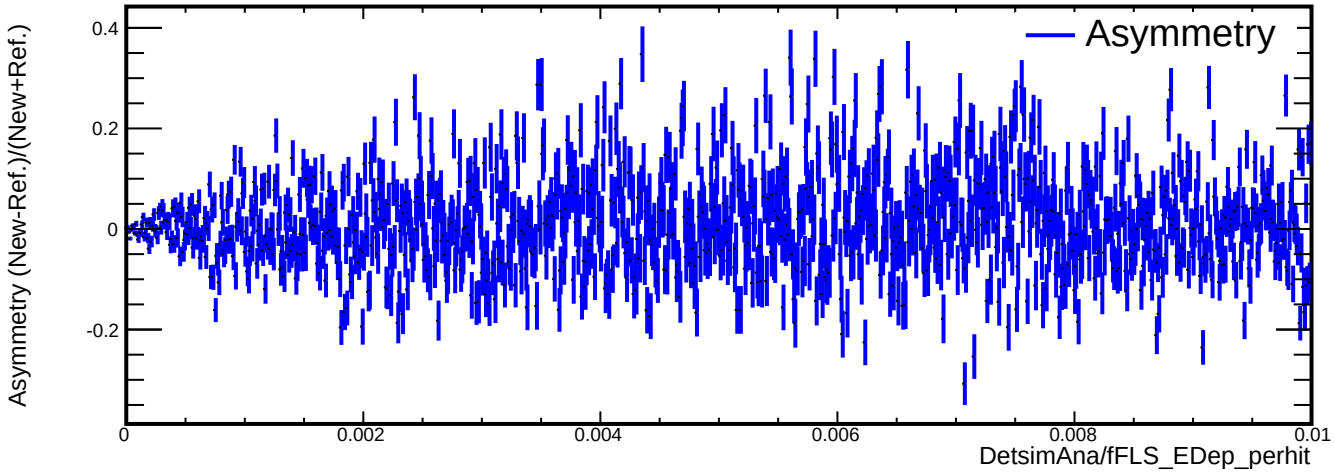

KS 0.0484085, chi2 7.26759e-23
2012-06-04
2012-06-05
1000
800
600
400
200
0
0
1000
2000
3000
4000
DetsimAna/fFLS_hits

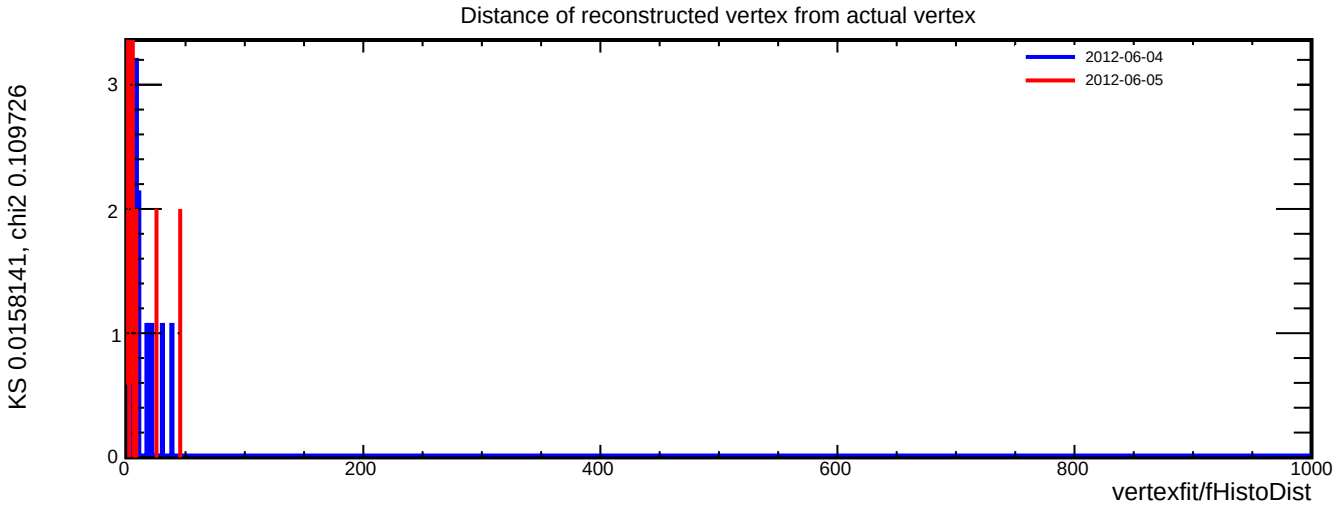

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
1000
2000
3000
4000
DetsimAna/fFLS_hits

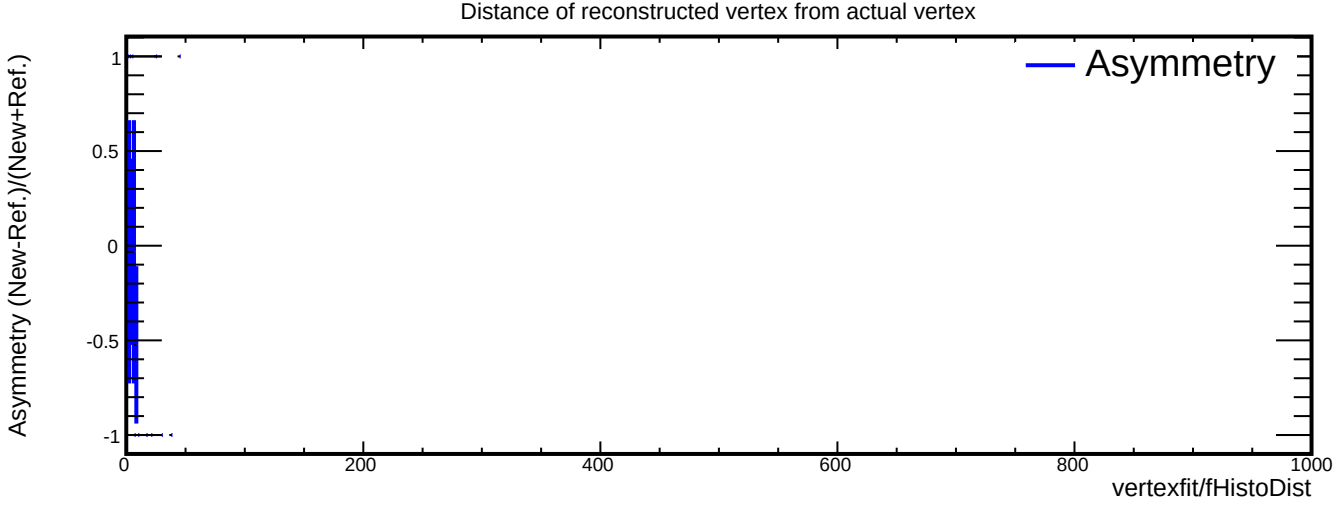

KS 0.000234326, chi2 4.25862e-74
2012-06-04
2012-06-05
300
200
100
0
0
2
4
6
8
10
DetsimAna/fFLS_EDep

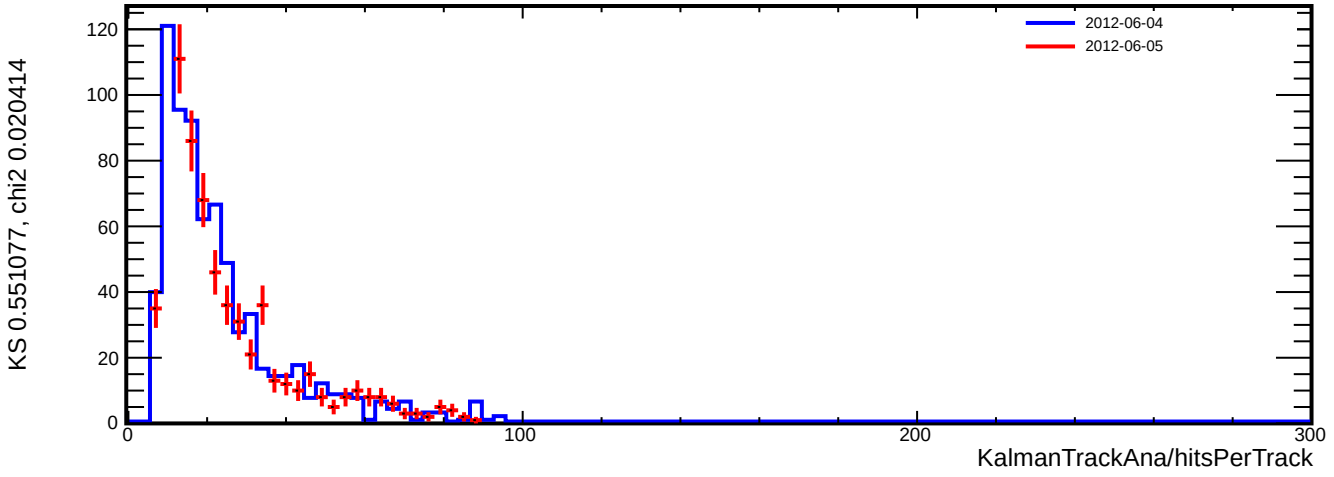

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2
4
6
8
10
DetsimAna/fFLS_EDep

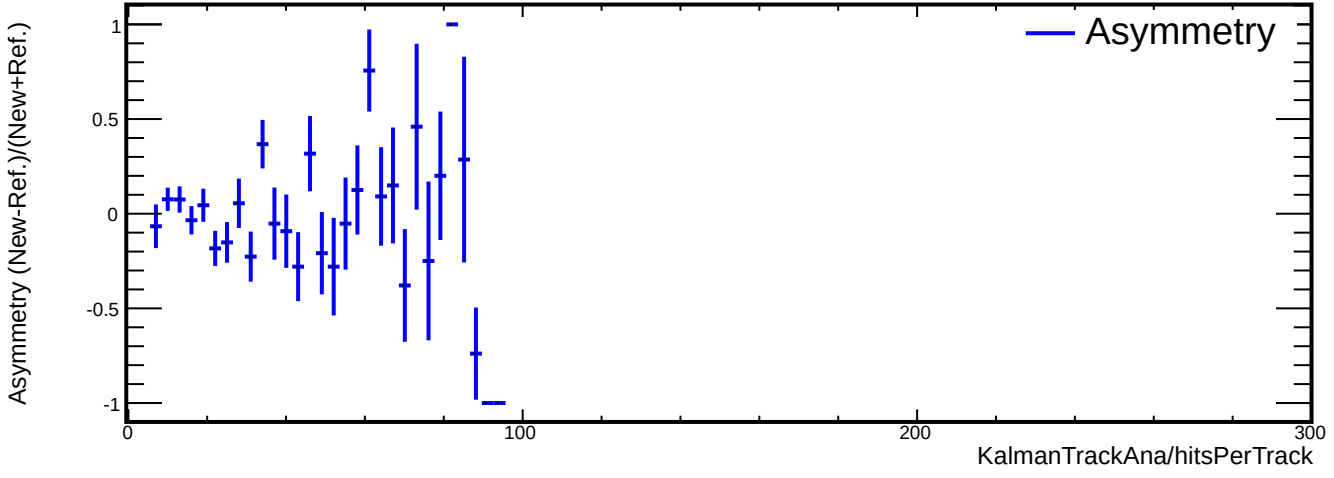

×10^3
150
100
50
0
0
0.002
0.004
0.006
0.008
0.01
2012-06-04
2012-06-05
KS 0.000454894, chi2 0
DetsimAna/fFLS_EDep_perhit

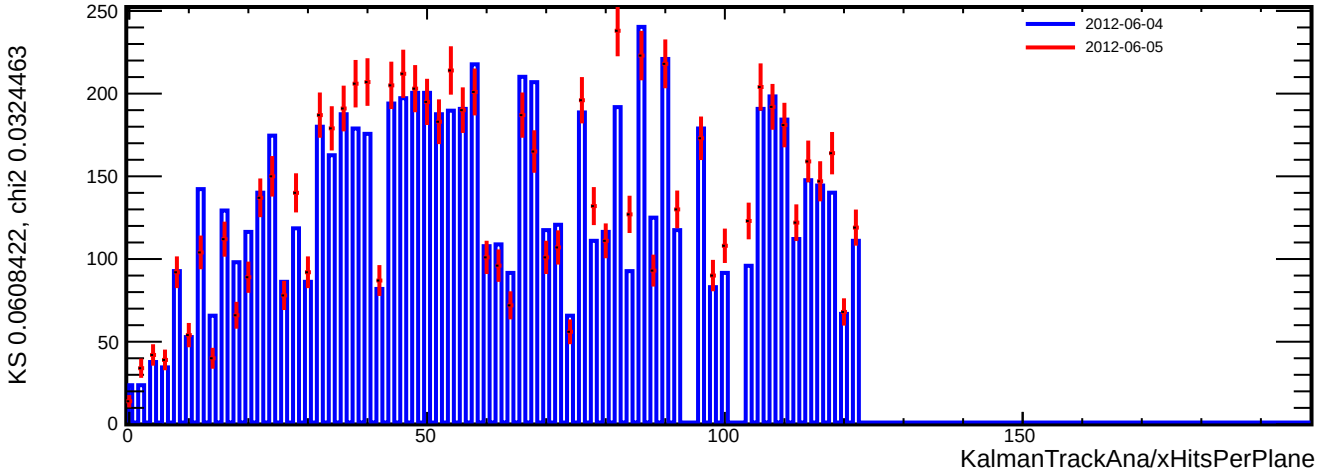

0.4
0.2
0
-0.2
0
0.002
0.004
0.006
0.008
0.01
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
DetsimAna/fFLS_EDep_perhit

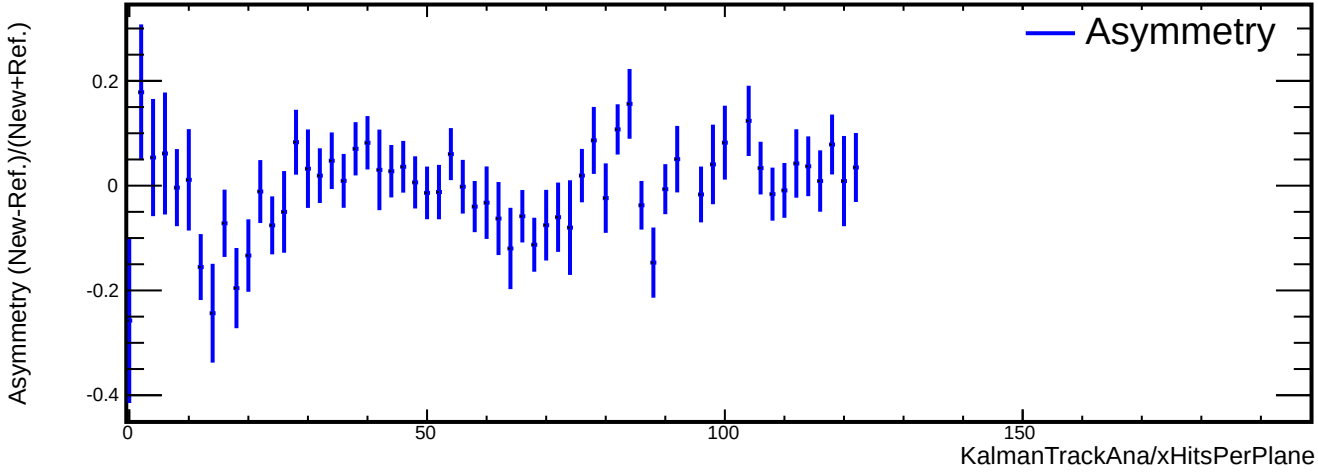

Distance of reconstructed vertex from actual vertex
KS 0.0158141, chi2 0.109726
2012-06-04
2012-06-05
0
1
2
3
0
200
400
600
800
1000
vertexfit/fHistoDist

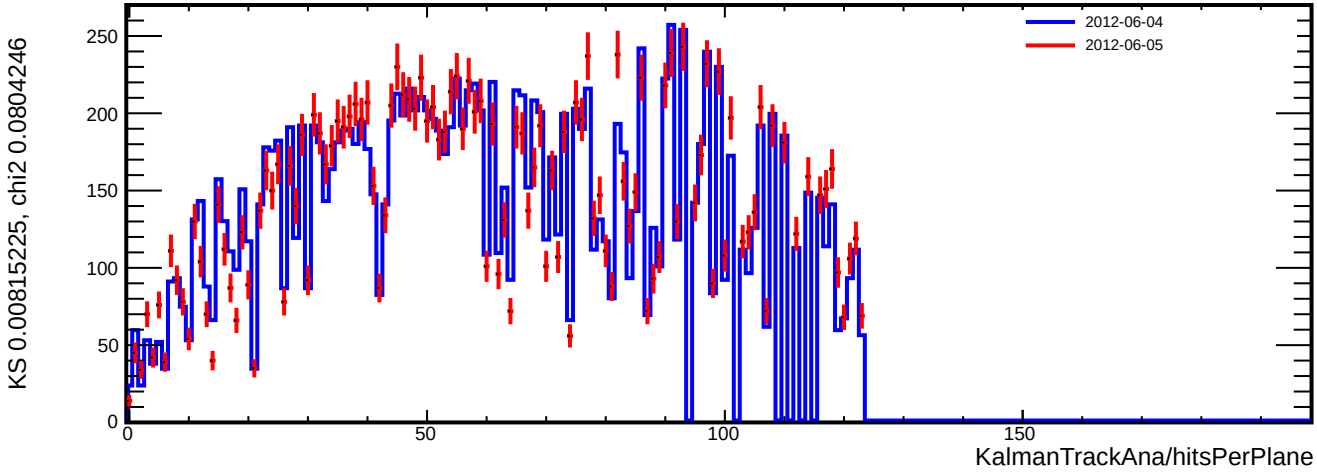

Distance of reconstructed vertex from actual vertex
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
800
1000
vertexfit/fHistoDist

