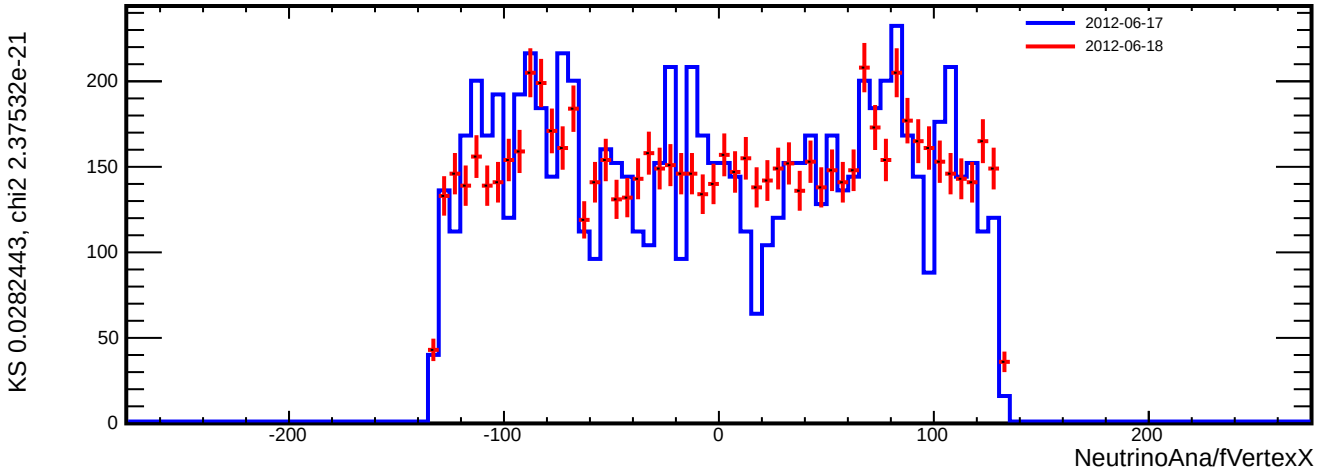
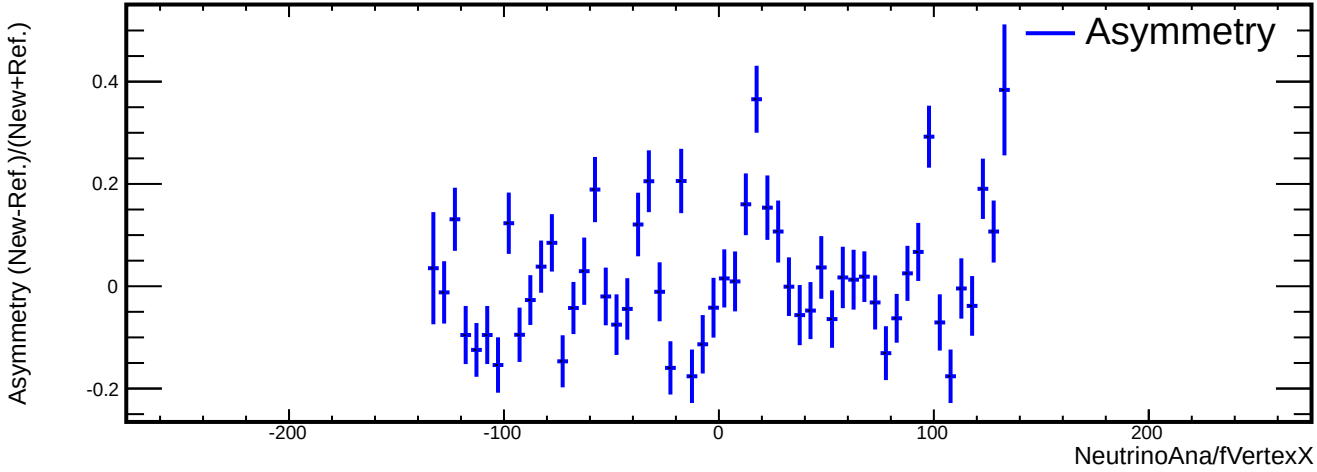
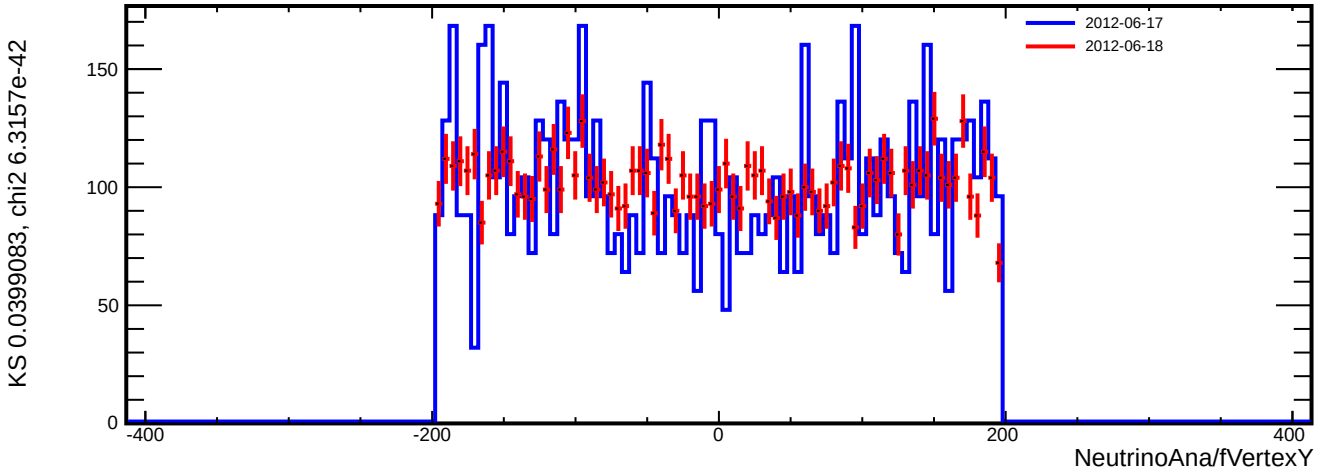
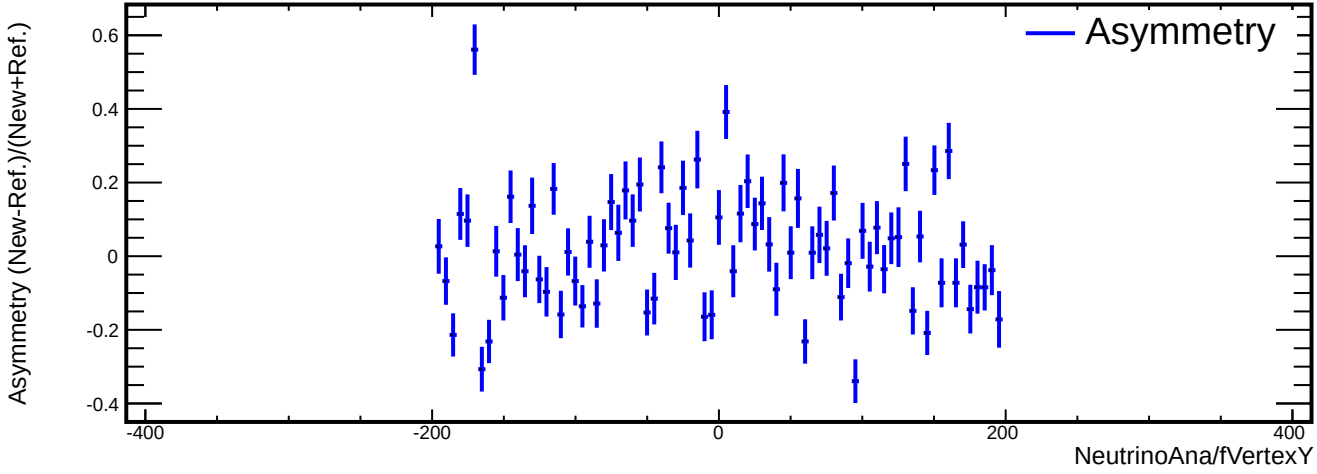
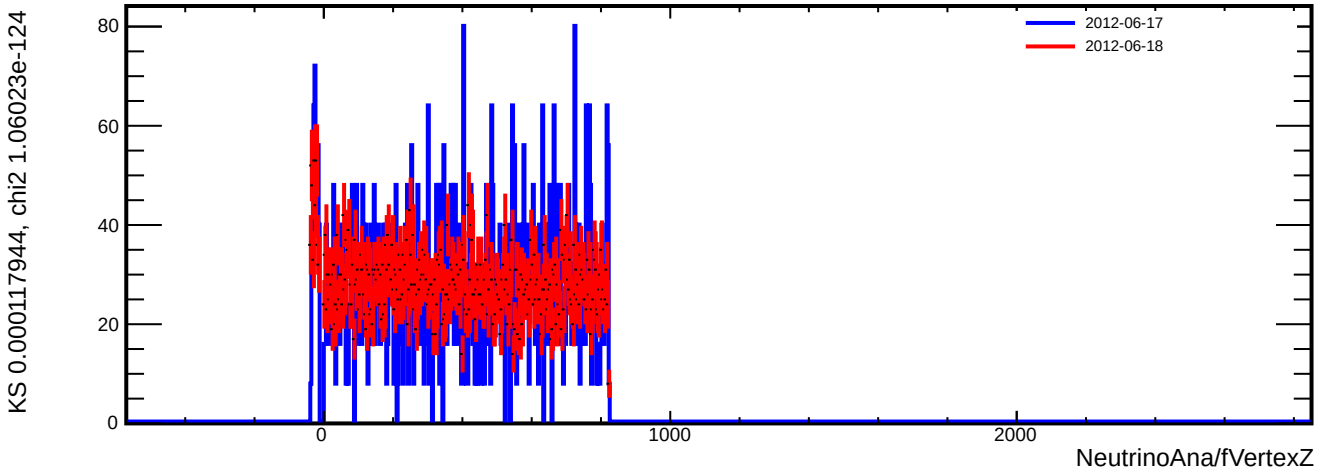
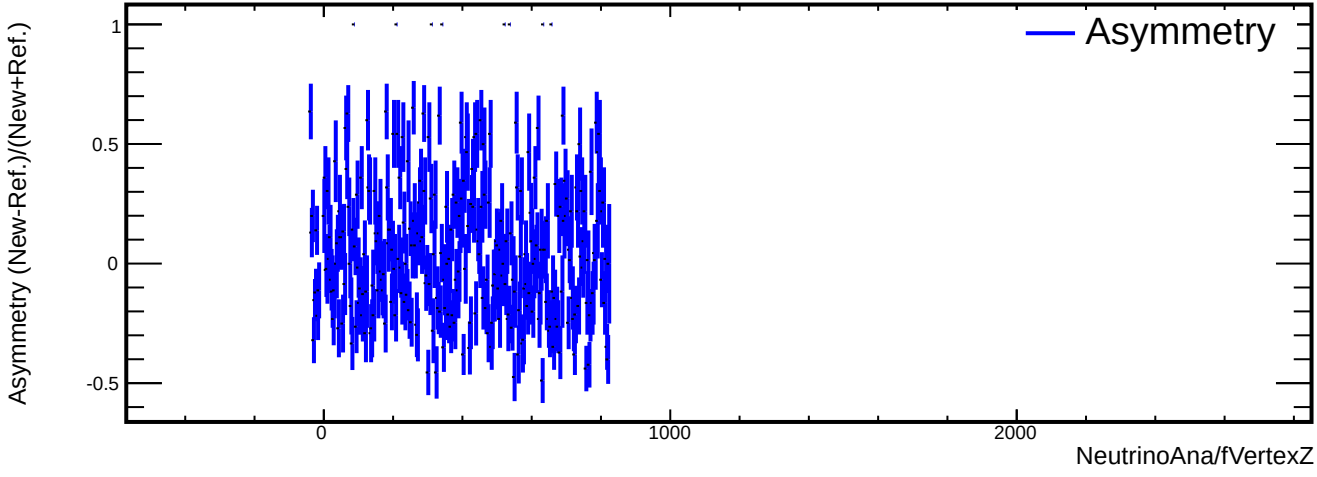

KS 0.0282443, chi2 2.37532e-21
2012-06-17
2012-06-18
NeutrinoAna/fVertexX

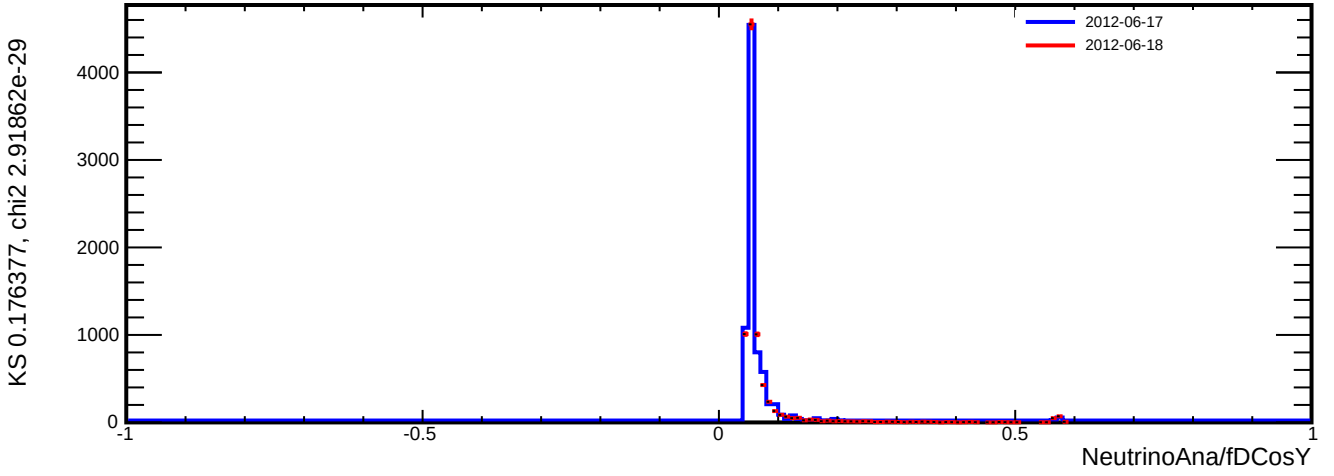

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fVertexX

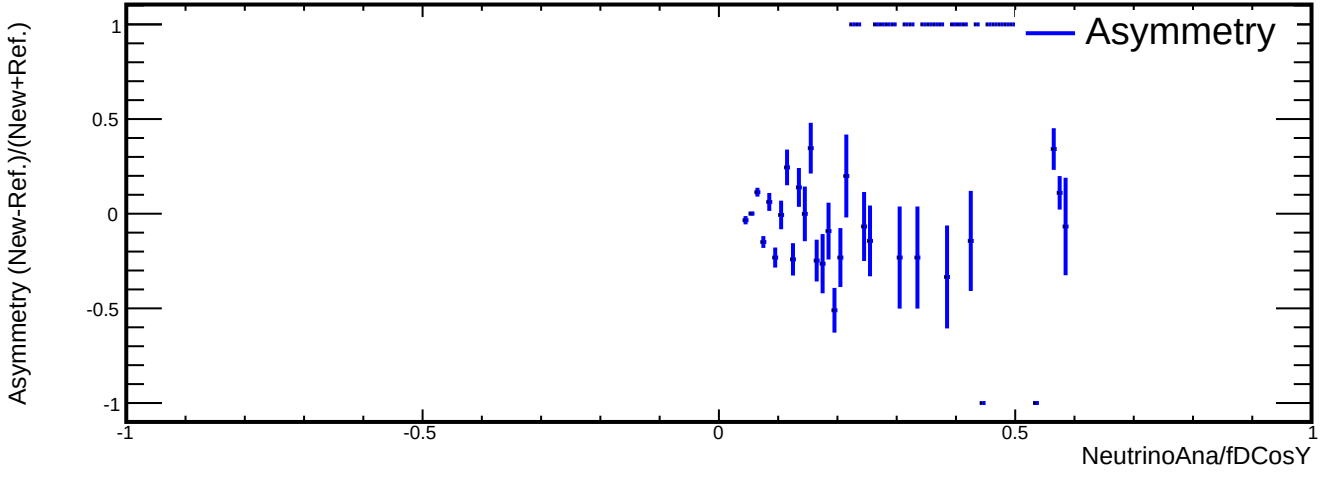

KS 0.0399083, chi2 6.3157e-42
2012-06-17
2012-06-18
150
100
50
0
-400
-200
0
200
400
NeutrinoAna/fVertexY

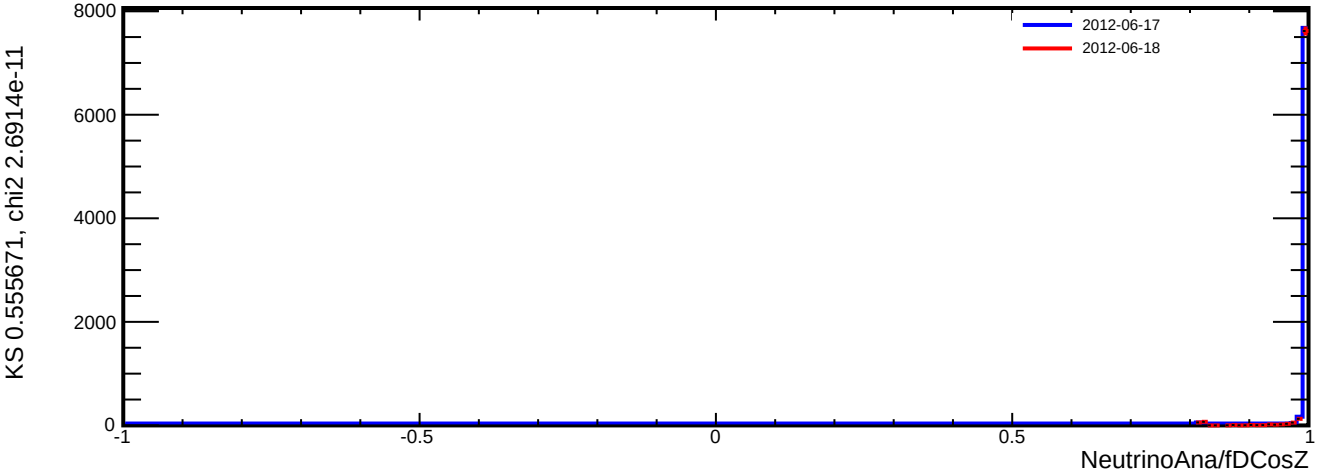

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.6
0.4
0.2
0
-0.2
-0.4
-400
-200
0
200
400
NeutrinoAna/fVertexY

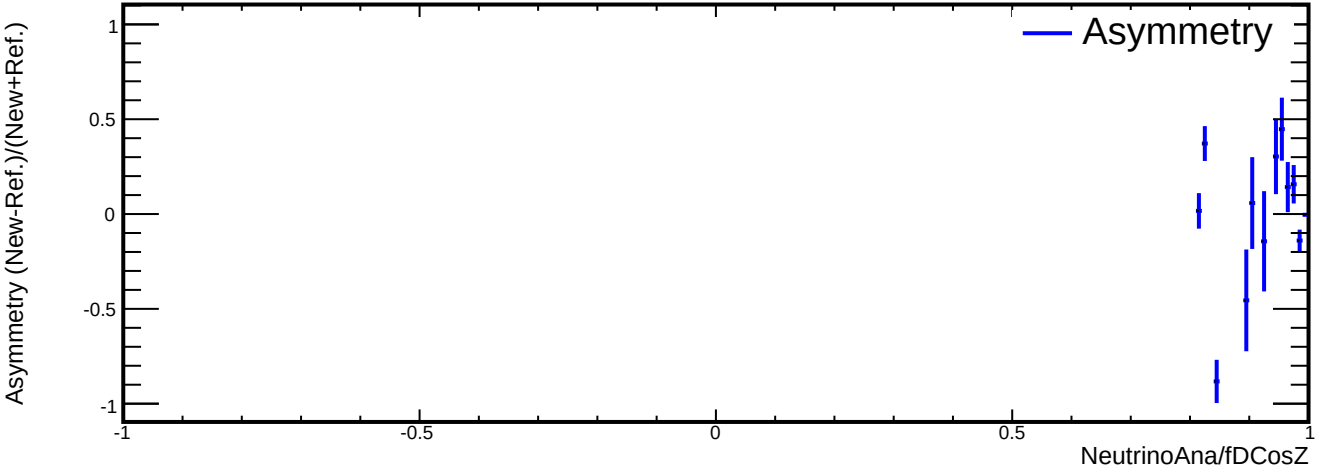

KS 0.000117944, chi2 1.06023e-124
80
60
40
20
0
0
1000
2000
NeutrinoAna/fVertexZ
2012-06-17
2012-06-18

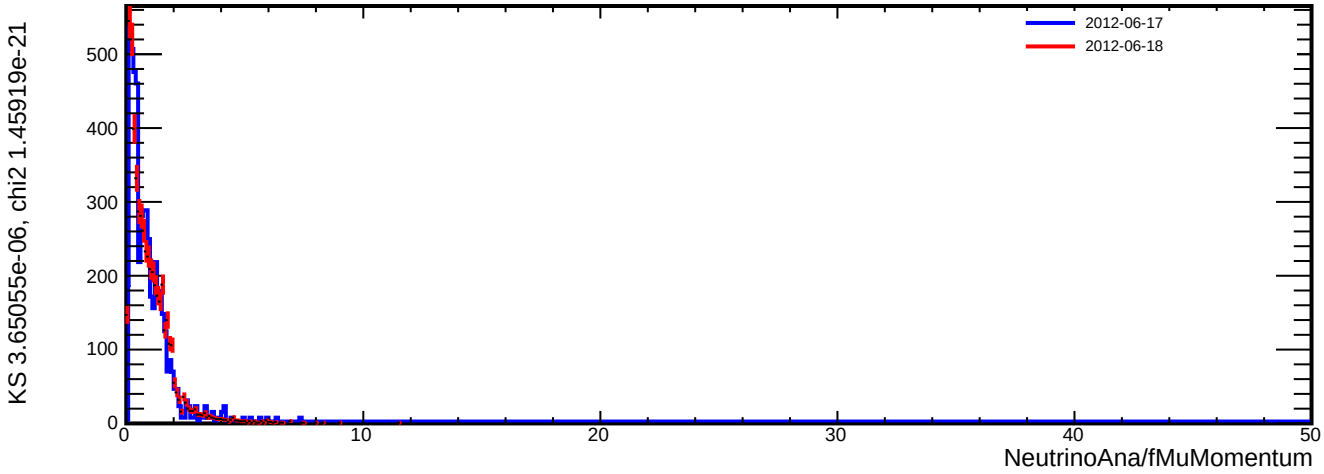

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
0
1000
2000
NeutrinoAna/fVertexZ
Asymmetry

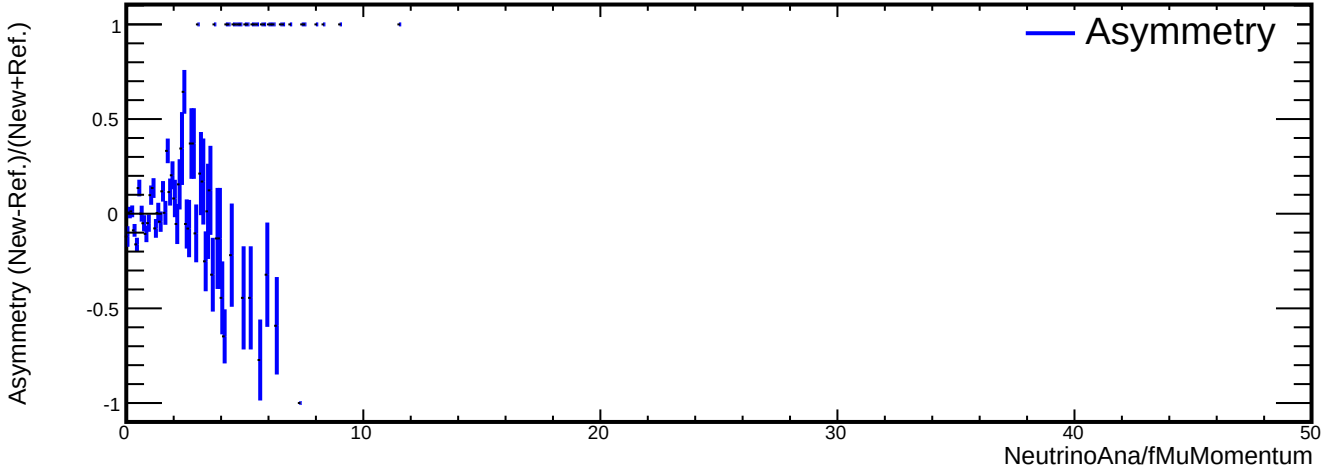

KS 0.176377, chi2 2.91862e-29
2012-06-17
2012-06-18
4000
3000
2000
1000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosY

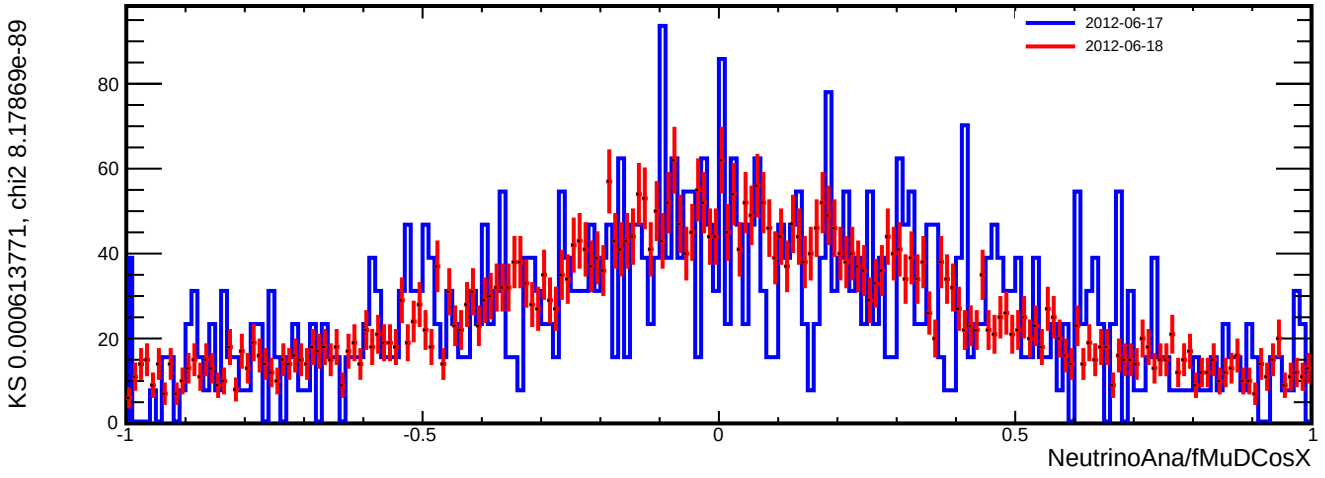

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosY

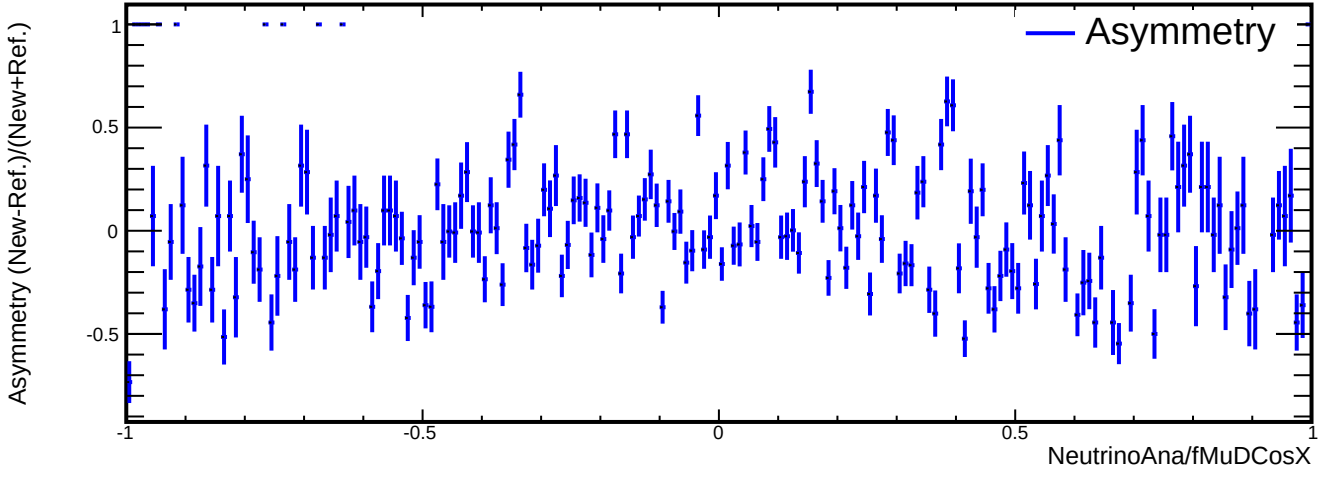

KS 0.555671, chi2 2.6914e-11
8000
6000
4000
2000
0
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosZ
2012-06-17
2012-06-18

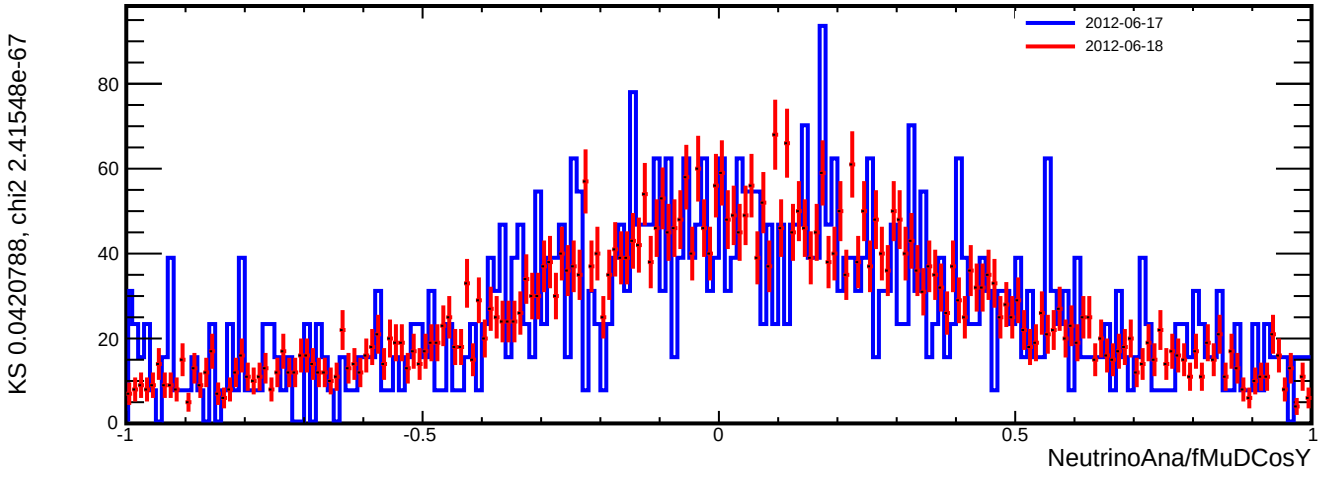

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fDCosZ
Asymmetry

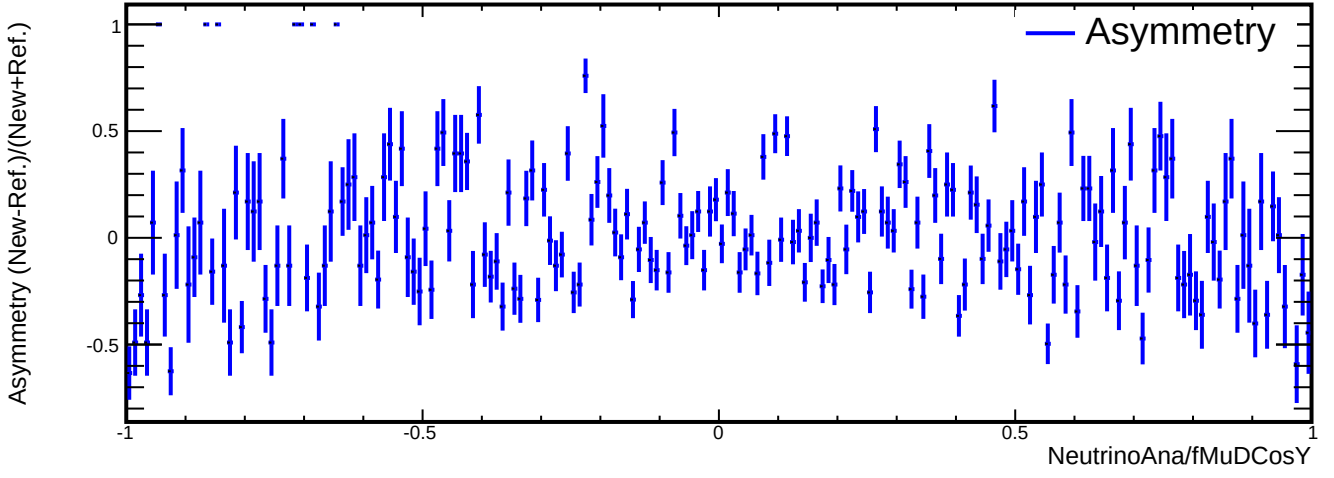

KS 3.65055e-06, chi2 1.45919e-21
2012-06-17
2012-06-18
500
400
300
200
100
0
0
10
20
30
40
50
NeutrinoAna/fMuMomentum

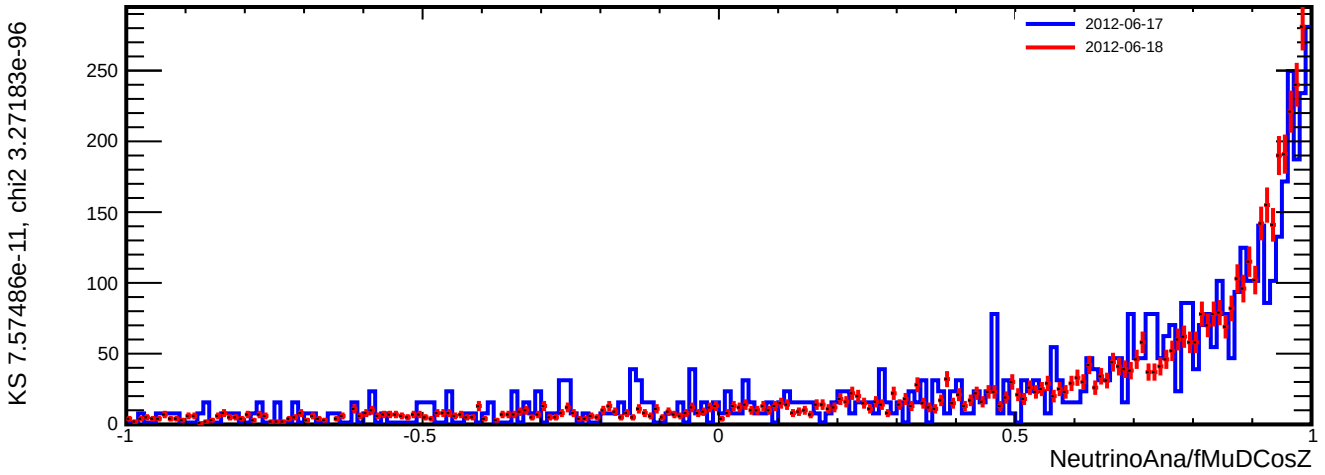

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
NeutrinoAna/fMuMomentum

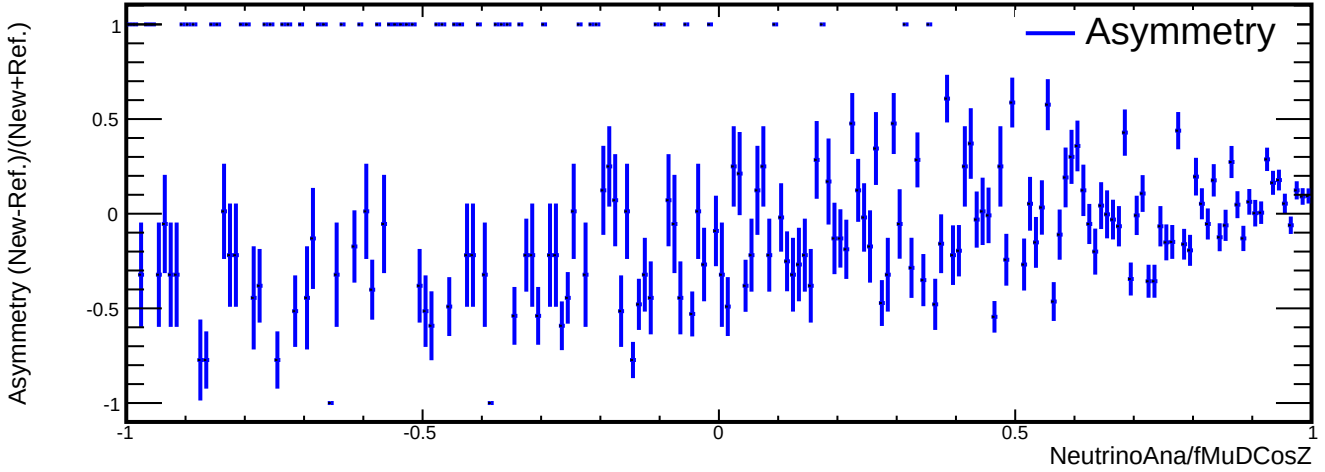

KS 0.000613771, chi2 8.17869e-89
2012-06-17
2012-06-18
0
20
40
60
80
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosX