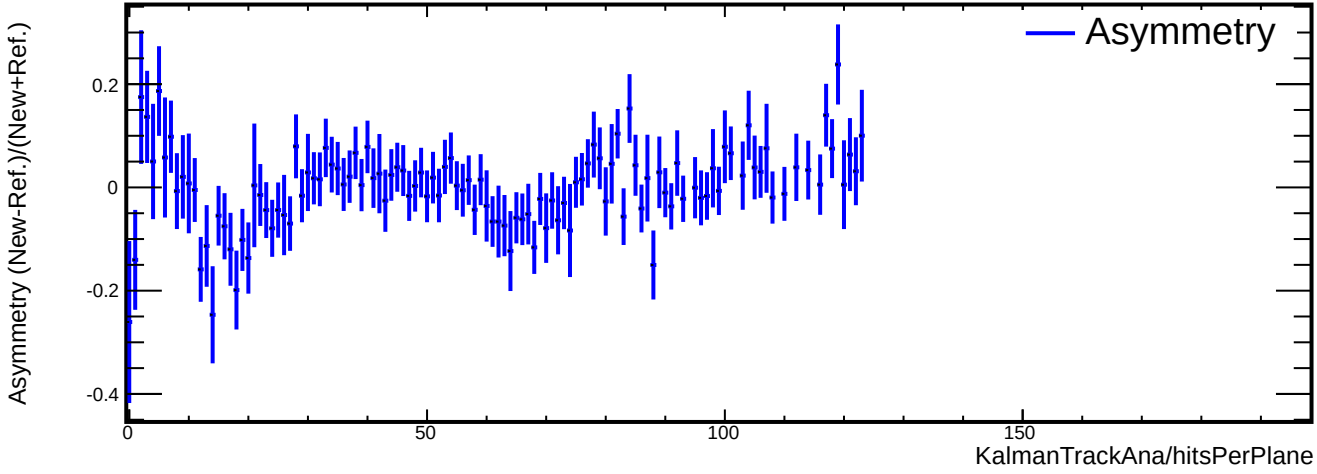

KS 0.551077, chi2 0.020414
2012-06-04
2012-06-05
KalmanTrackAna/hitsPerTrack

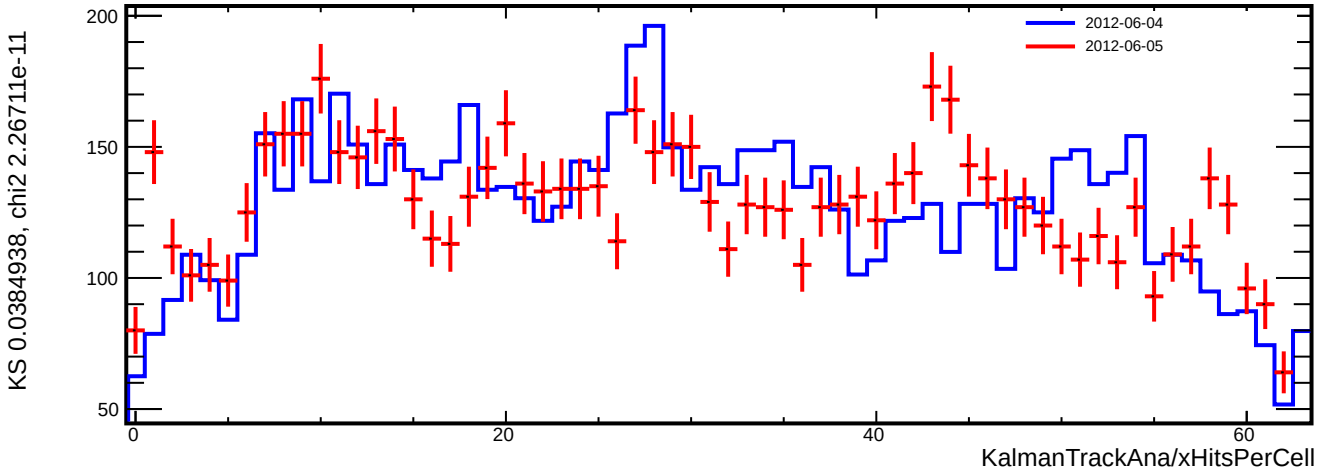

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/hitsPerTrack

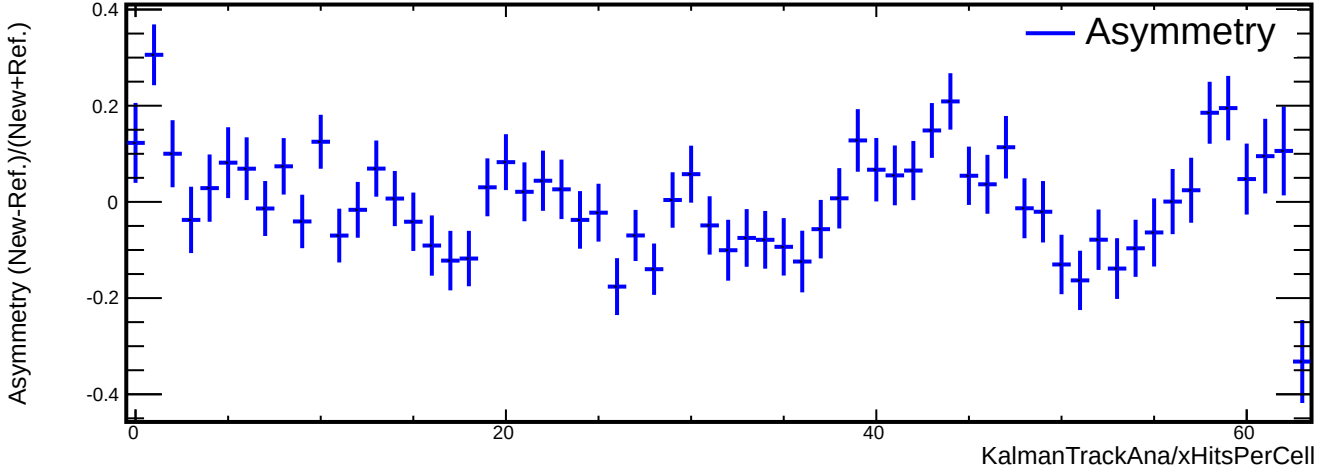

KS 0.0608422, chi2 0.0324463
2012-06-04
2012-06-05
KalmanTrackAna/xHitsPerPlane

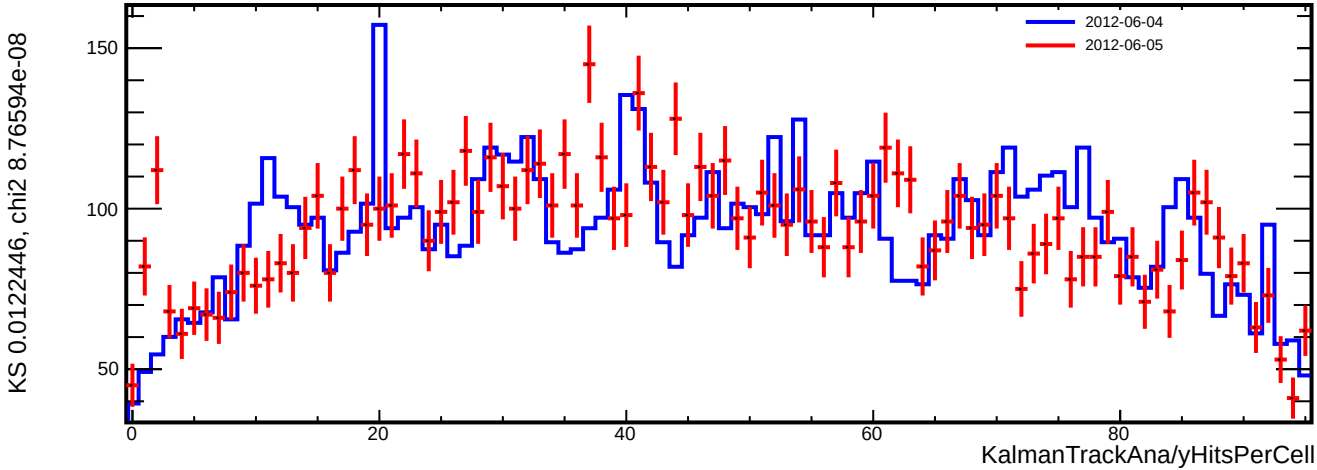

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/xHitsPerPlane

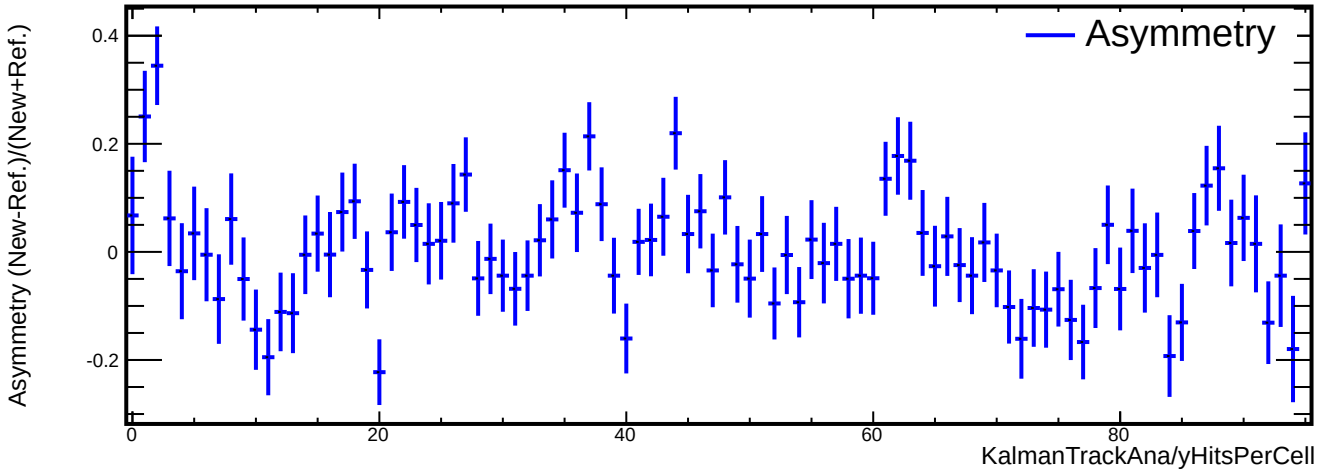

KS 0.00815225, chi2 0.0804246
2012-06-04
2012-06-05
KalmanTrackAna/hitsPerPlane

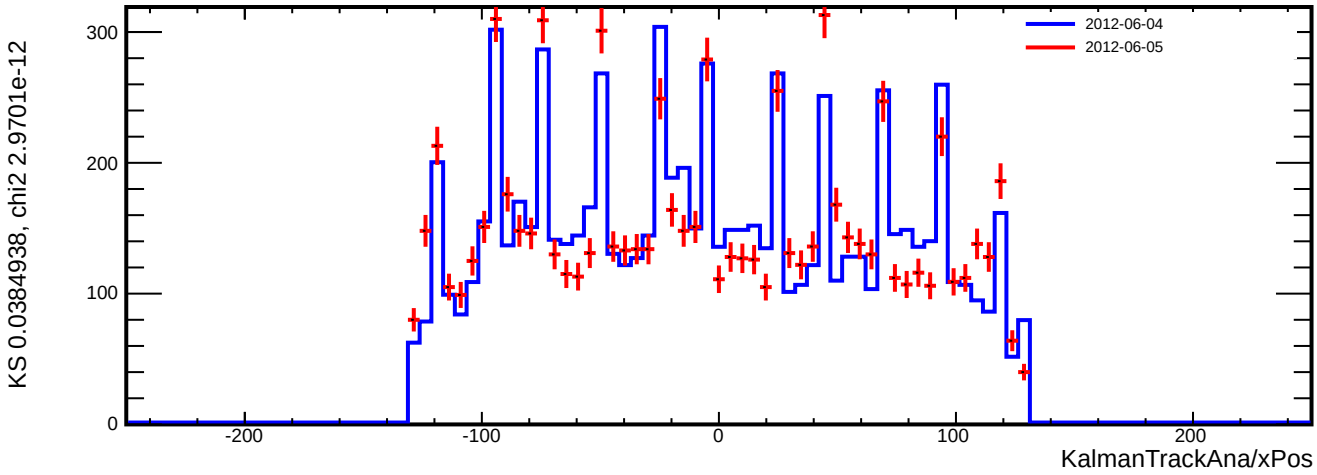

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/hitsPerPlane

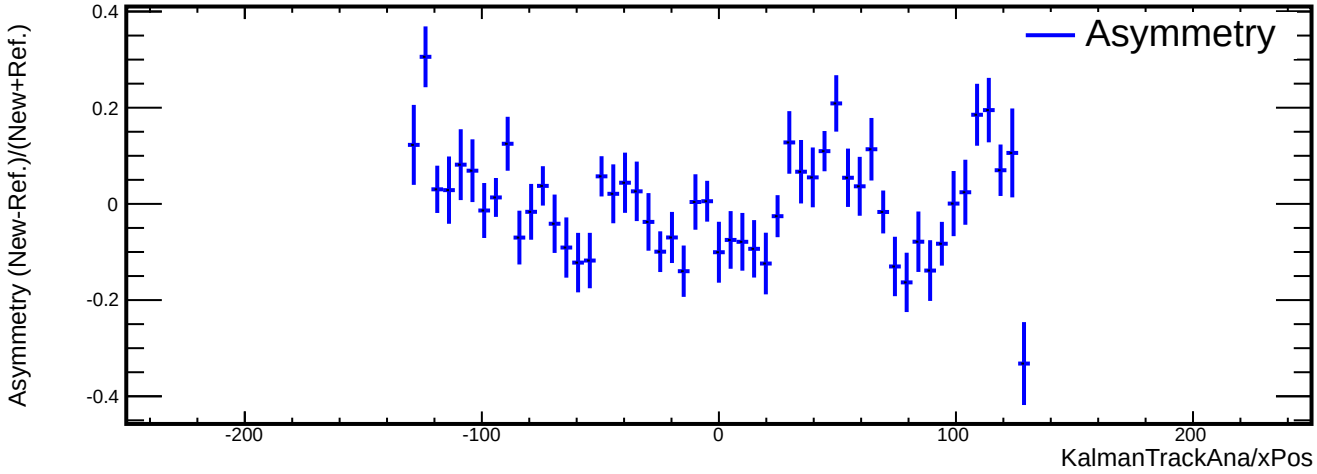

KS 0.0384938, chi2 2.26711e-11
200
150
100
50
0
20
40
60
KalmanTrackAna/xHitsPerCell
2012-06-04
2012-06-05

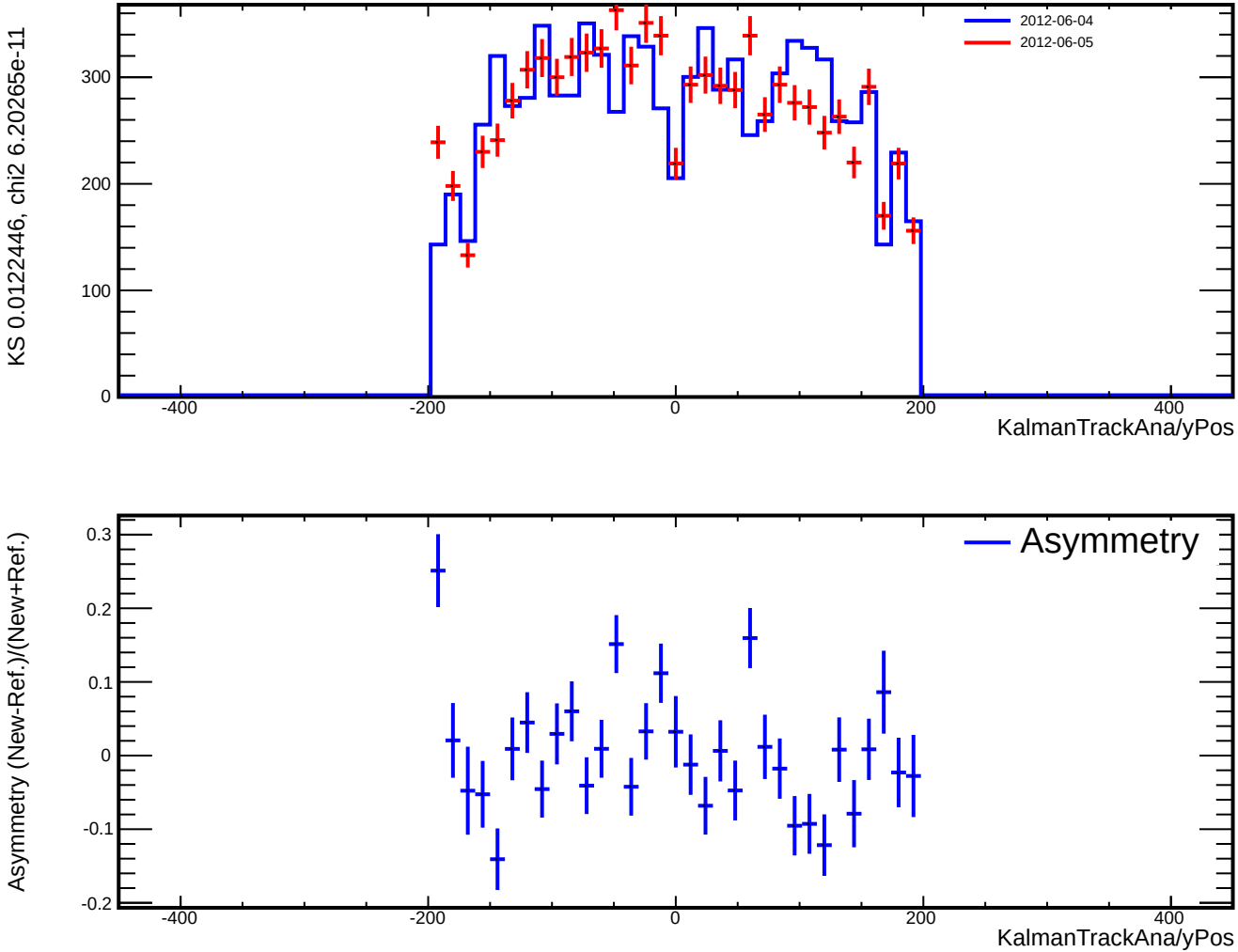

Asymmetry (New-Ref.)/(New+Ref.)
0.4
0.2
0
-0.2
-0.4
0
20
40
60
KalmanTrackAna/xHitsPerCell
Asymmetry

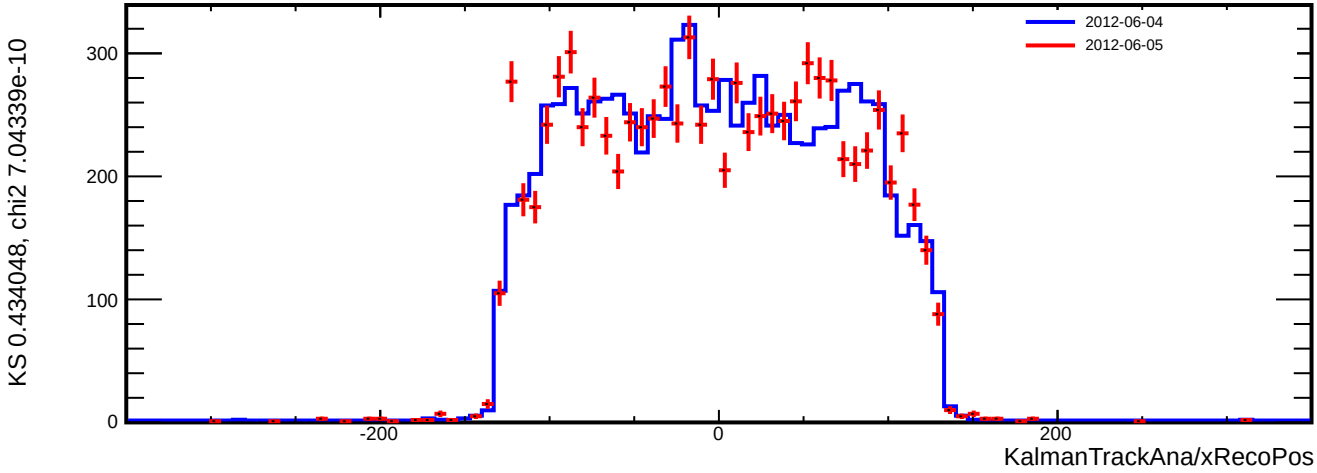

KS 0.0122446, chi2 8.76594e-08
2012-06-04
2012-06-05
150
100
50
0
20
40
60
80
KalmanTrackAna/yHitsPerCell