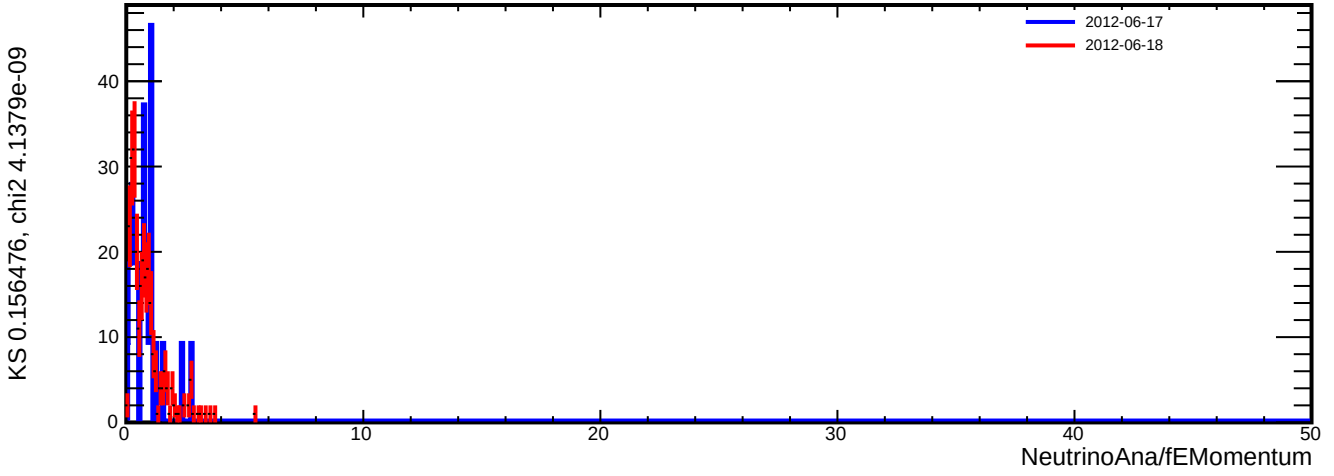

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosX

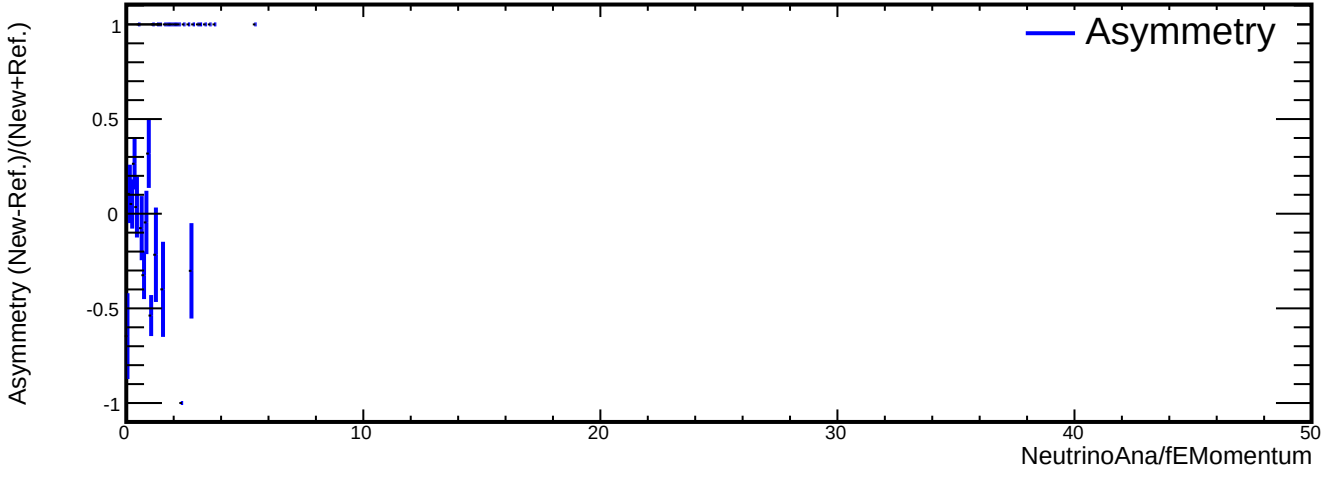

KS 0.0420788, chi2 2.41548e-67
2012-06-17
2012-06-18
0
20
40
60
80
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosY

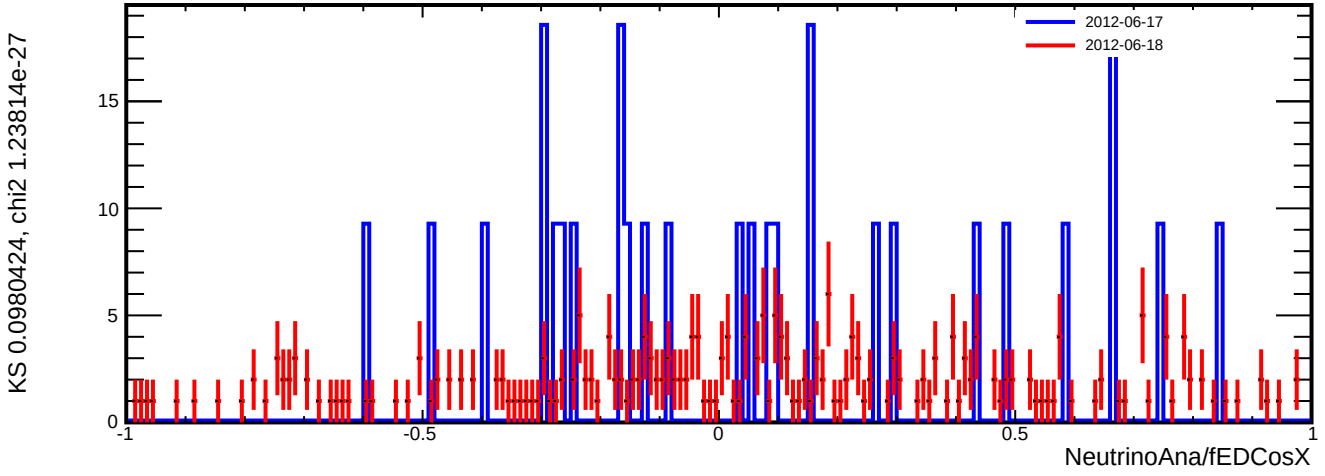

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosY

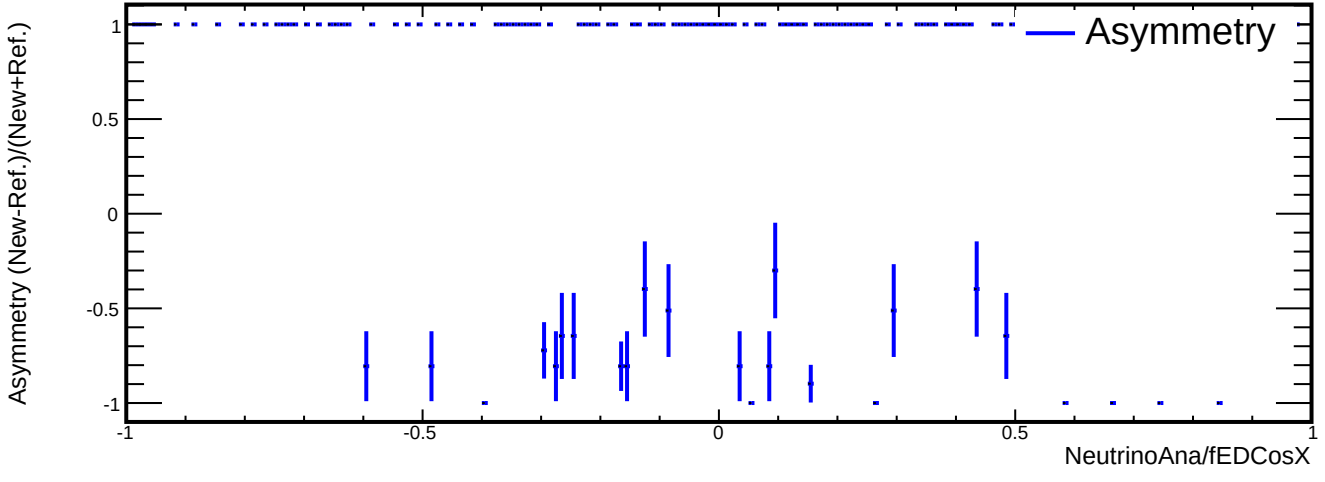

KS 7.57486e-11, chi2 3.27183e-96
2012-06-17
2012-06-18
250
200
150
100
50
0
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosZ

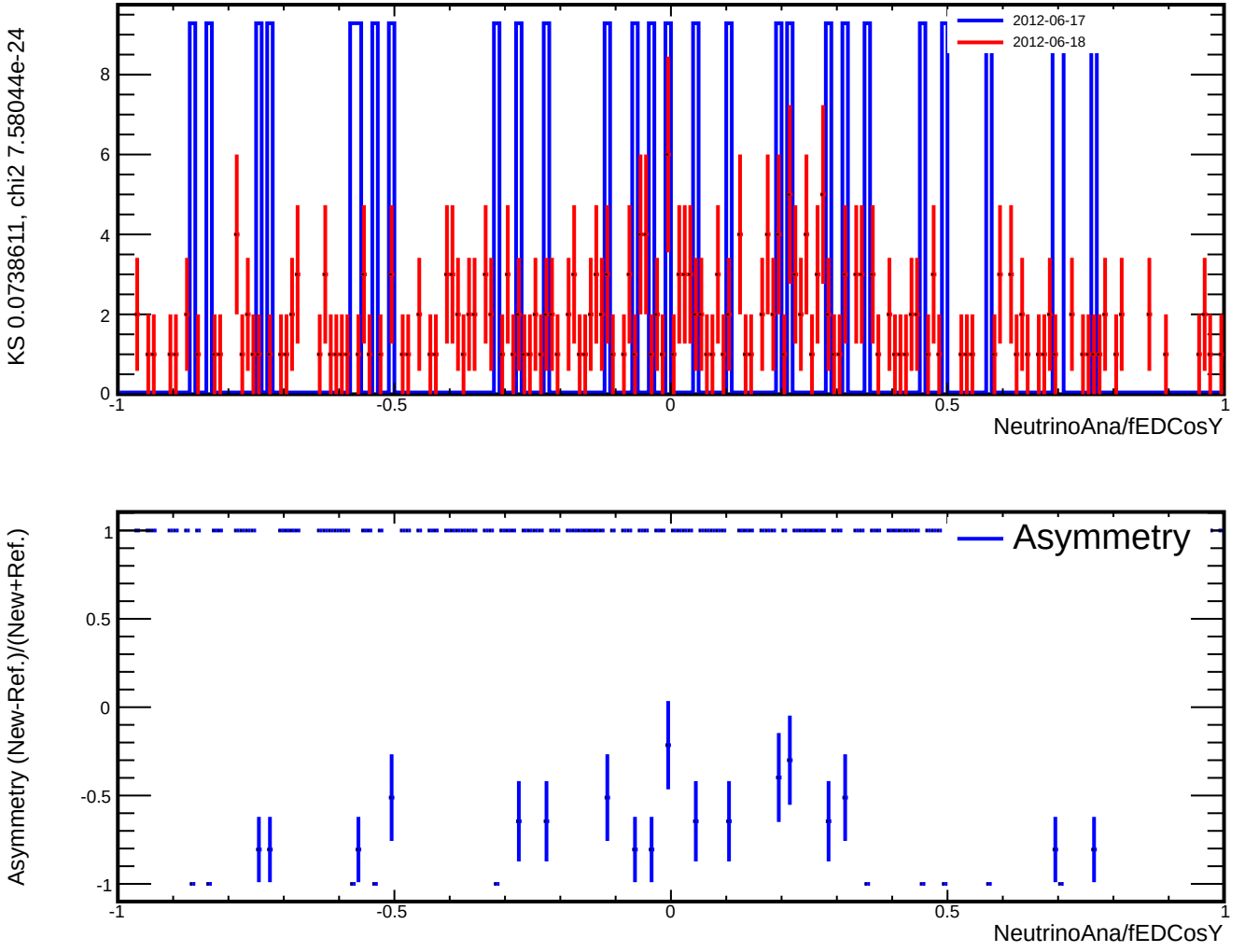

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fMuDCosZ

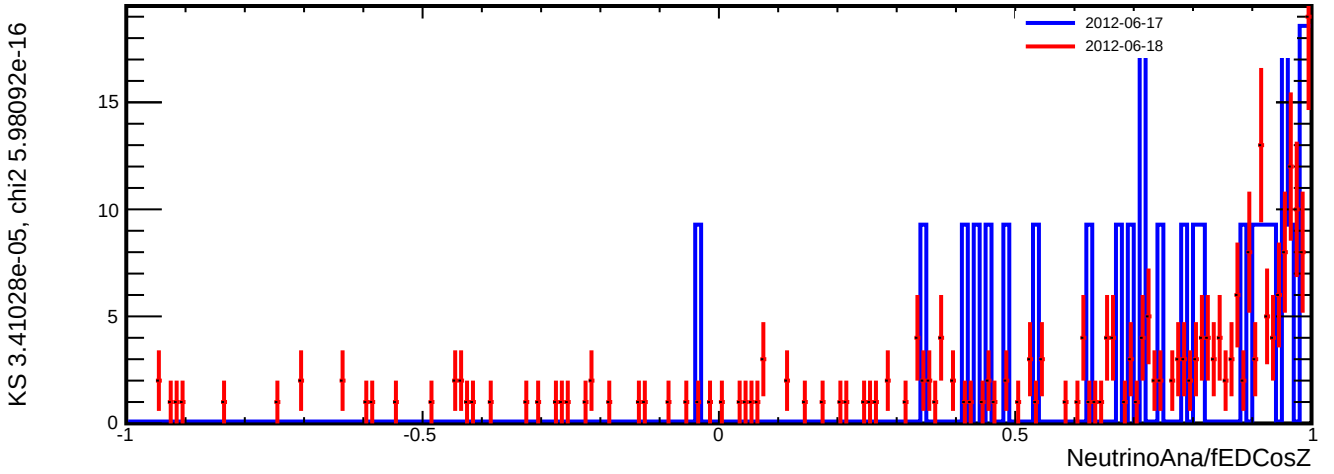

KS 0.156476, chi2 4.1379e-09
2012-06-17
2012-06-18
0
10
20
30
40
0
10
20
30
40
50
NeutrinoAna/fEMomentum

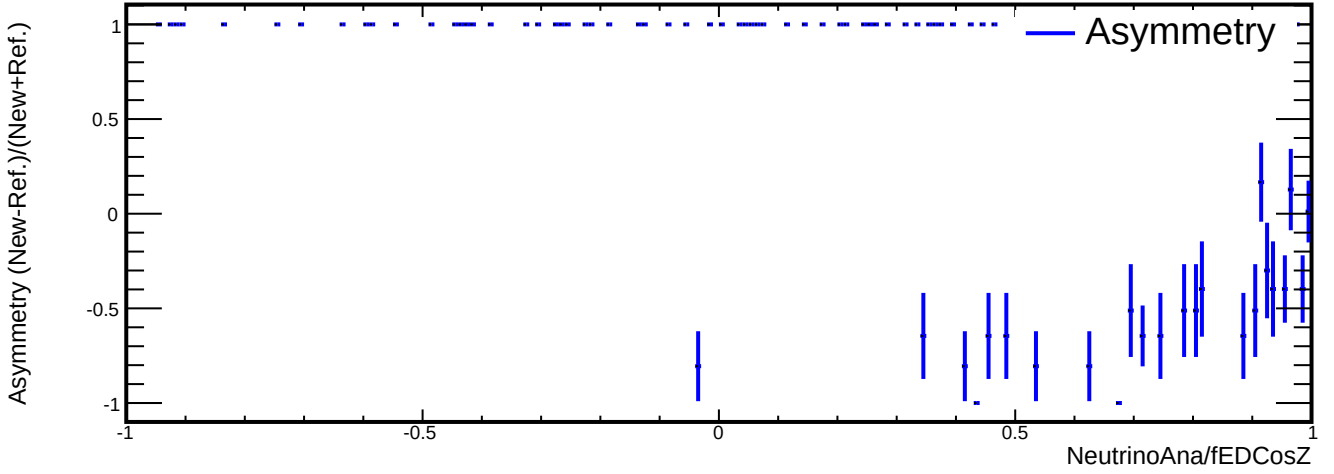

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
10
20
30
40
50
NeutrinoAna/fEMomentum

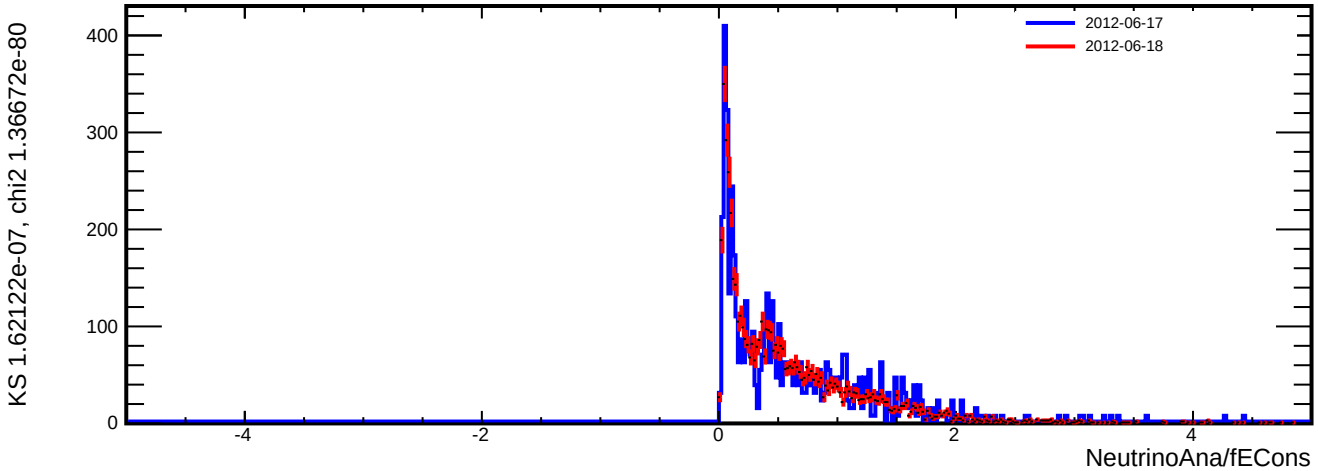

KS 0.0980424, chi2 1.23814e-27
2012-06-17
2012-06-18
NeutrinoAna/fEDCosX

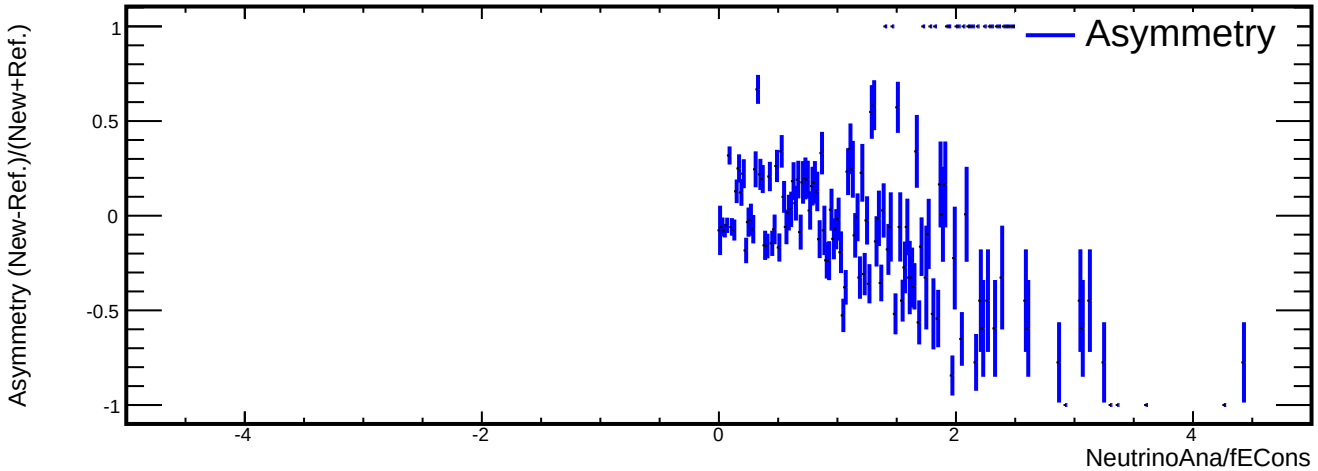

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fEDCosX

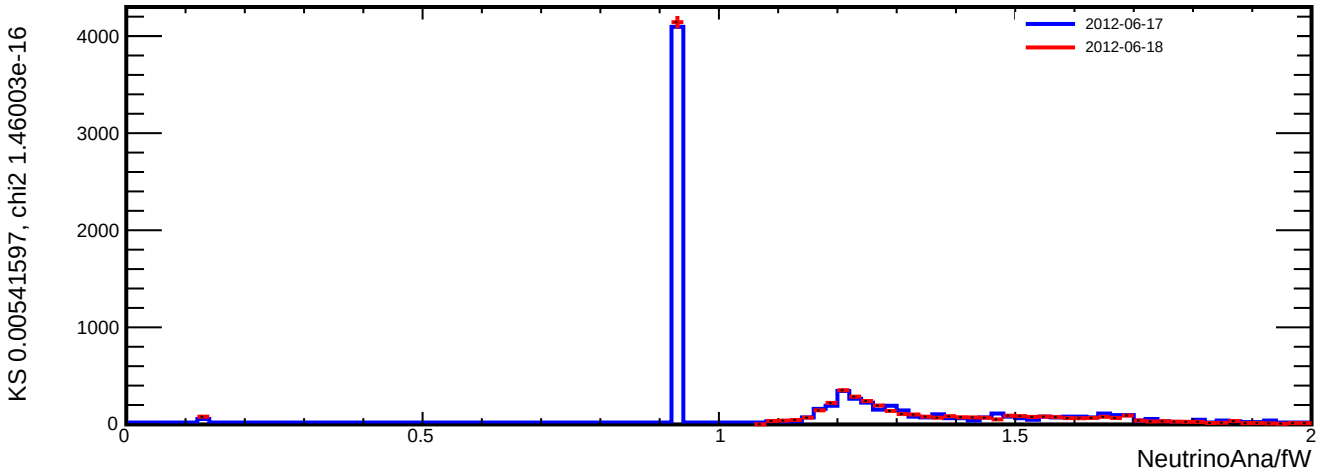

KS 0.0738611, chi2 7.58044e-24
2012-06-17
2012-06-18
NeutrinoAna/fEDCosY
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fEDCosY

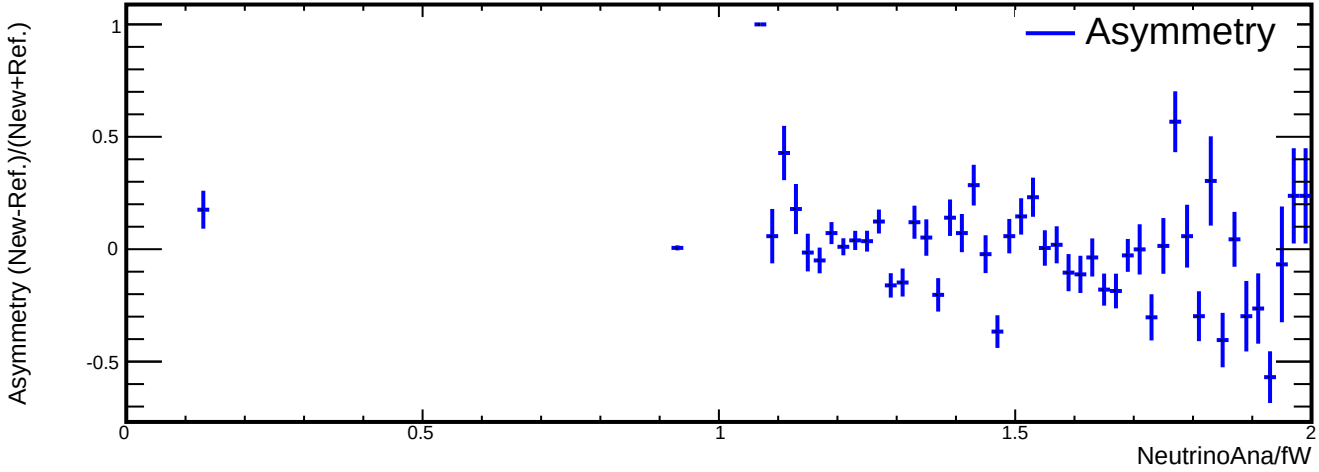

KS 3.41028e-05, chi2 5.98092e-16
2012-06-17
2012-06-18
NeutrinoAna/fEDCosZ

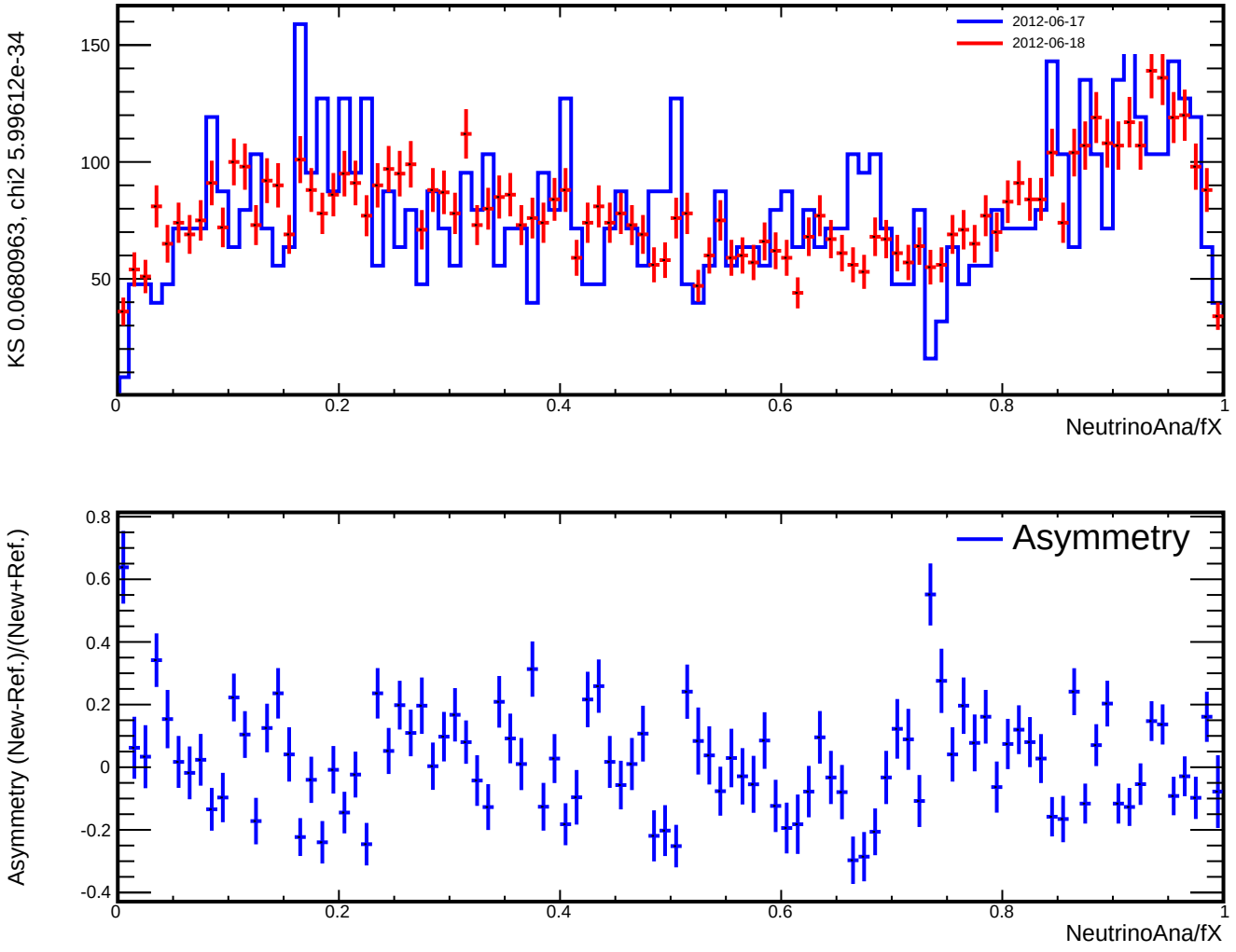

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fEDCosZ


KS 1.62122e-07, chi2 1.36672e-80
400
300
200
100
0
-4
-2
0
2
4
NeutrinoAna/fECons
2012-06-17
2012-06-18


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


KS 0.00541597, chi2 1.46003e-16
2012-06-17
2012-06-18
4000
3000
2000
1000
0
0
0.5
1
1.5
2
NeutrinoAna/fW


Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
0.5
1
1.5
2
NeutrinoAna/fW


KS 0.0680963, chi2 5.99612e-34
2012-06-17
2012-06-18
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
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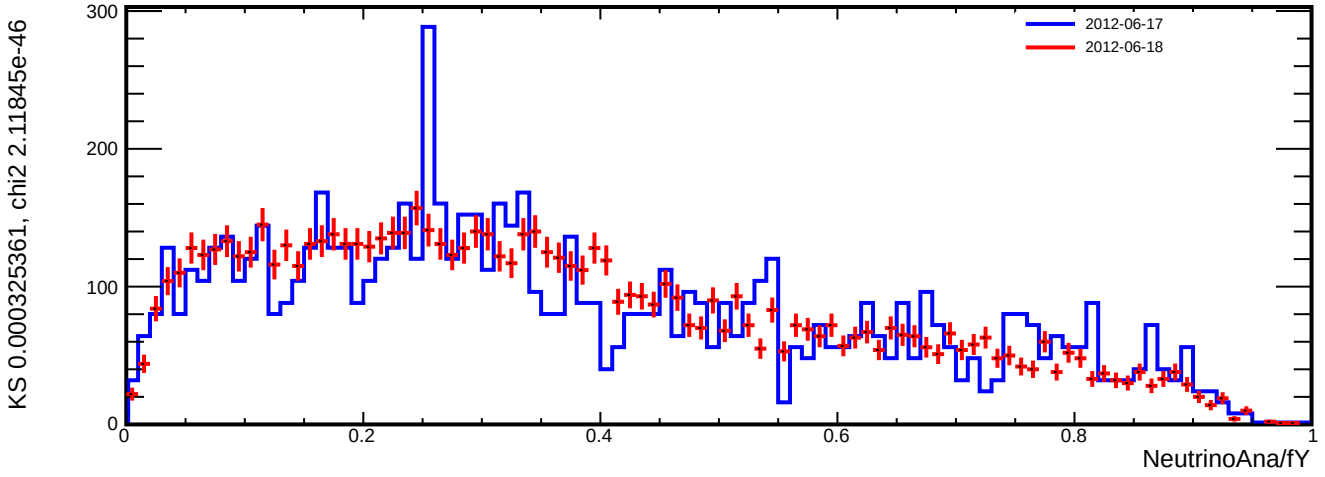
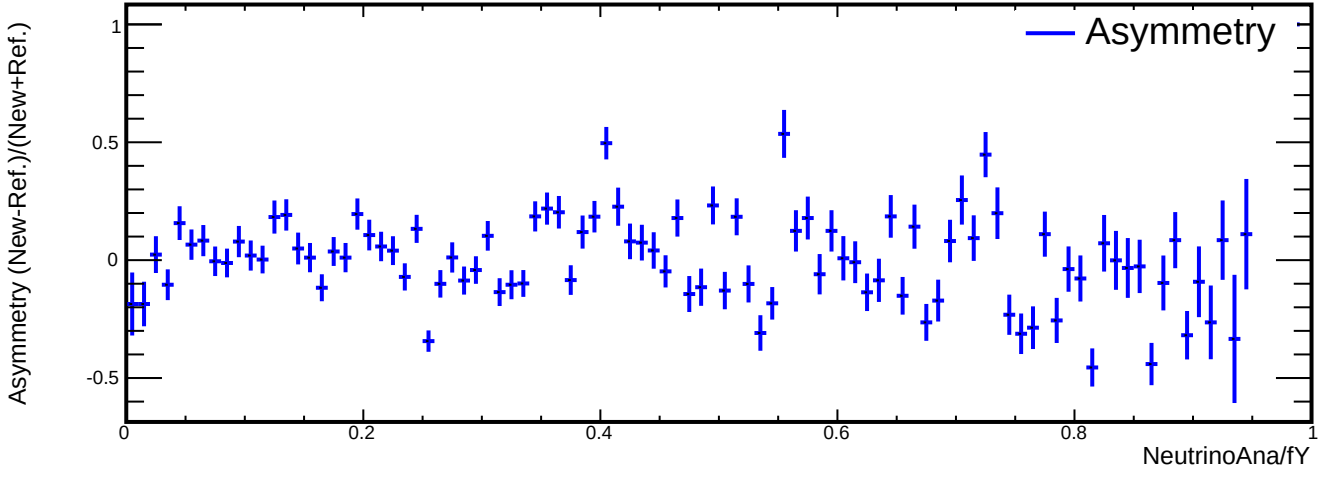
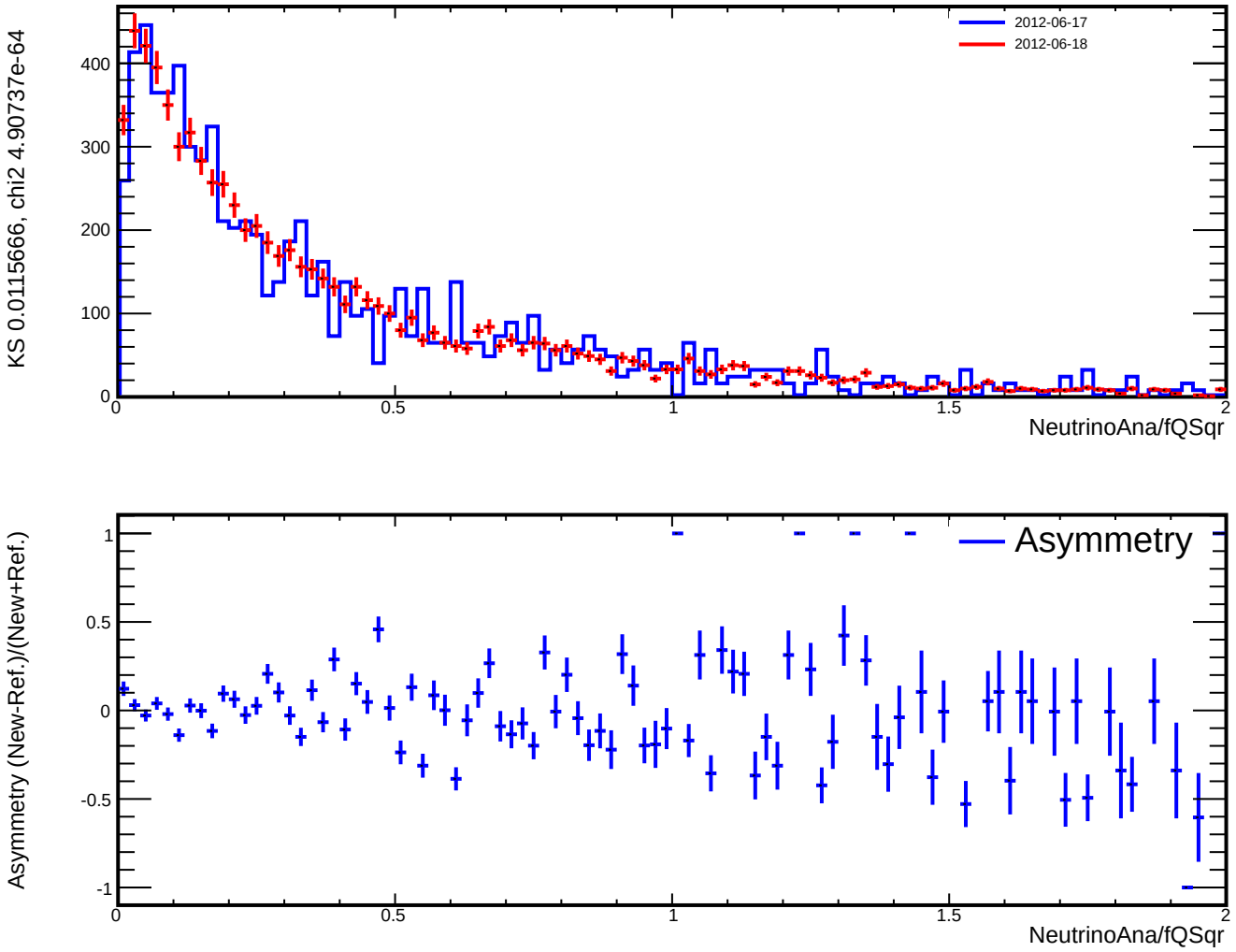
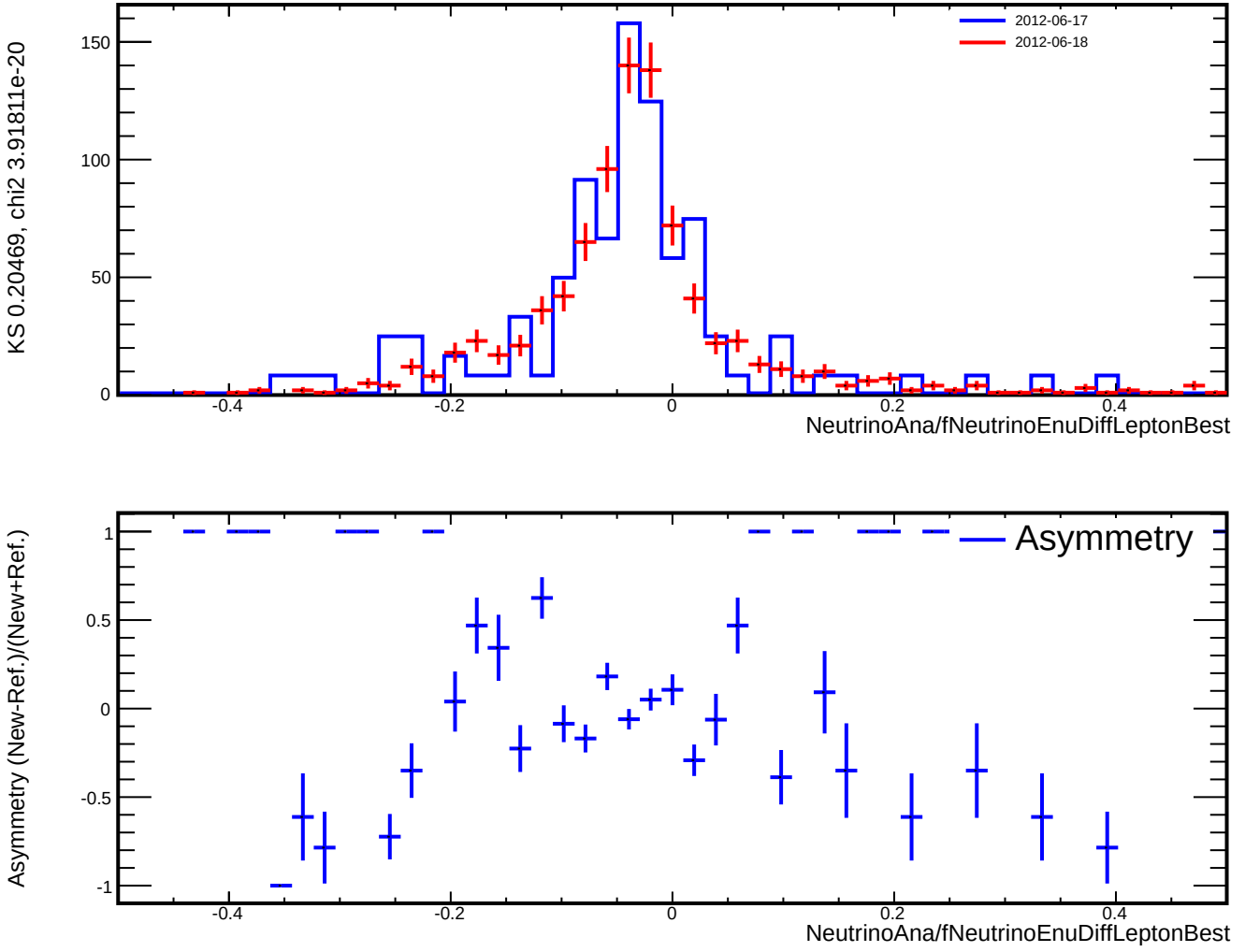
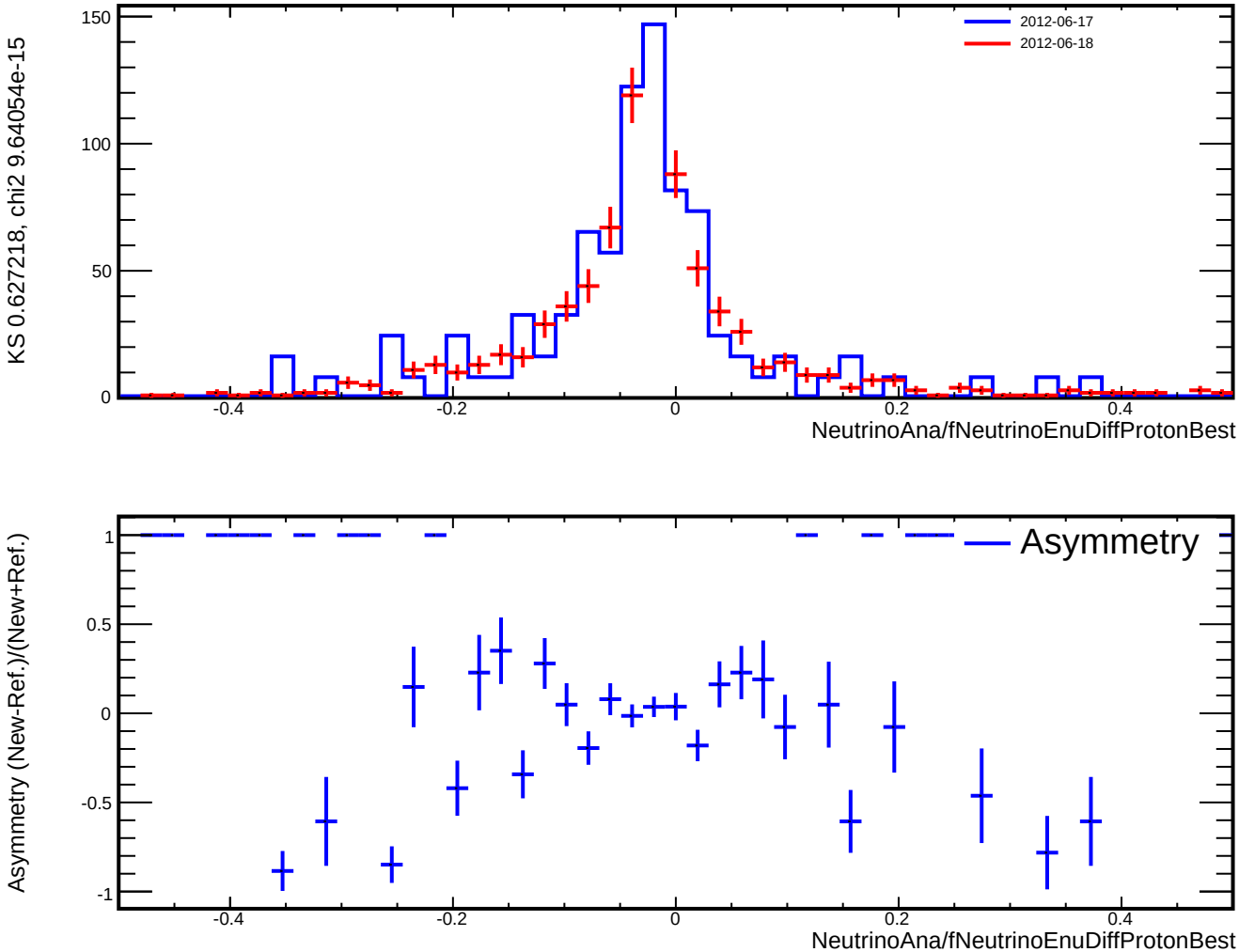
0.6
0.8
1
NeutrinoAna/fX

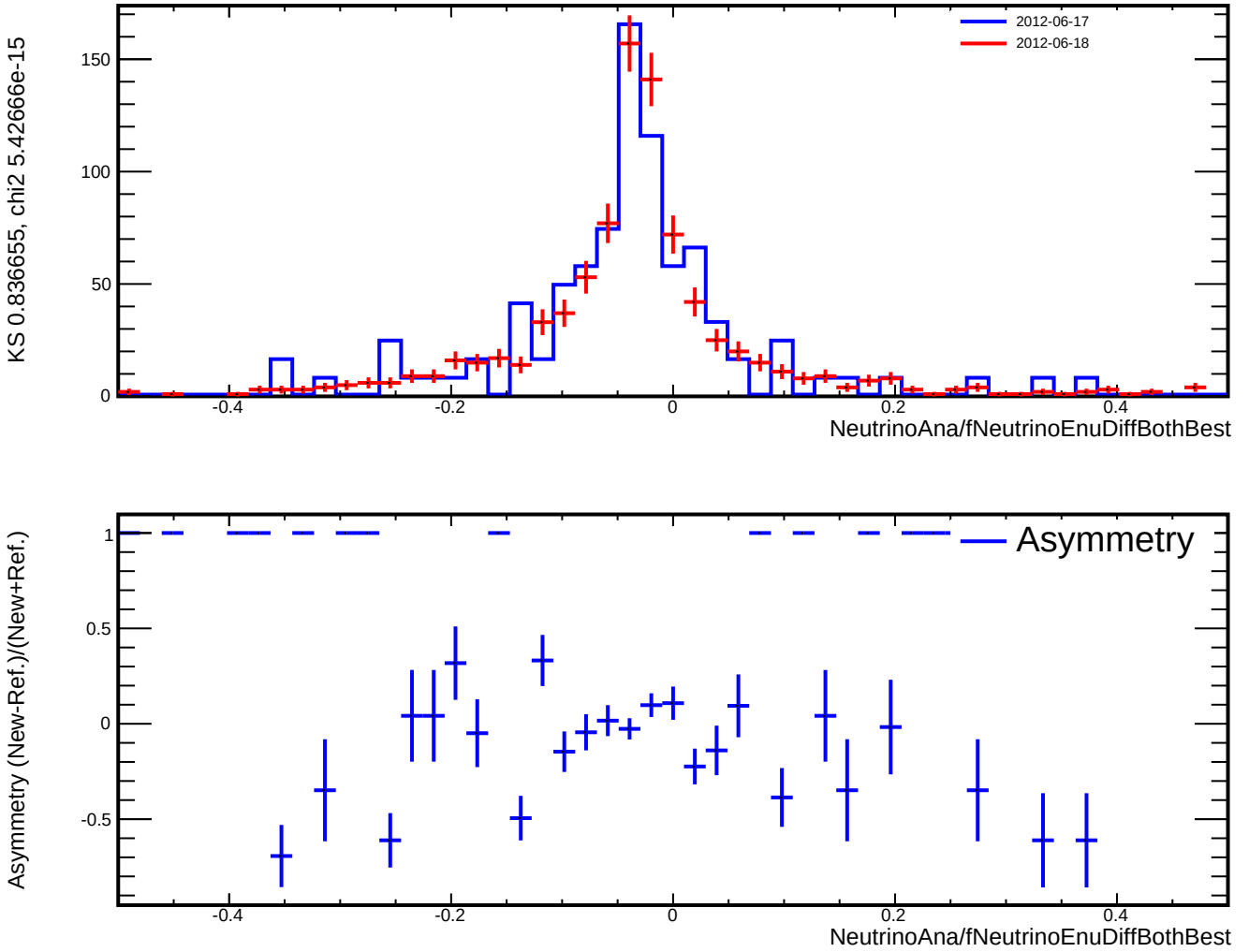

KS 0.000325361, chi2 2.11845e-46
2012-06-17
2012-06-18
NeutrinoAna/fY

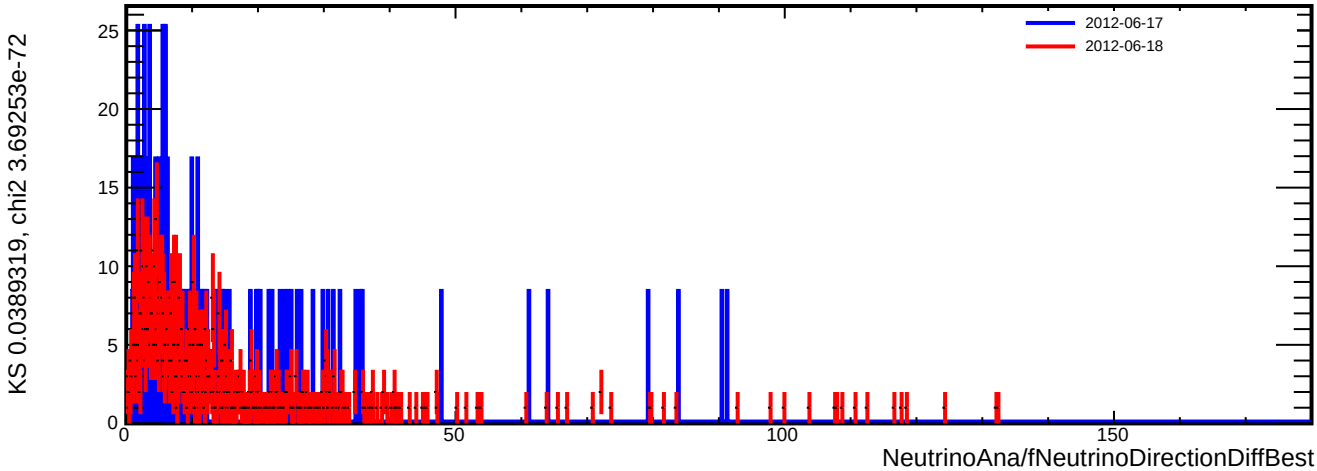

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fY

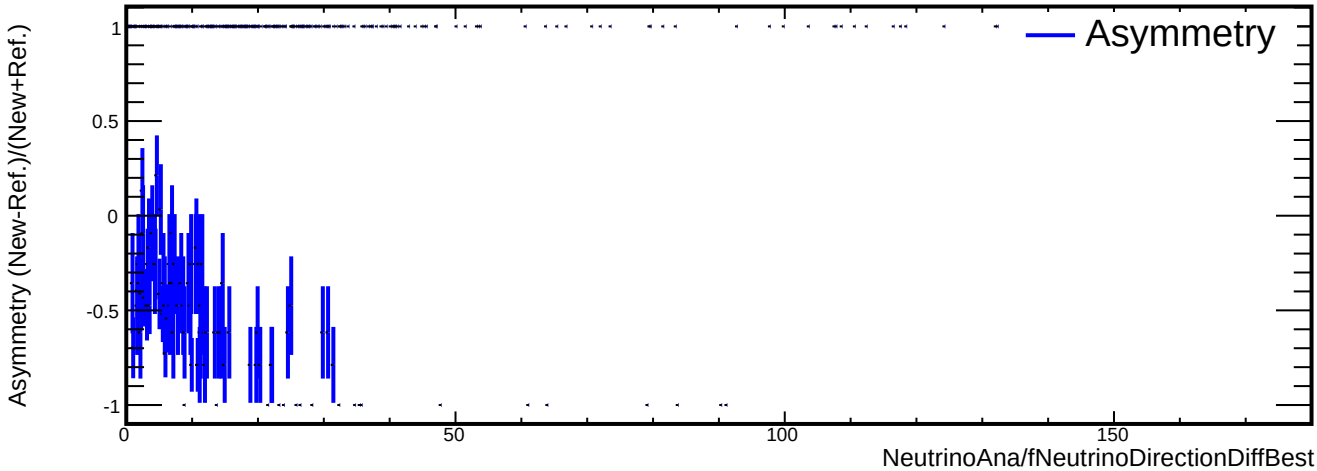

KS 0.0115666, chi2 4.90737e-64
2012-06-17
2012-06-18
NeutrinoAna/fQSqr
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fQSqr

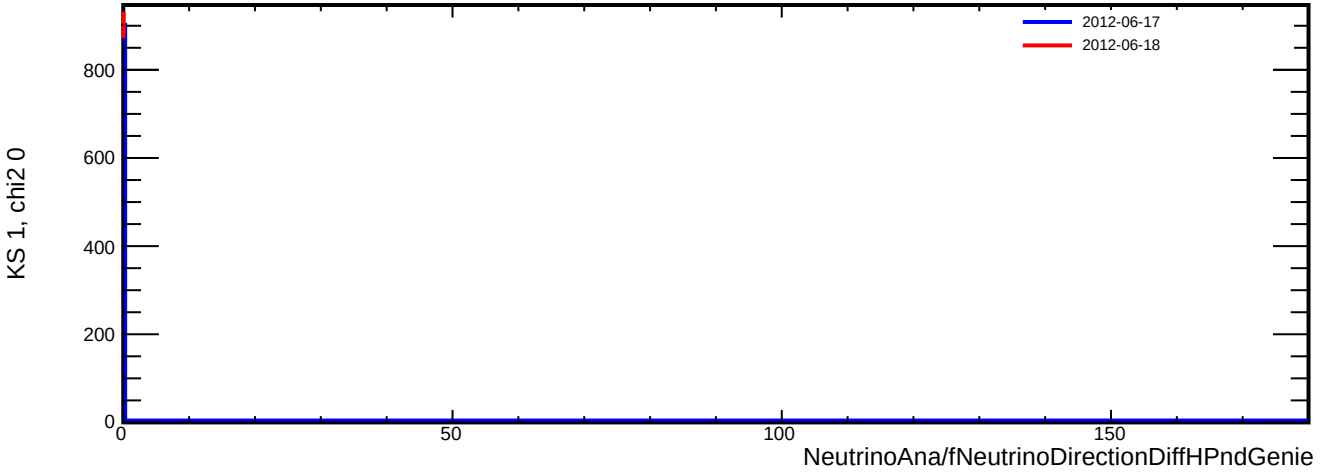

KS 0.20469, chi2 3.91811e-20
2012-06-17
2012-06-18
150
100
50
0
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffLeptonBest
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffLeptonBest

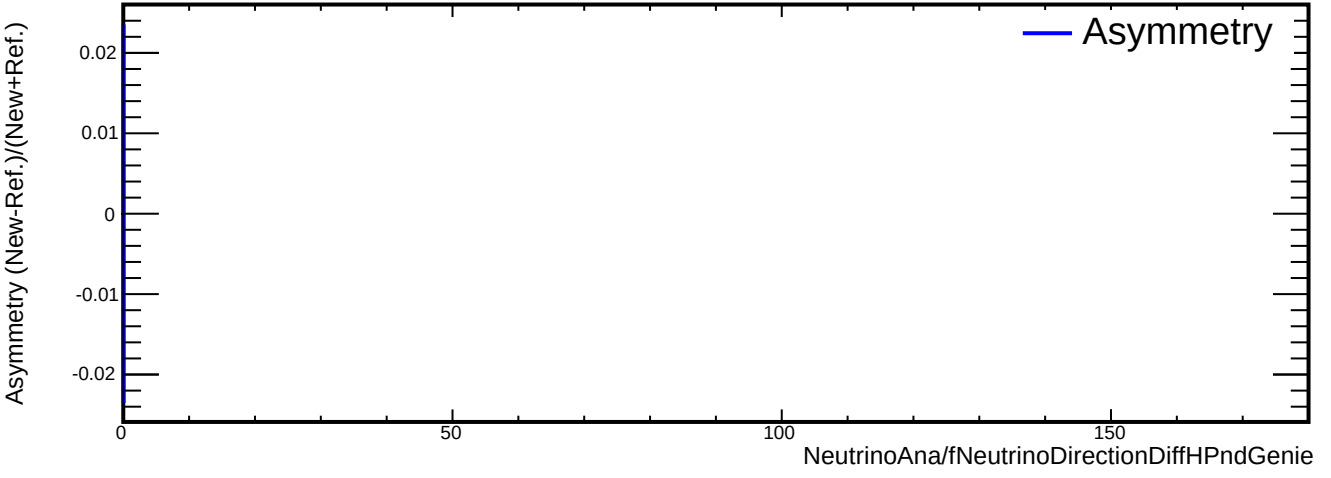

KS 0.627218, chi2 9.64054e-15
2012-06-17
2012-06-18
NeutrinoAna/fNeutrinoEnuDiffProtonBest
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fNeutrinoEnuDiffProtonBest

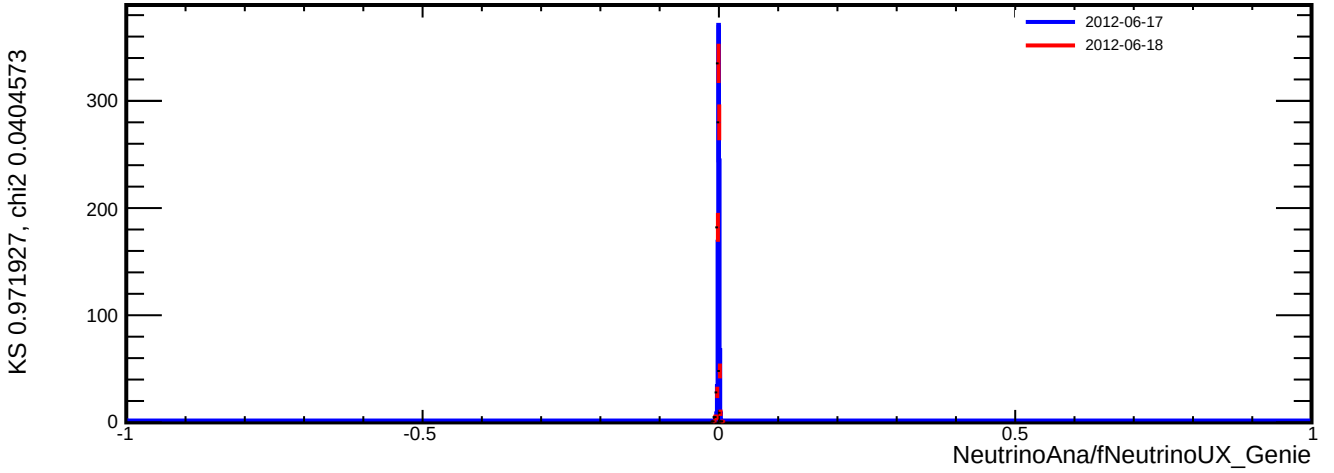

KS 0.836655, chi2 5.42666e-15
2012-06-17
2012-06-18
150
100
50
0
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffBothBest
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-0.4
-0.2
0
0.2
0.4
NeutrinoAna/fNeutrinoEnuDiffBothBest

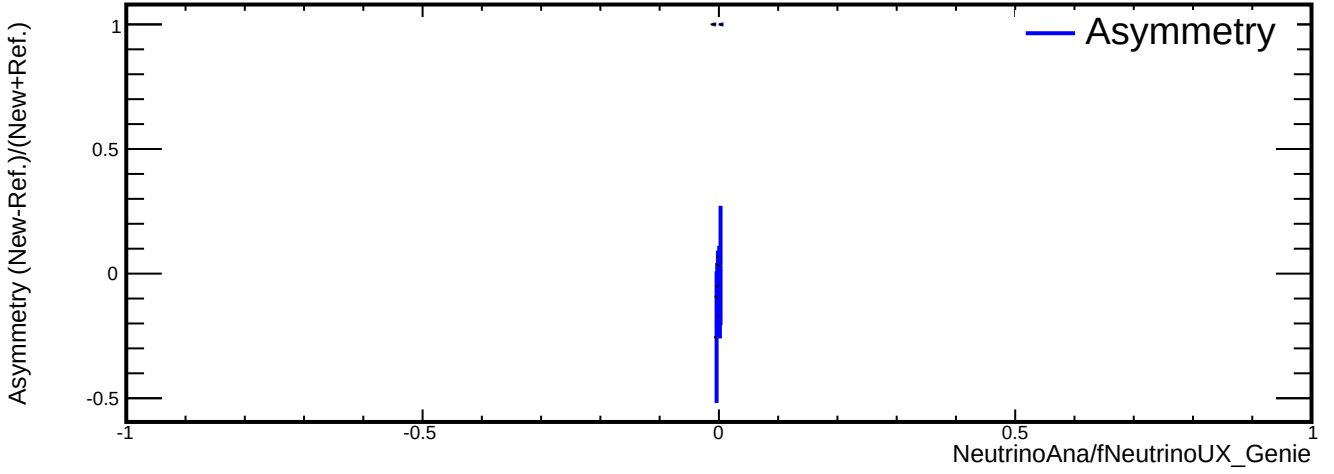

KS 0.0389319, chi2 3.69253e-72
2012-06-17
2012-06-18
0
5
10
15
20
25
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffBest

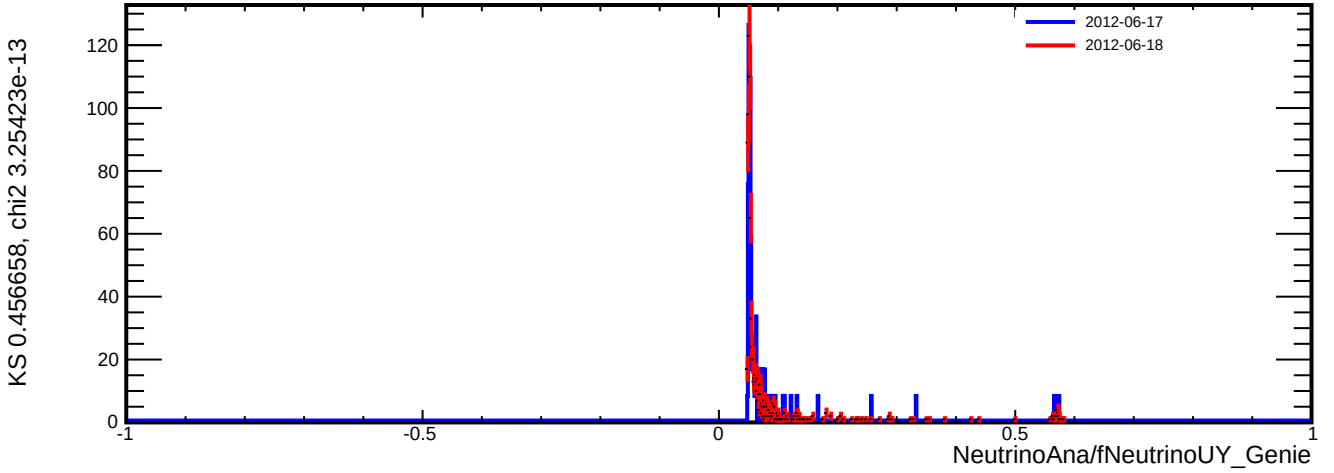

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffBest

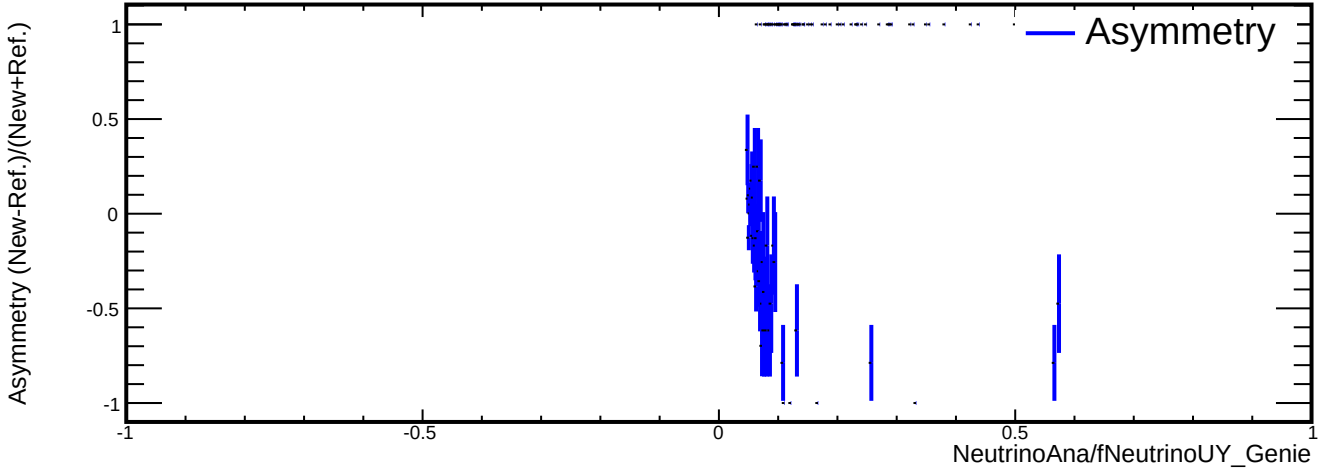

2012-06-17
2012-06-18
KS 1, chi2 0
800
600
400
200
0
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

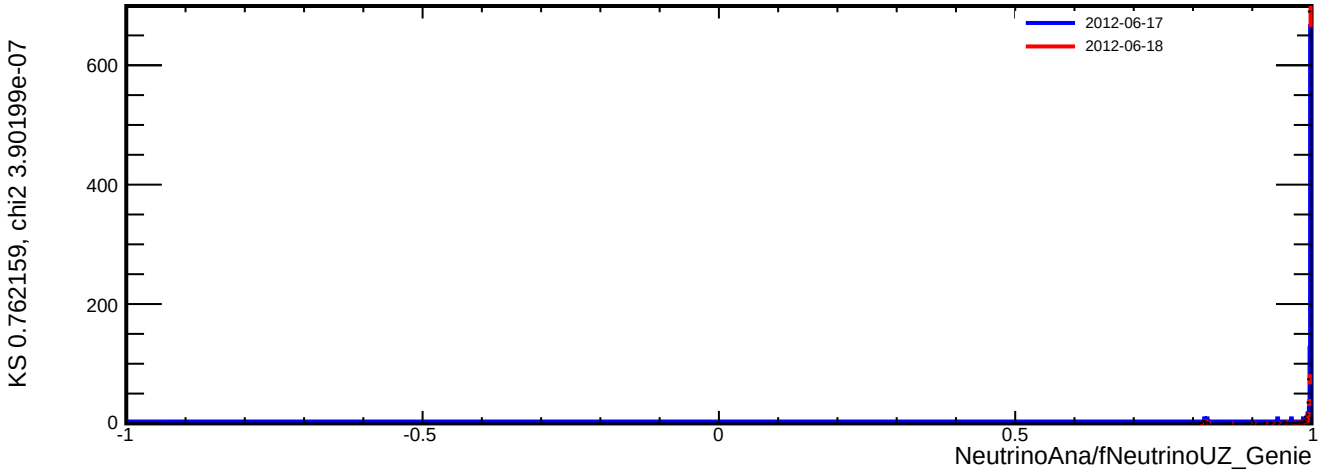

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0.01
0
-0.01
-0.02
0
50
100
150
NeutrinoAna/fNeutrinoDirectionDiffHPndGenie

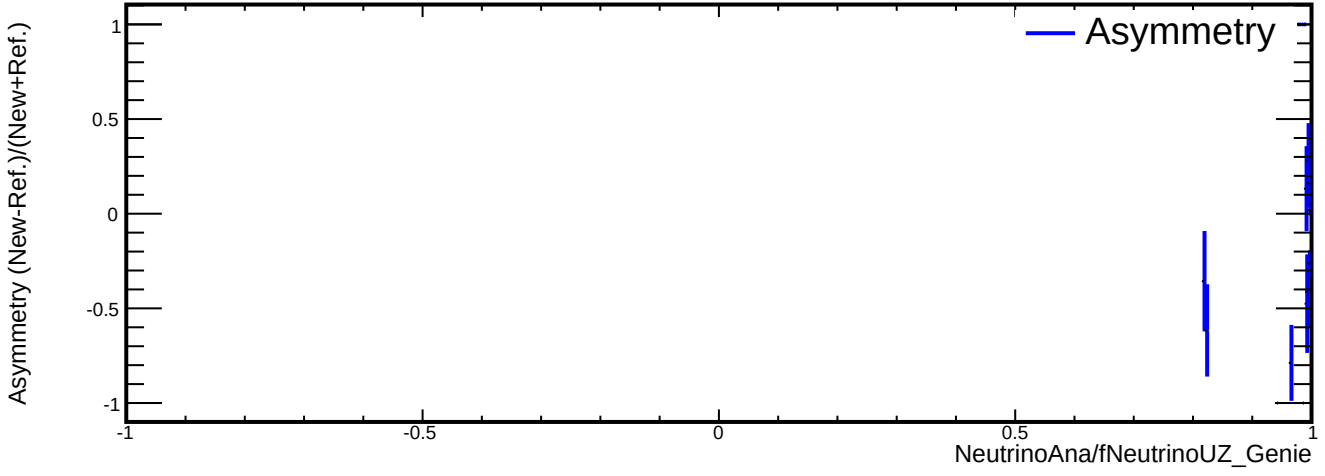

KS 0.971927, chi2 0.0404573
2012-06-17
2012-06-18
300
200
100
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_Genie

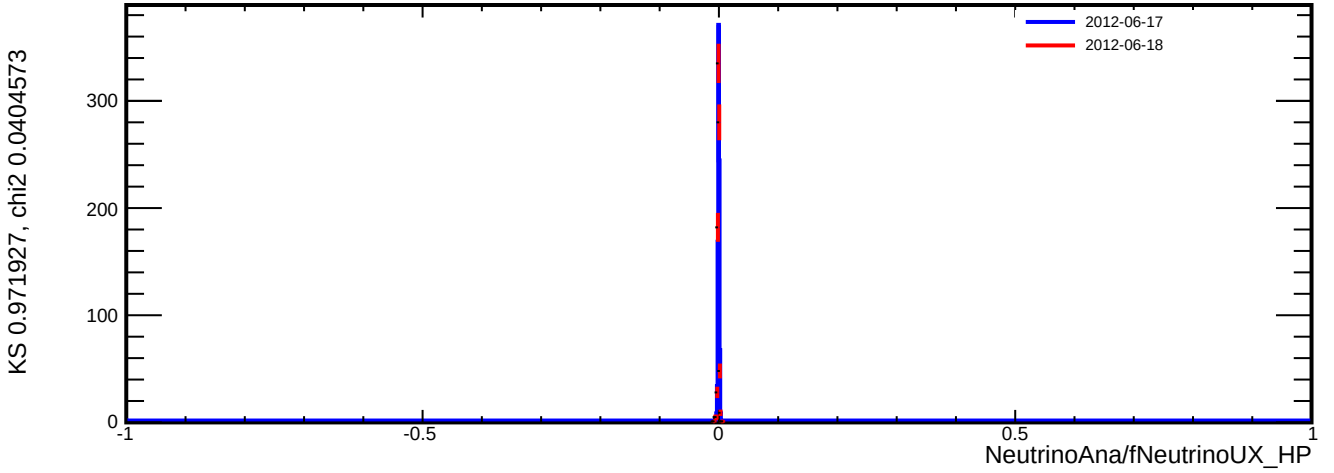

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_Genie

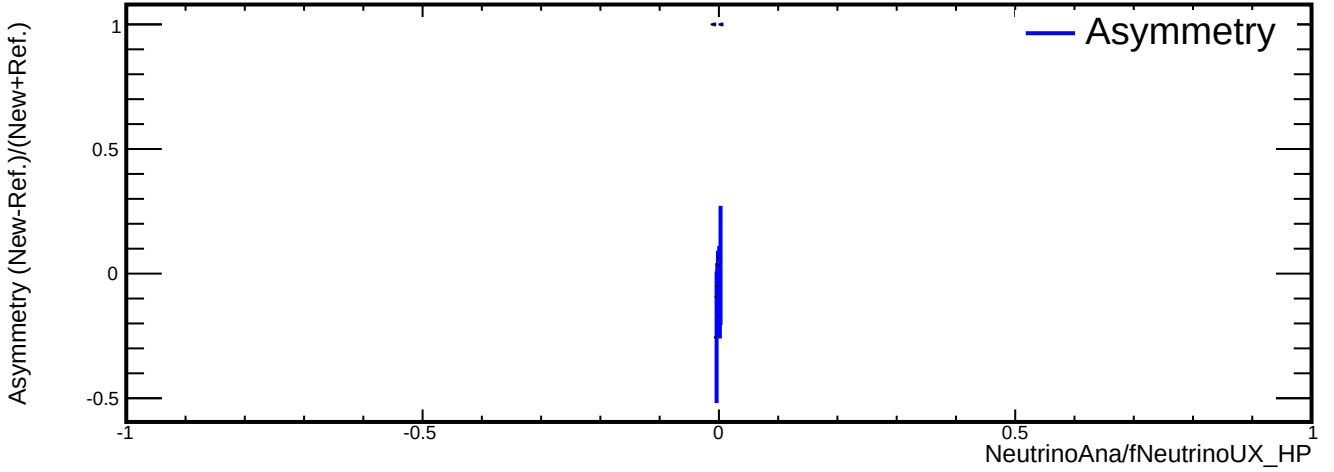

KS 0.456658, chi2 3.25423e-13
2012-06-17
2012-06-18
NeutrinoAna/fNeutrinoUY_Genie

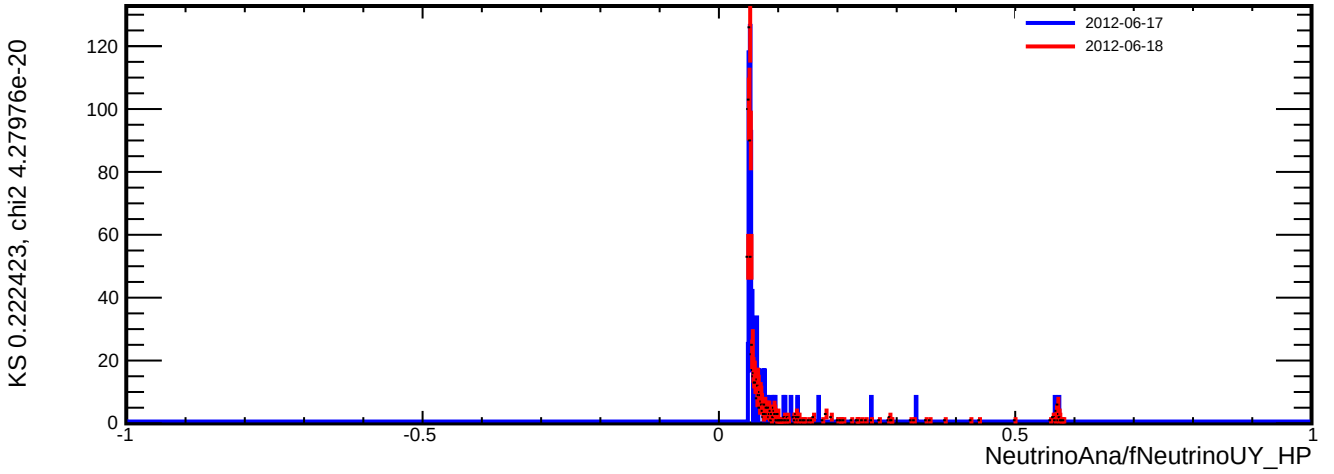

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fNeutrinoUY_Genie

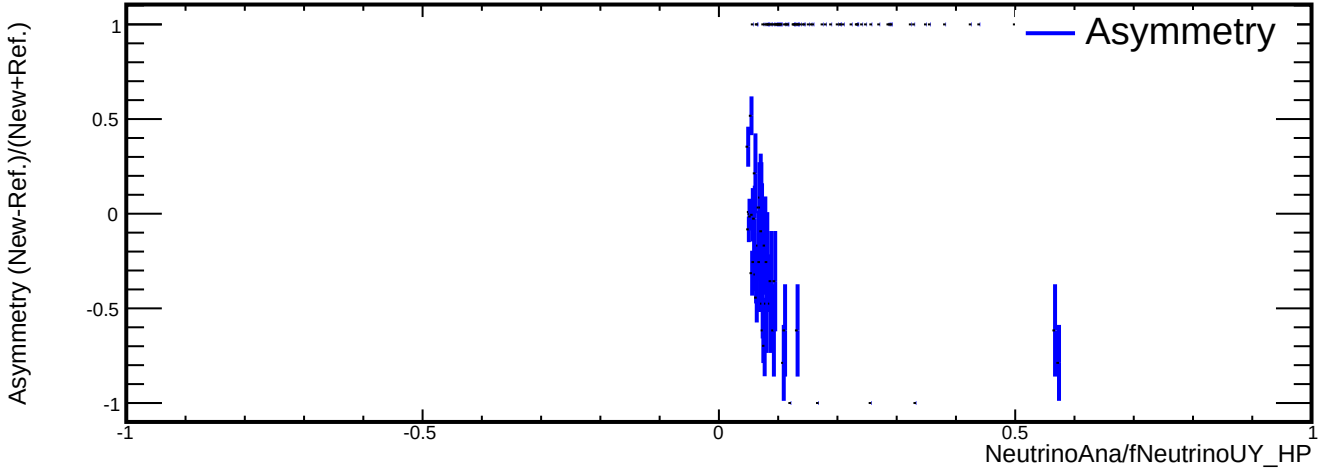

KS 0.762159, chi2 3.90199e-07
2012-06-17
2012-06-18
600
400
200
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_Genie