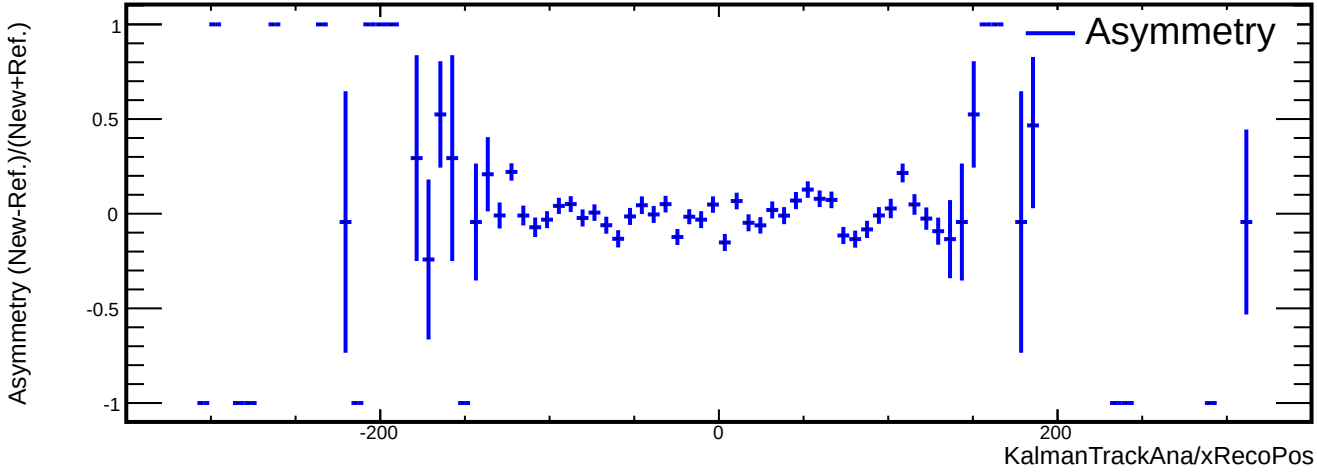

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
0
20
40
60
80
KalmanTrackAna/yHitsPerCell

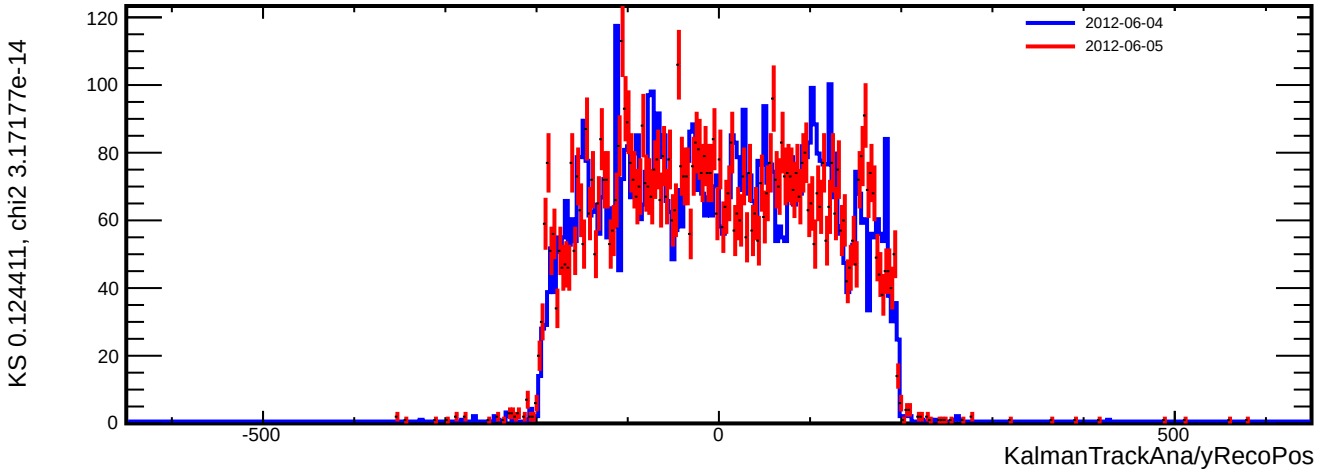

KS 0.0384938, chi2 2.9701e-12
2012-06-04
2012-06-05
300
200
100
0
-200
-100
0
100
200
KalmanTrackAna/xPos

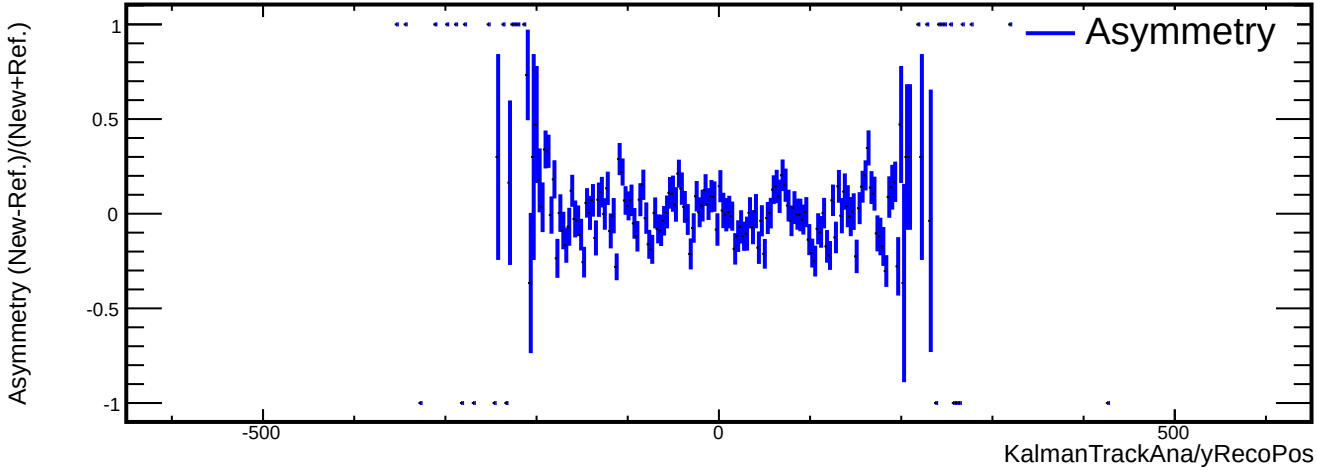

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-0.4
-200
-100
0
100
200
KalmanTrackAna/xPos

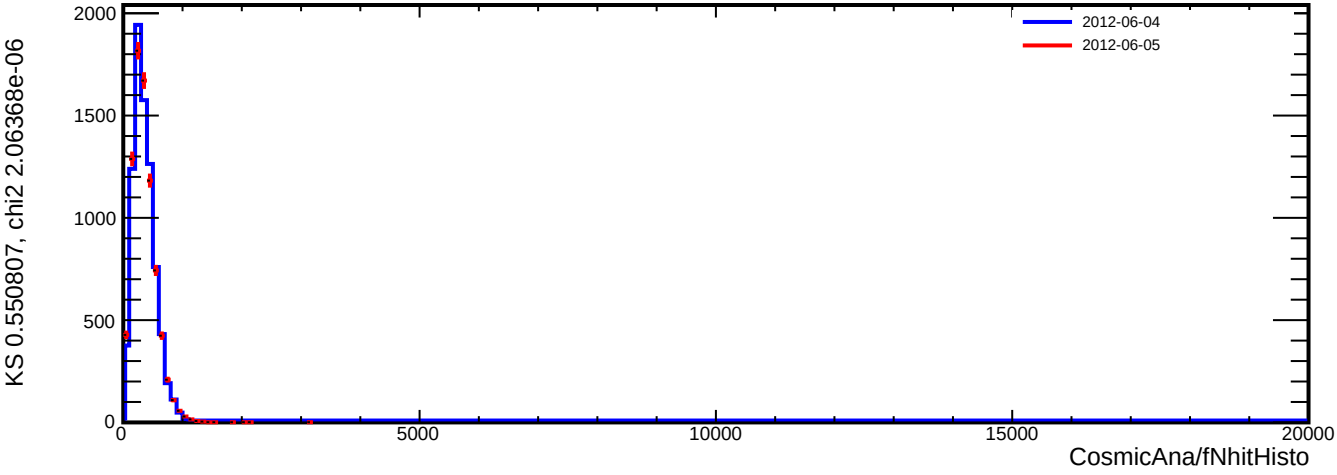

KS 0.0122446, chi2 6.20265e-11
2012-06-04
2012-06-05
KalmanTrackAna/yPos
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/yPos

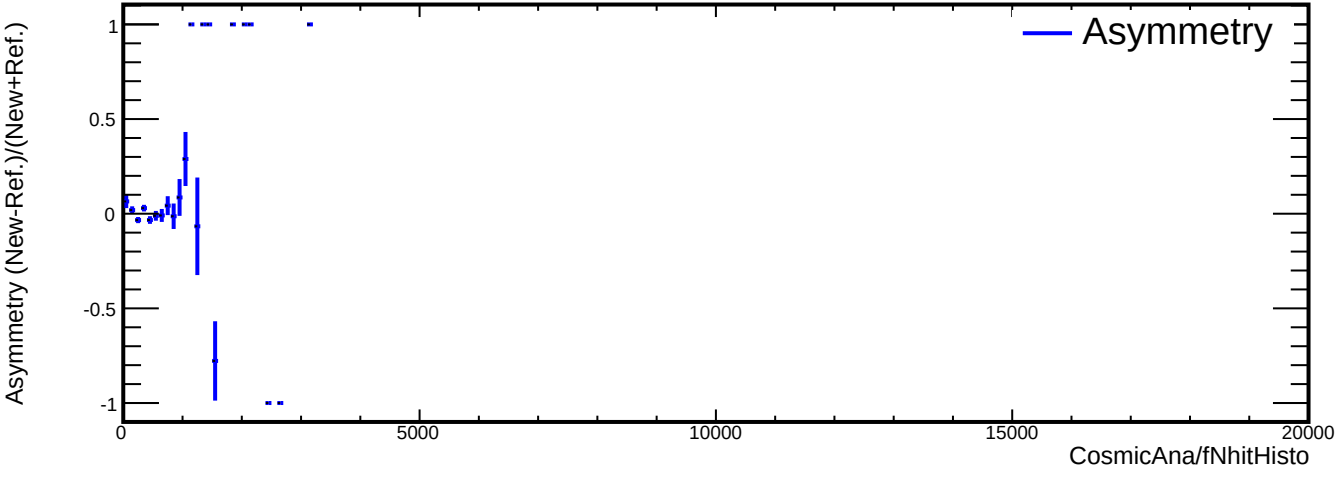

KS 0.434048, chi2 7.04339e-10
2012-06-04
2012-06-05
300
200
100
0
-200
0
200
KalmanTrackAna/xRecoPos

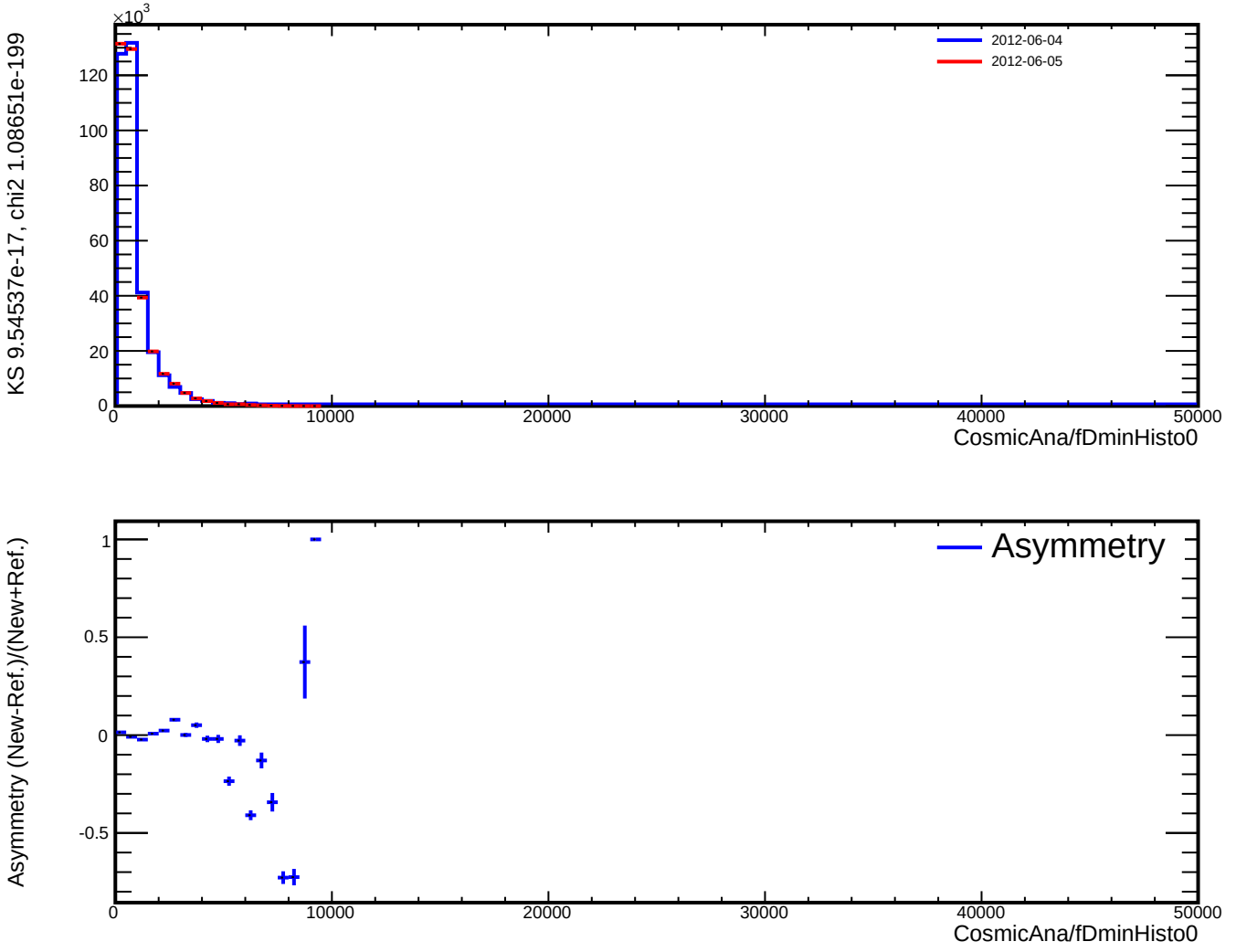

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
0
200
KalmanTrackAna/xRecoPos

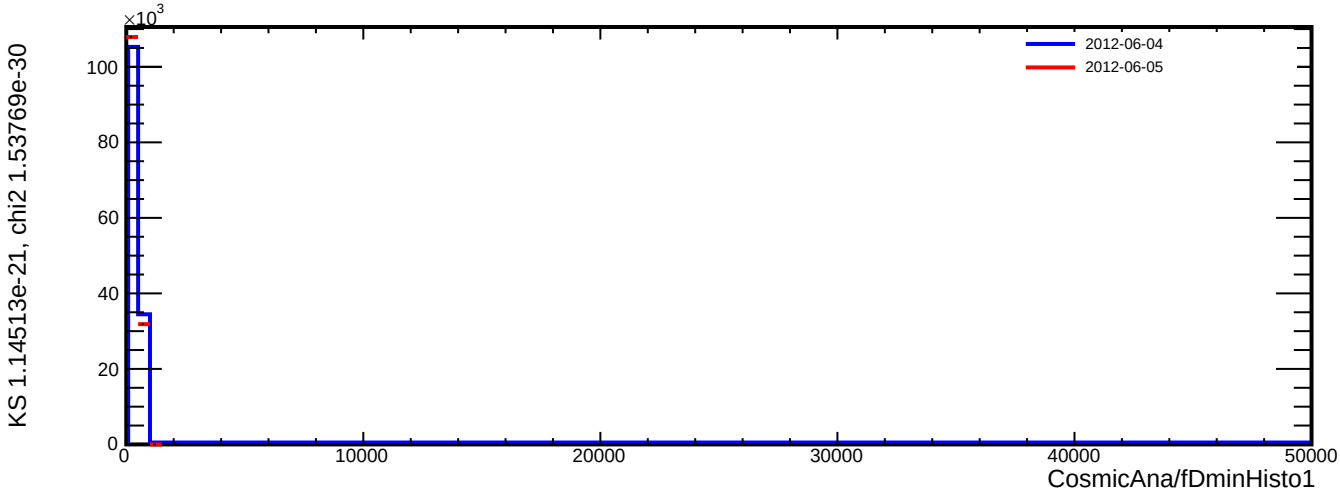

KS 0.124411, chi2 3.17177e-14
120
100
80
60
40
20
0
-500
0
500
KalmanTrackAna/yRecoPos
2012-06-04
2012-06-05

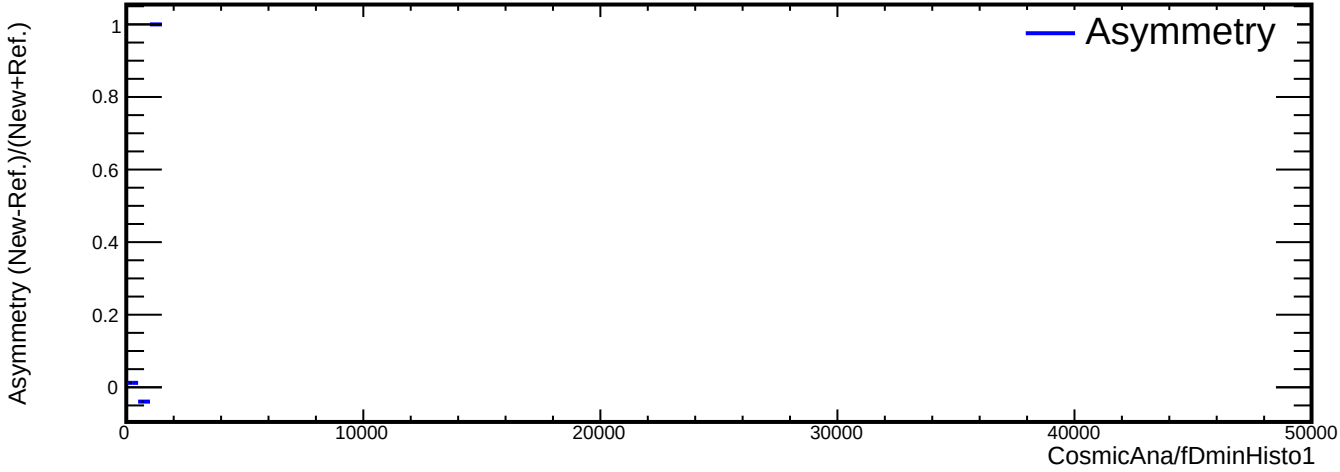

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-500
0
500
KalmanTrackAna/yRecoPos
Asymmetry