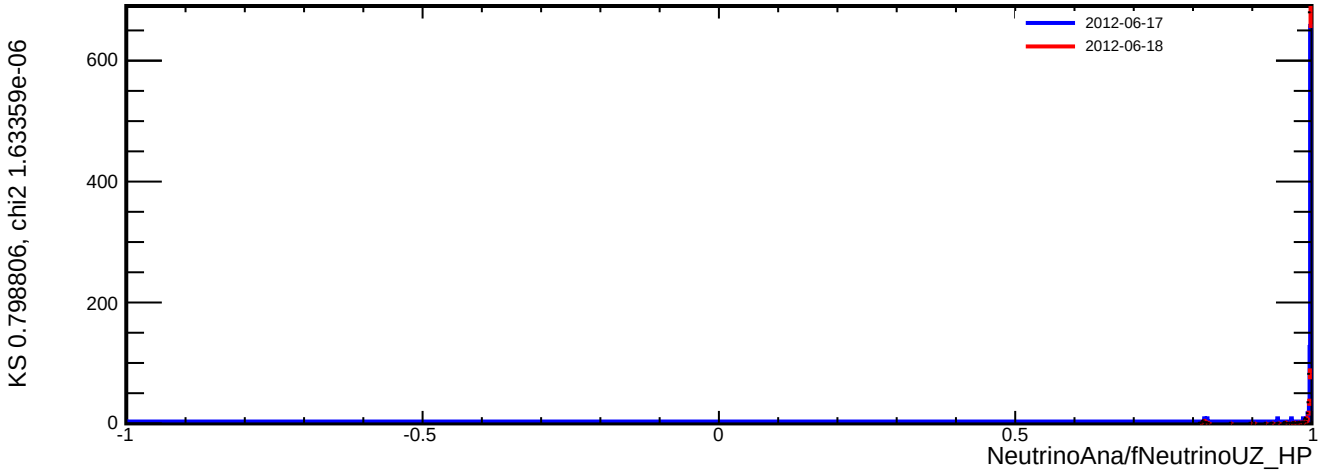

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_Genie

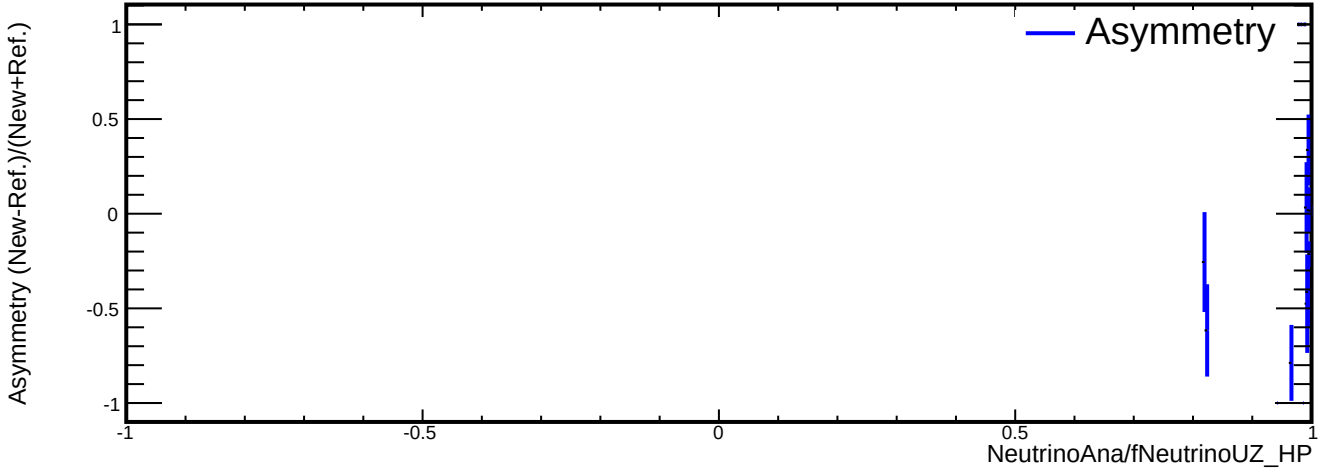

KS 0.971927, chi2 0.0404573
2012-06-17
2012-06-18
300
200
100
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_HP

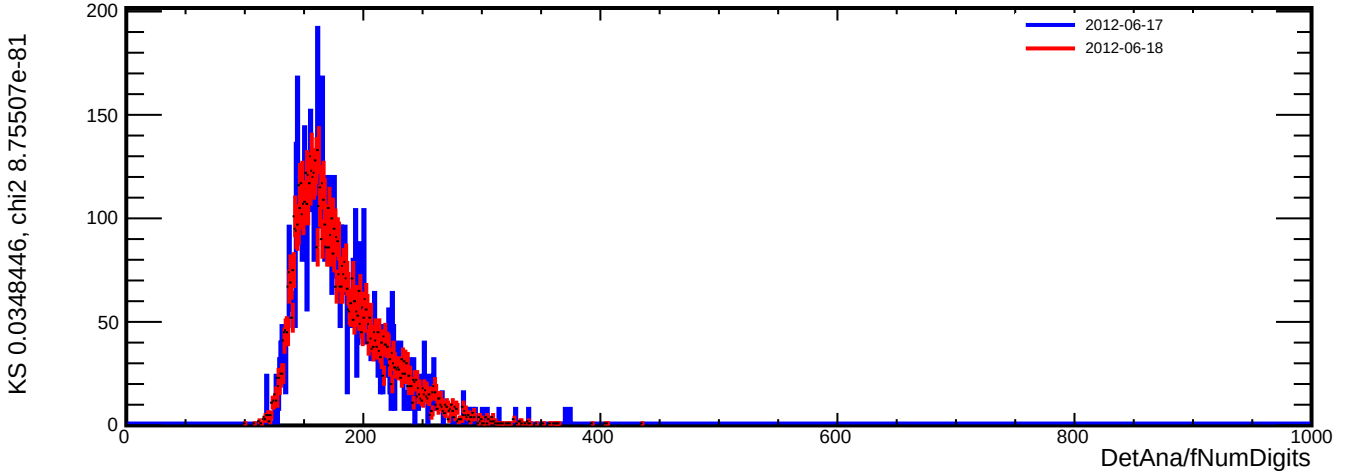

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUX_HP

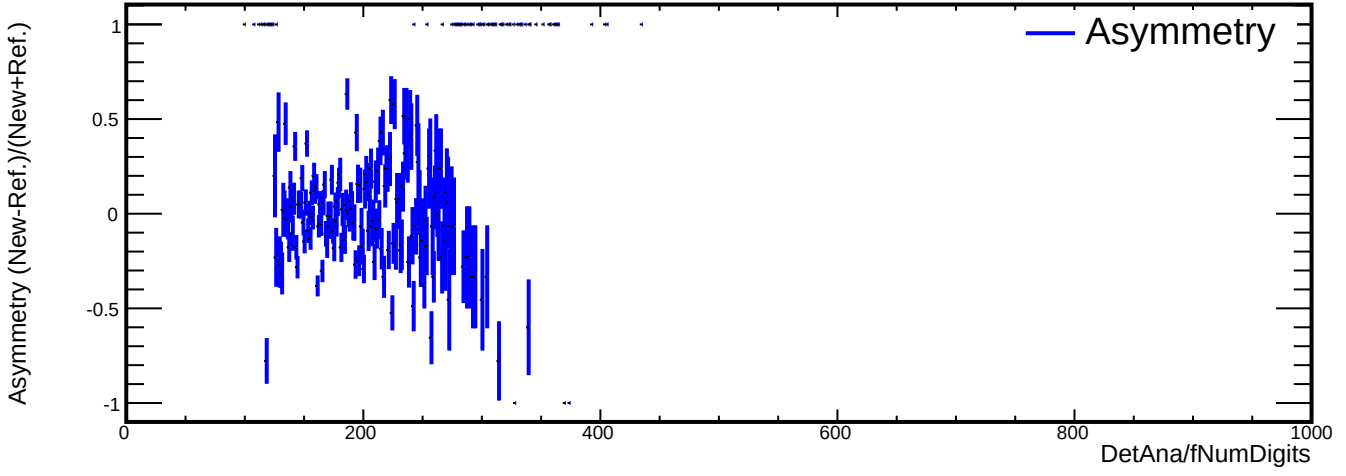

KS 0.222423, chi2 4.27976e-20
2012-06-17
2012-06-18
NeutrinoAna/fNeutrinoUY_HP

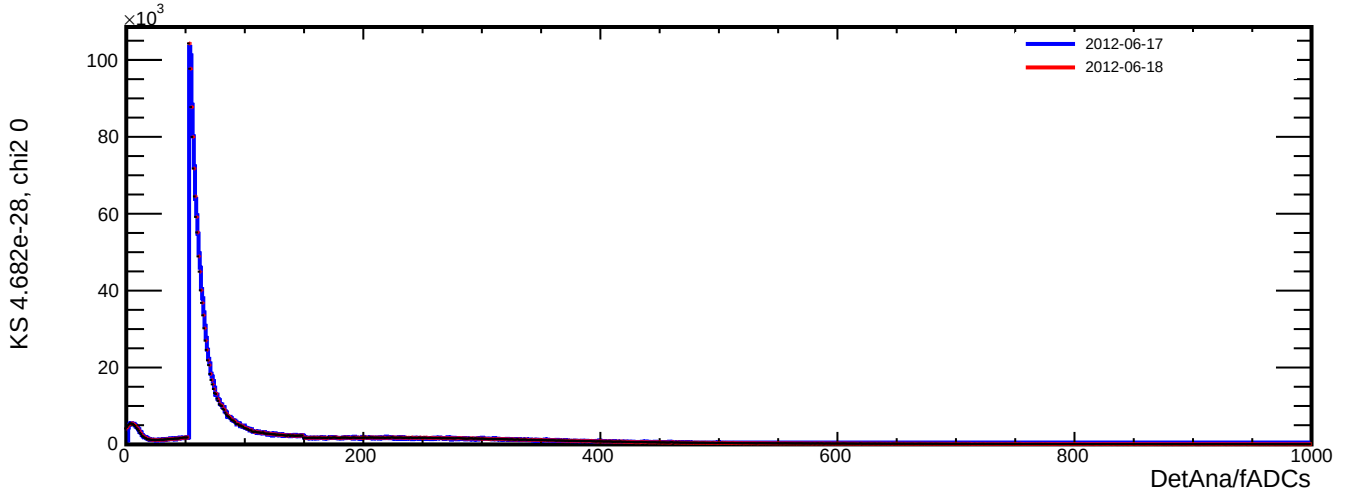

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
NeutrinoAna/fNeutrinoUY_HP

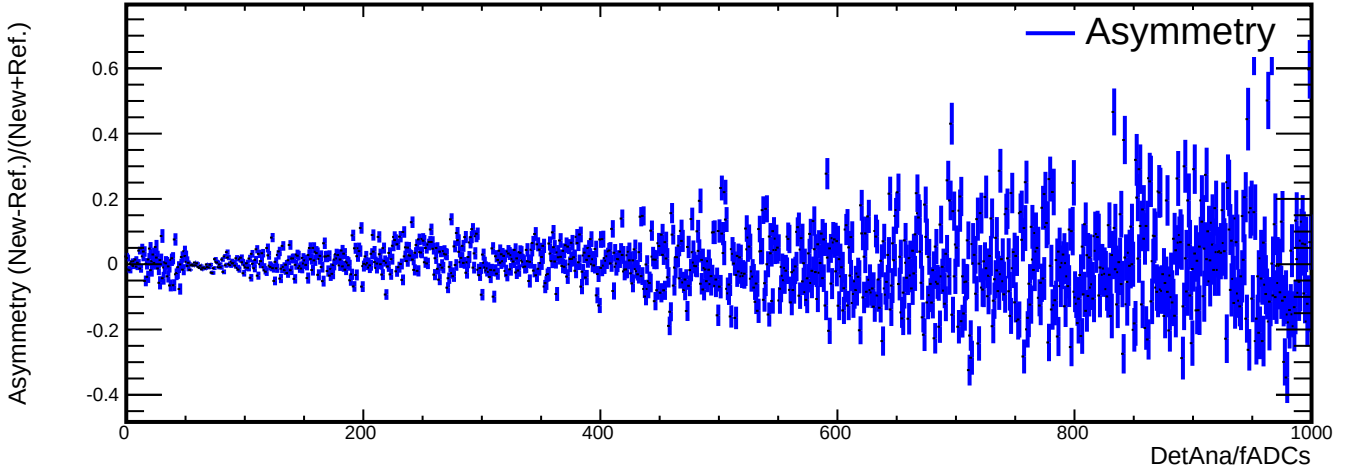

KS 0.798806, chi2 1.63359e-06
2012-06-17
2012-06-18
600
400
200
0
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_HP

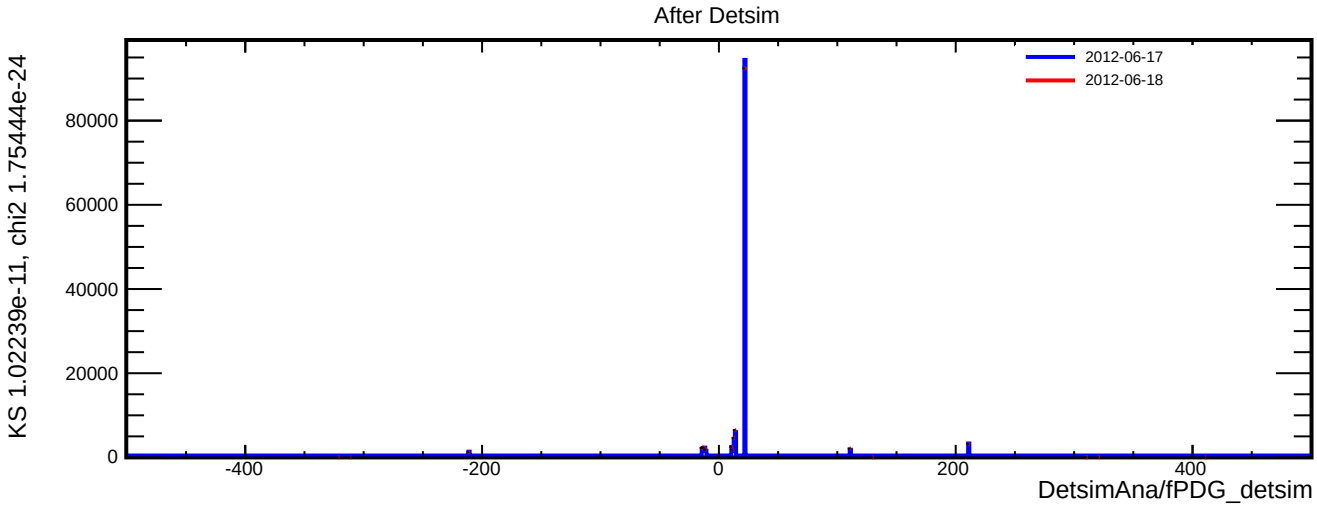

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
NeutrinoAna/fNeutrinoUZ_HP

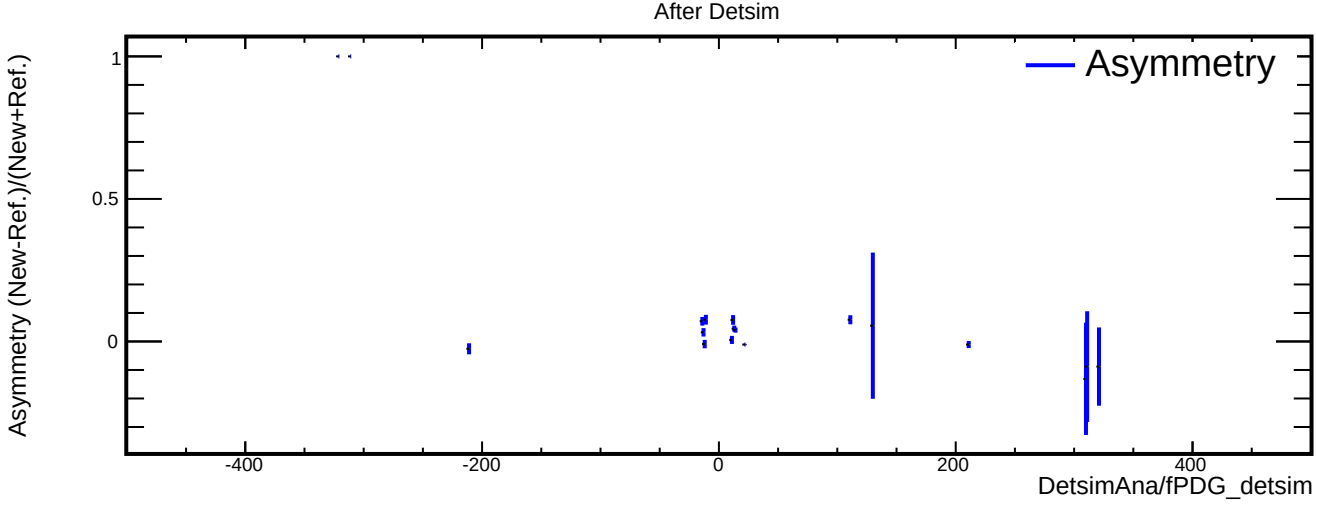

KS 0.0348446, chi2 8.75507e-81
2012-06-17
2012-06-18
DetAna/fNumDigits

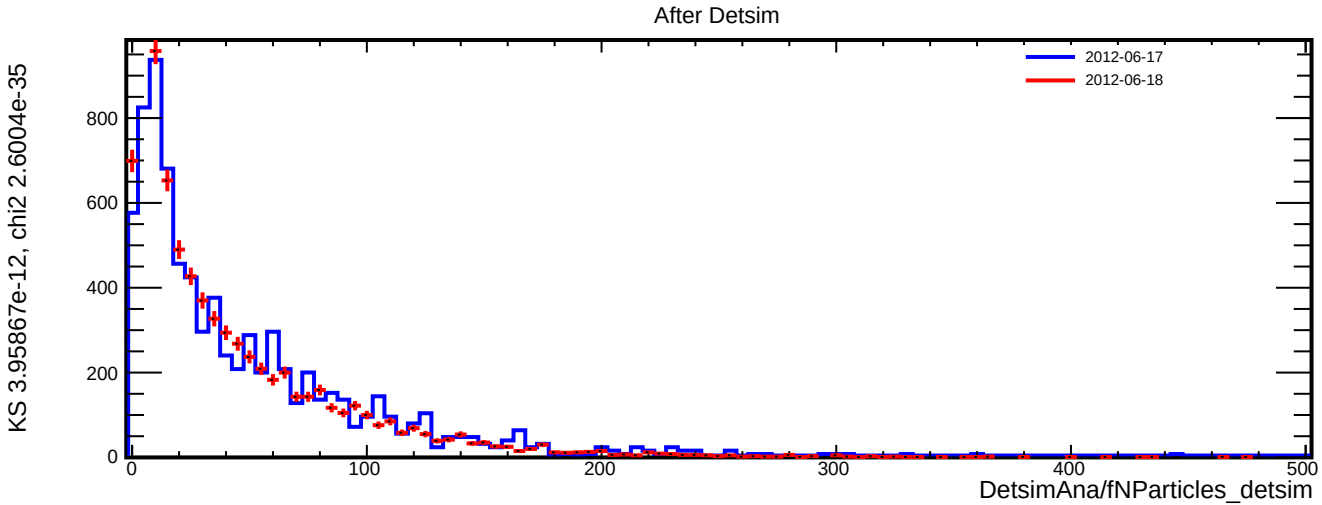

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
DetAna/fNumDigits

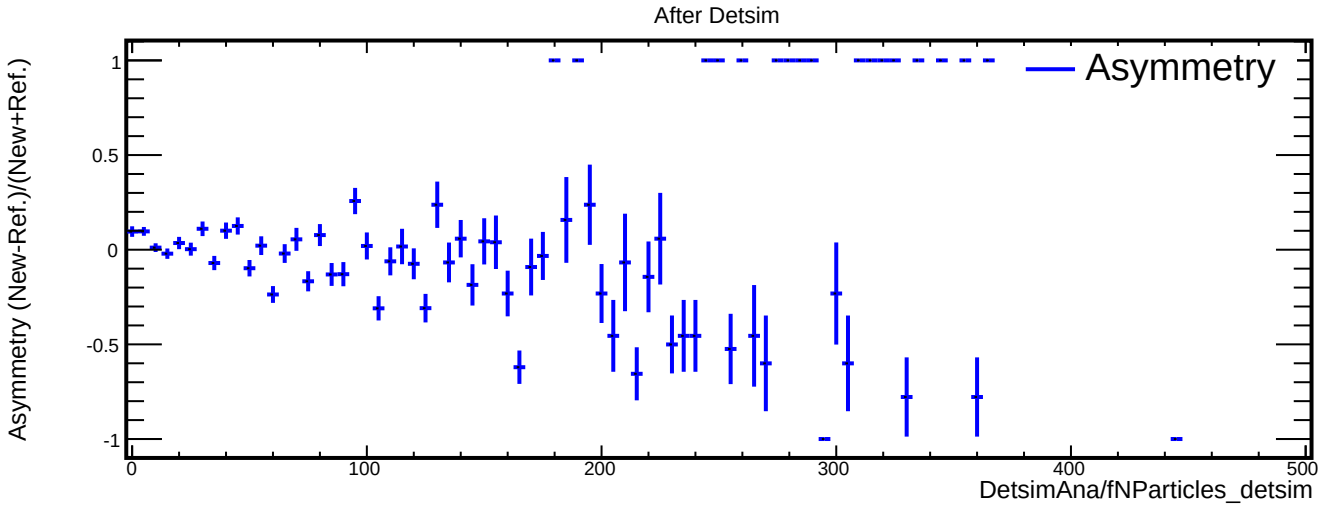

×10^3
100
80
60
40
20
0
KS 4.682e-28, chi2 0
2012-06-17
2012-06-18
0
200
400
600
800
1000
DetAna/fADCs

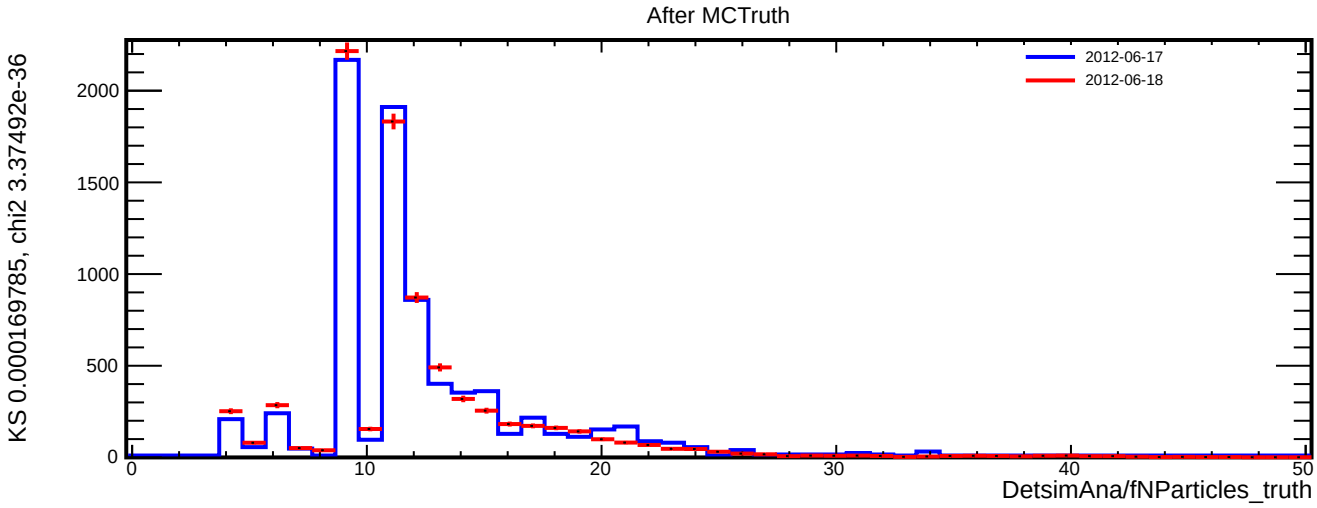

Asymmetry
0.6
0.4
0.2
0
-0.2
-0.4
Asymmetry (New-Ref.)/(New+Ref.)
0
200
400
600
800
1000
DetAna/fADCs

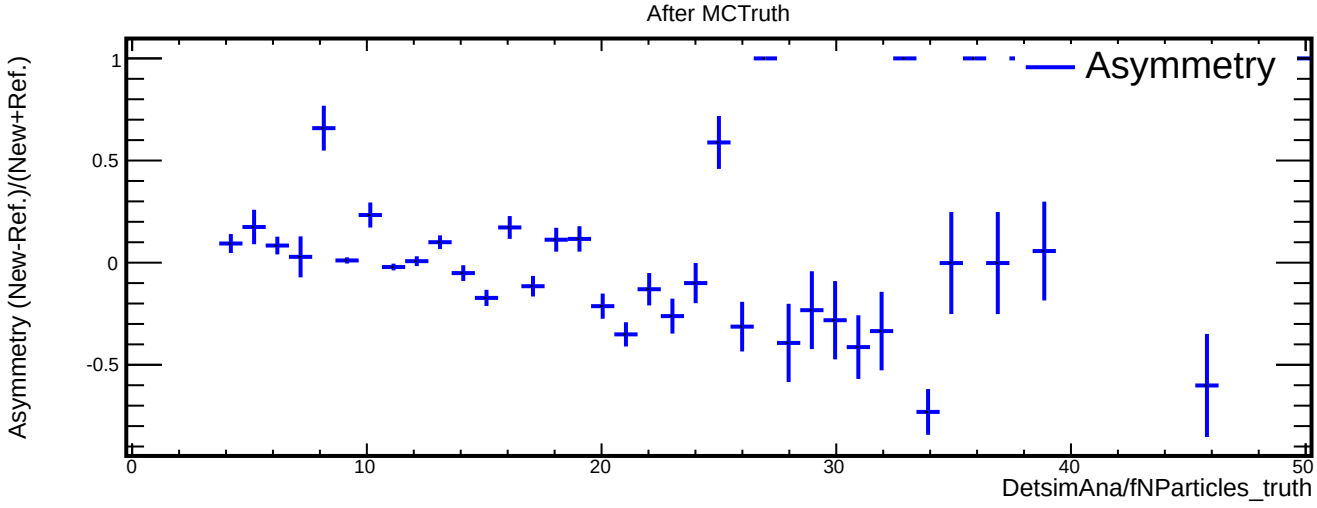

After Detsim
KS 1.02239e-11, chi2 1.75444e-24
2012-06-17
2012-06-18
80000
60000
40000
20000
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim

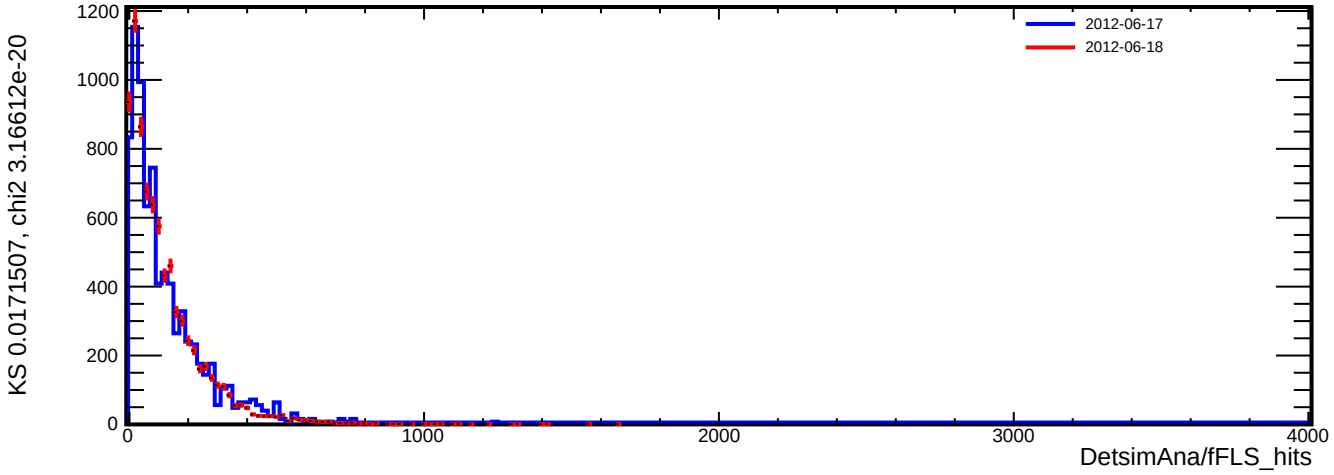

After Detsim
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-400
-200
0
200
400
DetsimAna/fPDG_detsim

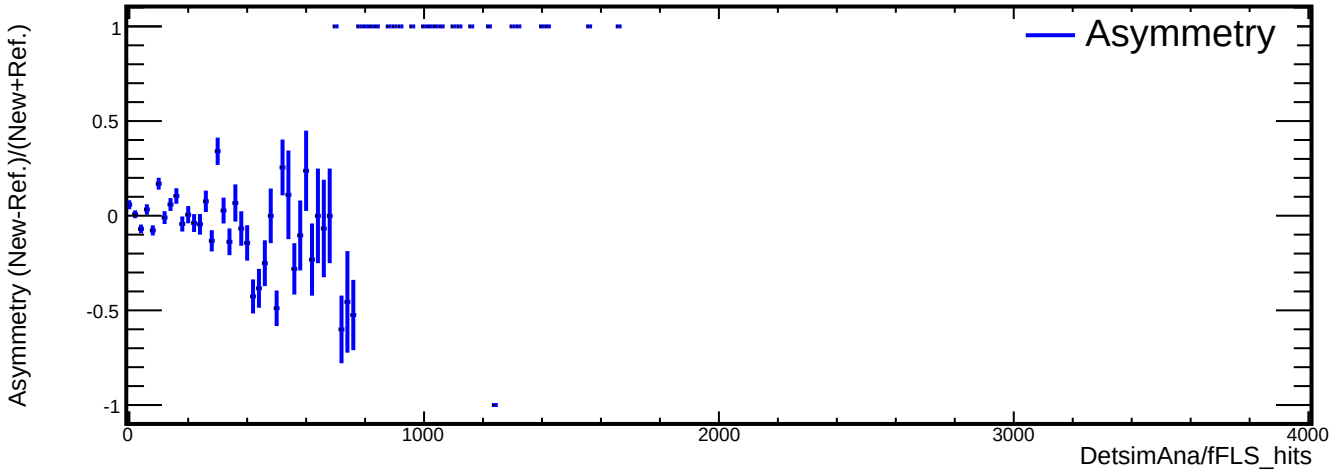

After Detsim
KS 3.95867e-12, chi2 2.6004e-35
2012-06-17
2012-06-18
0
200
400
600
800
0
100
200
300
400
500
DetsimAna/fNParticles_detsim

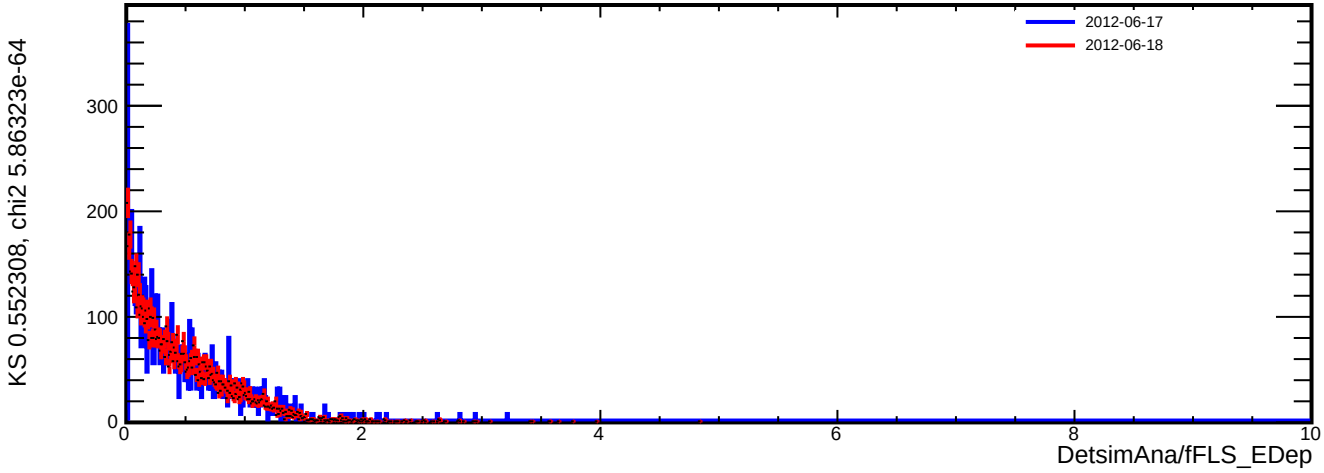

After Detsim
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
100
200
300
400
500
DetsimAna/fNParticles_detsim

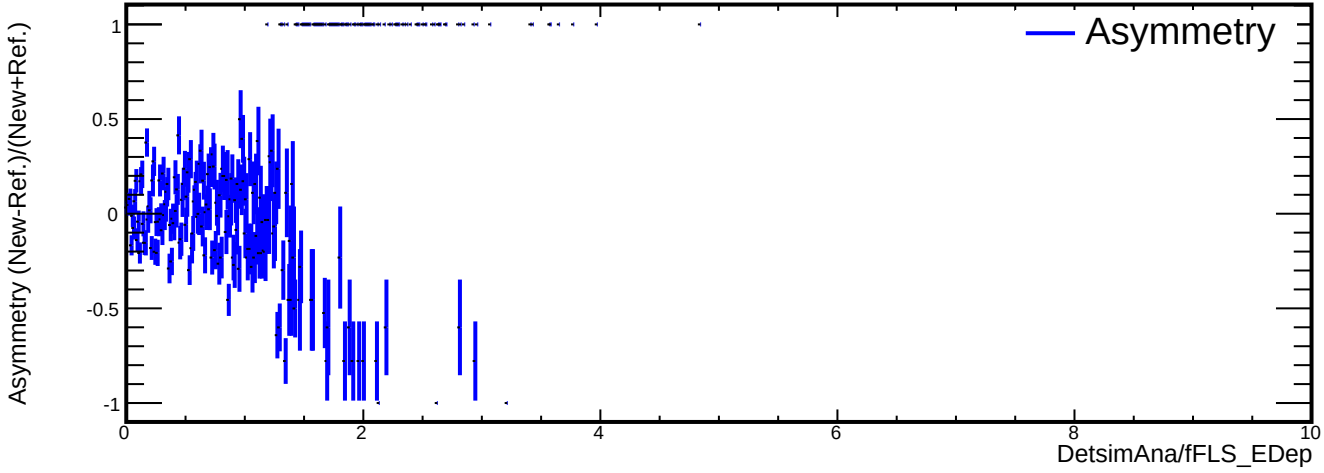

After MCTruth
KS 0.000169785, chi2 3.37492e-36
2012-06-17
2012-06-18
2000
1500
1000
500
0
0
10
20
30
40
50
DetsimAna/fNParticles_truth

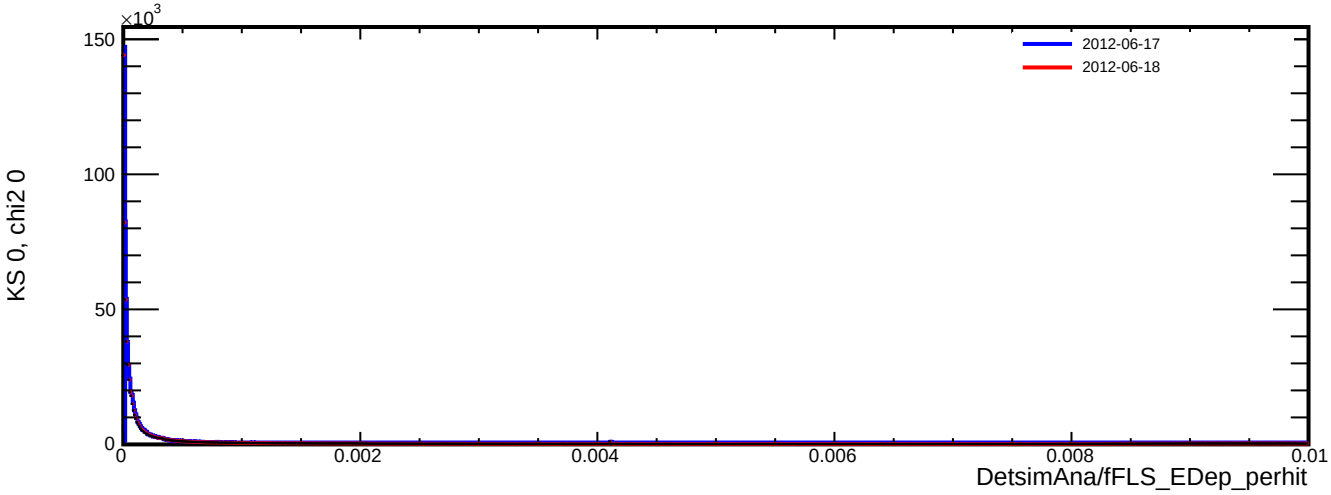

After MCTruth
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
0
10
20
30
40
50
DetsimAna/fNParticles_truth