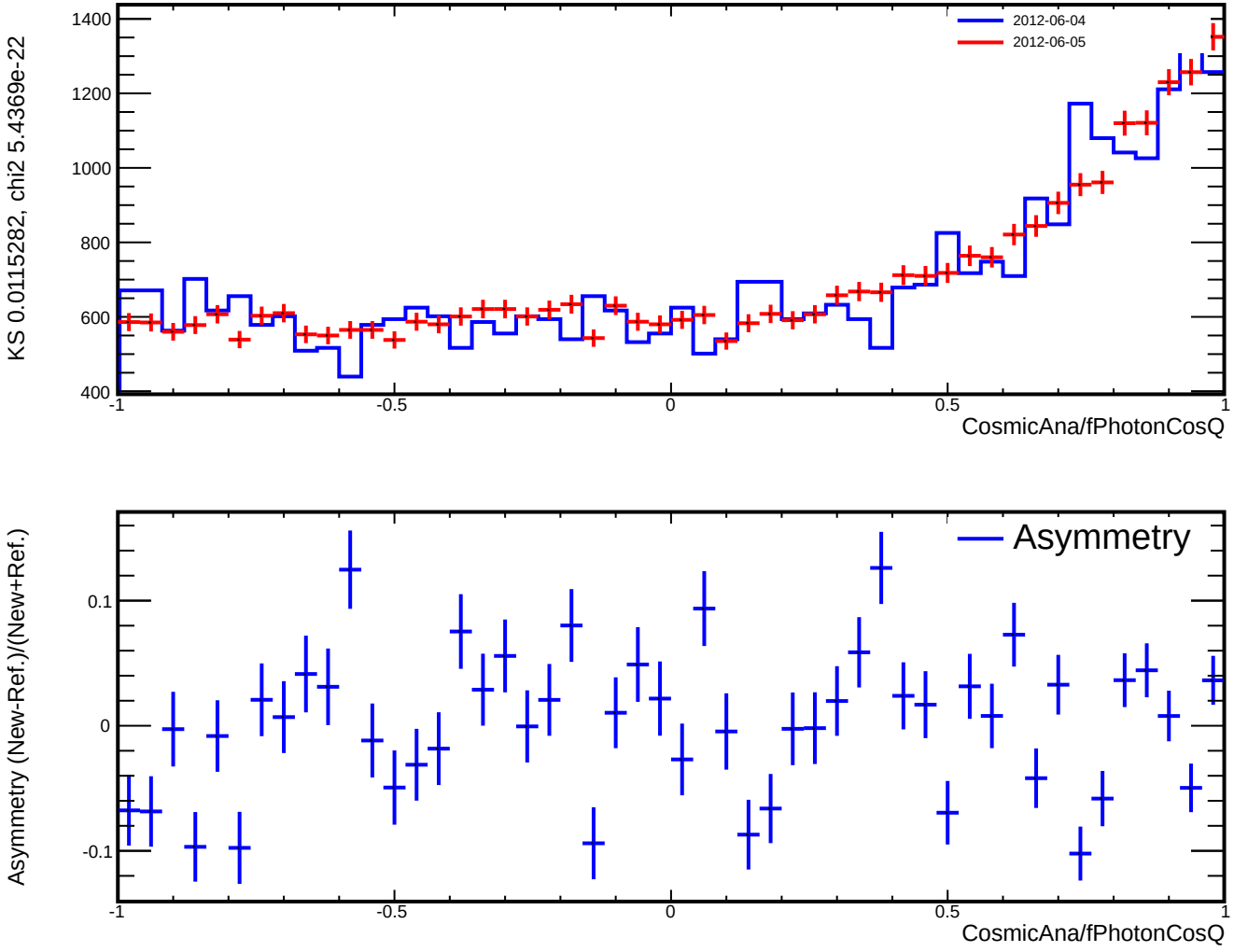

KS 0.550807, chi2 2.06368e-06
2012-06-04
2012-06-05
2000
1500
1000
500
0
0
5000
10000
15000
20000
CosmicAna/fNhitHisto

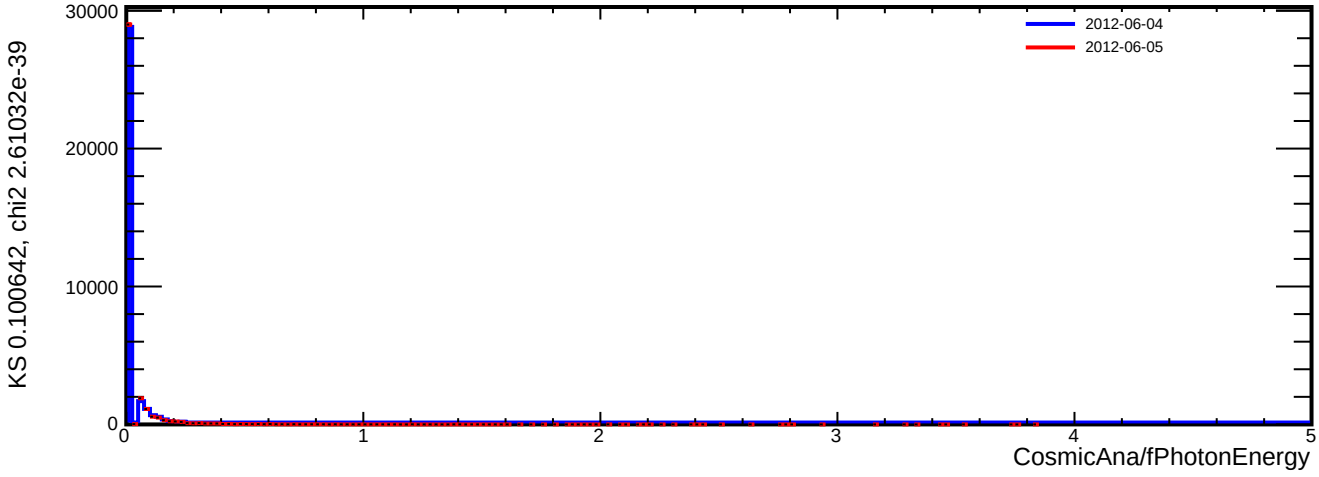

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5000
10000
15000
20000
CosmicAna/fNhitHisto

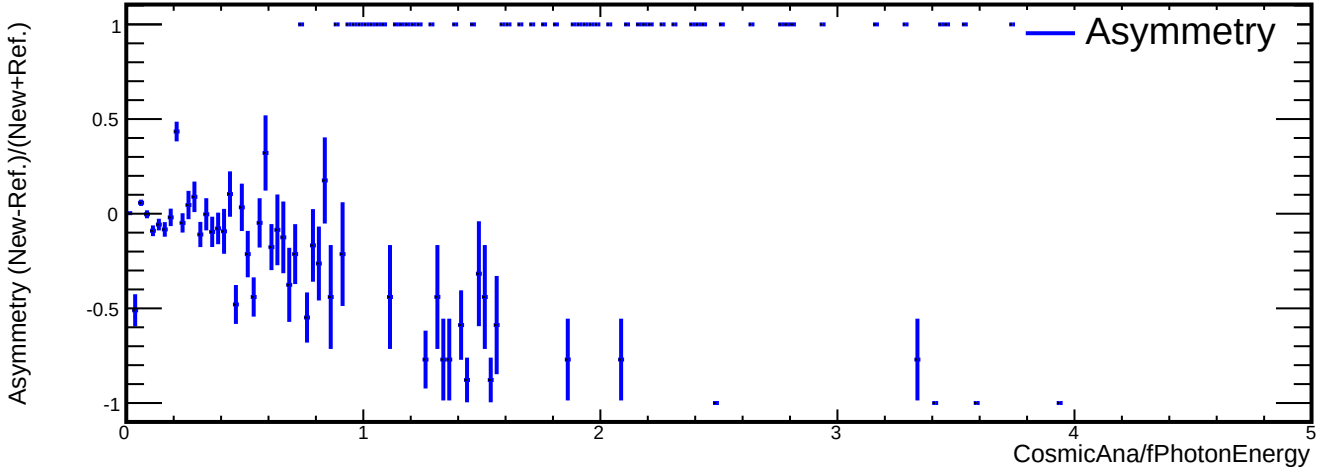

KS 9.54537e-17, chi2 1.08651e-199
×10^3
120
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
2012-06-04
2012-06-05
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
Asymmetry
CosmicAna/fDminHisto0

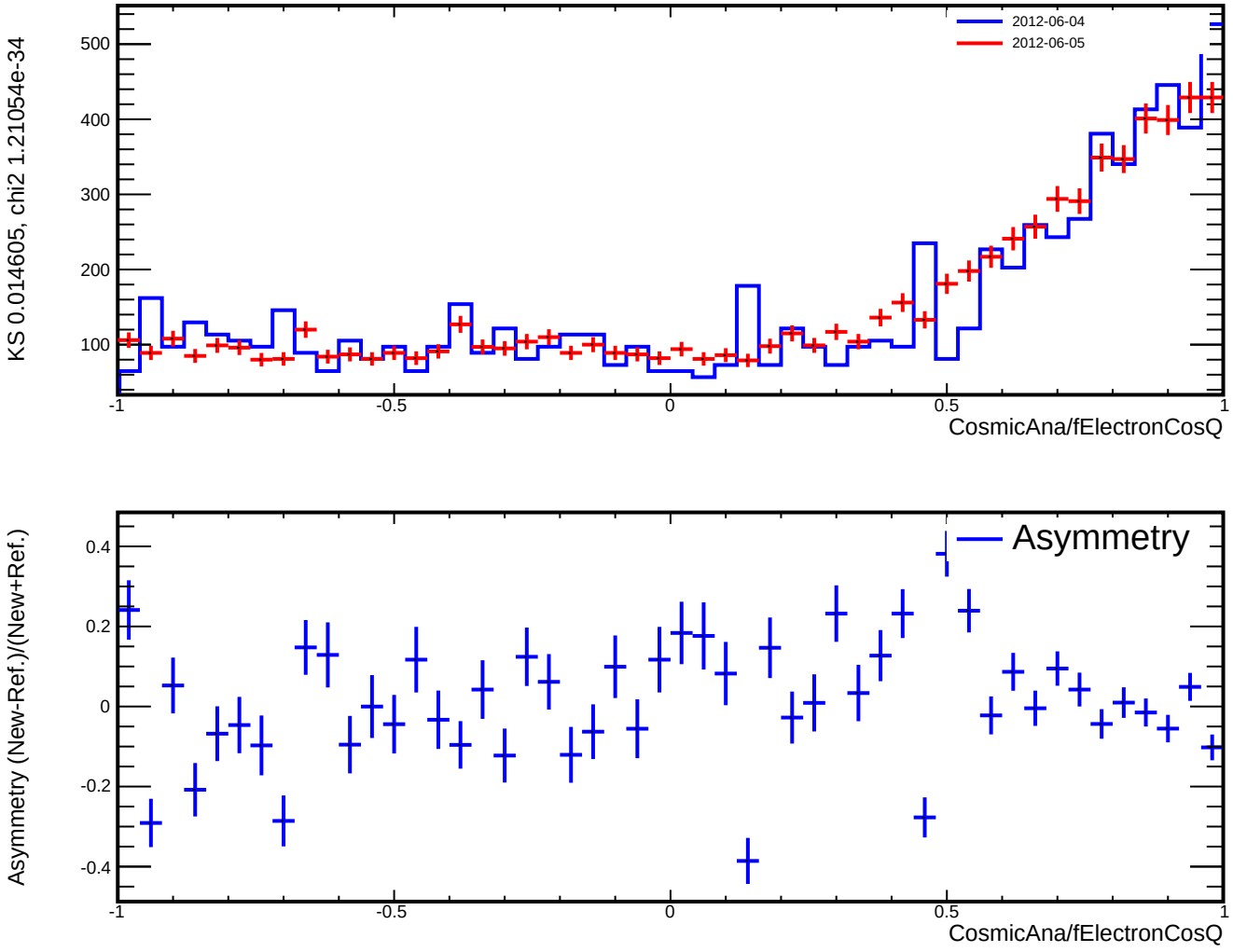

KS 1.14513e-21, chi2 1.53769e-30
×10^3
100
80
60
40
20
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto1
2012-06-04
2012-06-05

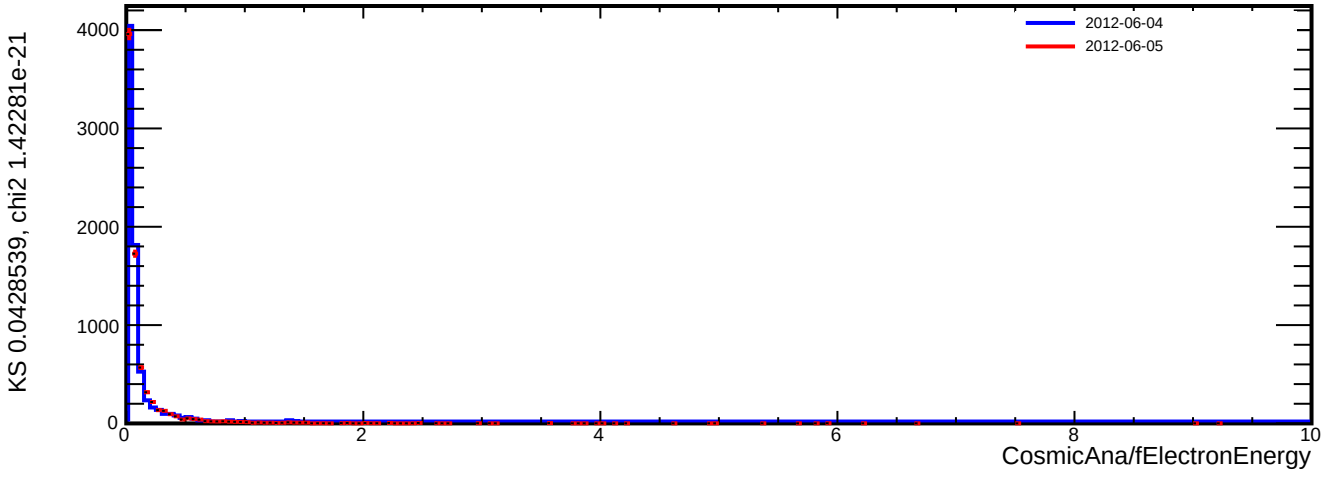

Asymmetry (New-Ref.)/(New+Ref.)
1
0.8
0.6
0.4
0.2
0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto1
Asymmetry

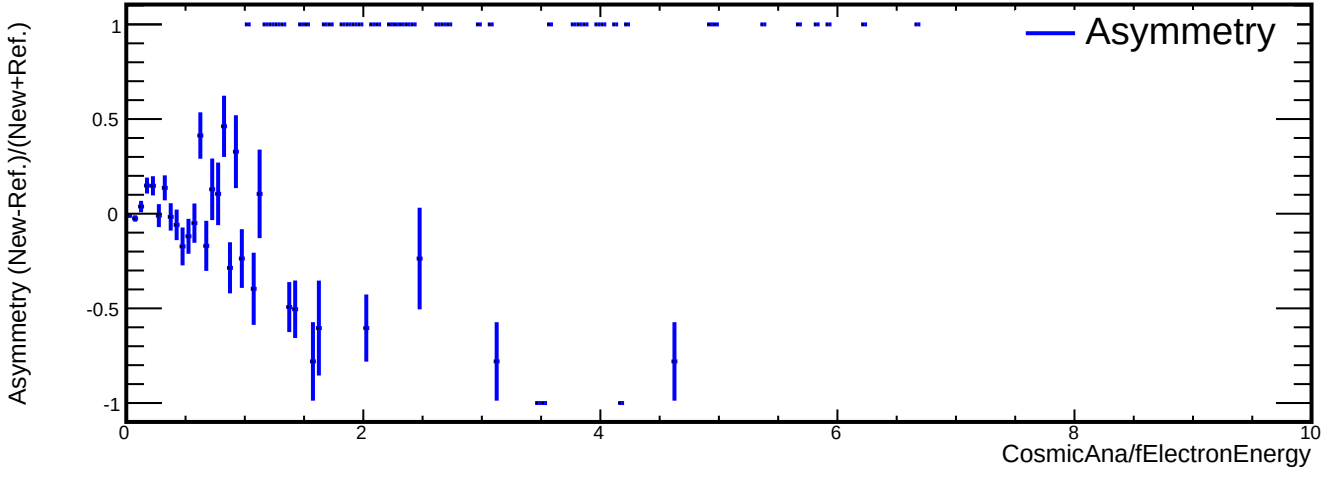

KS 0.0115282, chi2 5.4369e-22
1400
1200
1000
800
600
400
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
2012-06-04
2012-06-05
Asymmetry (New-Ref.)/(New+Ref.)
0.1
0
-0.1
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
Asymmetry