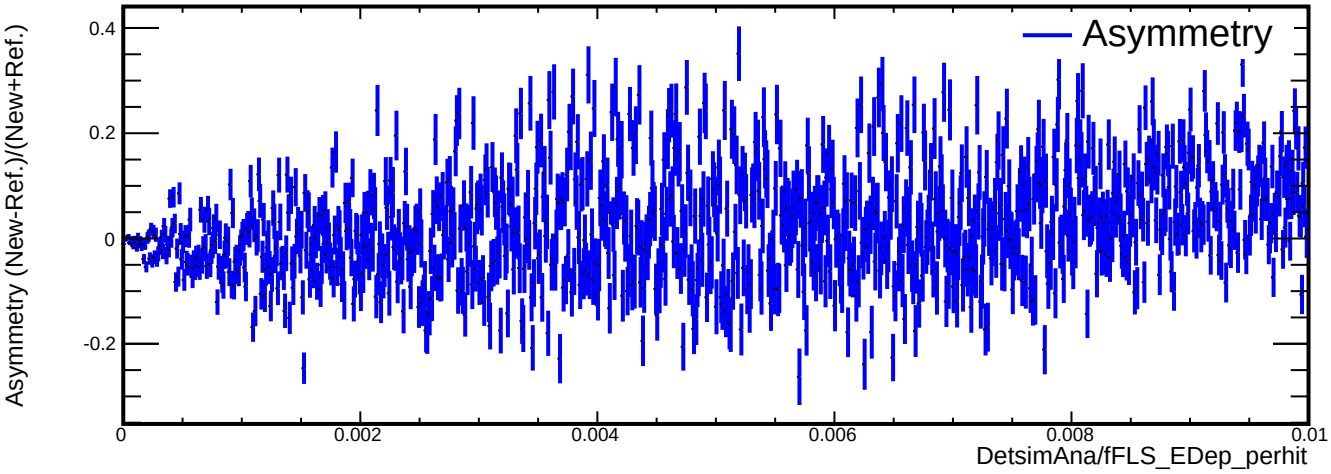

KS 0.0171507, chi2 3.16612e-20
2012-06-17
2012-06-18
DetsimAna/fFLS_hits

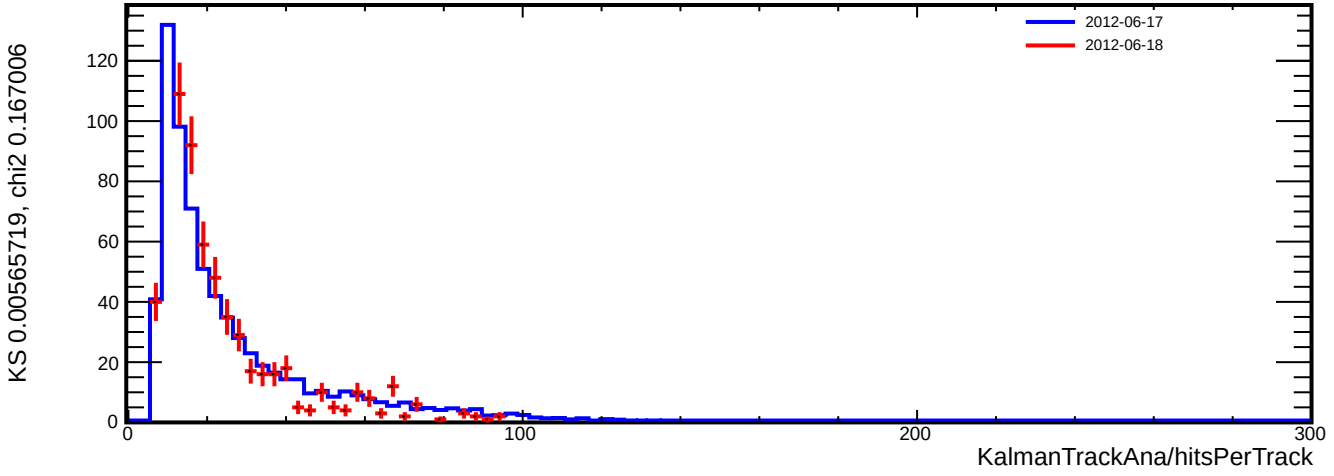

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
DetsimAna/fFLS_hits

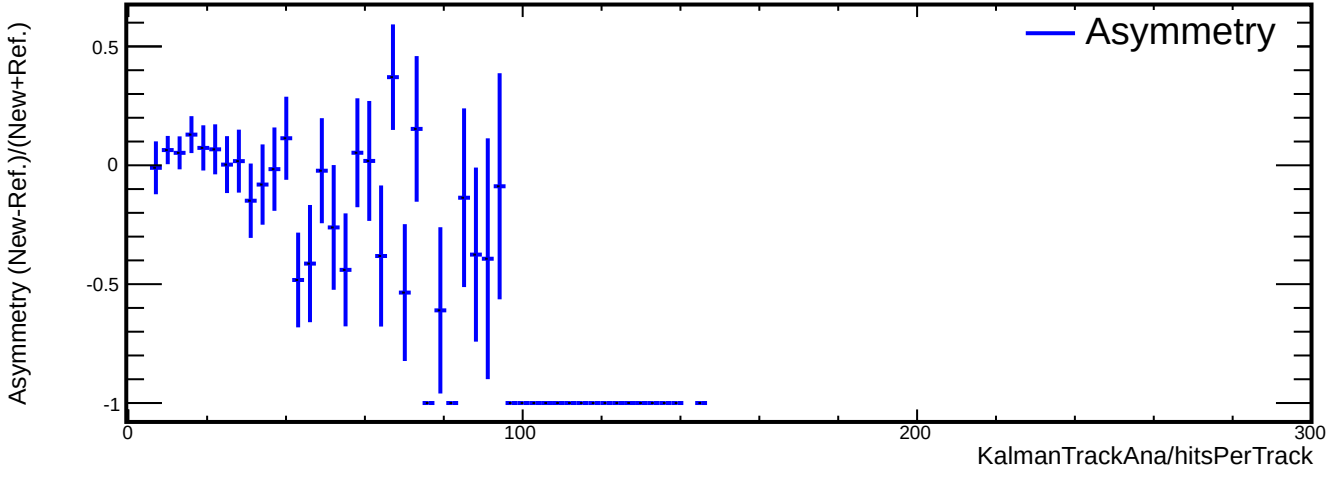

KS 0.552308, chi2 5.86323e-64
2012-06-17
2012-06-18
300
200
100
0
0
2
4
6
8
10
DetsimAna/fFLS_EDep

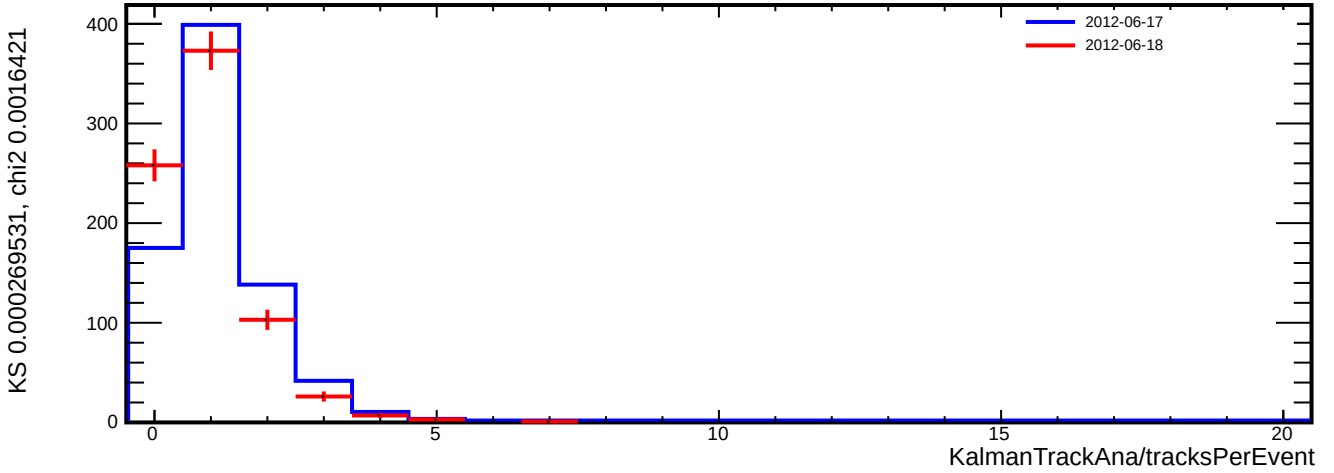

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2
4
6
8
10
DetsimAna/fFLS_EDep

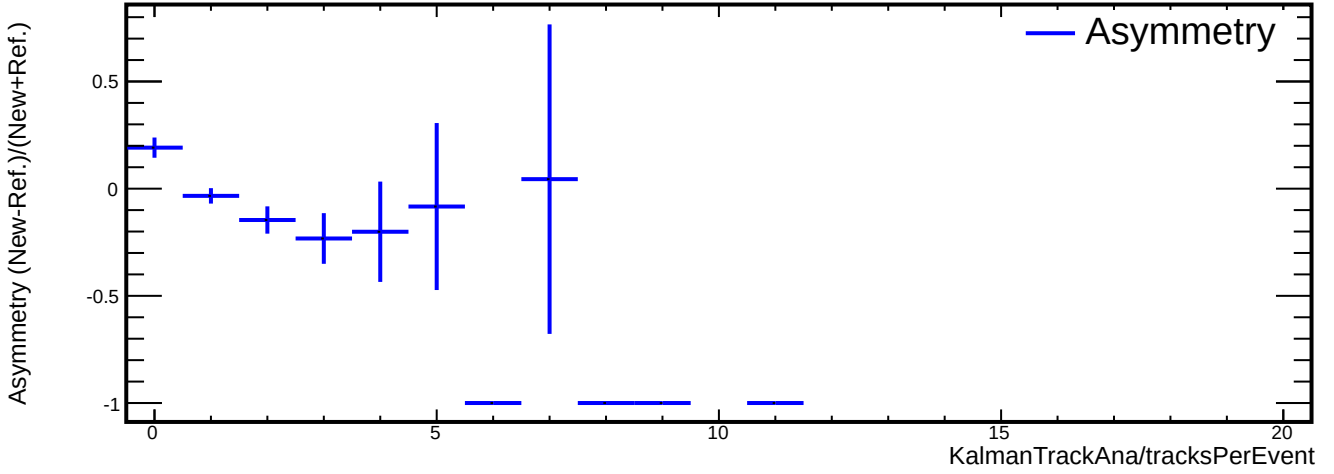

×10^3
150
100
50
0
KS 0, chi2 0
2012-06-17
2012-06-18
0
0.002
0.004
0.006
0.008
0.01
DetsimAna/fFLS_EDep_perhit

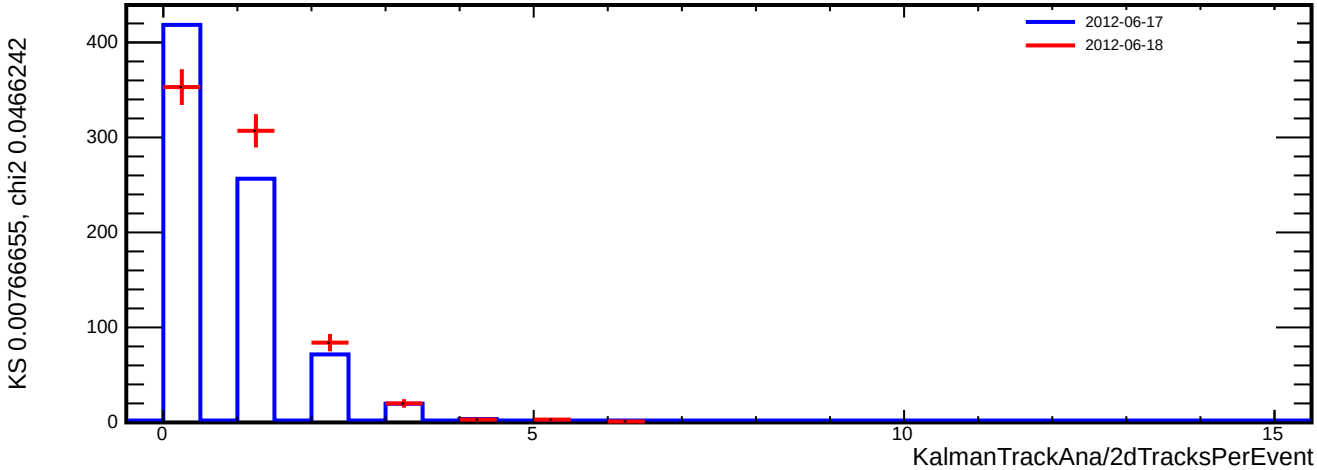

0.4
0.2
0
-0.2
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
0.002
0.004
0.006
0.008
0.01
DetsimAna/fFLS_EDep_perhit

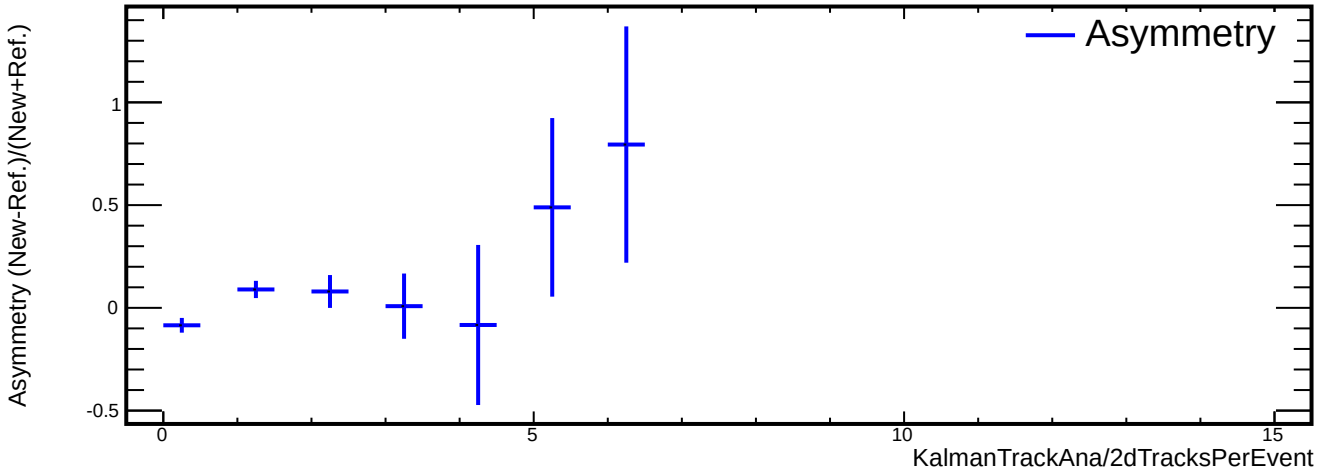

KS 0.00565719, chi2 0.167006
2012-06-17
2012-06-18
0
20
40
60
80
100
120
0
100
200
300
KalmanTrackAna/hitsPerTrack

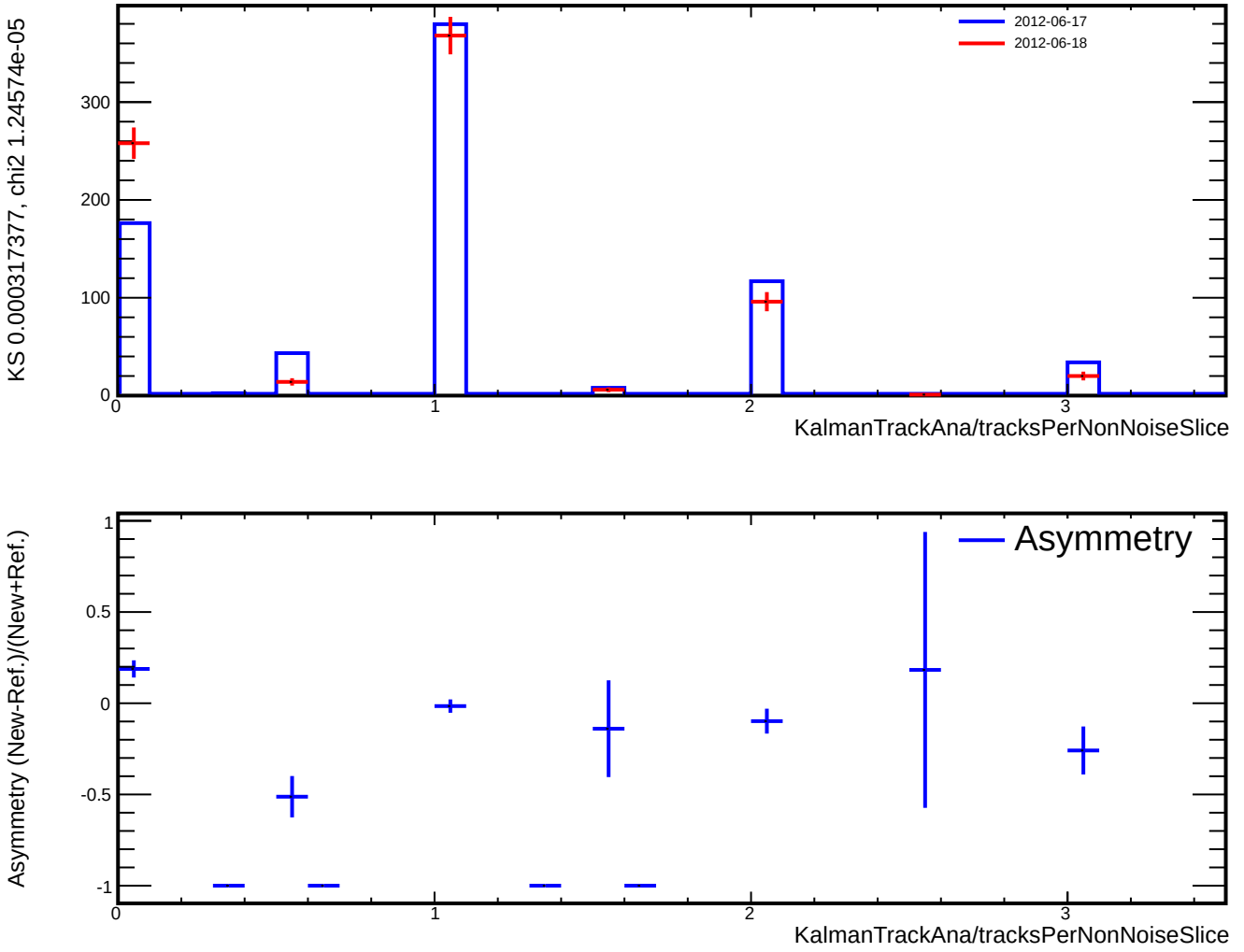

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
100
200
300
KalmanTrackAna/hitsPerTrack

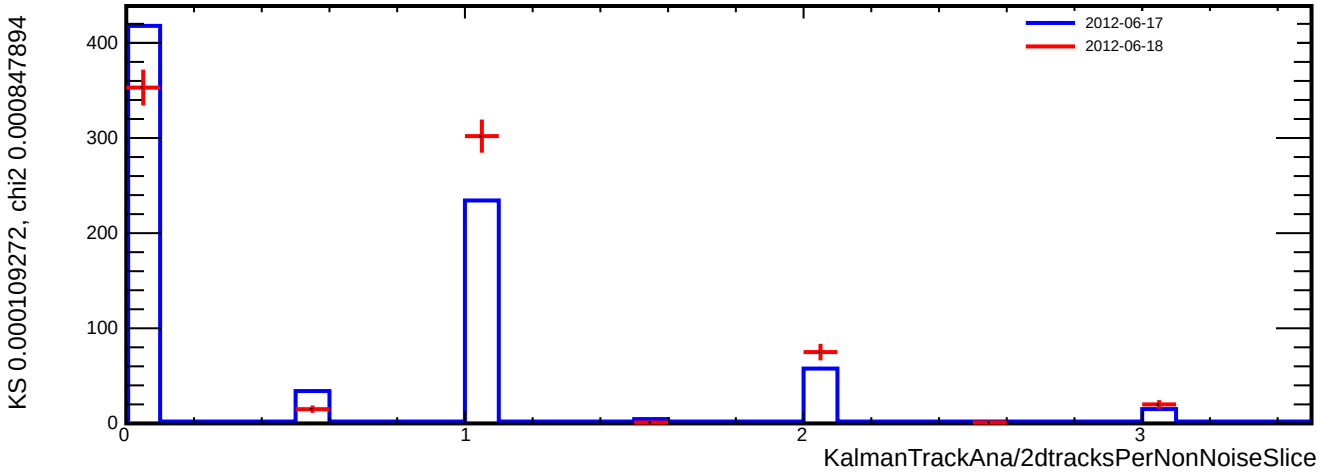

KS 0.000269531, chi2 0.0016421
400
300
200
100
0
0
5
10
15
20
KalmanTrackAna/tracksPerEvent
2012-06-17
2012-06-18

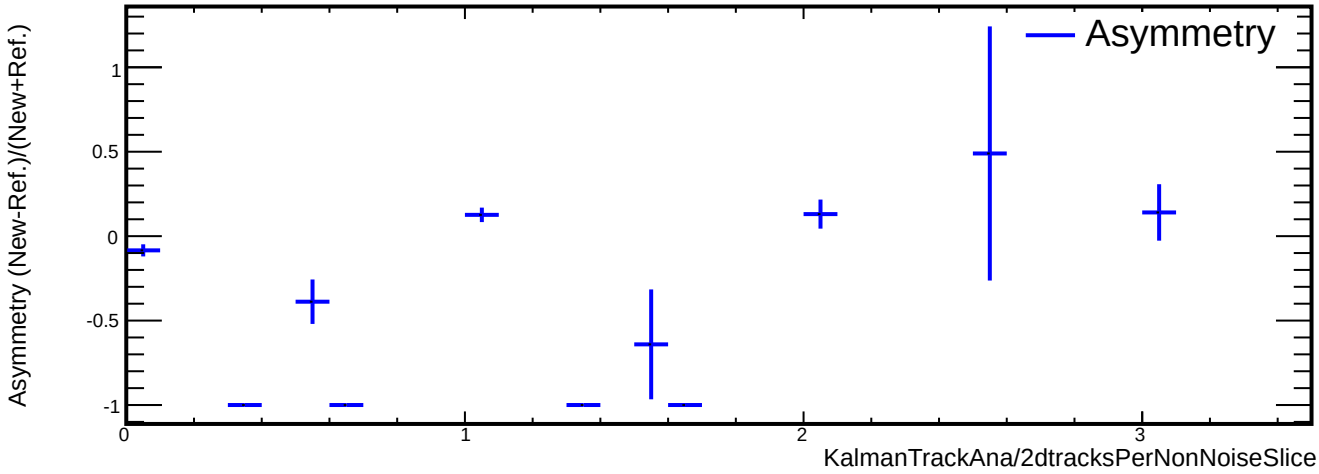

Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
0
5
10
15
20
KalmanTrackAna/tracksPerEvent
Asymmetry

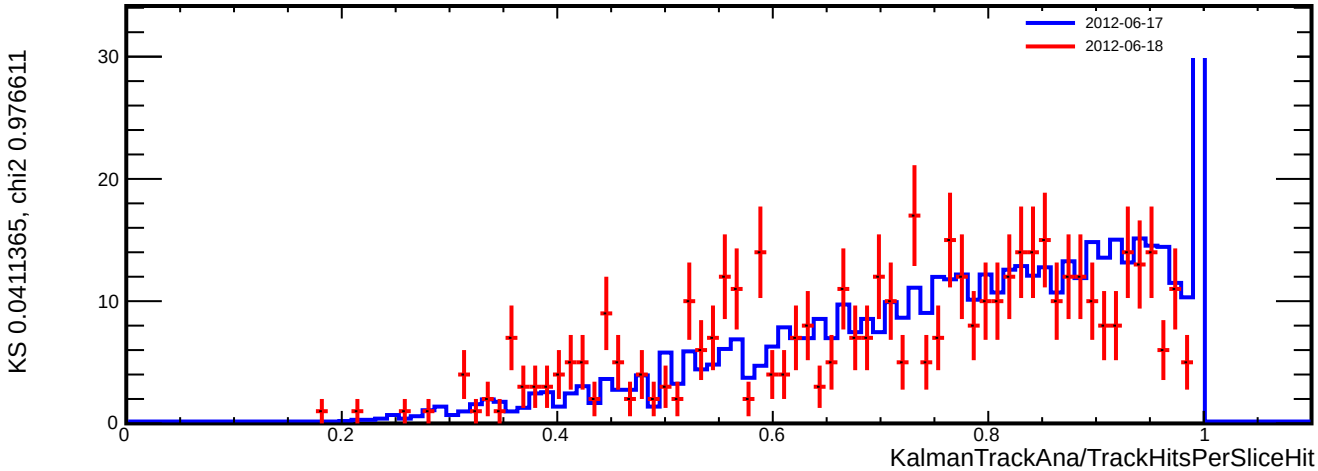

KS 0.00766655, chi2 0.0466242
400
300
200
100
0
0
5
10
15
KalmanTrackAna/2dTracksPerEvent
2012-06-17
2012-06-18

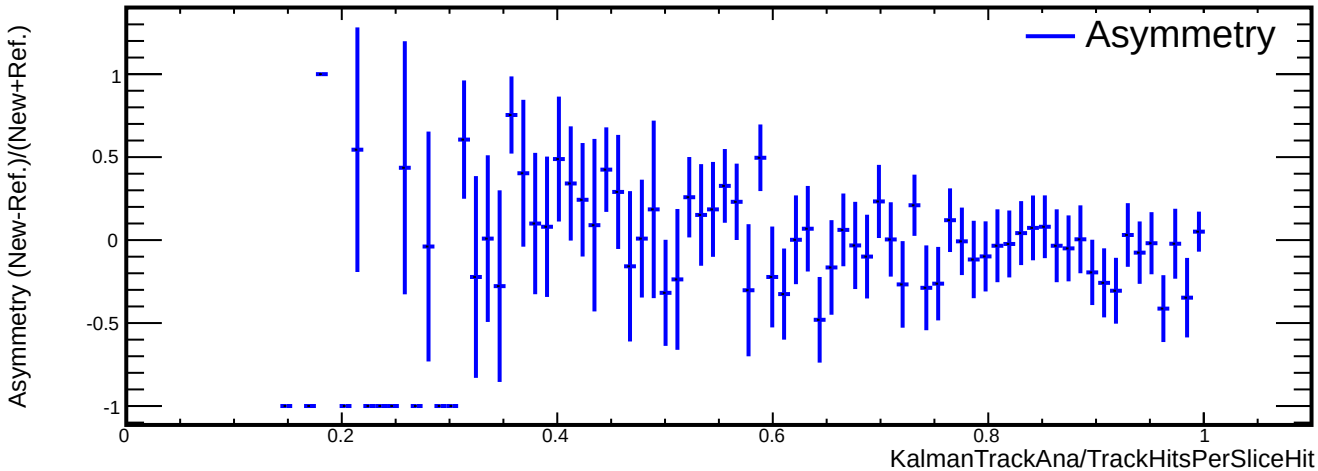

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
0
5
10
15
KalmanTrackAna/2dTracksPerEvent
Asymmetry

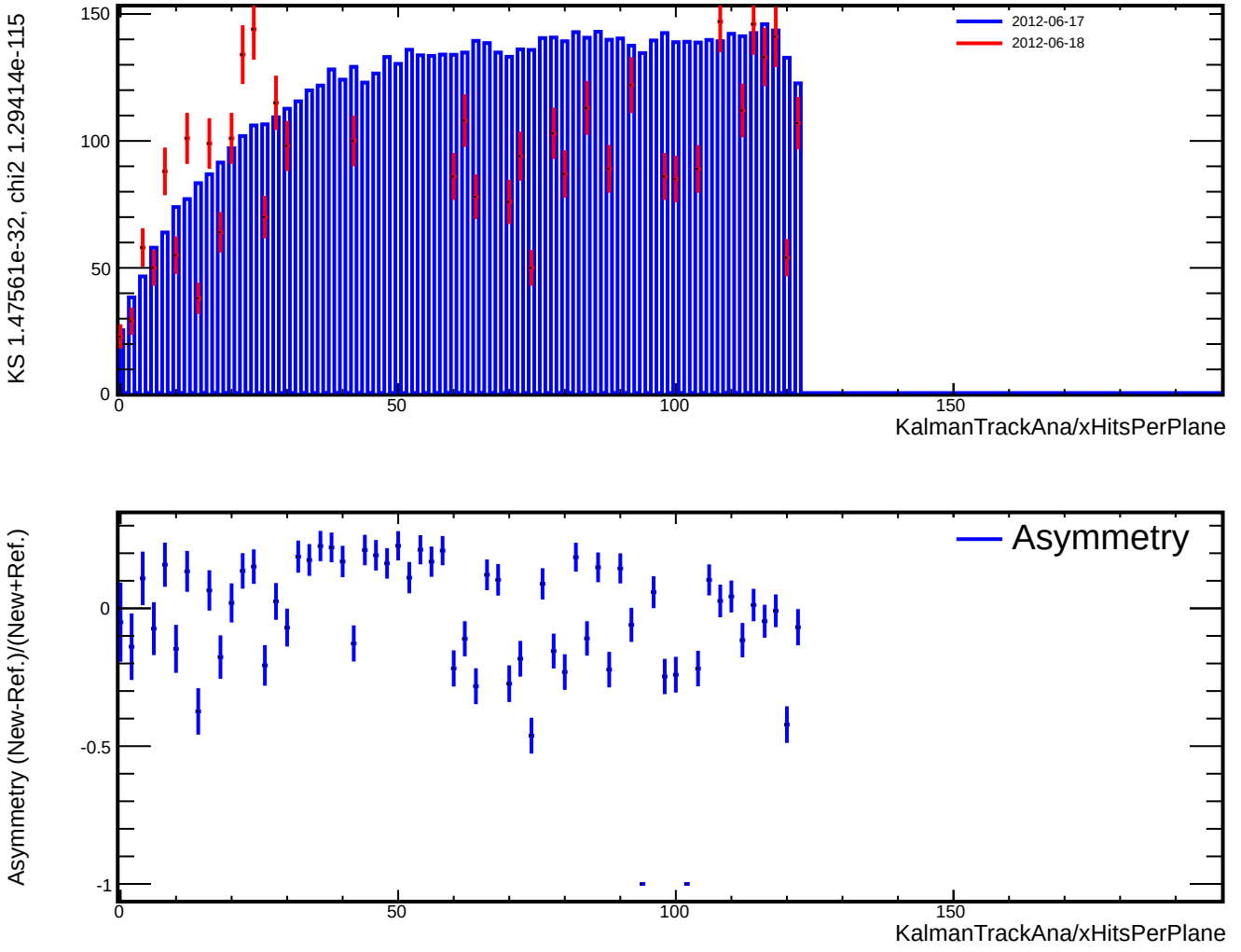

KS 0.000317377, chi2 1.24574e-05
2012-06-17
2012-06-18
300
200
100
0
0
1
2
3
KalmanTrackAna/tracksPerNonNoiseSlice
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
1
2
3
KalmanTrackAna/tracksPerNonNoiseSlice

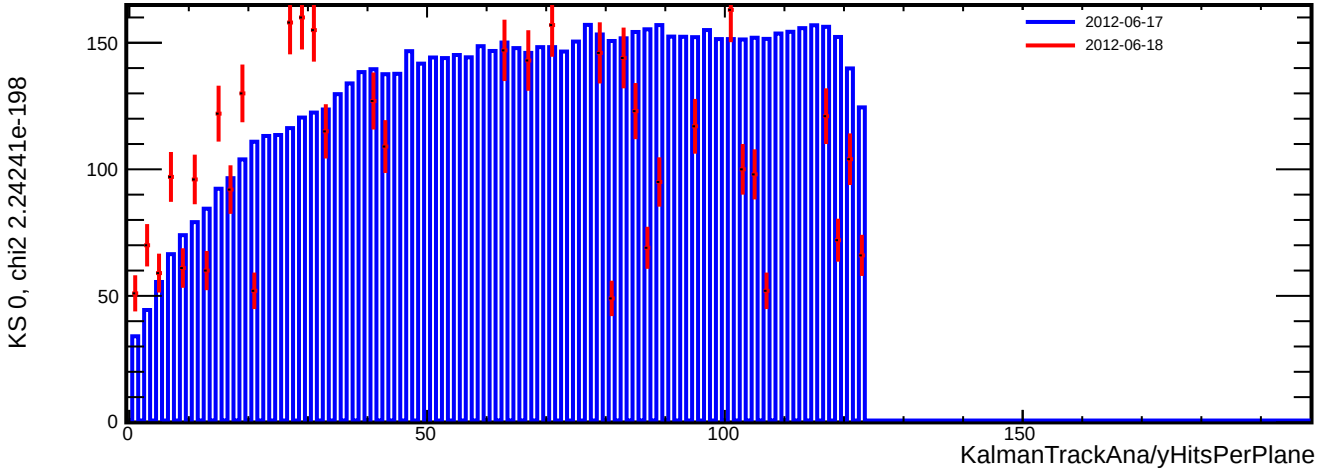

KS 0.000109272, chi2 0.000847894
400
300
200
100
0
0
1
2
3
2012-06-17
2012-06-18
KalmanTrackAna/2dtracksPerNonNoiseSlice

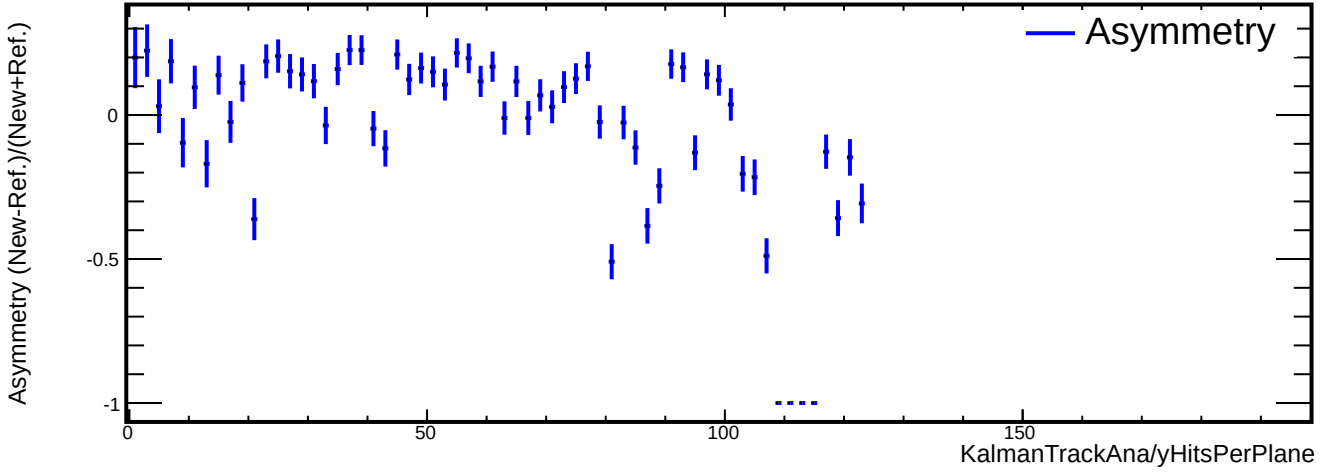

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
1
2
3
Asymmetry
KalmanTrackAna/2dtracksPerNonNoiseSlice

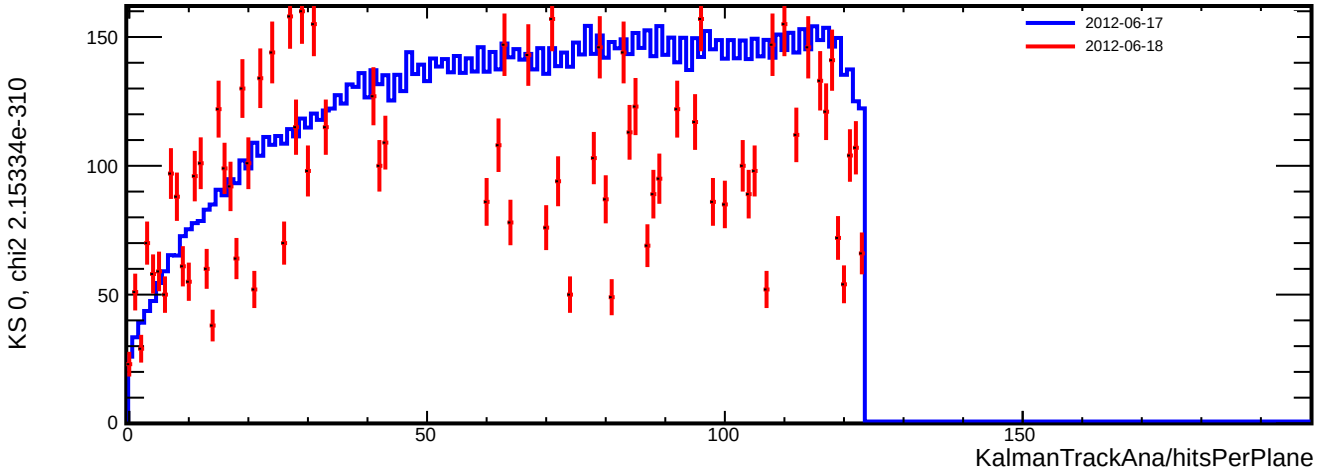

KS 0.0411365, chi2 0.976611
2012-06-17
2012-06-18
30
20
10
0
0
0.2
0.4
0.6
0.8
1
KalmanTrackAna/TrackHitsPerSliceHit

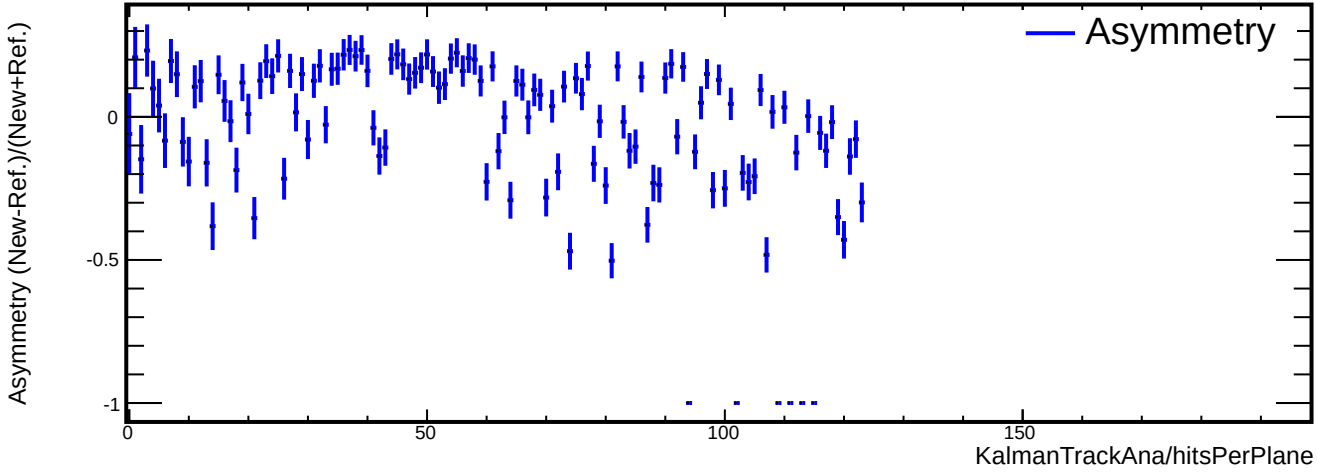

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
0.2
0.4
0.6
0.8
1
KalmanTrackAna/TrackHitsPerSliceHit

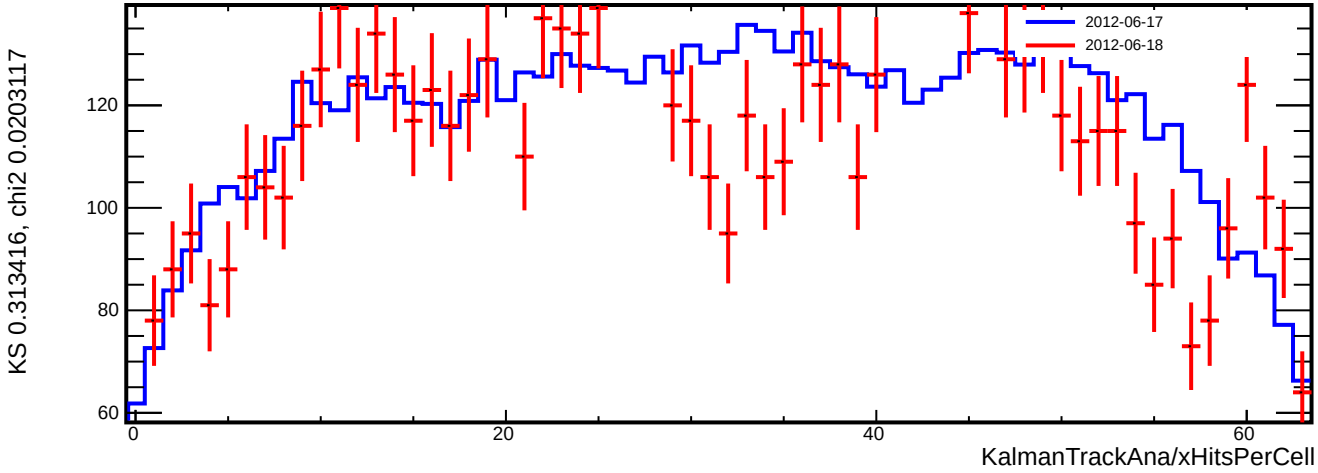

KS 1.47561e-32, chi2 1.29414e-115
2012-06-17
2012-06-18
KalmanTrackAna/xHitsPerPlane
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
KalmanTrackAna/xHitsPerPlane

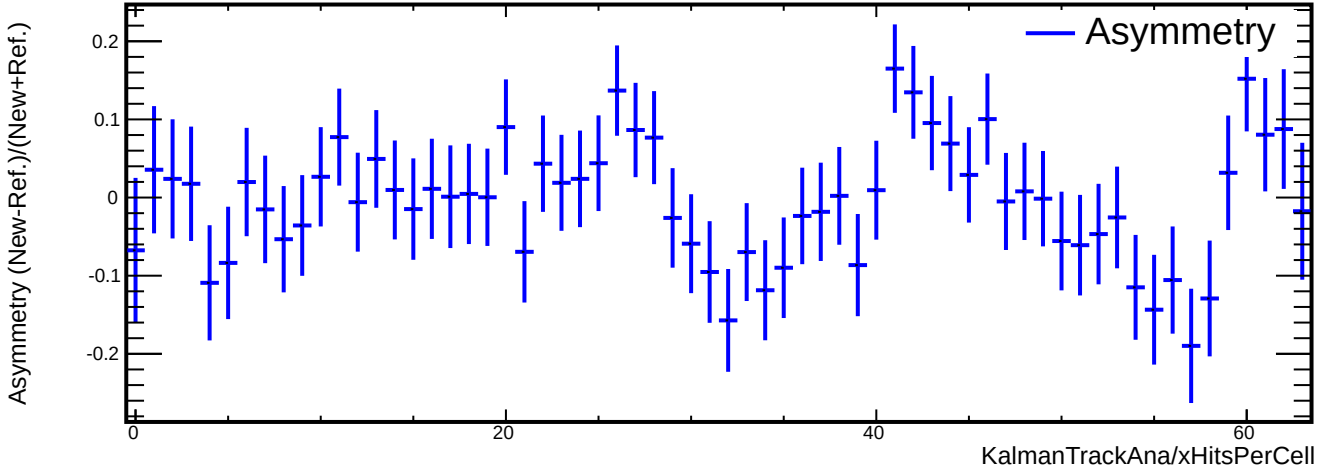

KS 0, chi2 2.24241e-198
2012-06-17
2012-06-18
0
50
100
150
0
50
100
150
KalmanTrackAna/yHitsPerPlane

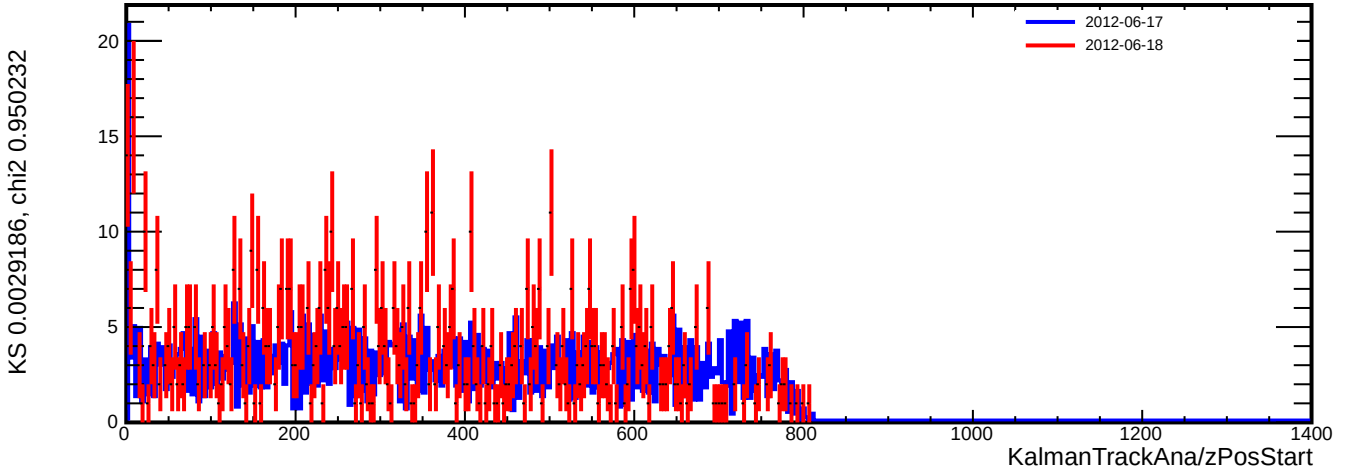

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
-0.5
-1
0
50
100
150
KalmanTrackAna/yHitsPerPlane

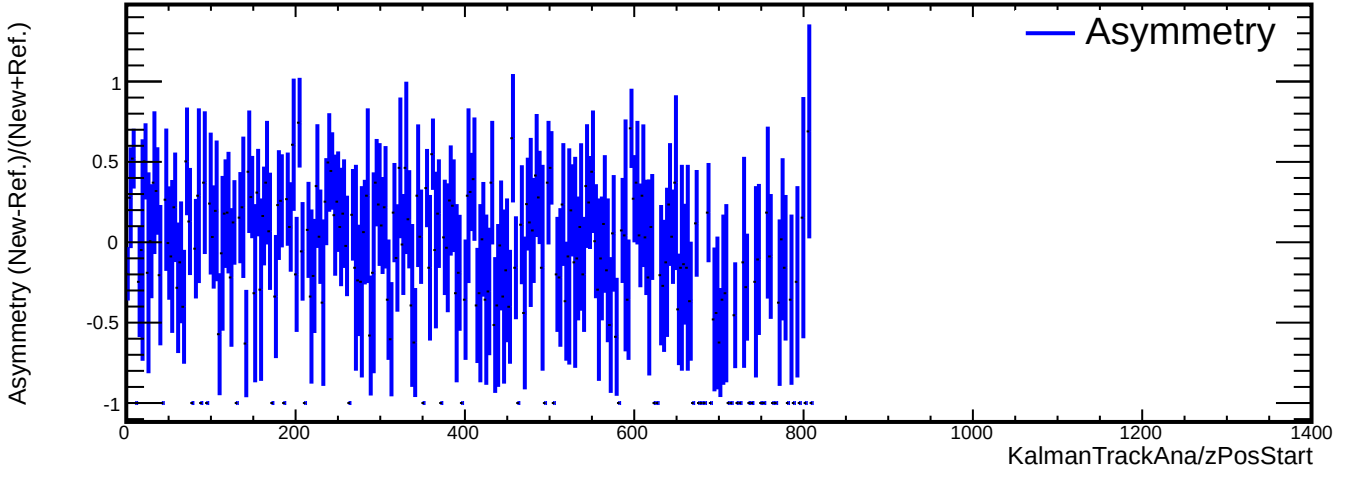

KS 0, chi2 2.15334e-310
150
100
50
0
0
50
100
150
KalmanTrackAna/hitsPerPlane
2012-06-17
2012-06-18

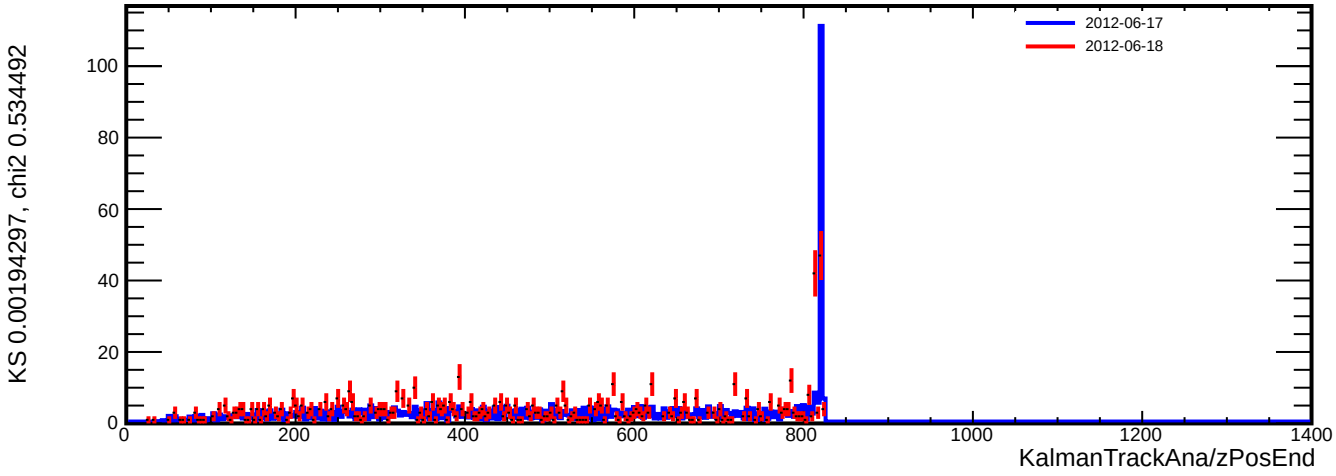

Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
0
50
100
150
KalmanTrackAna/hitsPerPlane
Asymmetry

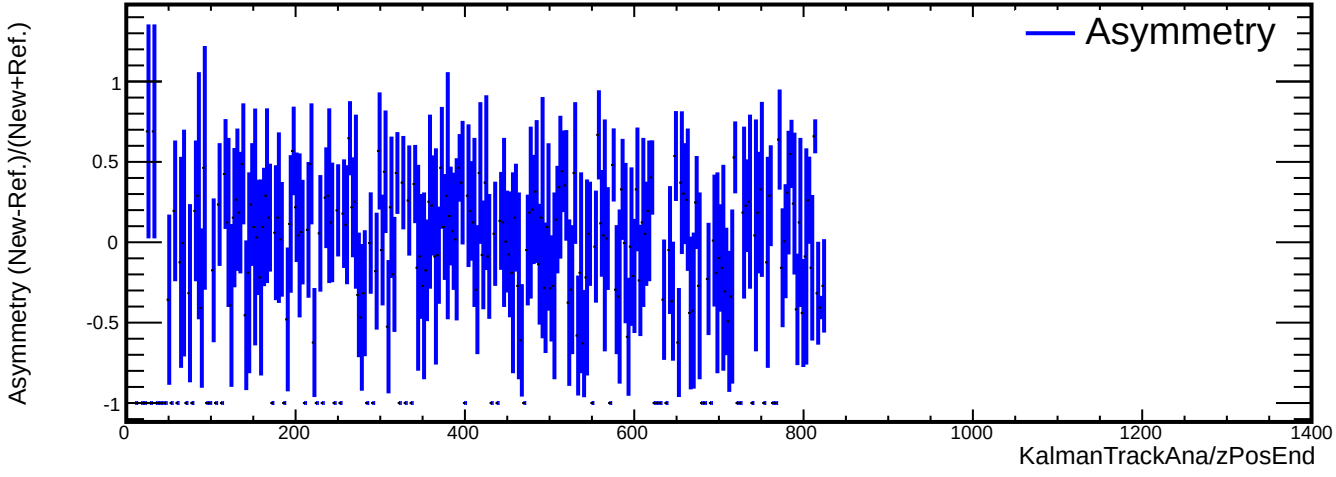

KS 0.313416, chi2 0.0203117
2012-06-17
2012-06-18
120
100
80
60
0
20
40
60
KalmanTrackAna/xHitsPerCell

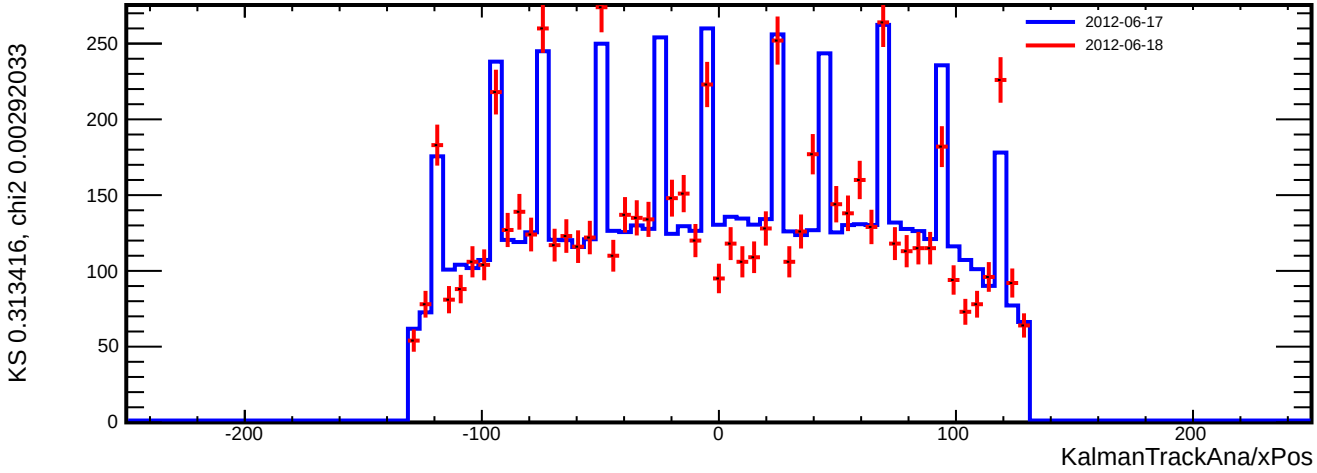

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-0.2
0
20
40
60
KalmanTrackAna/xHitsPerCell

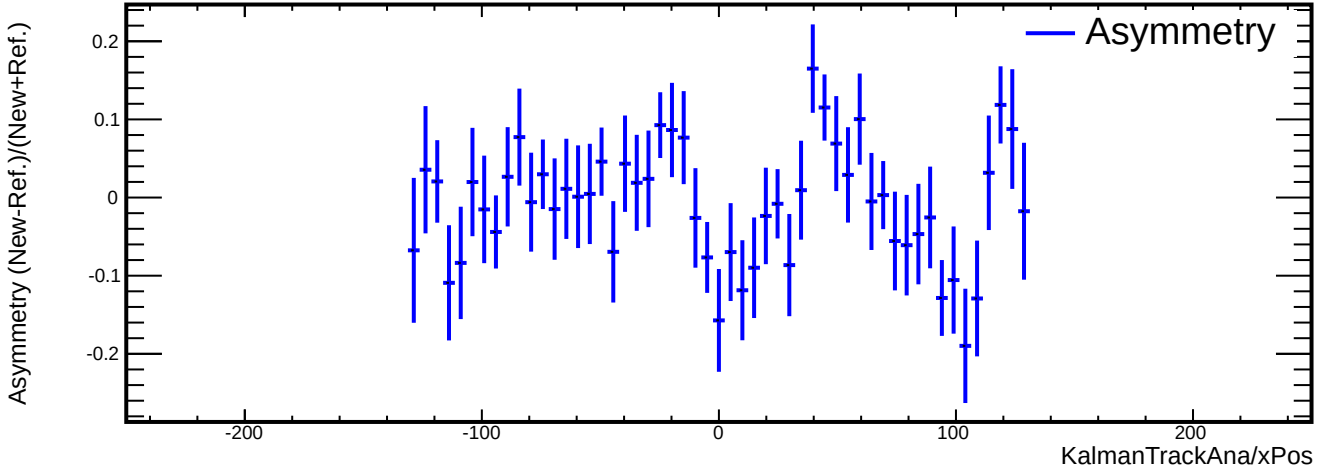

KS 0.0029186, chi2 0.950232
2012-06-17
2012-06-18
0
5
10
15
20
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosStart

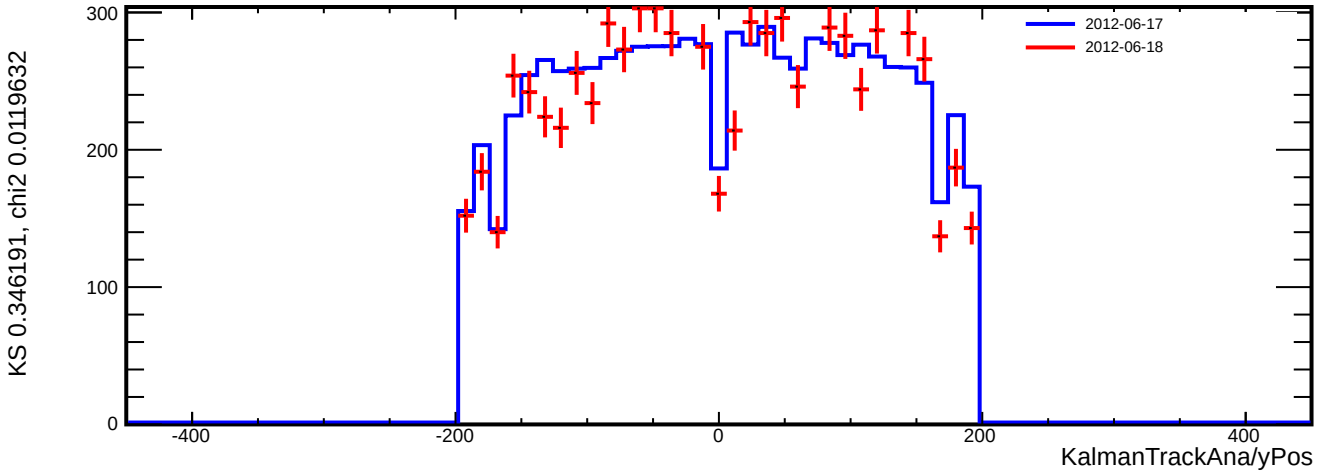

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-1
-0.5
0
0.5
1
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosStart

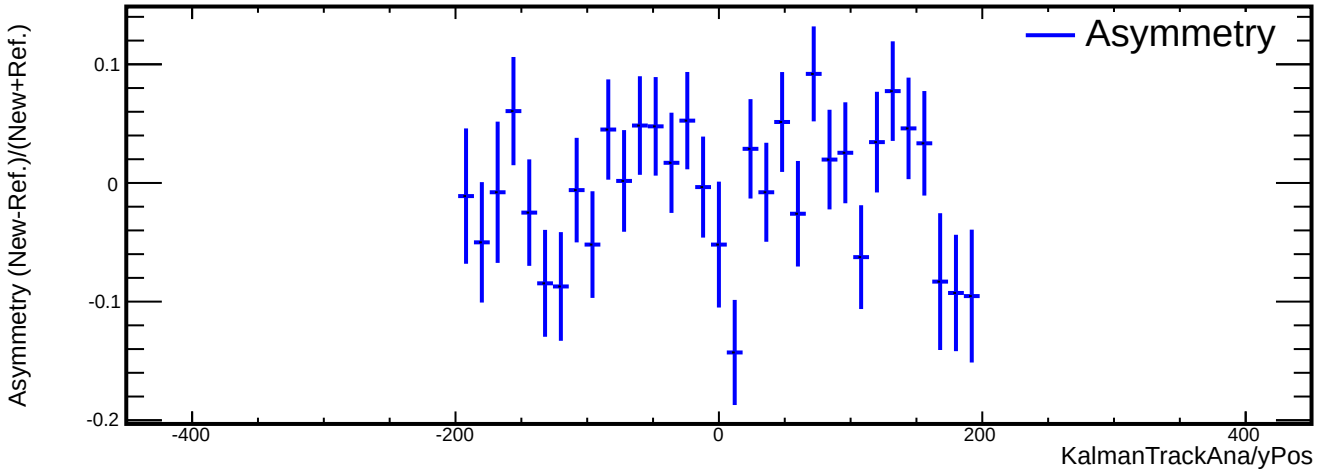

KS 0.00194297, chi2 0.534492
2012-06-17
2012-06-18
0
20
40
60
80
100
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosEnd

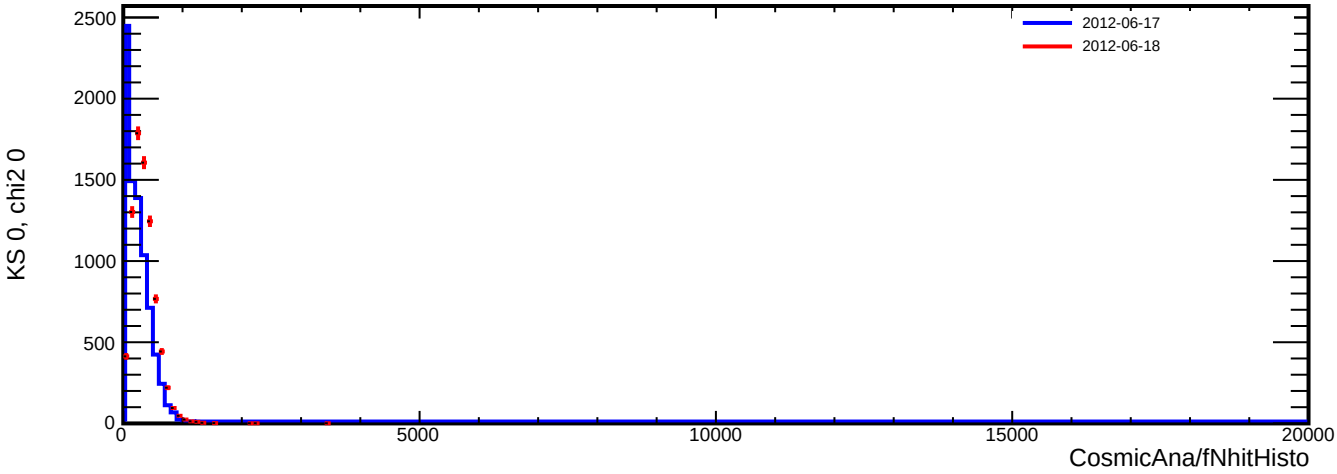

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
-1
-0.5
0
0.5
1
0
200
400
600
800
1000
1200
1400
KalmanTrackAna/zPosEnd

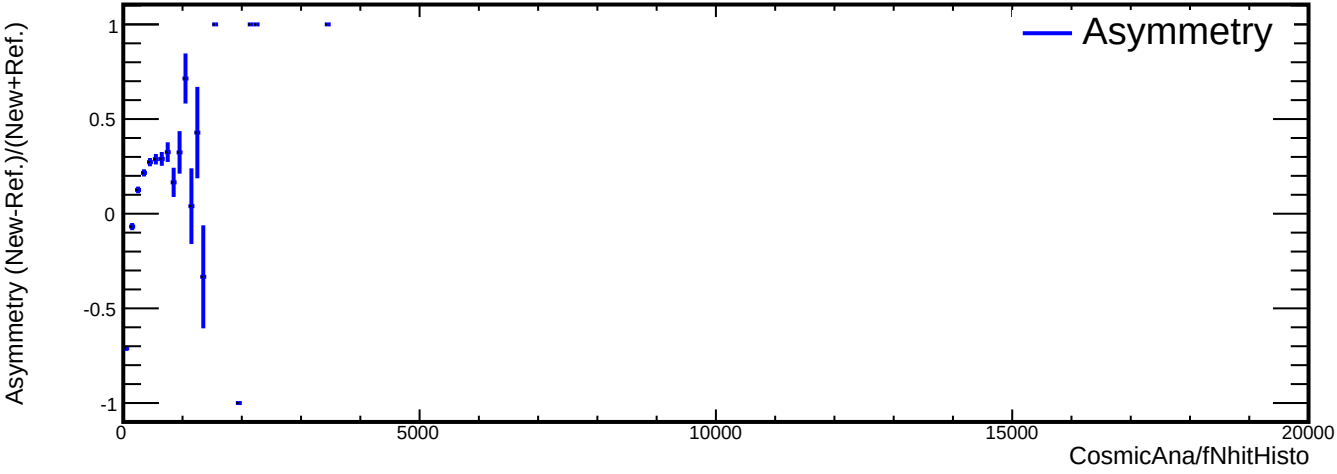

KS 0.313416, chi2 0.00292033
2012-06-17
2012-06-18
250
200
150
100
50
0
-200
-100
0
100
200
KalmanTrackAna/xPos

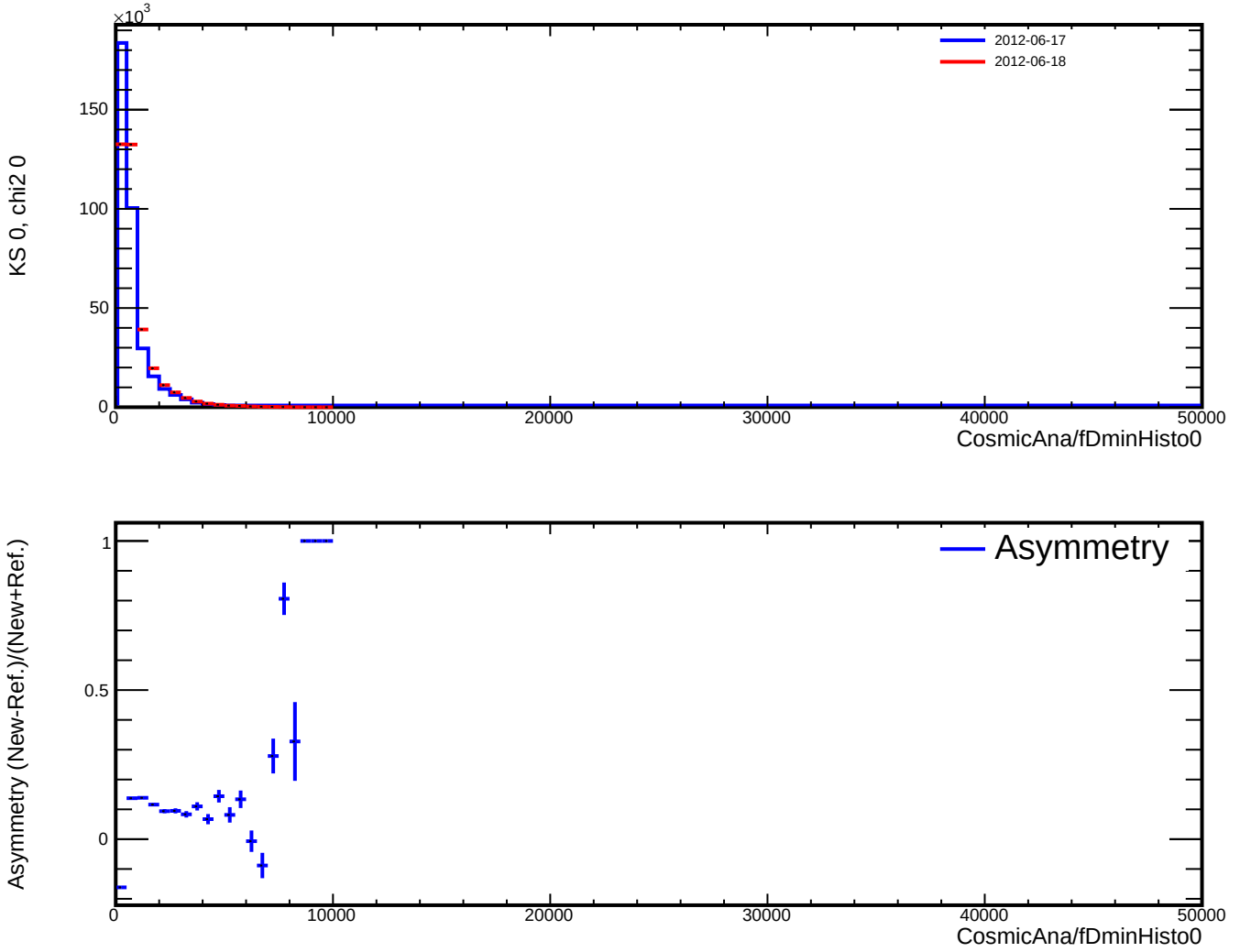

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0.1
0
-0.1
-0.2
-200
-100
0
100
200
KalmanTrackAna/xPos

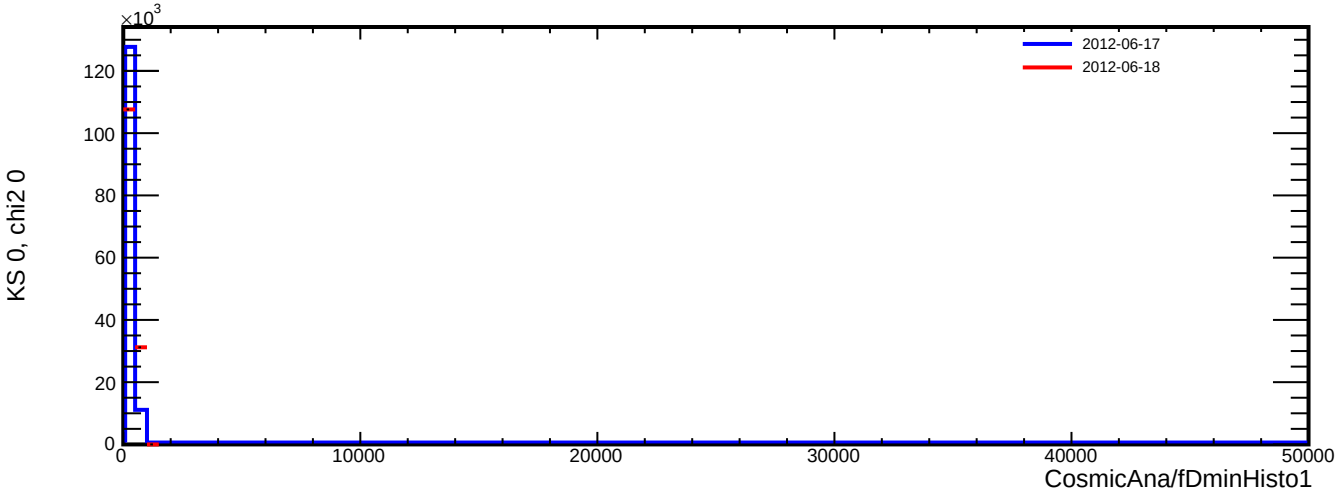

KS 0.346191, chi2 0.0119632
300
200
100
0
-400
-200
0
200
400
KalmanTrackAna/yPos
2012-06-17
2012-06-18

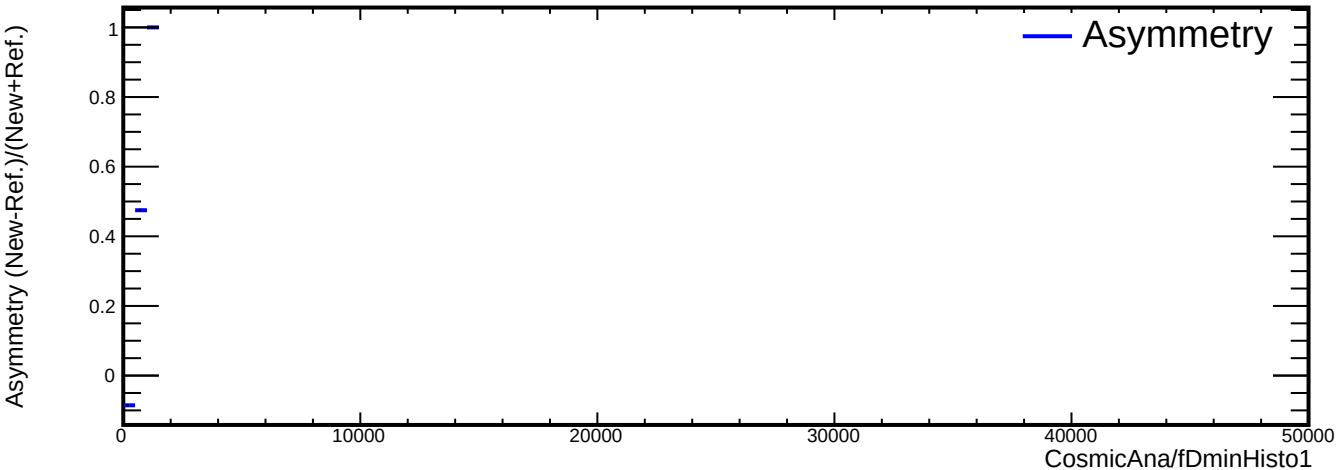

Asymmetry (New-Ref.)/(New+Ref.)
0.1
0
-0.1
-0.2
-400
-200
0
200
400
KalmanTrackAna/yPos
Asymmetry

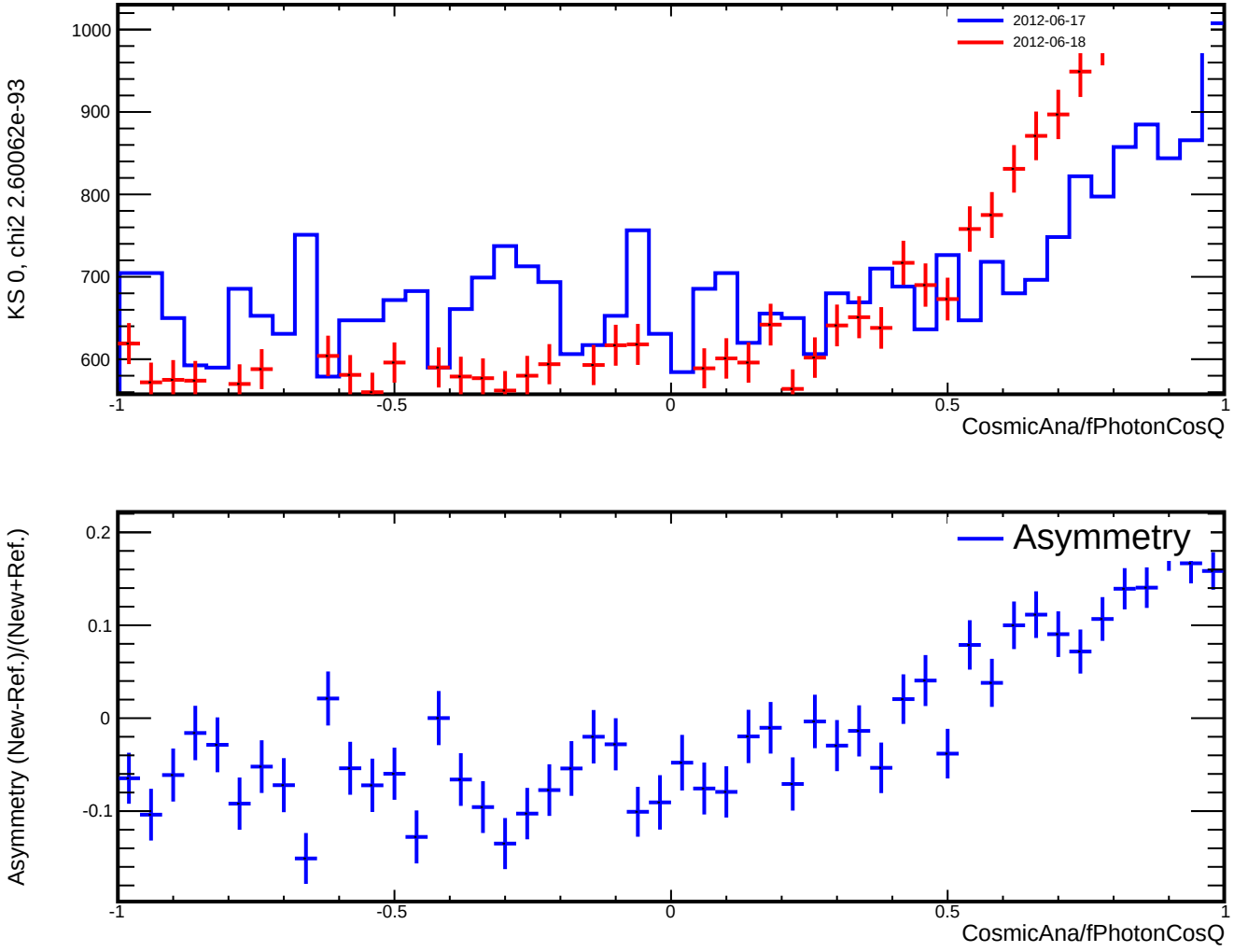

2012-06-17
2012-06-18
KS 0, chi2 0
2500
2000
1500
1000
500
0
0
5000
10000
15000
20000
CosmicAna/fNhitHisto