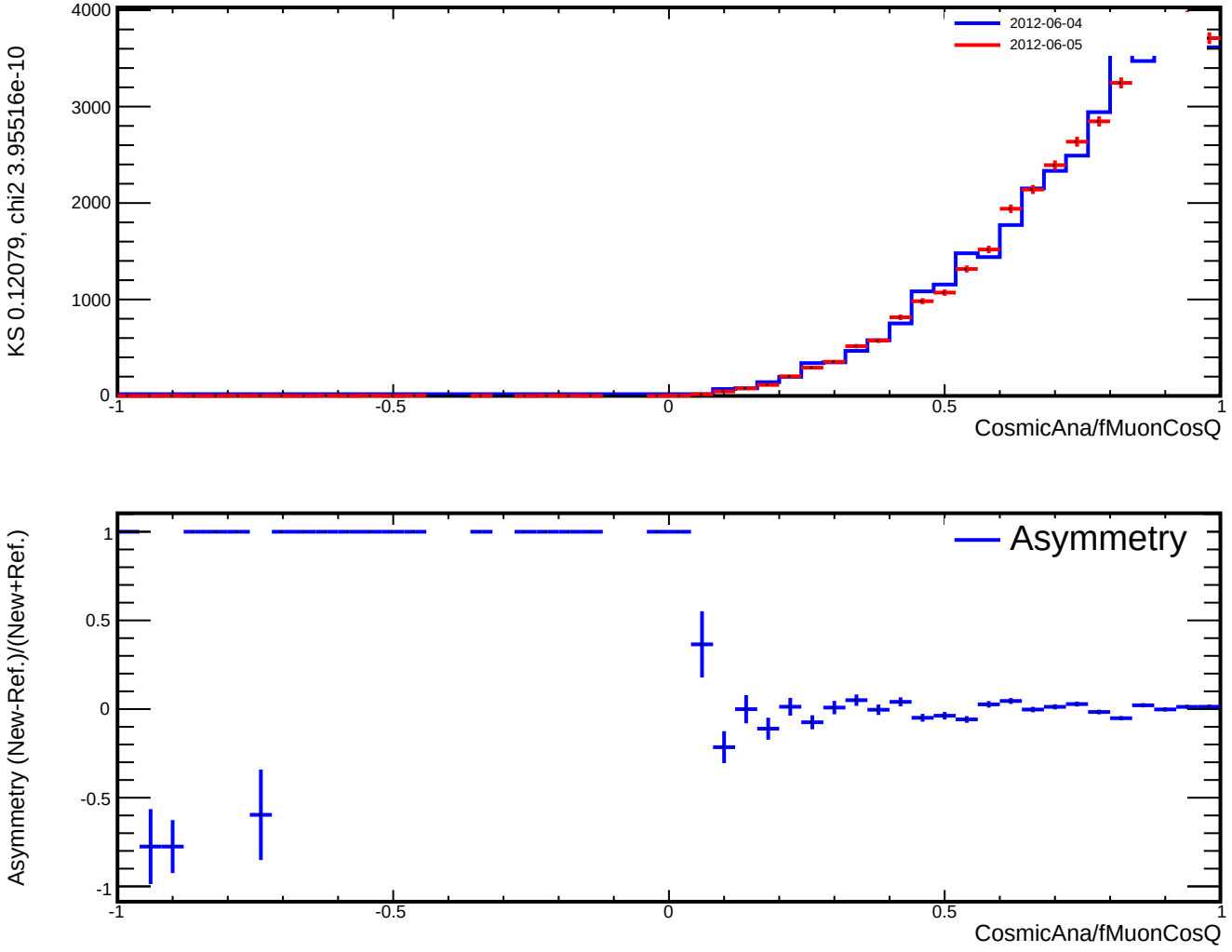

KS 0.100642, chi2 2.61032e-39
30000
20000
10000
0
0
1
2
3
4
5
CosmicAna/fPhotonEnergy
2012-06-04
2012-06-05

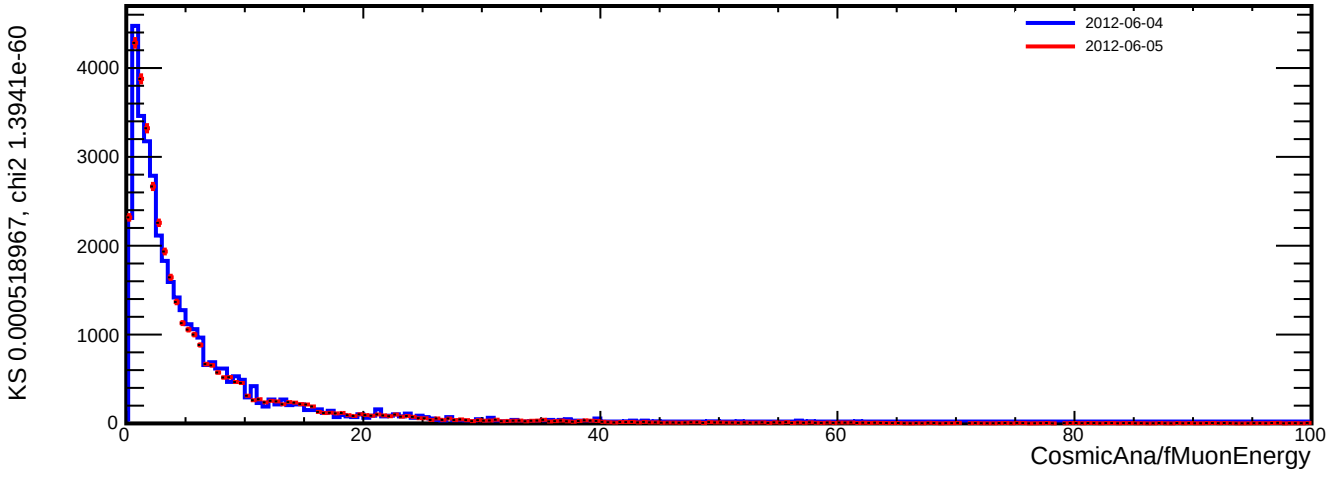

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
1
2
3
4
5
CosmicAna/fPhotonEnergy
Asymmetry

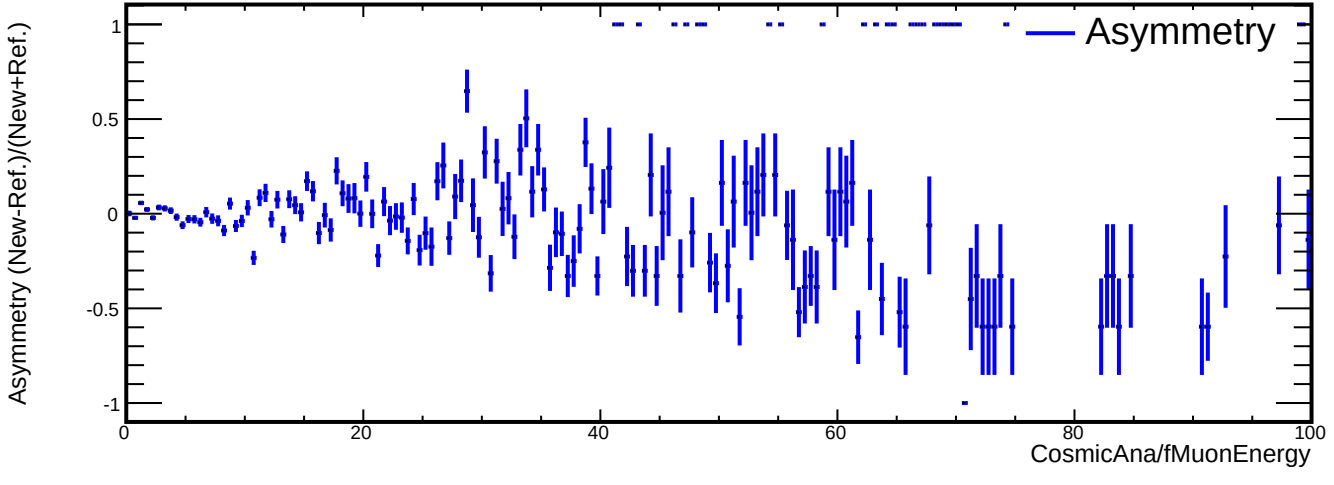

KS 0.014605, chi2 1.21054e-34
2012-06-04
2012-06-05
500
400
300
200
100
-1
-0.5
0
0.5
1
CosmicAna/fElectronCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-0.4
-1
-0.5
0
0.5
1
CosmicAna/fElectronCosQ

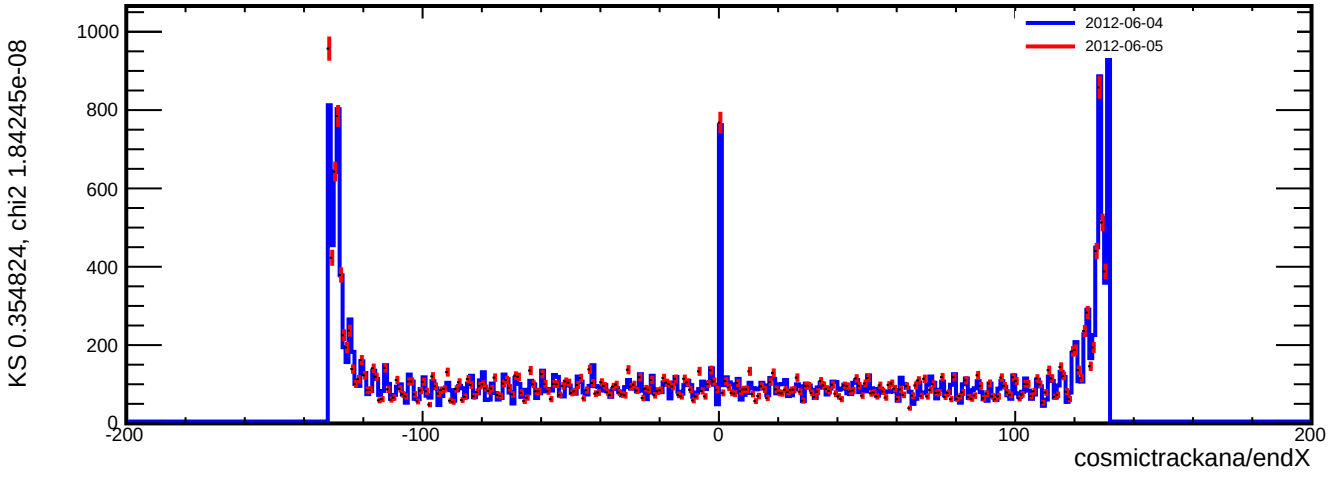

KS 0.0428539, chi2 1.42281e-21
2012-06-04
2012-06-05
4000
3000
2000
1000
0
0
2
4
6
8
10
CosmicAna/fElectronEnergy

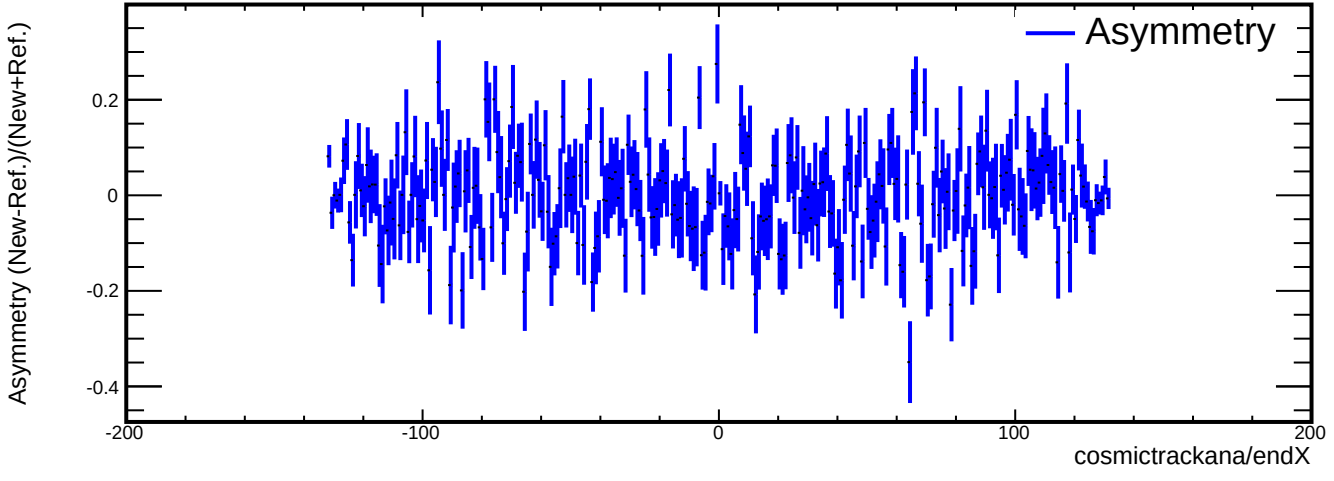

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2
4
6
8
10
CosmicAna/fElectronEnergy

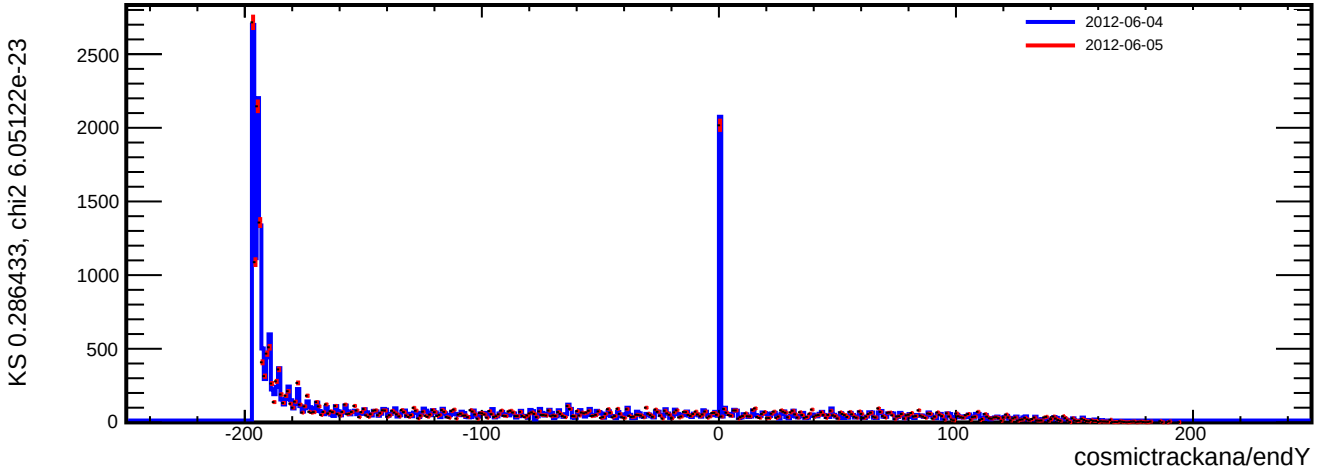

KS 0.12079, chi2 3.95516e-10
2012-06-04
2012-06-05
CosmicAna/fMuonCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
CosmicAna/fMuonCosQ

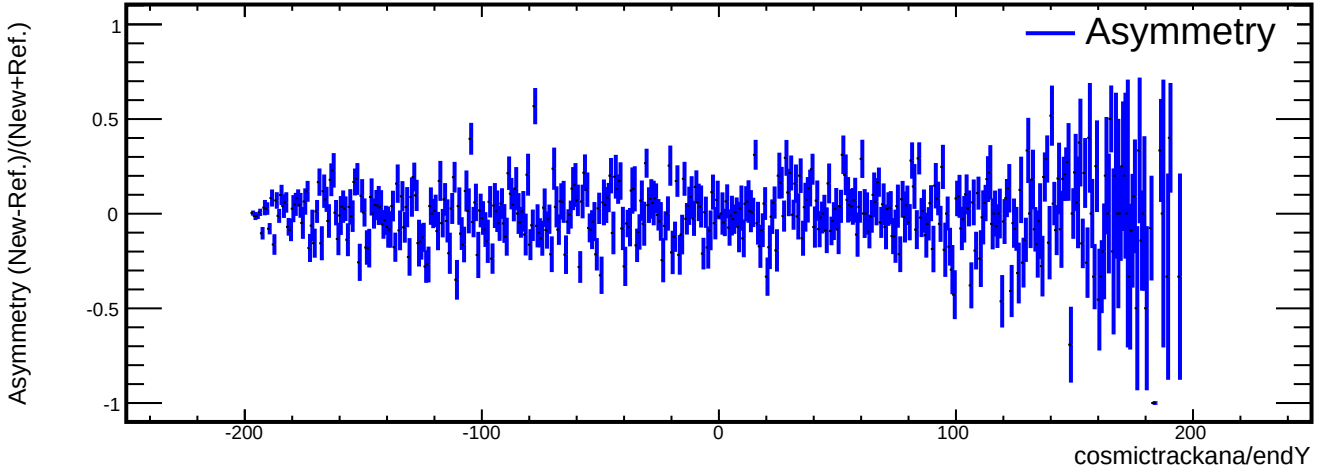

KS 0.000518967, chi2 1.3941e-60
2012-06-04
2012-06-05
4000
3000
2000
1000
0
0
20
40
60
80
100
CosmicAna/fMuonEnergy

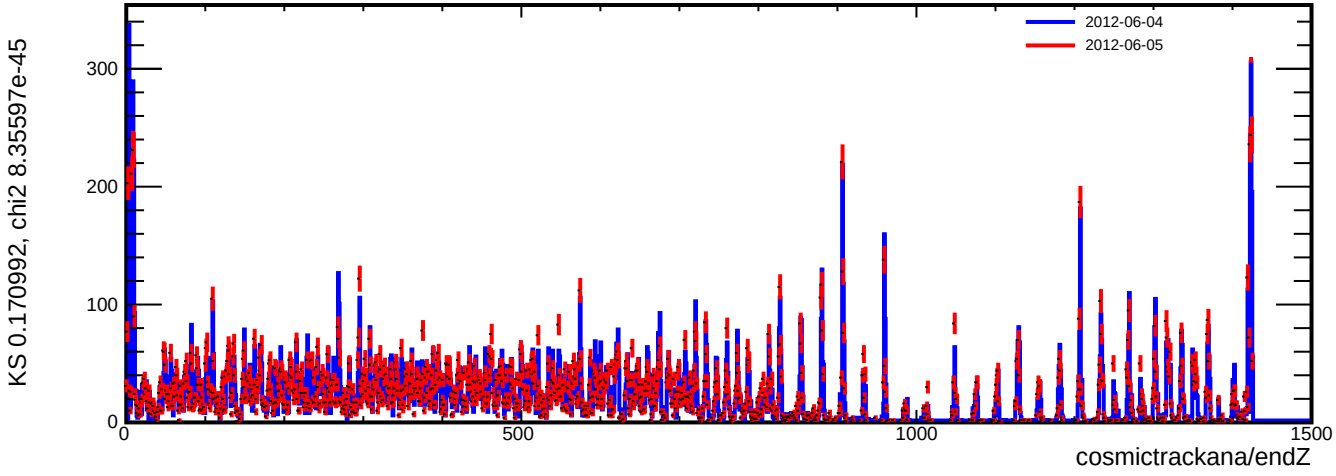

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
20
40
60
80
100
CosmicAna/fMuonEnergy