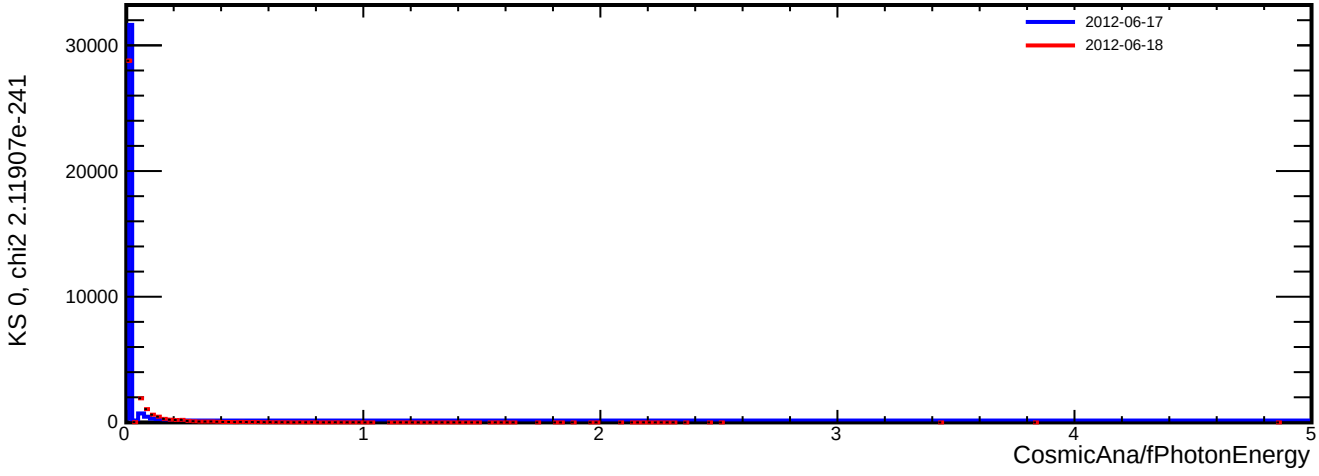

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
5000
10000
15000
20000
CosmicAna/fNhitHisto

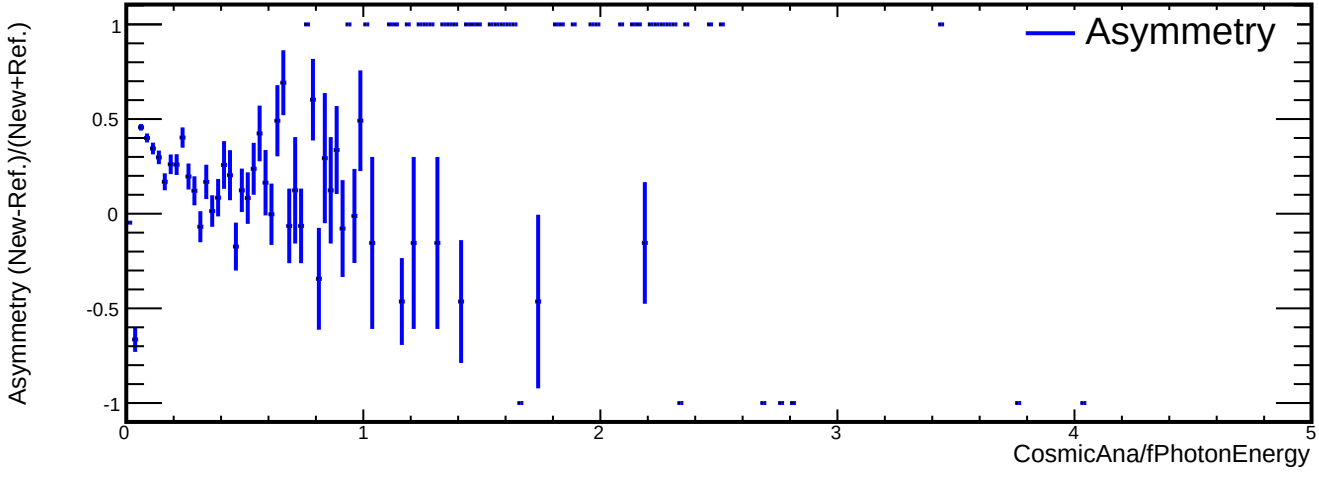

×10^3
150
100
50
0
KS 0, chi2 0
2012-06-17
2012-06-18
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0
1
0.5
0
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto0

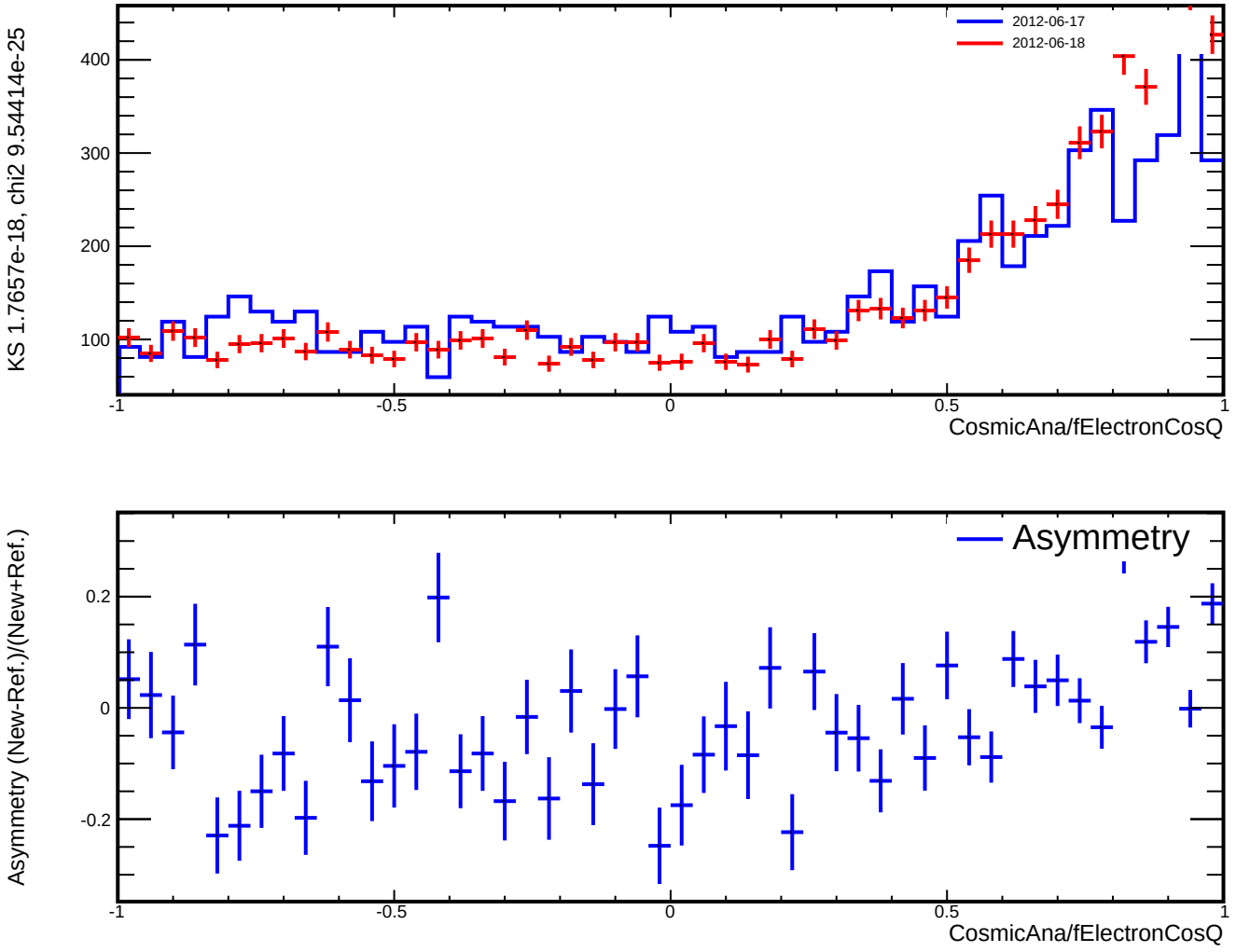

×10^3
120
100
80
60
40
20
0
KS 0, chi2 0
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto1
2012-06-17
2012-06-18

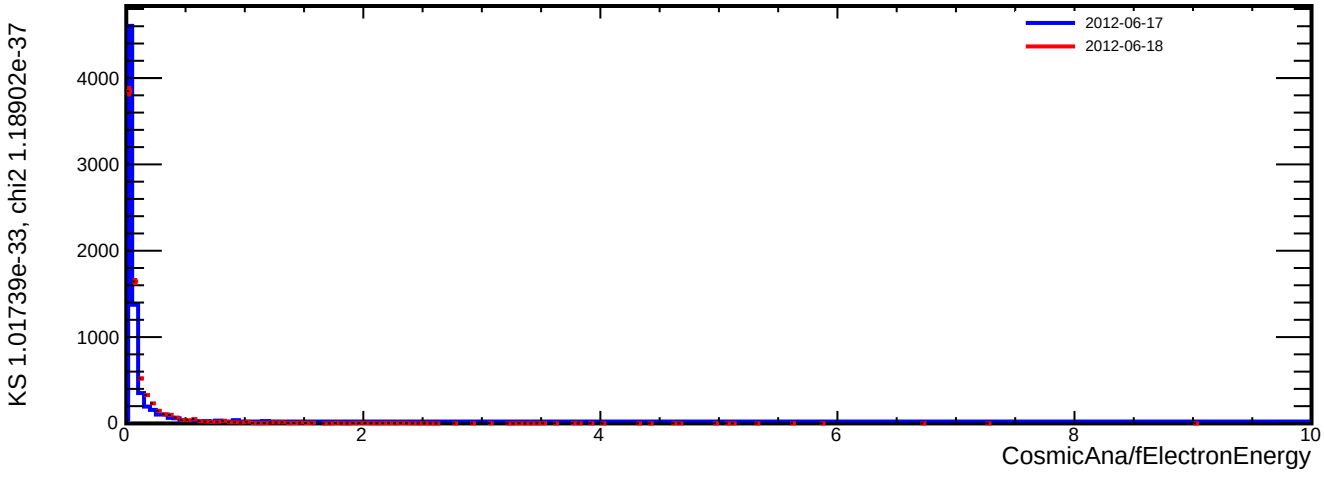

1
0.8
0.6
0.4
0.2
0
Asymmetry (New-Ref.)/(New+Ref.)
0
10000
20000
30000
40000
50000
CosmicAna/fDminHisto1
Asymmetry

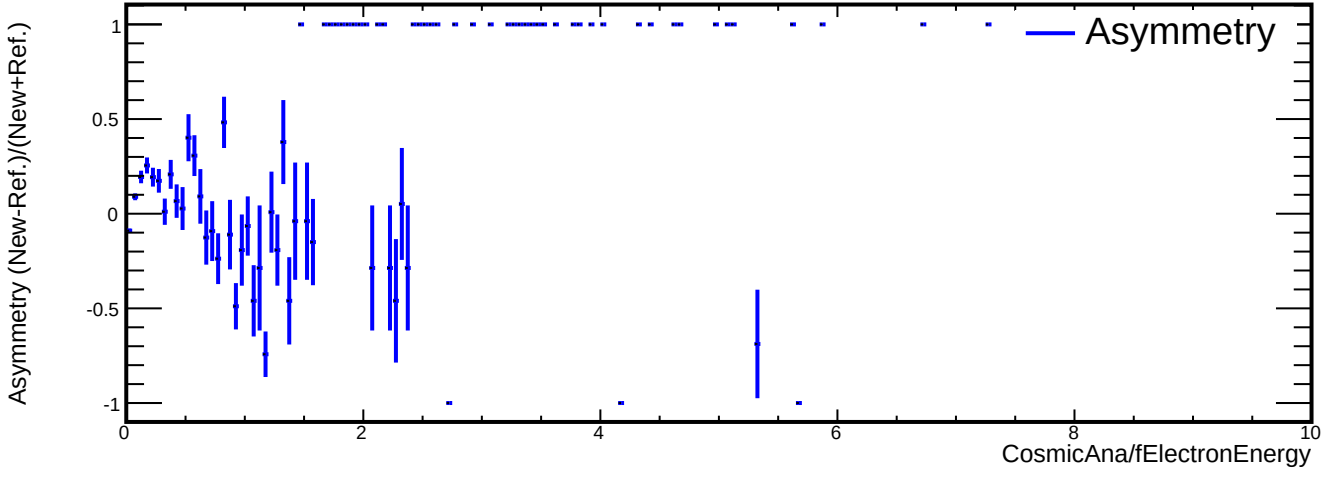

KS 0, chi2 2.60062e-93
1000
900
800
700
600
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
2012-06-17
2012-06-18
Asymmetry (New-Ref.)/(New+Ref.)
0.2
0.1
0
-0.1
-1
-0.5
0
0.5
1
CosmicAna/fPhotonCosQ
Asymmetry

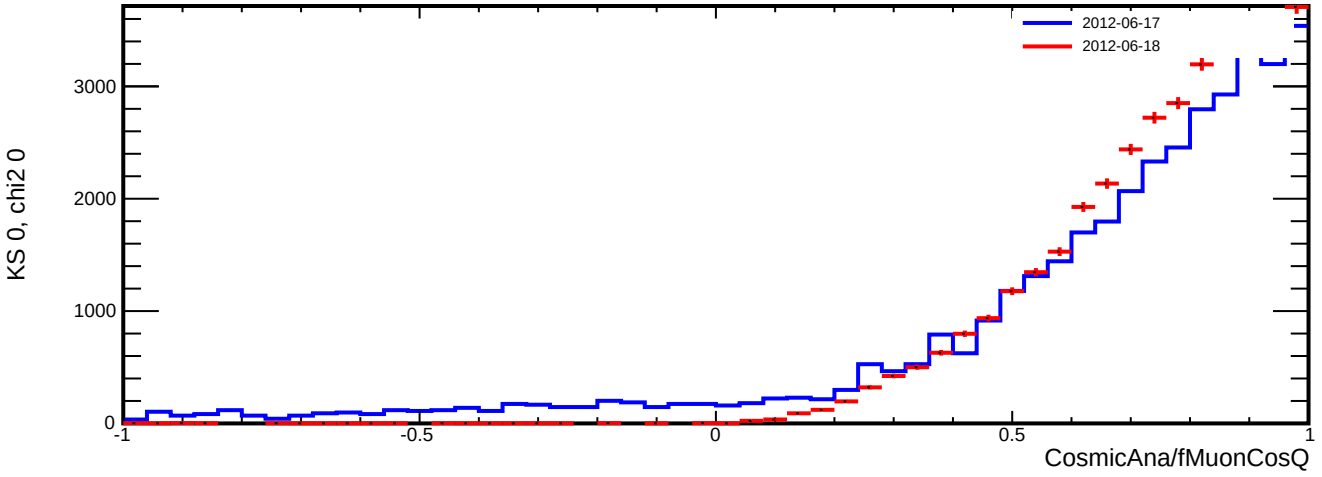

2012-06-17
2012-06-18
KS 0, chi2 2.11907e-241
30000
20000
10000
0
0
1
2
3
4
5
CosmicAna/fPhotonEnergy

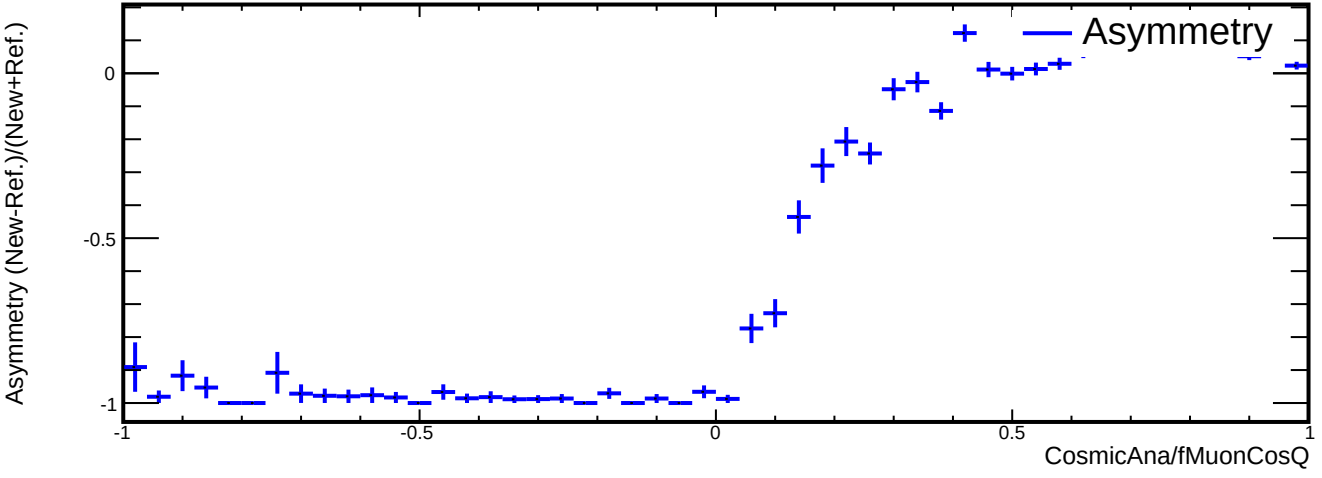

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
1
2
3
4
5
CosmicAna/fPhotonEnergy

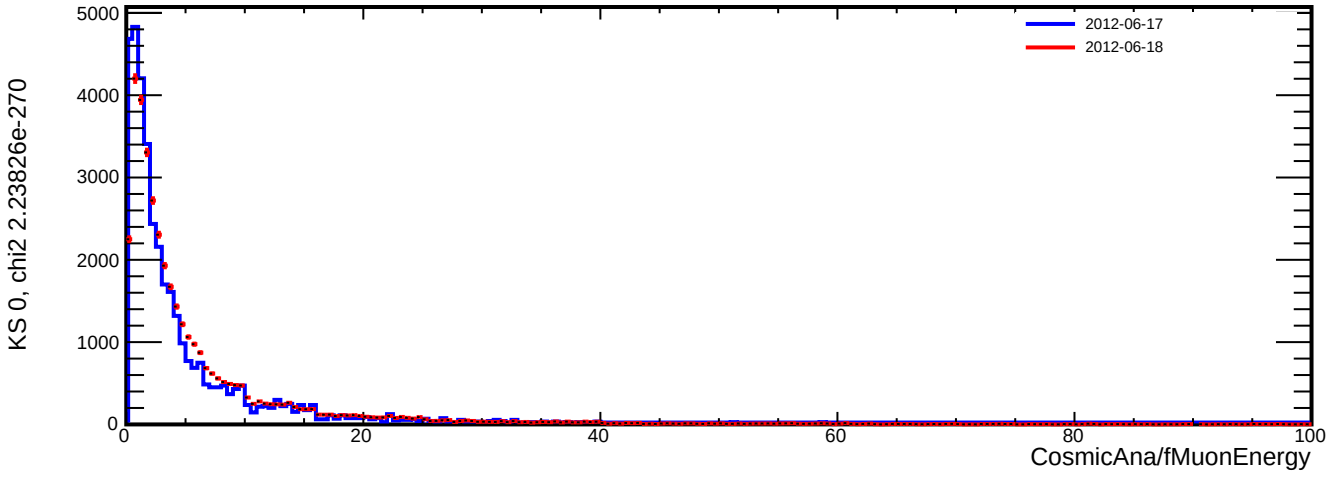

KS 1.7657e-18, chi2 9.54414e-25
2012-06-17
2012-06-18
400
300
200
100
-1
-0.5
0
0.5
1
CosmicAna/fElectronCosQ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0
-0.2
-1
-0.5
0
0.5
1
CosmicAna/fElectronCosQ

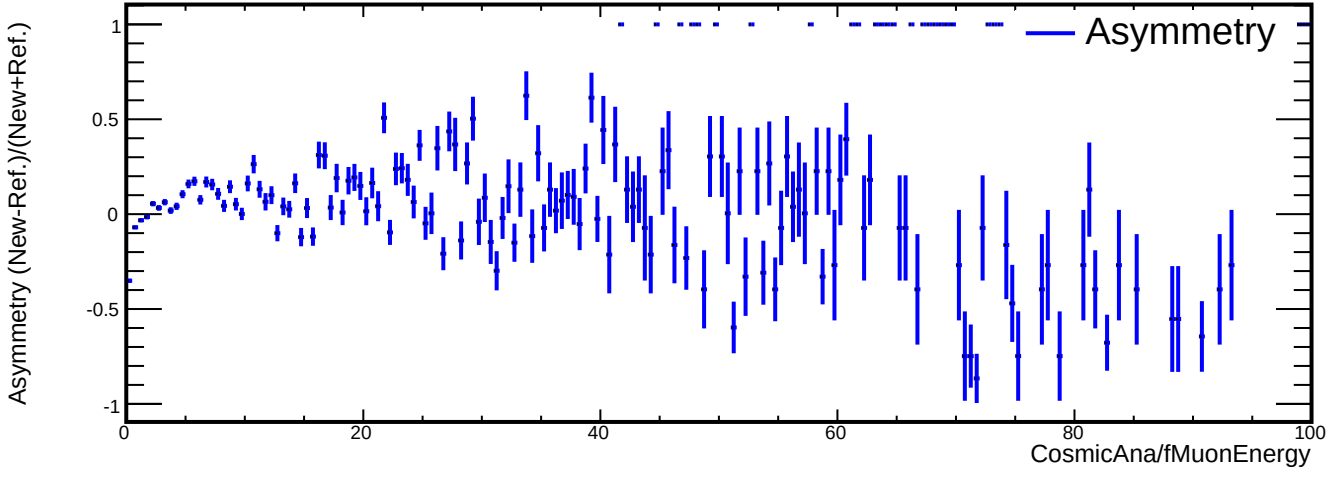

KS 1.01739e-33, chi2 1.18902e-37
2012-06-17
2012-06-18
4000
3000
2000
1000
0
0
2
4
6
8
10
CosmicAna/fElectronEnergy

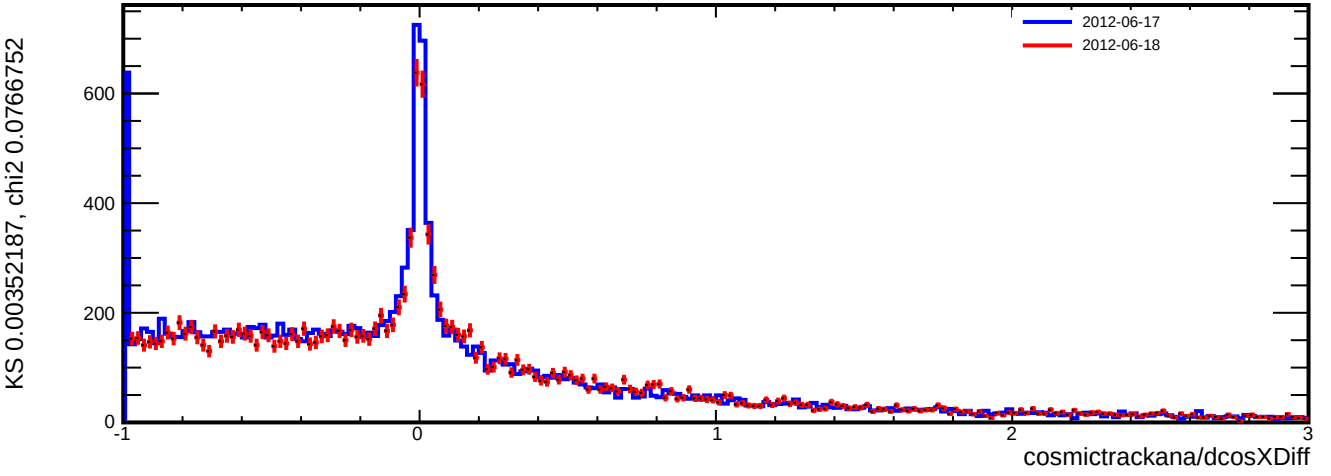

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
2
4
6
8
10
CosmicAna/fElectronEnergy

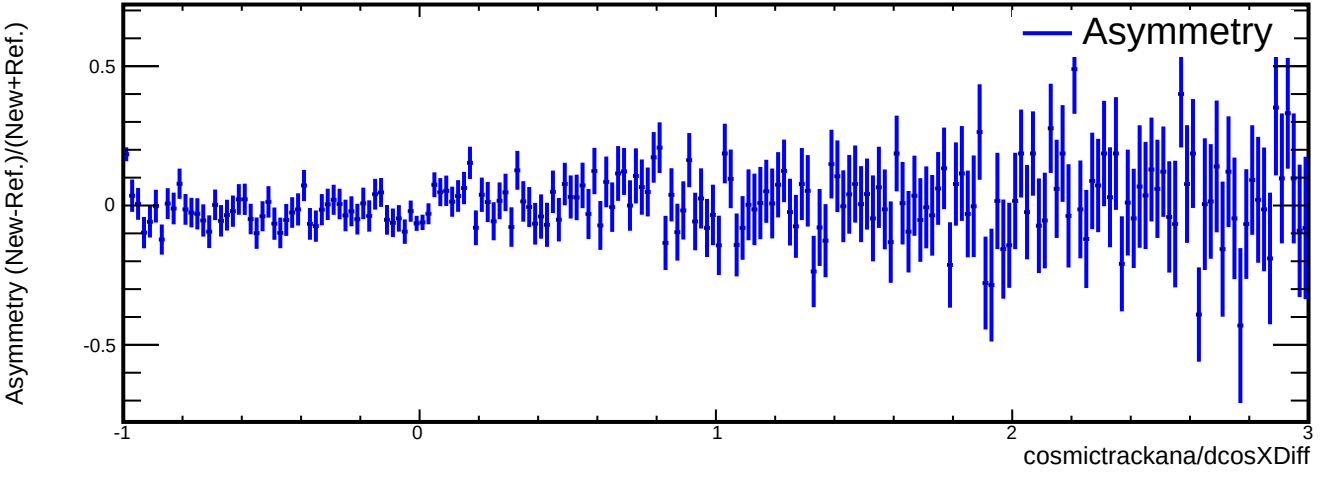

2012-06-17
2012-06-18
KS 0, chi2 0
3000
2000
1000
0
-1
-0.5
0
0.5
1
CosmicAna/fMuonCosQ

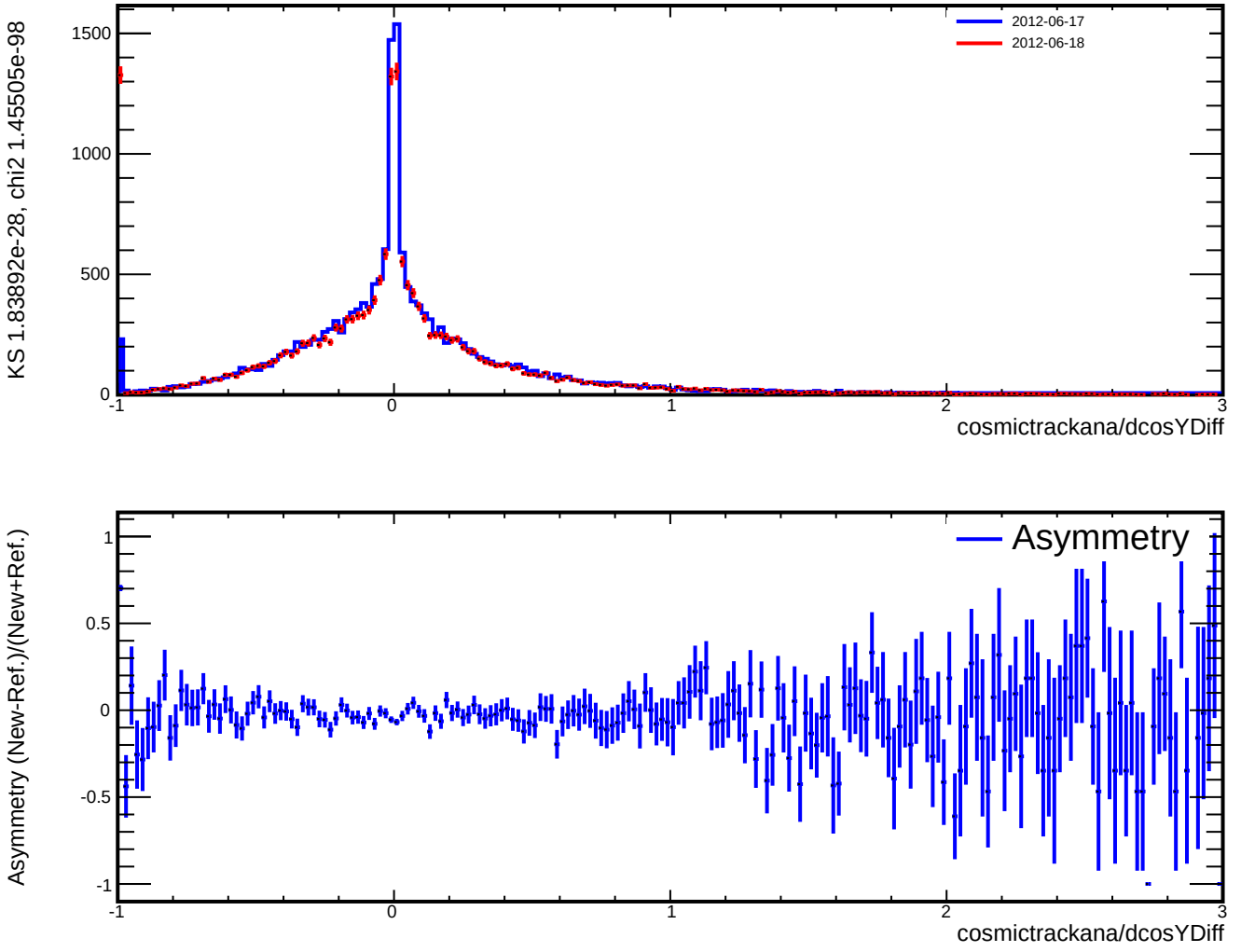

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
-1
-0.5
0
0.5
1
CosmicAna/fMuonCosQ

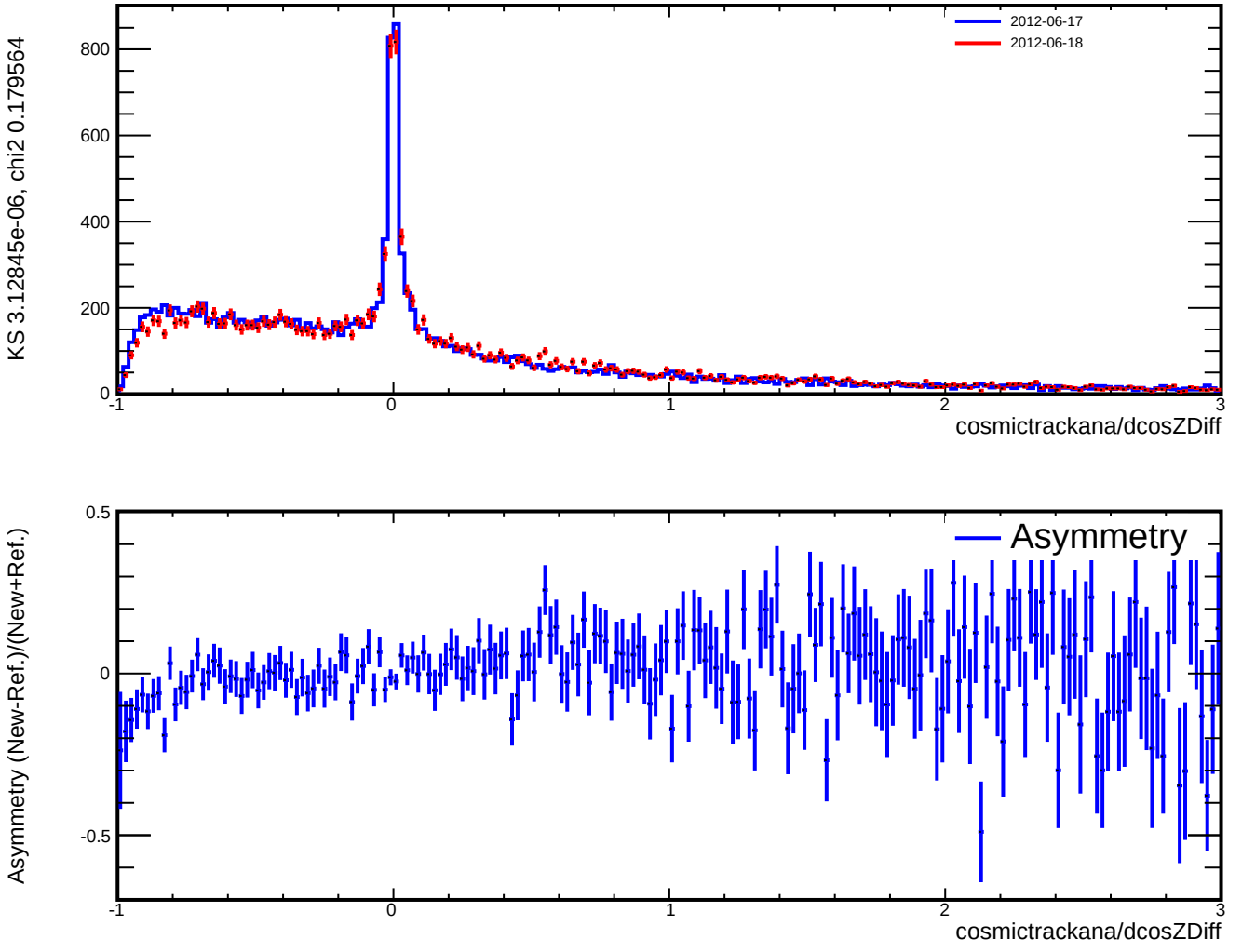

KS 0, chi2 2.23826e-270
5000
4000
3000
2000
1000
0
0
20
40
60
80
100
CosmicAna/fMuonEnergy
2012-06-17
2012-06-18

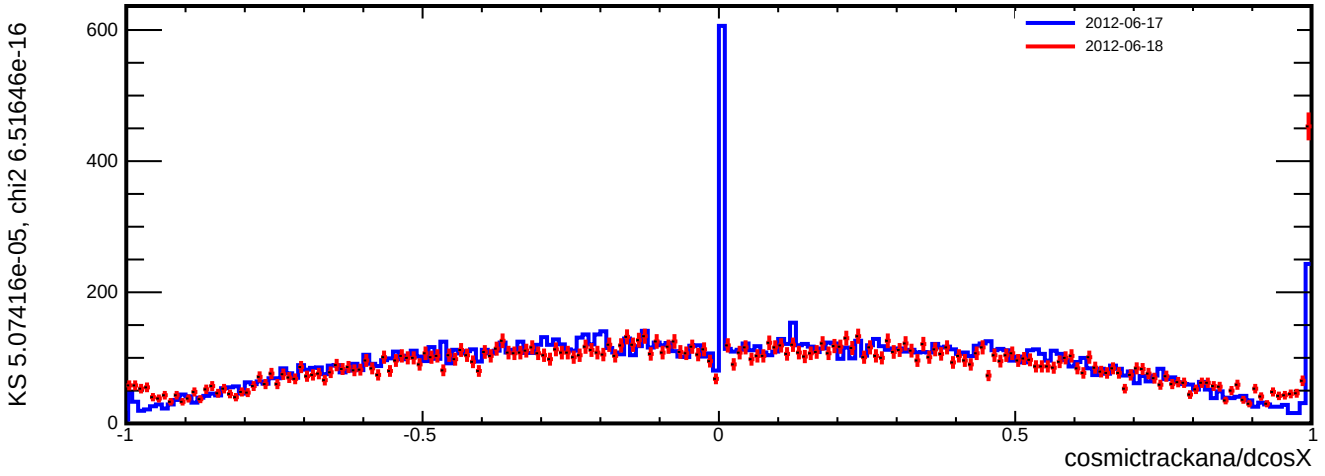

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
20
40
60
80
100
CosmicAna/fMuonEnergy
Asymmetry

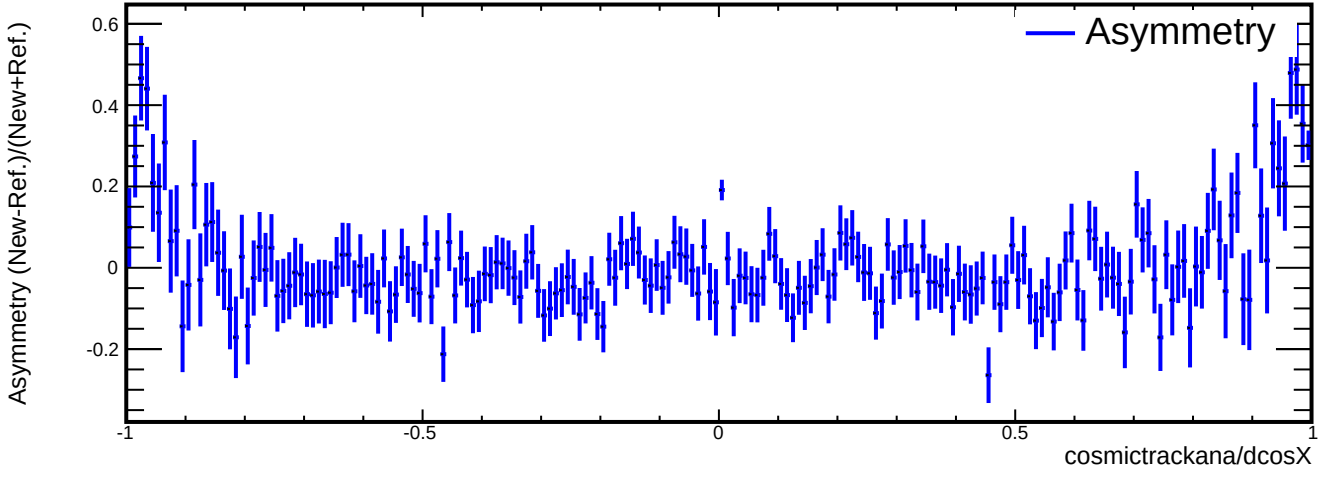

KS 0.00352187, chi2 0.0766752
2012-06-17
2012-06-18
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosXDiff