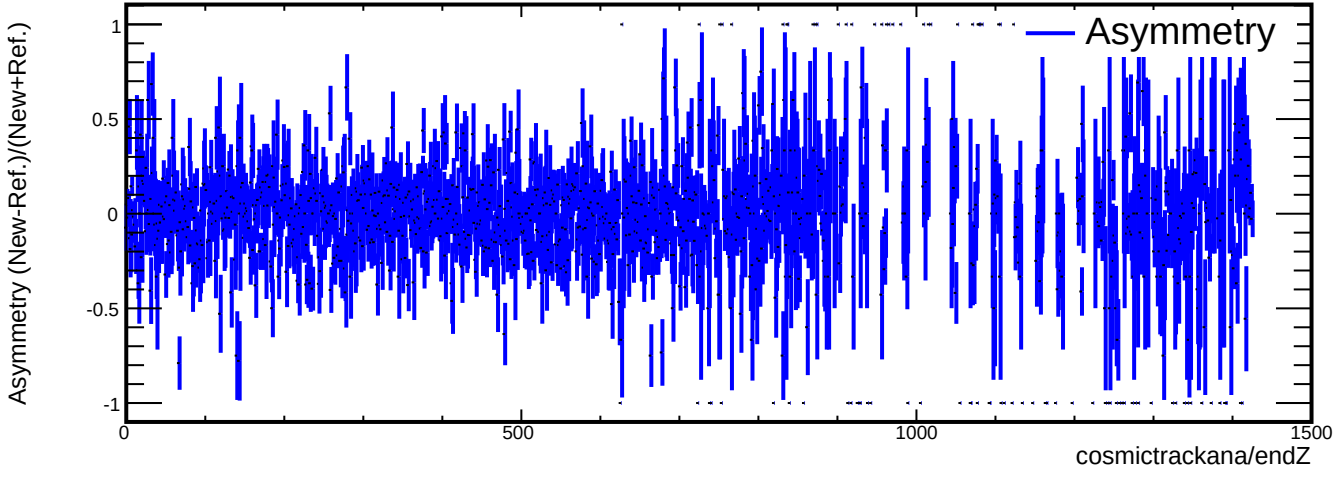

KS 0.354824, chi2 1.84245e-08
2012-06-04
2012-06-05
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

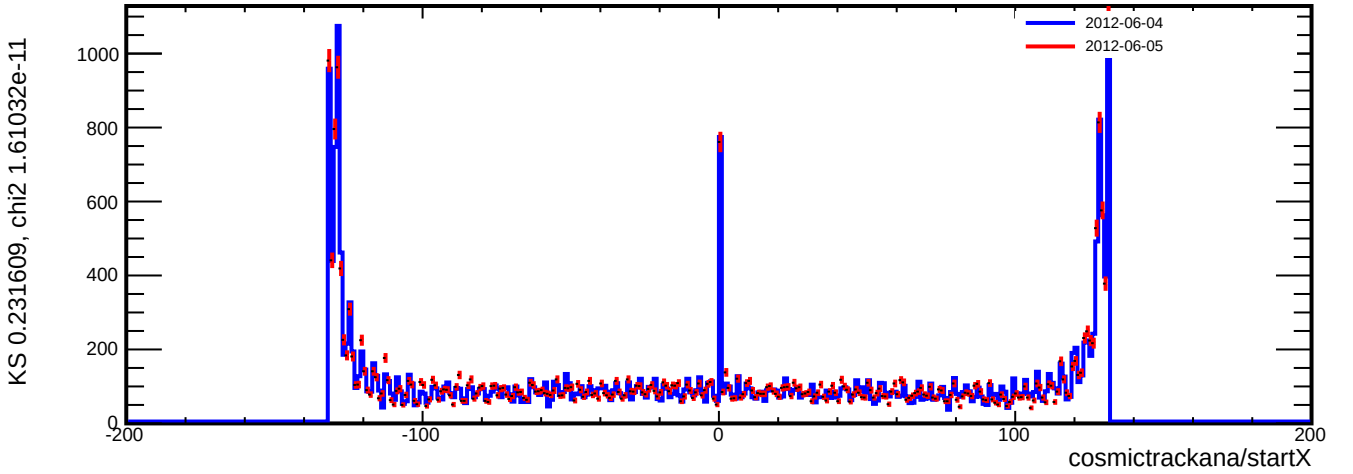

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0
-0.2
-0.4
-200
-100
0
100
200
cosmictrackana/endX

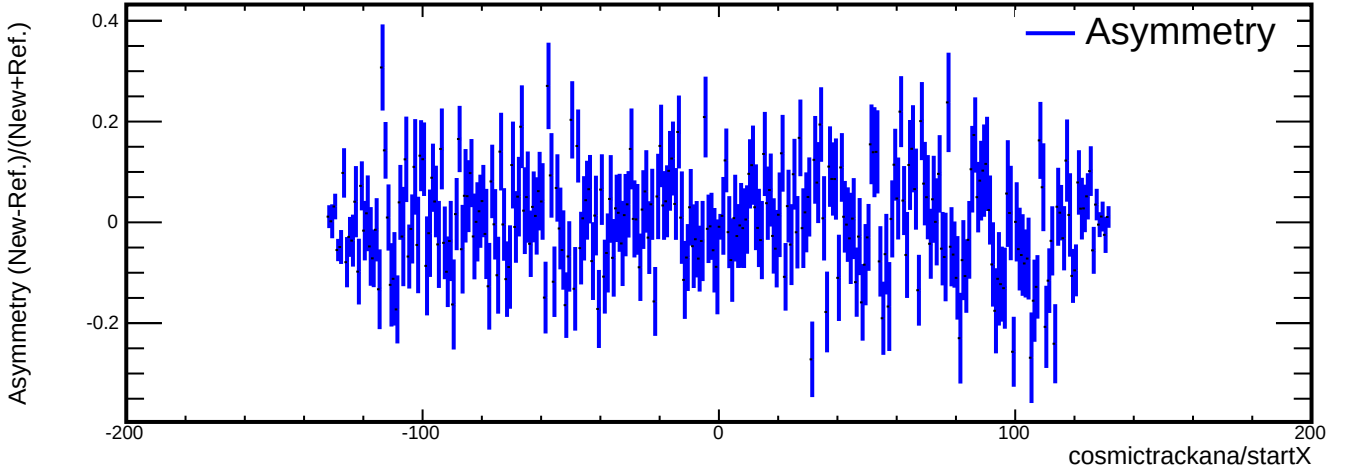

KS 0.286433, chi2 6.05122e-23
2012-06-04
2012-06-05
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

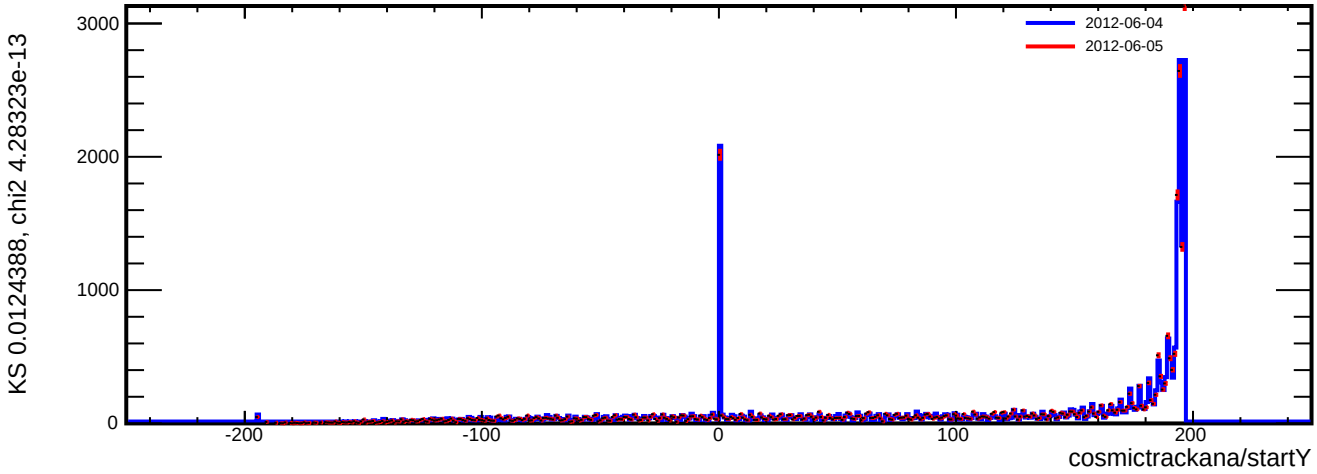

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

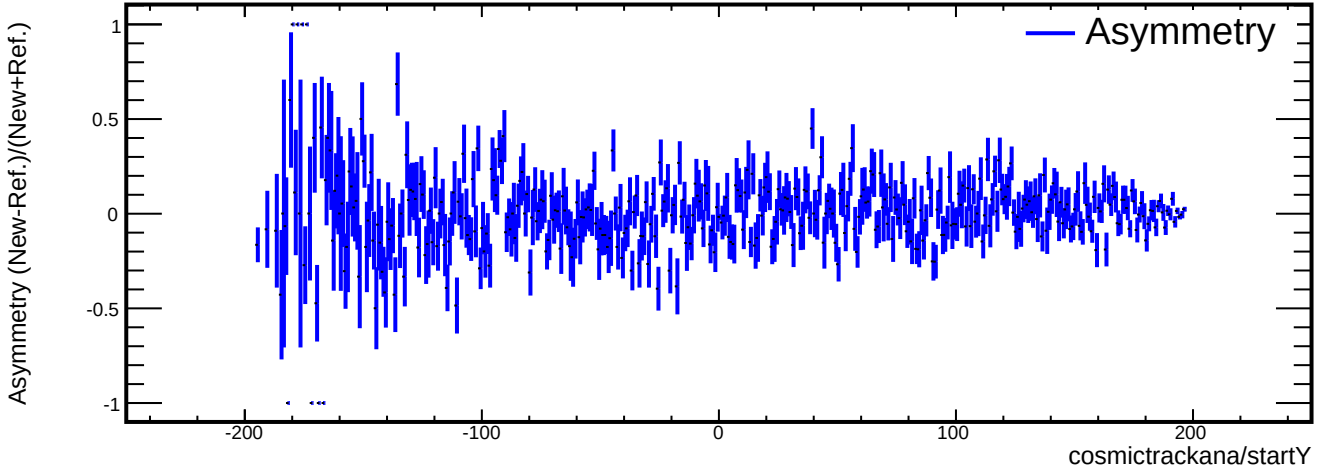

KS 0.170992, chi2 8.35597e-45
2012-06-04
2012-06-05
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

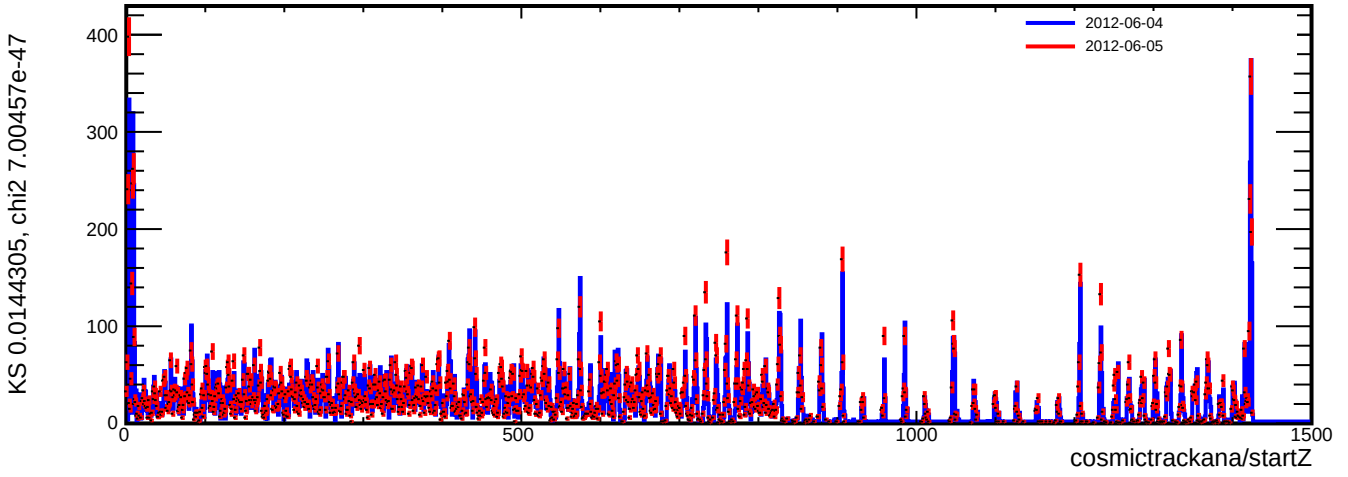

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

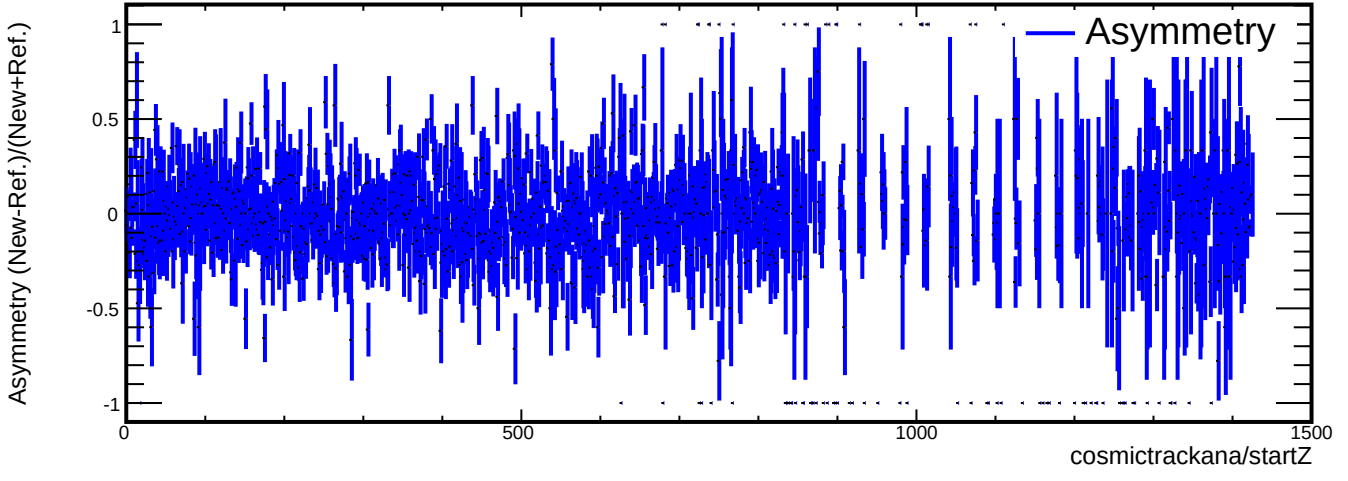

KS 0.231609, chi2 1.61032e-11
2012-06-04
2012-06-05
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

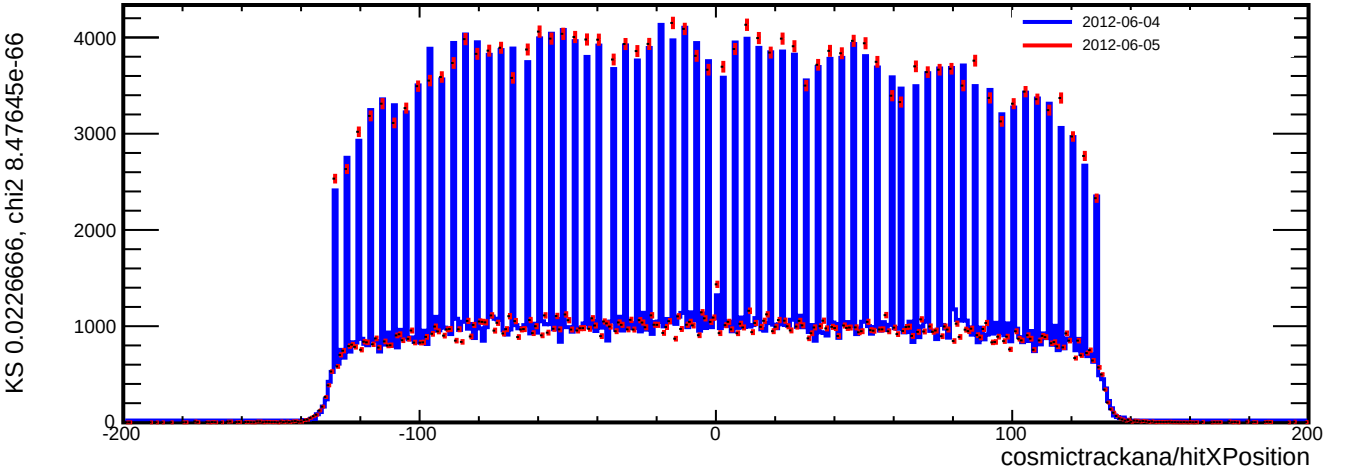

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-200
-100
0
100
200
cosmictrackana/startX

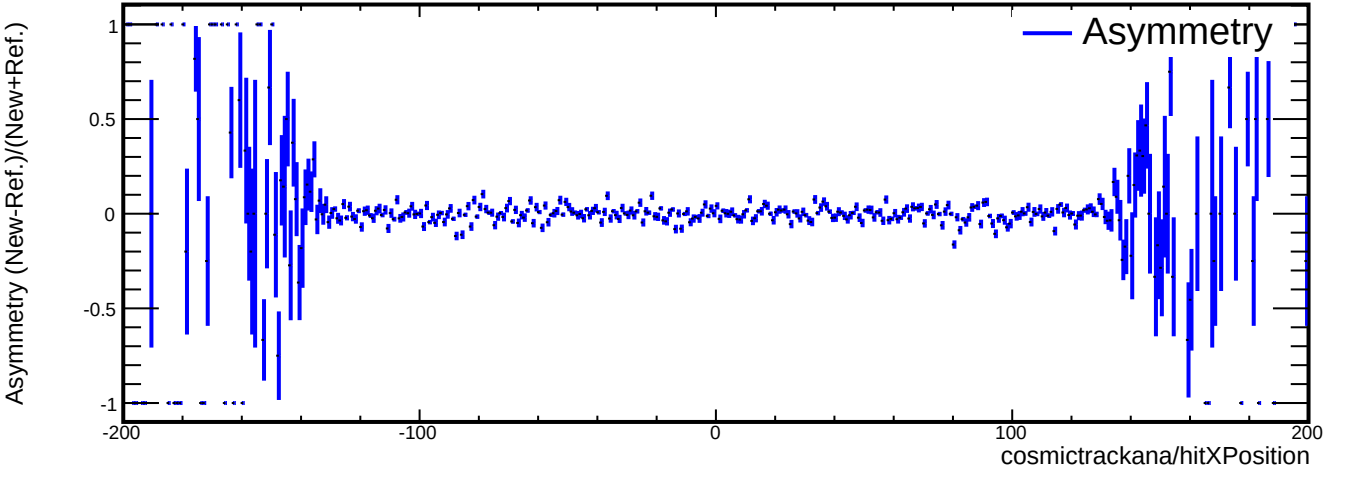

KS 0.0124388, chi2 4.28323e-13
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2012-06-04
2012-06-05

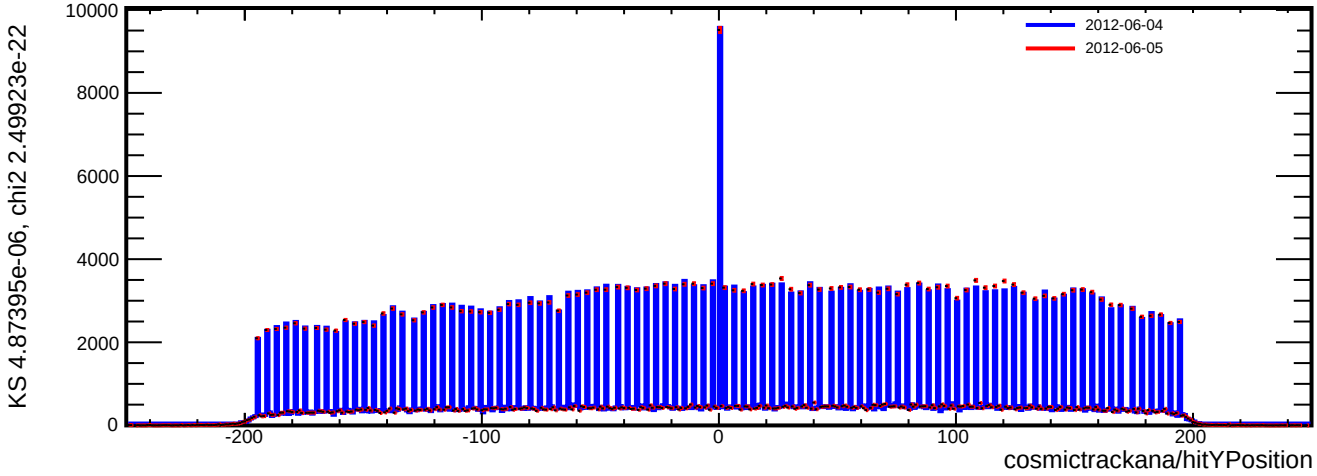

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

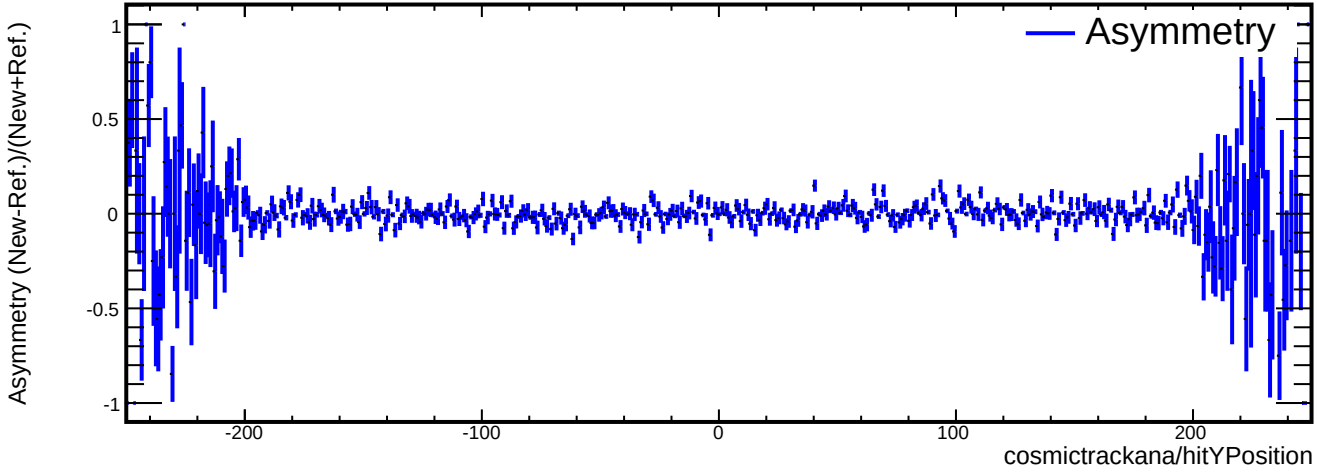

KS 0.0144305, chi2 7.00457e-47
400
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ
2012-06-04
2012-06-05

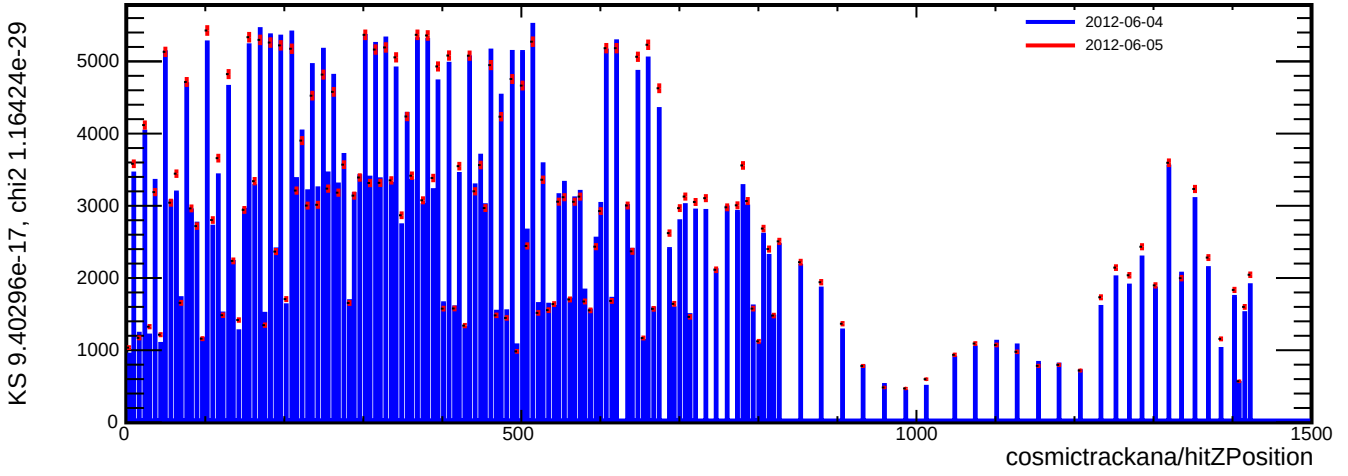

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ
Asymmetry

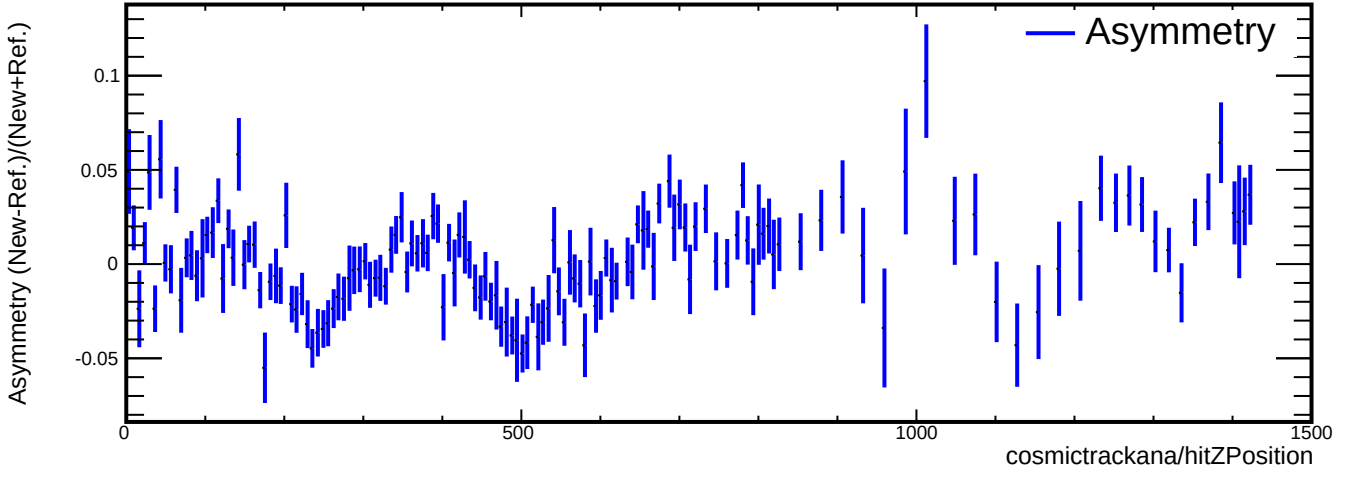

KS 0.0226666, chi2 8.47645e-66
2012-06-04
2012-06-05
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

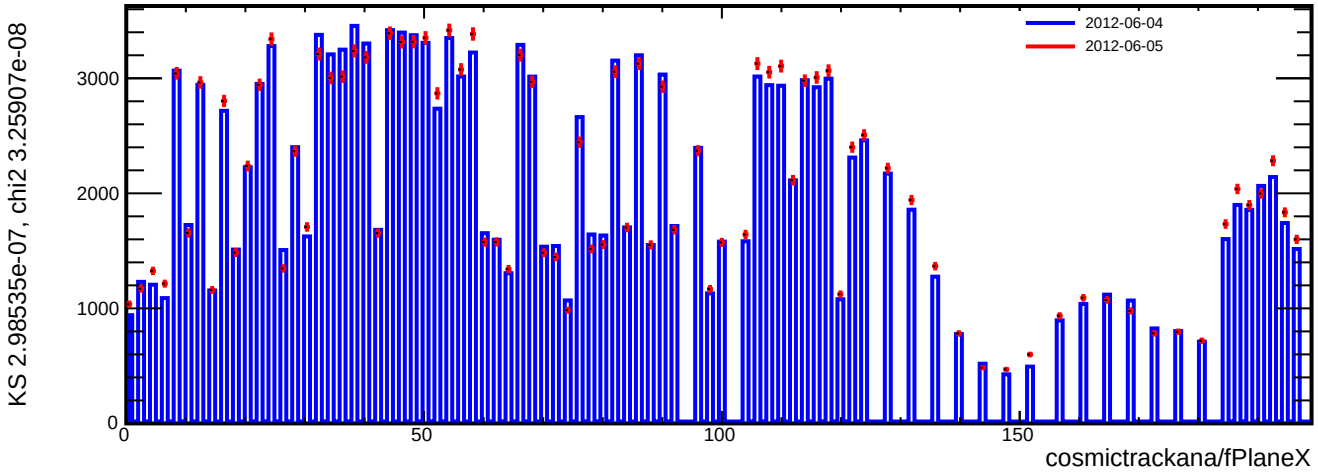

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition

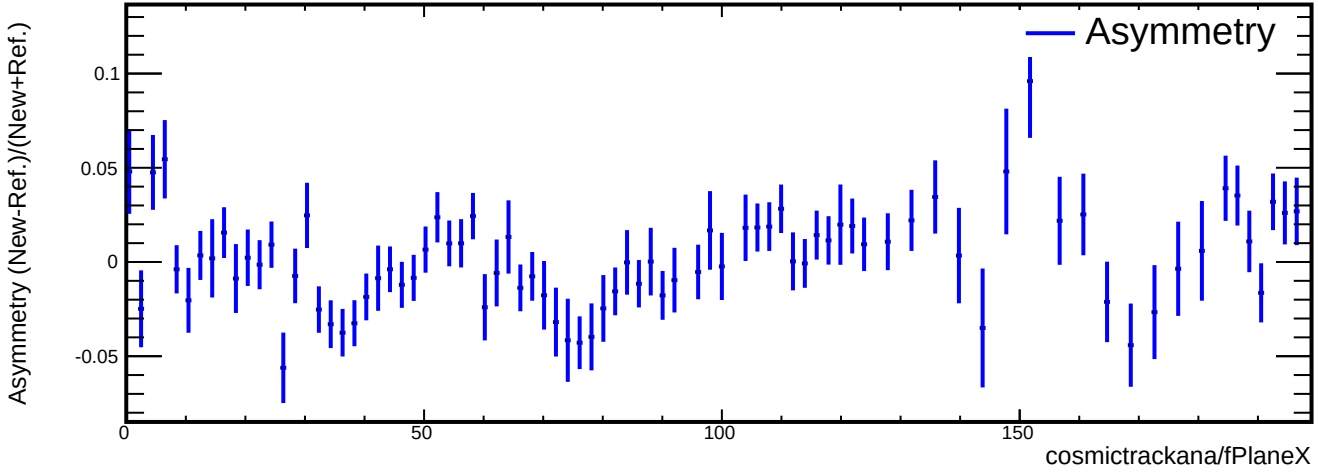

KS 4.87395e-06, chi2 2.49923e-22
10000
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition
2012-06-04
2012-06-05

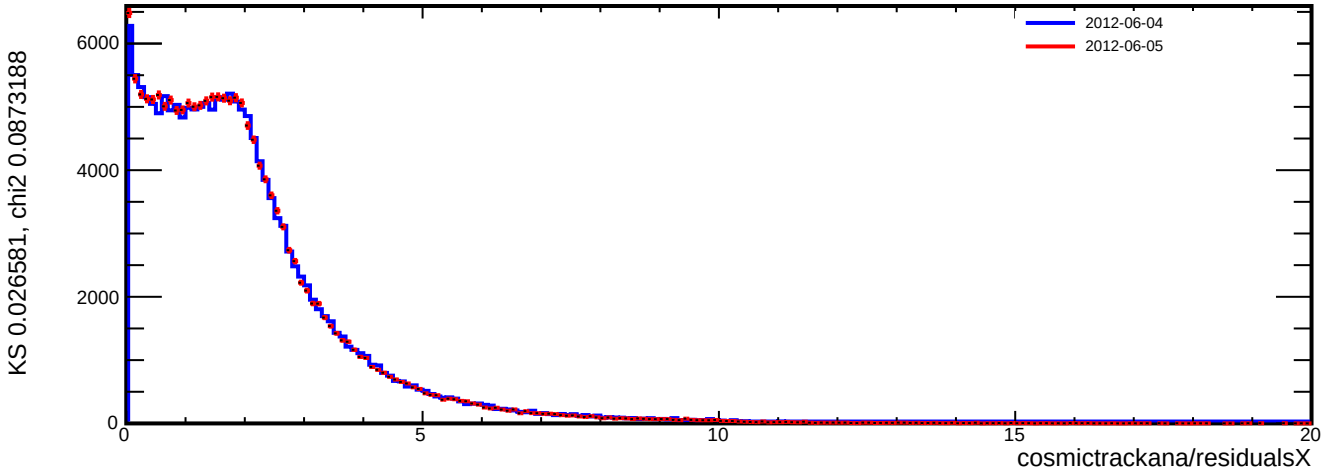

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition
Asymmetry

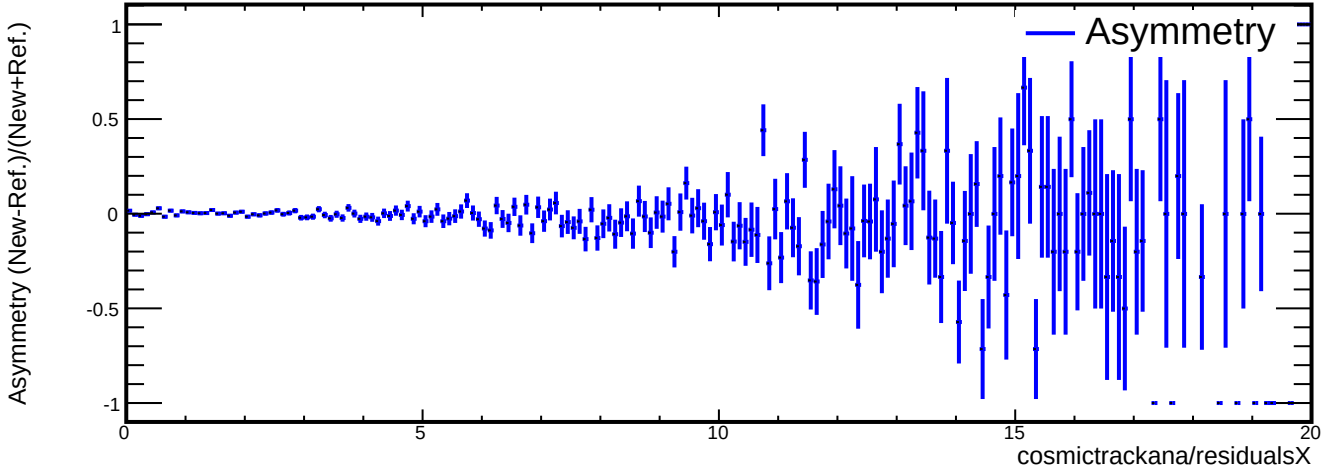

KS 9.40296e-17, chi2 1.16424e-29
2012-06-04
2012-06-05
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

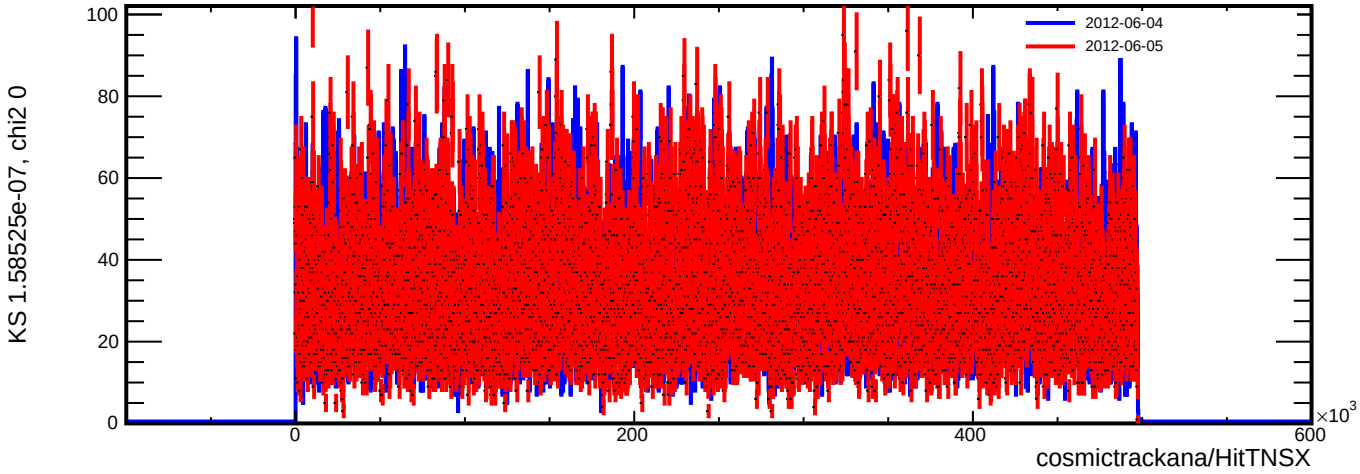

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-0.05
0
0.05
0.1
0
500
1000
1500
cosmictrackana/hitZPosition

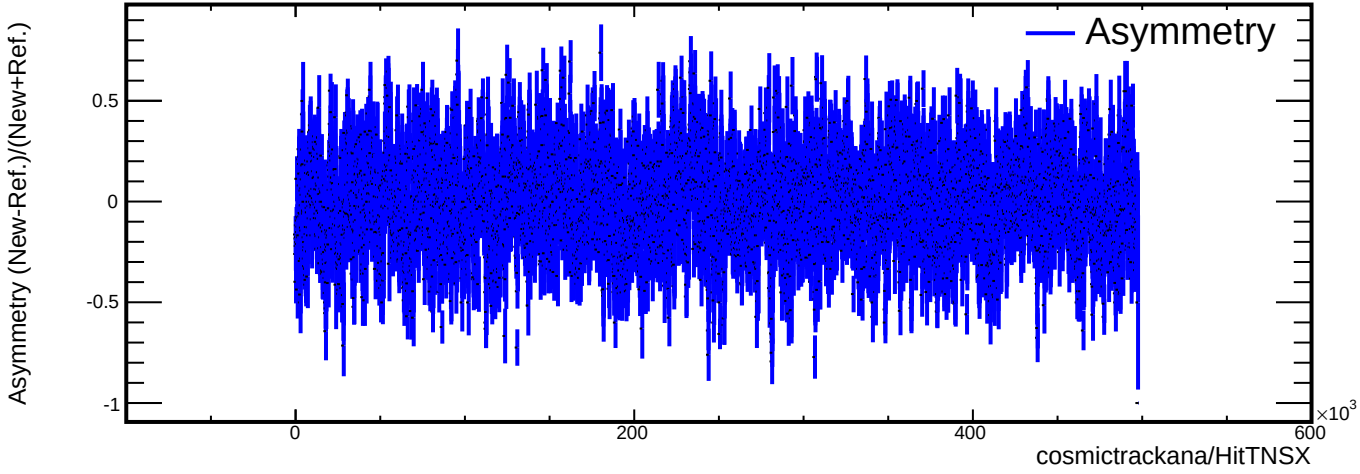

KS 2.98535e-07, chi2 3.25907e-08
2012-06-04
2012-06-05
0
1000
2000
3000
0
50
100
150
cosmictrackana/fPlaneX

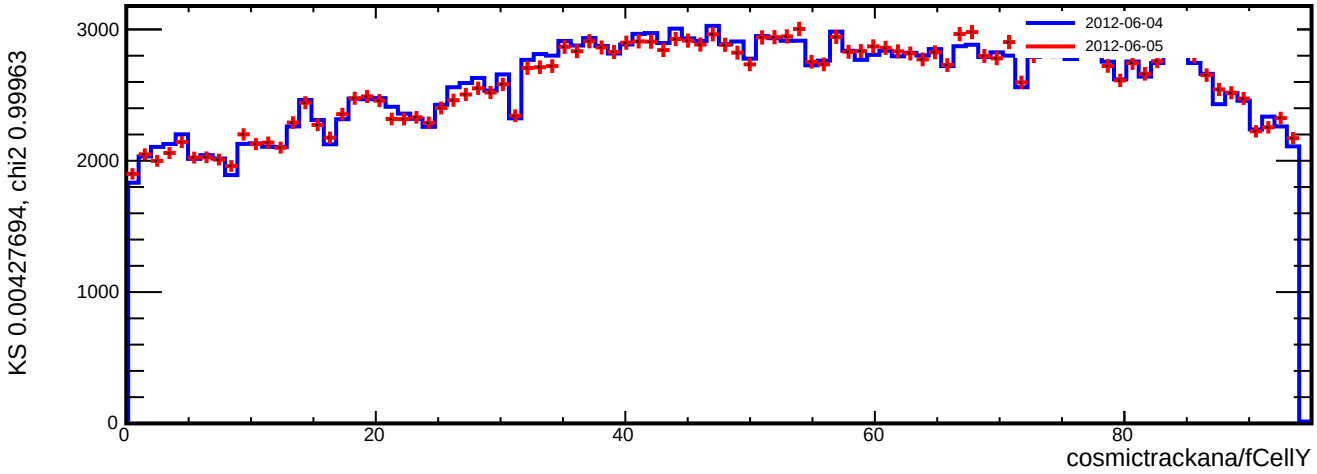

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
0
50
100
150
cosmictrackana/fPlaneX

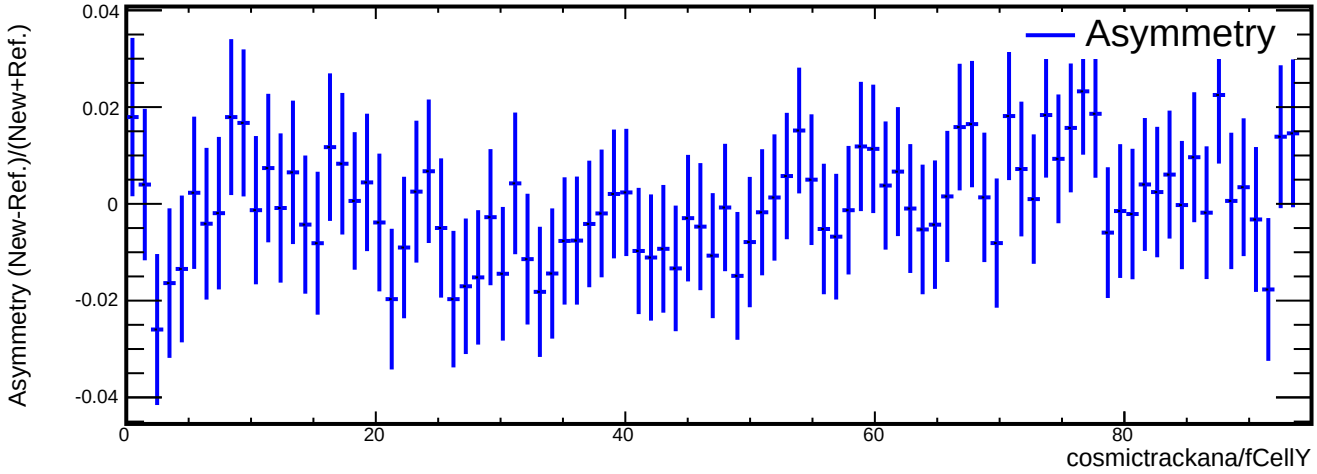

KS 0.026581, chi2 0.0873188
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX
2012-06-04
2012-06-05

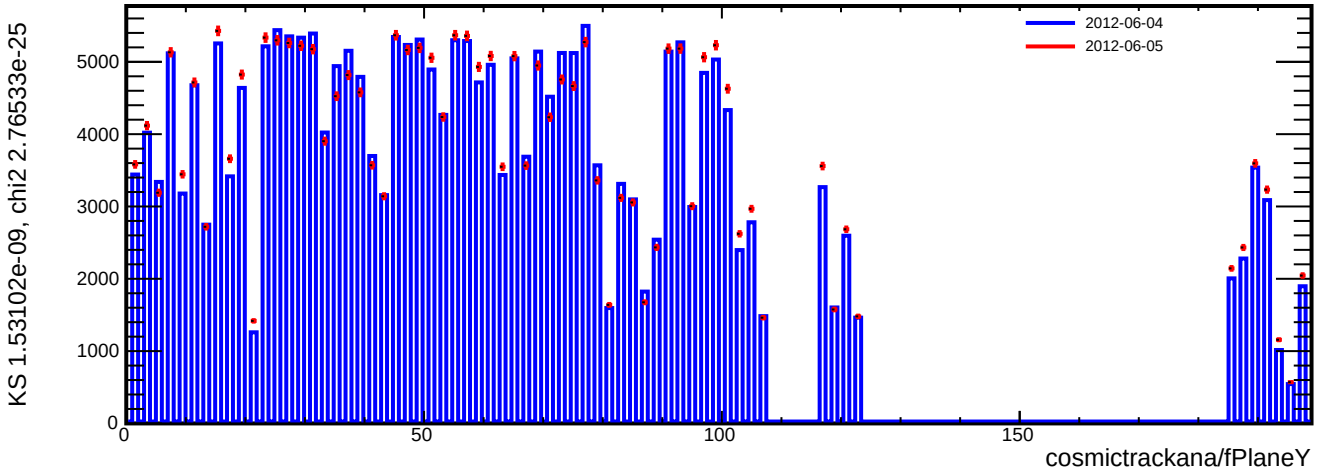

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX
Asymmetry

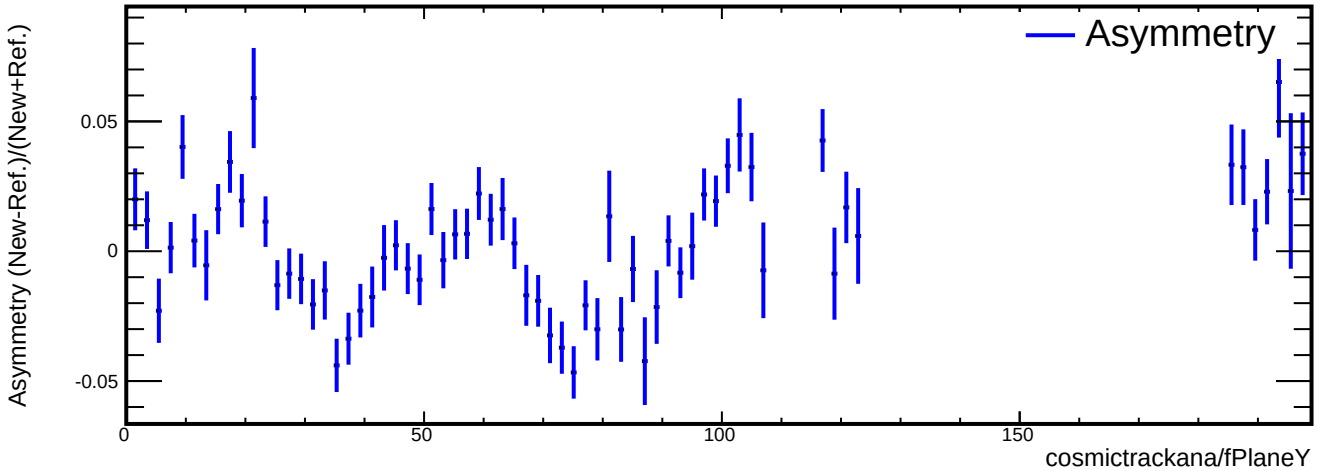

KS 1.58525e-07, chi2 0
2012-06-04
2012-06-05
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

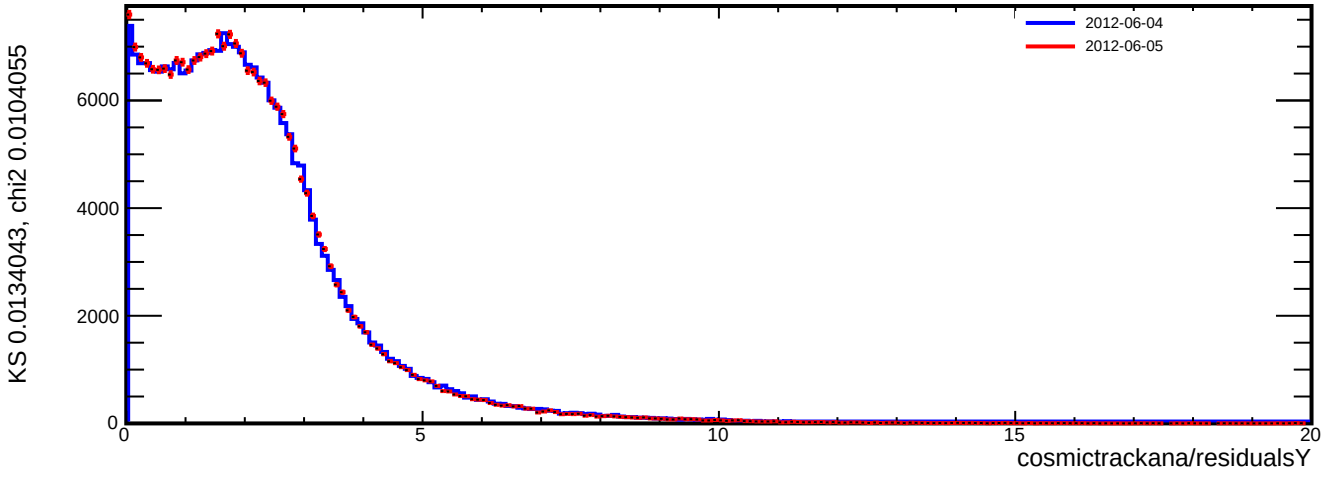

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX

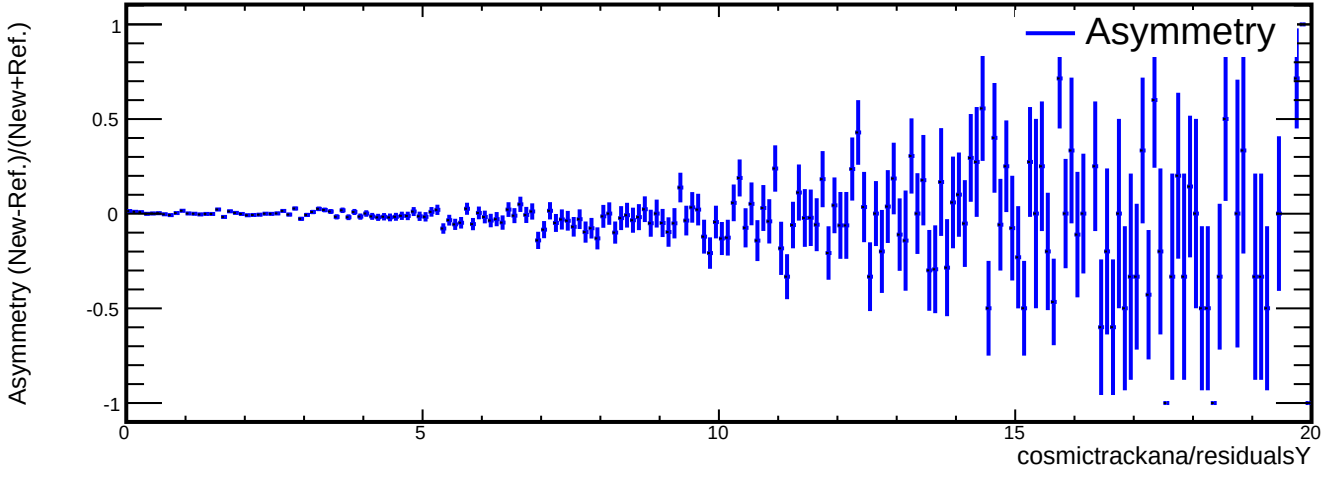

KS 0.00427694, chi2 0.99963
2012-06-04
2012-06-05
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY

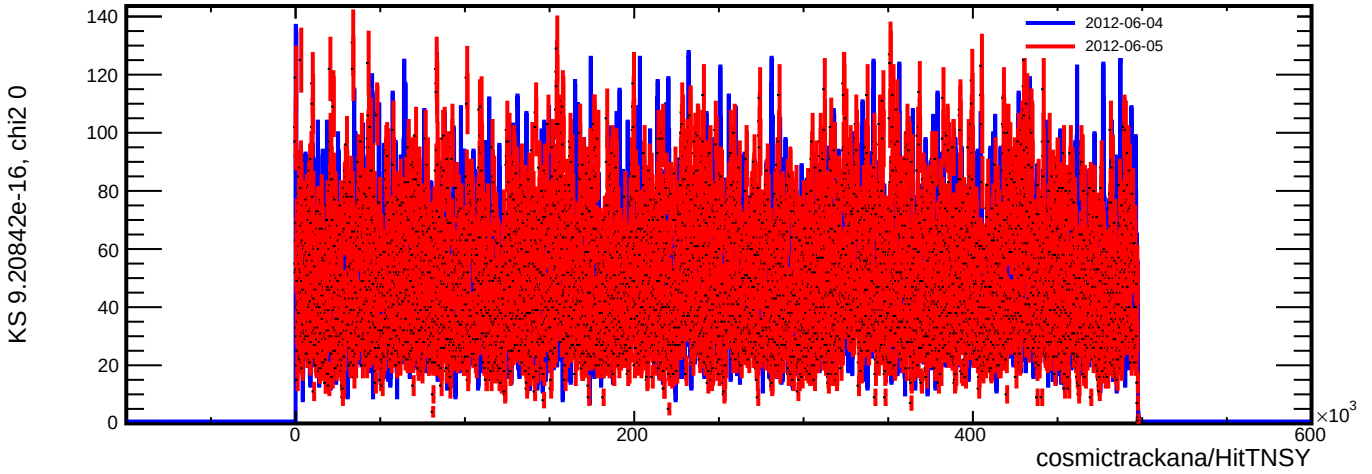

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.04
0.02
0
-0.02
-0.04
0
20
40
60
80
cosmictrackana/fCellY

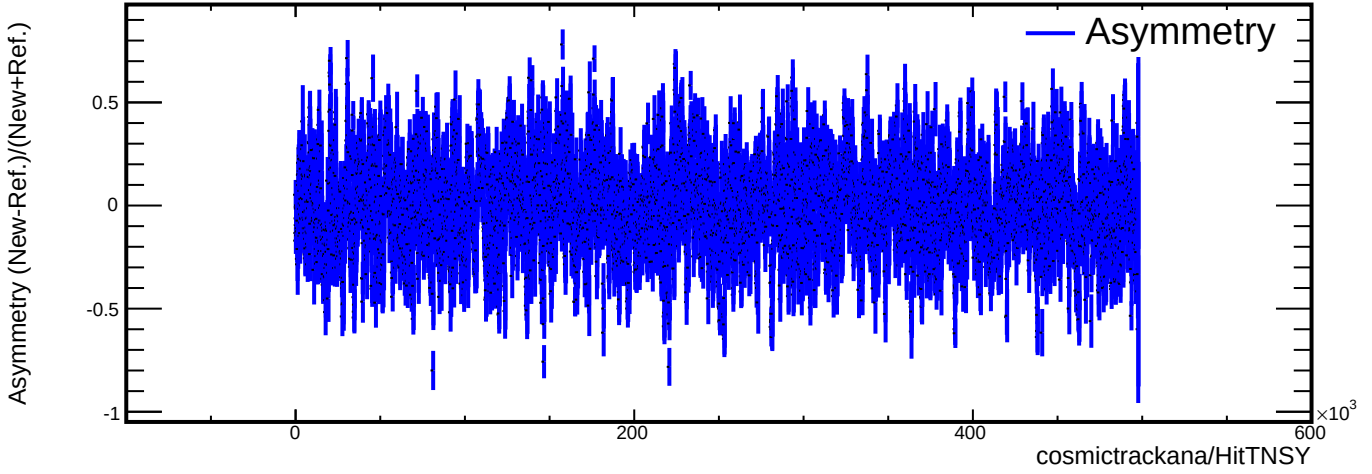

KS 1.53102e-09, chi2 2.76533e-25
2012-06-04
2012-06-05
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


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


KS 0.0134043, chi2 0.0104055
2012-06-04
2012-06-05
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


KS 9.20842e-16, chi2 0
2012-06-04
2012-06-05
140
120
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


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