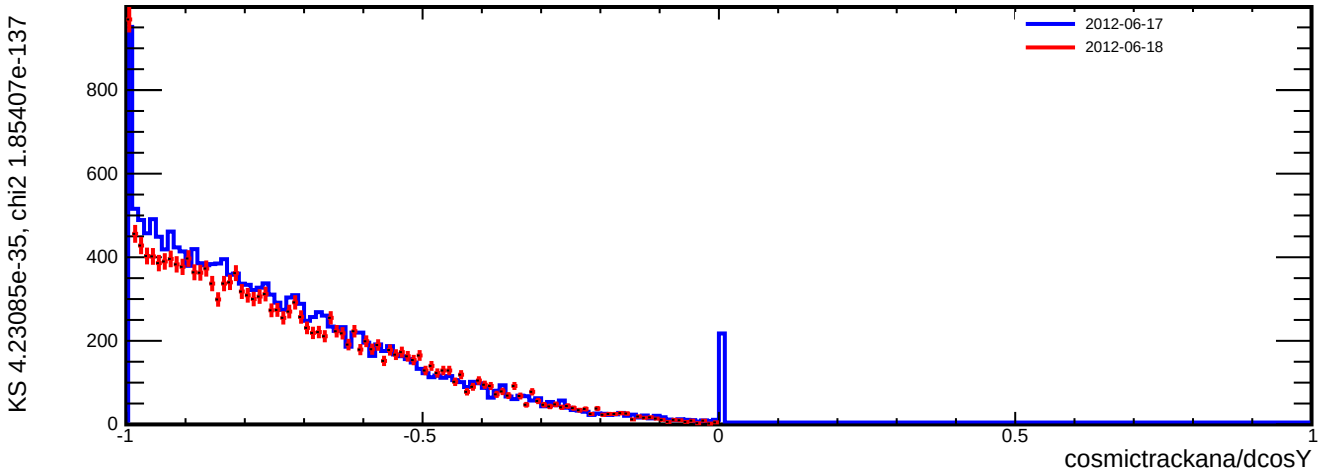

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosXDiff

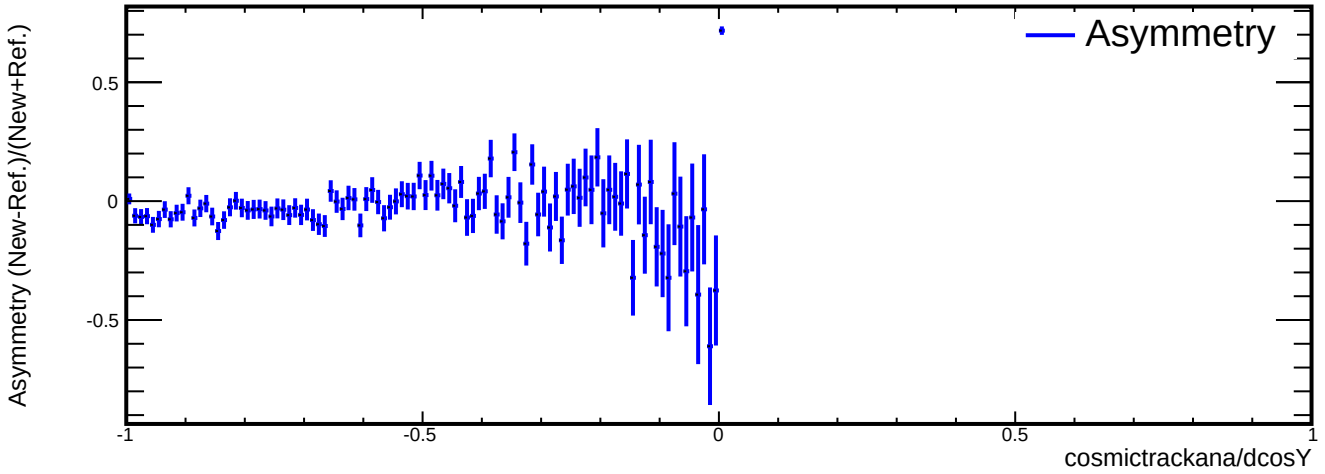

KS 1.83892e-28, chi2 1.45505e-98
2012-06-17
2012-06-18
cosmictrackana/dcosYDiff
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dcosYDiff

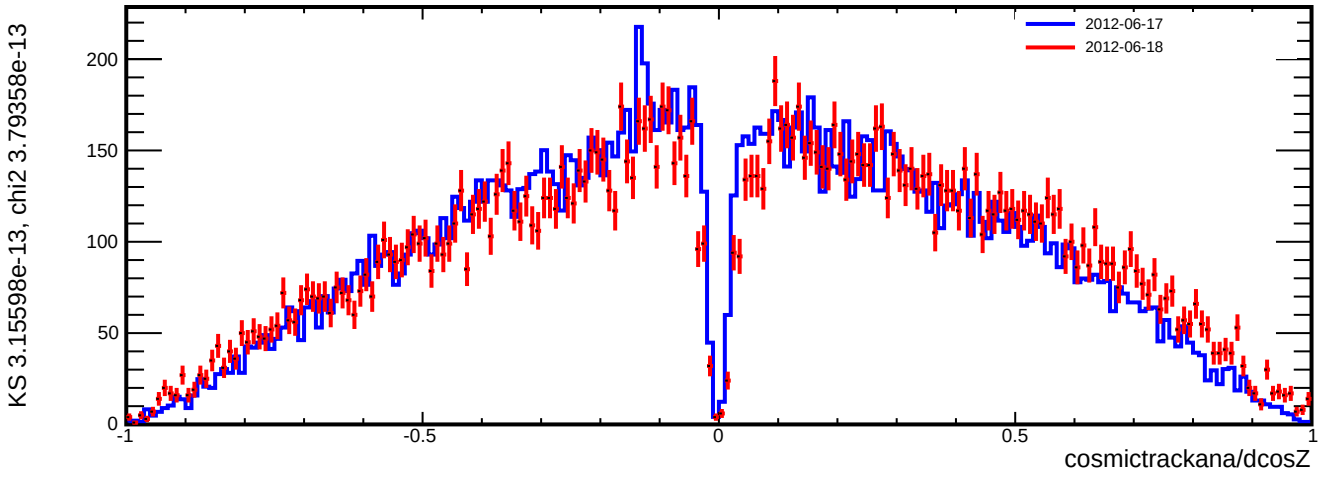

KS 3.12845e-06, chi2 0.179564
2012-06-17
2012-06-18
cosmictrackana/dcosZDiff
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dcosZDiff

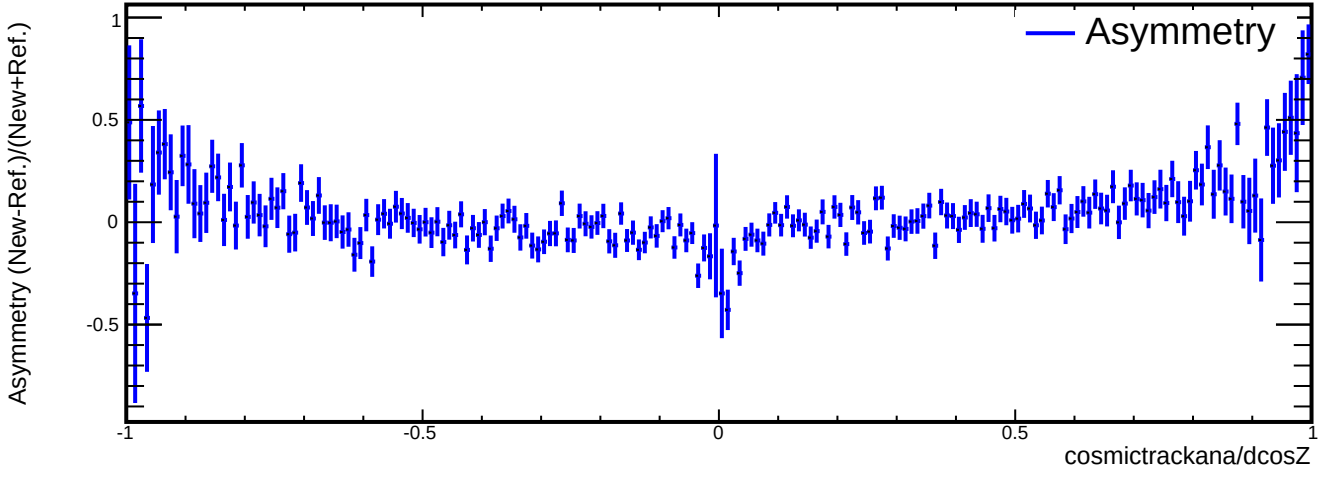

KS 5.07416e-05, chi2 6.51646e-16
2012-06-17
2012-06-18
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosX

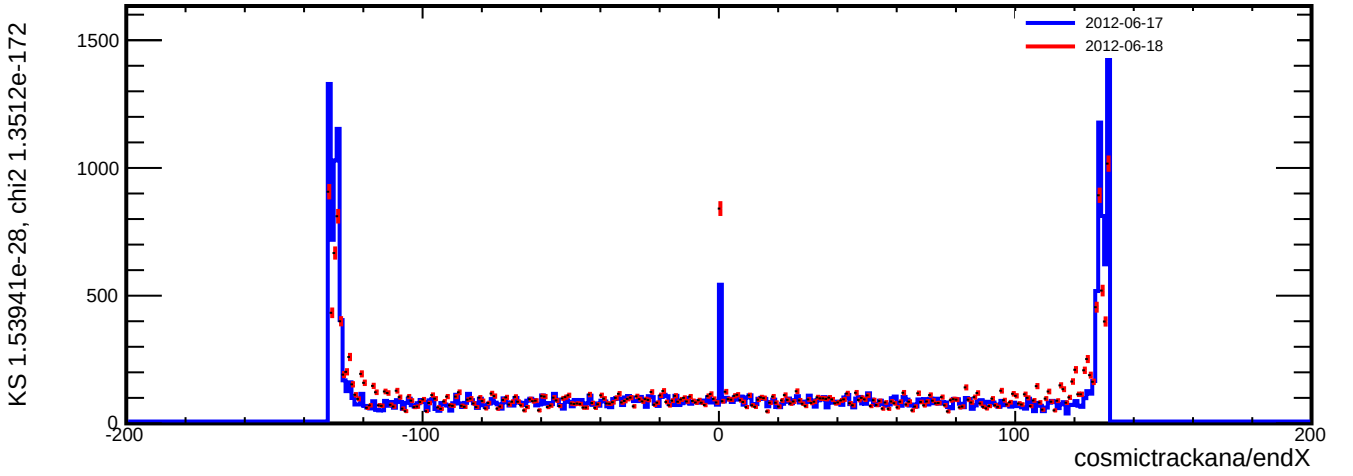

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.6
0.4
0.2
0
-0.2
-1
-0.5
0
0.5
1
cosmictrackana/dcosX

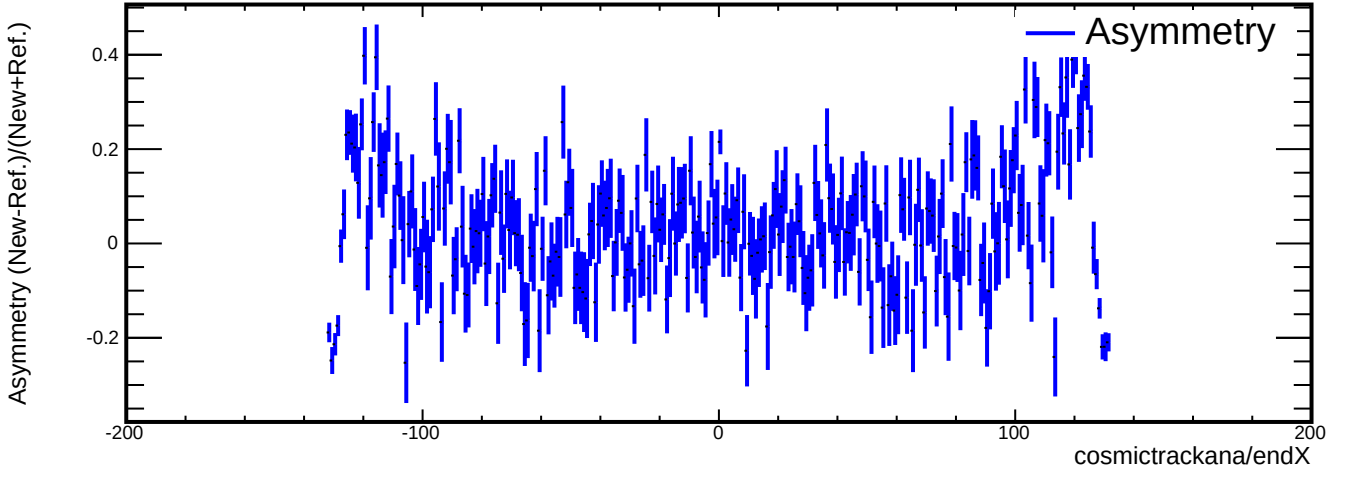

KS 4.23085e-35, chi2 1.85407e-137
2012-06-17
2012-06-18
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosY

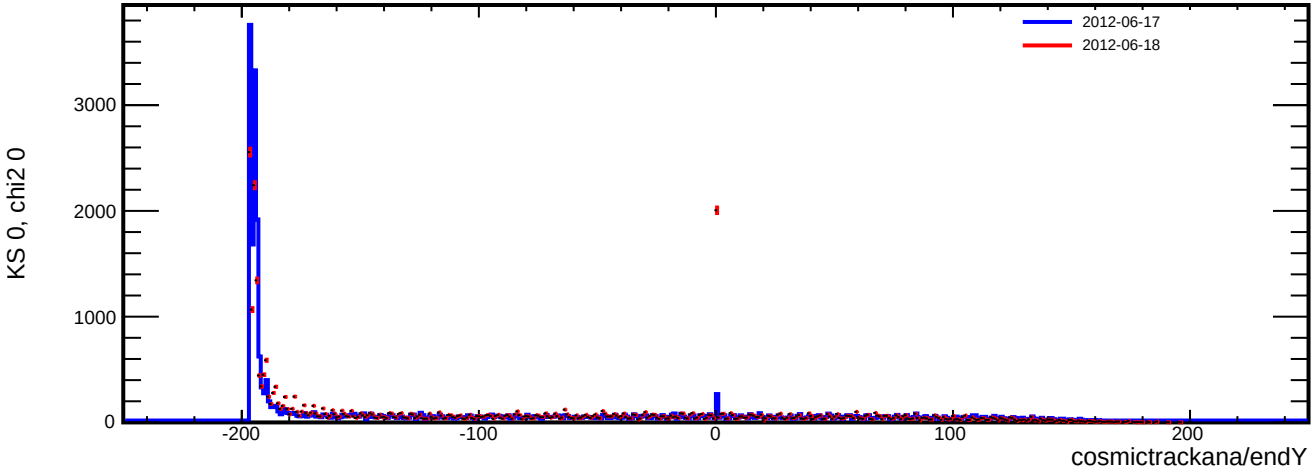

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dcosY

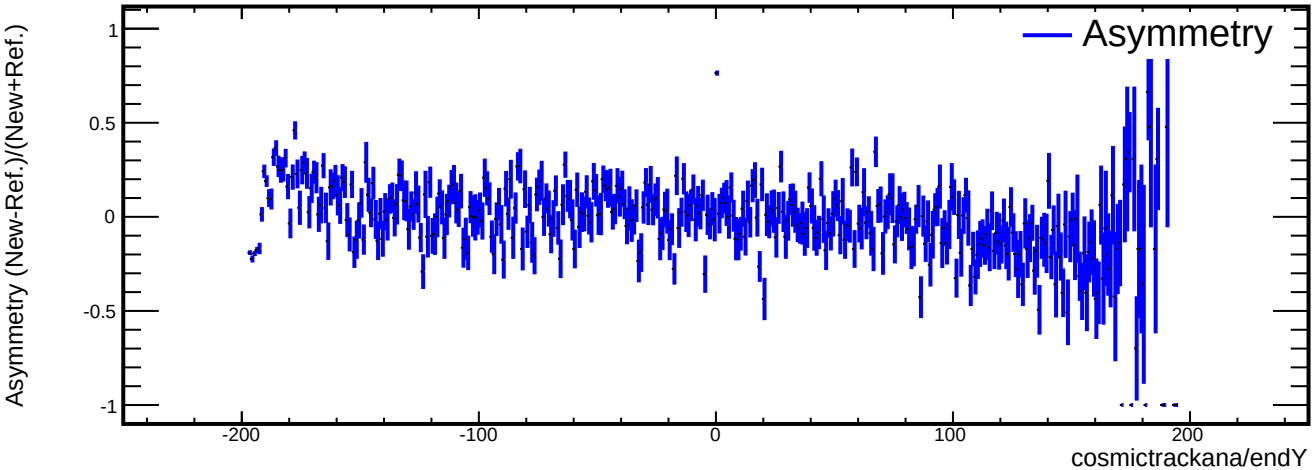

KS 3.15598e-13, chi2 3.79358e-13
2012-06-17
2012-06-18
200
150
100
50
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosZ

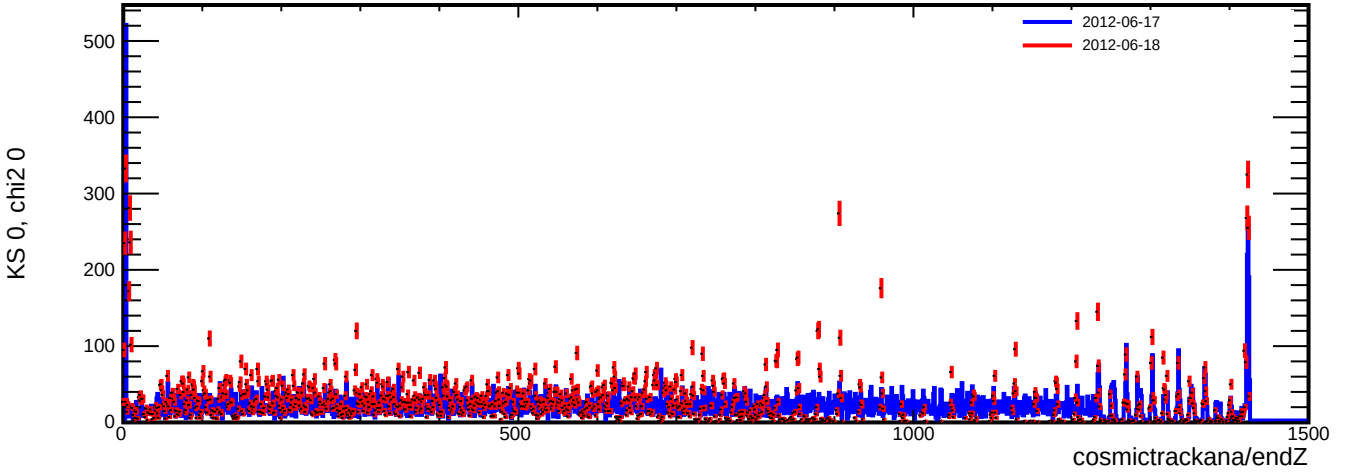

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dcosZ

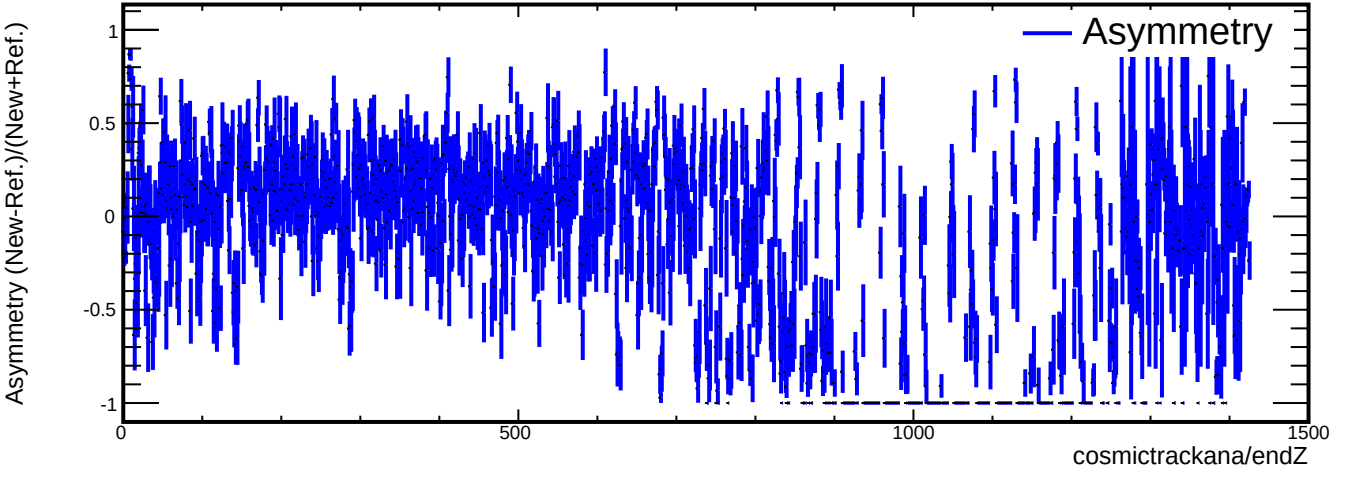

KS 1.53941e-28, chi2 1.3512e-172
2012-06-17
2012-06-18
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endX

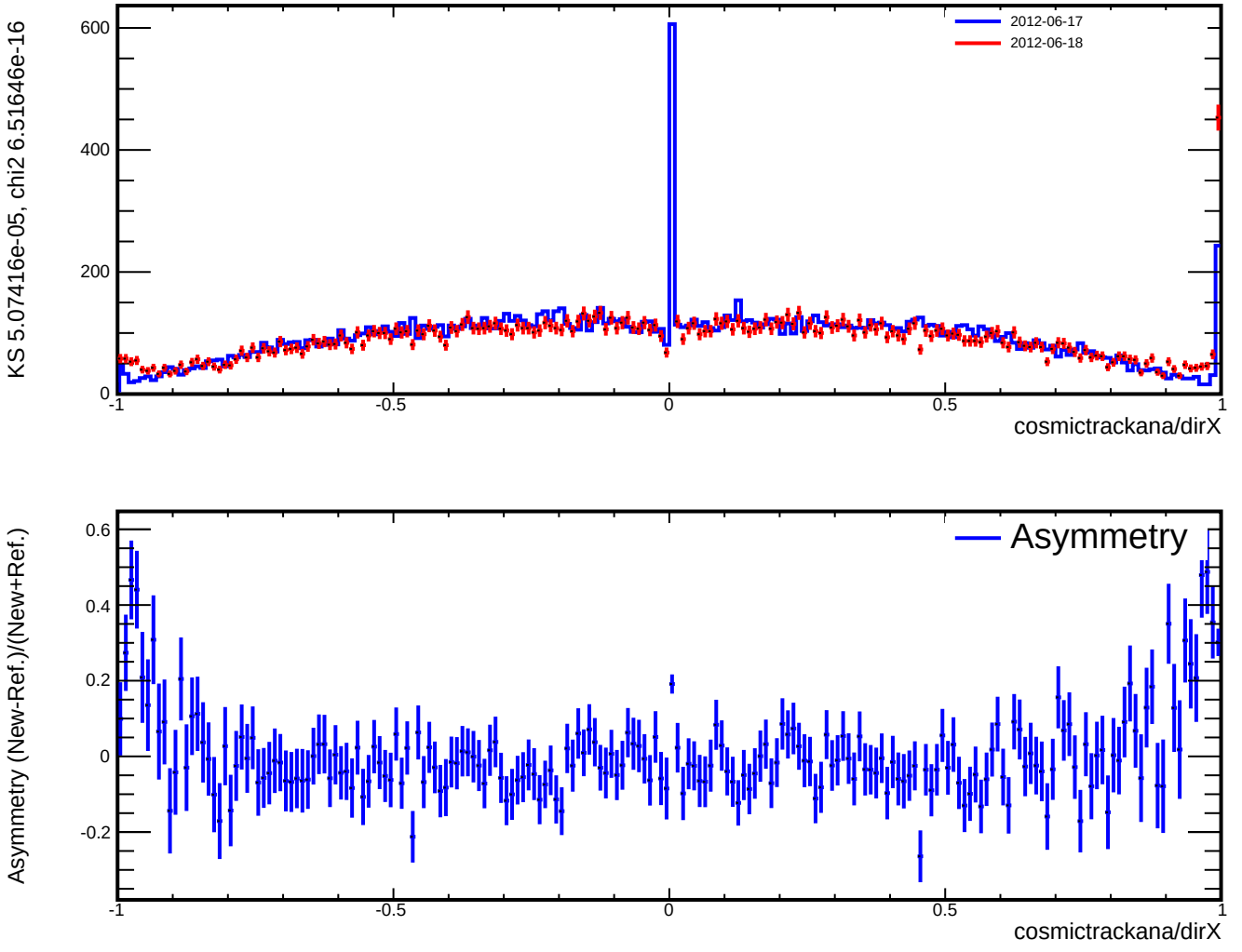

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-200
-100
0
100
200
cosmictrackana/endX

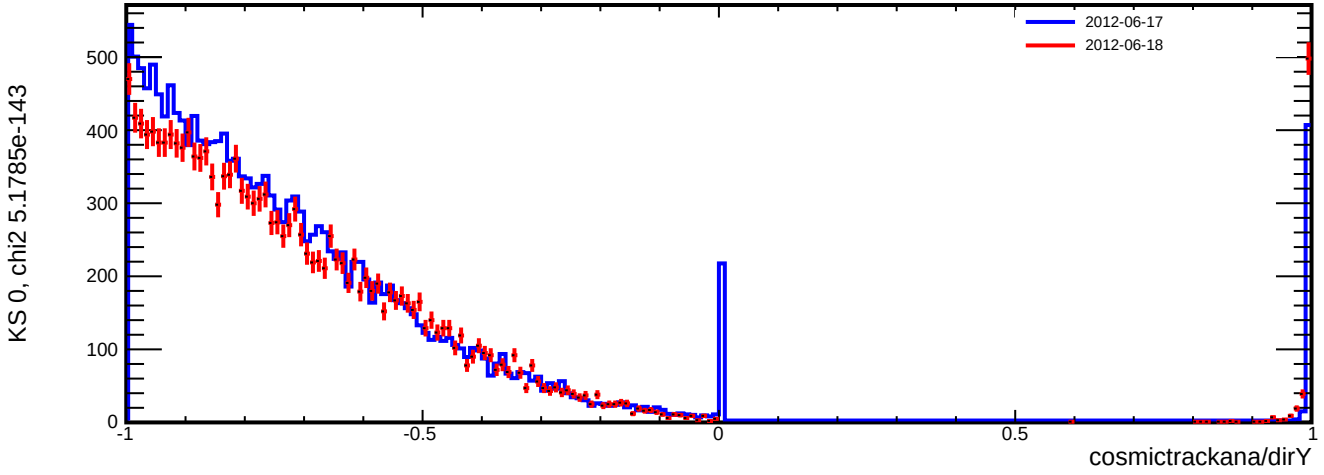

2012-06-17
2012-06-18
KS 0, chi2 0
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/endY

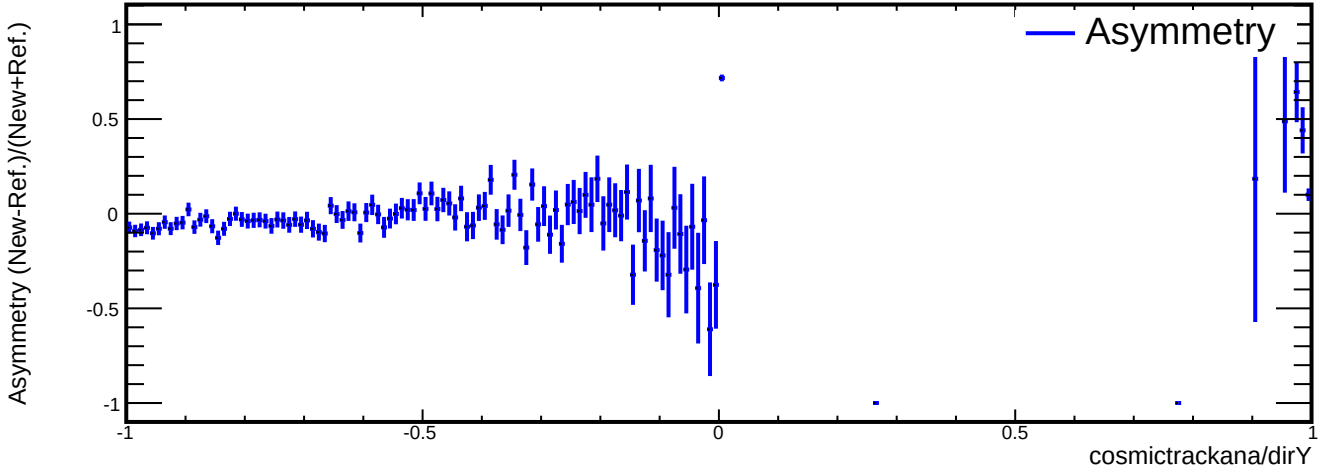

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/endY

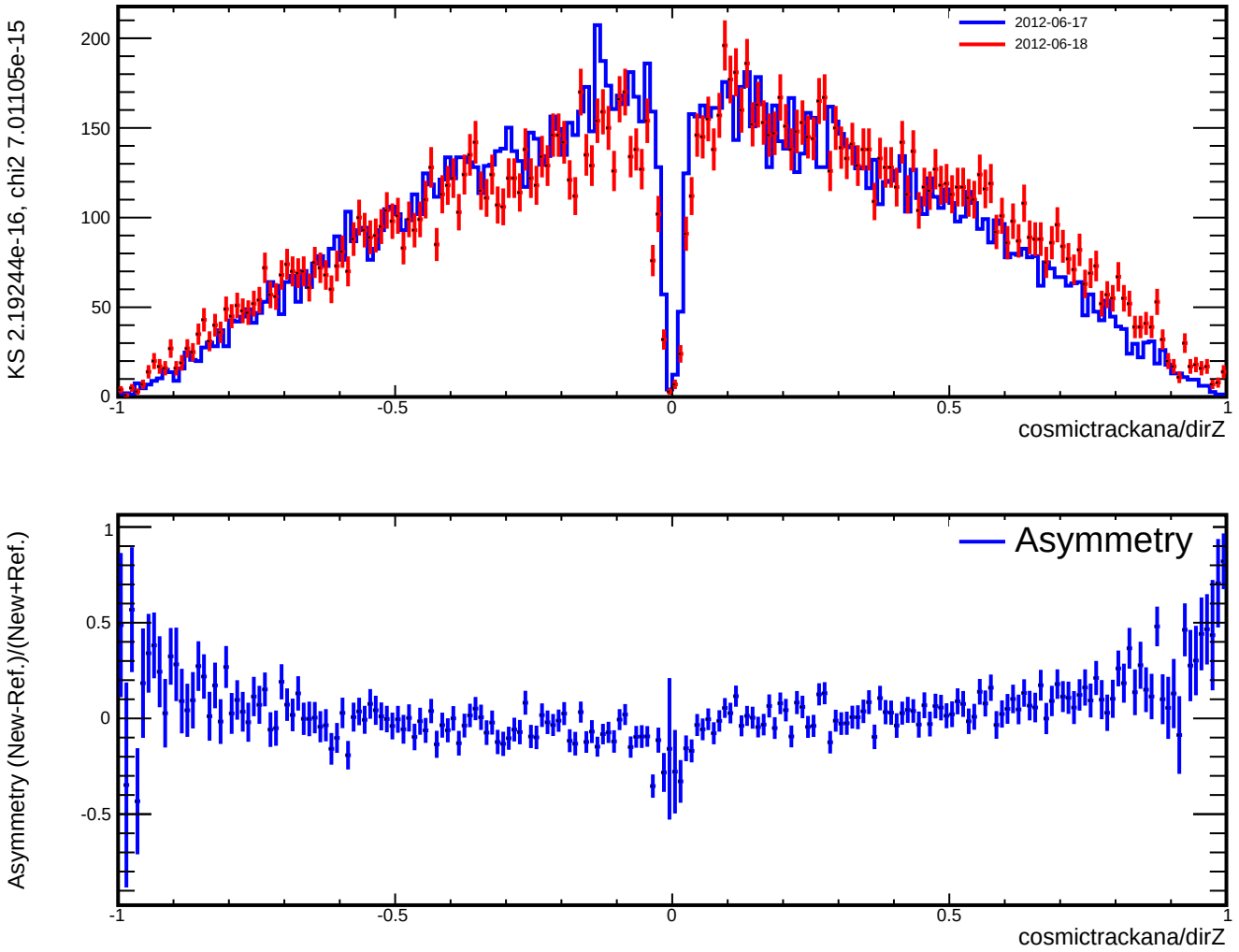

2012-06-17
2012-06-18
KS 0, chi2 0
500
400
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

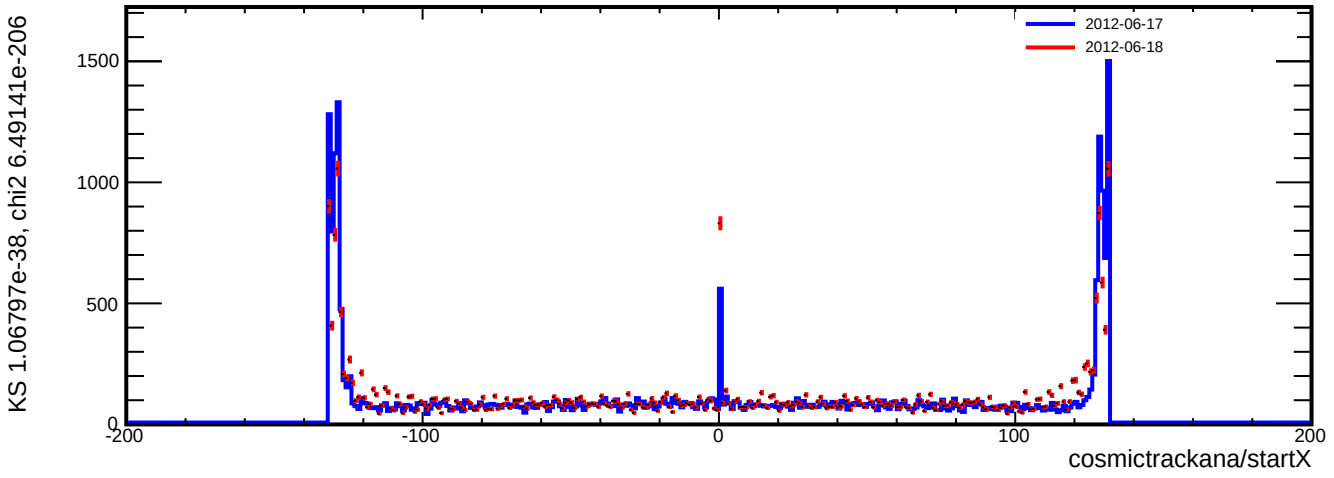

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

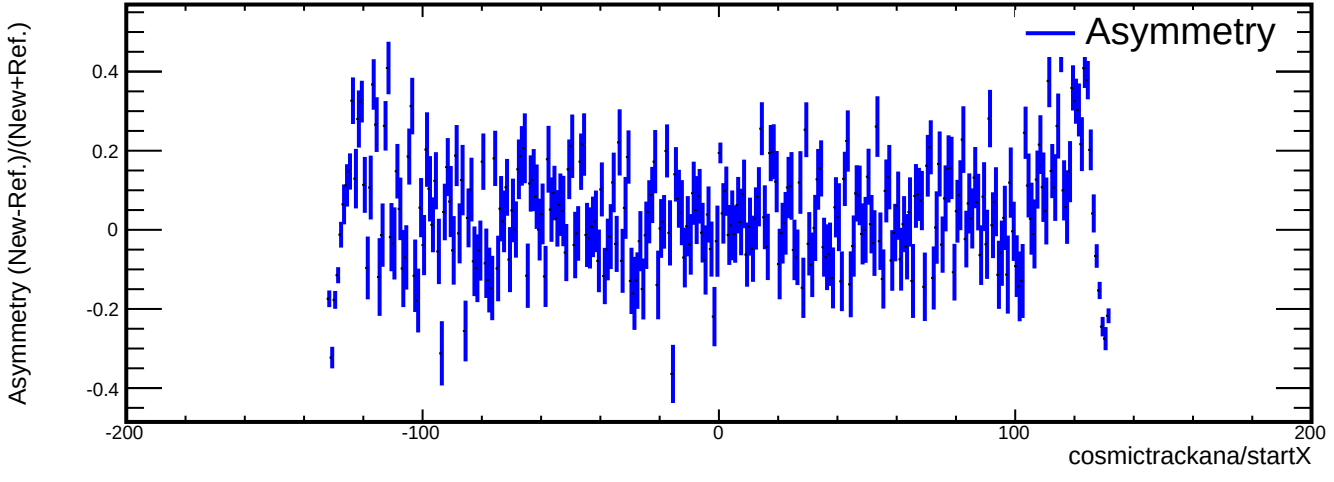

KS 5.07416e-05, chi2 6.51646e-16
2012-06-17
2012-06-18
cosmictrackana/dirX
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dirX

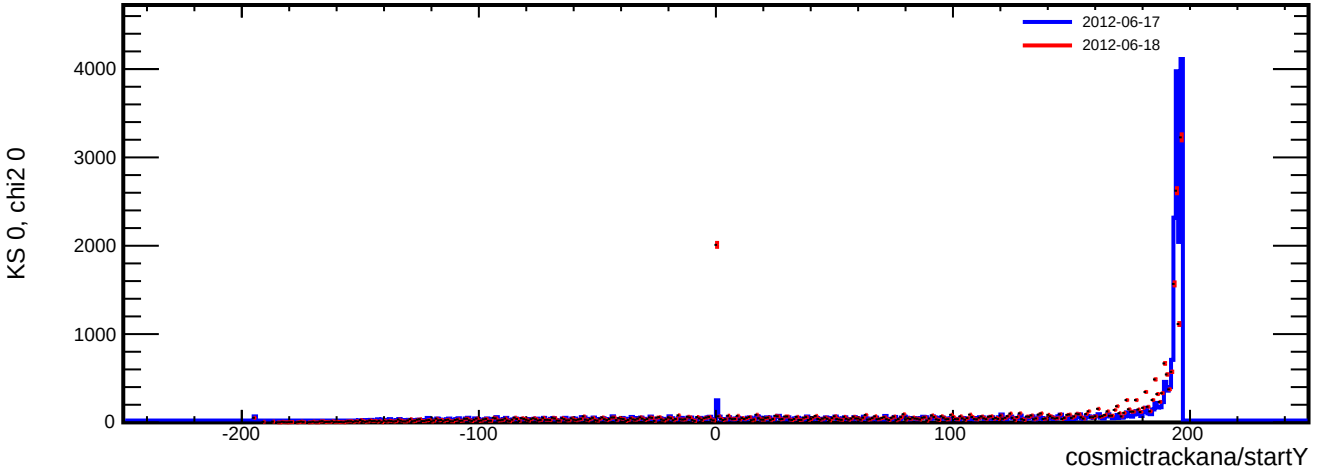

KS 0, chi2 5.1785e-143
2012-06-17
2012-06-18
500
400
300
200
100
0
-1
-0.5
0
0.5
1
cosmictrackana/dirY

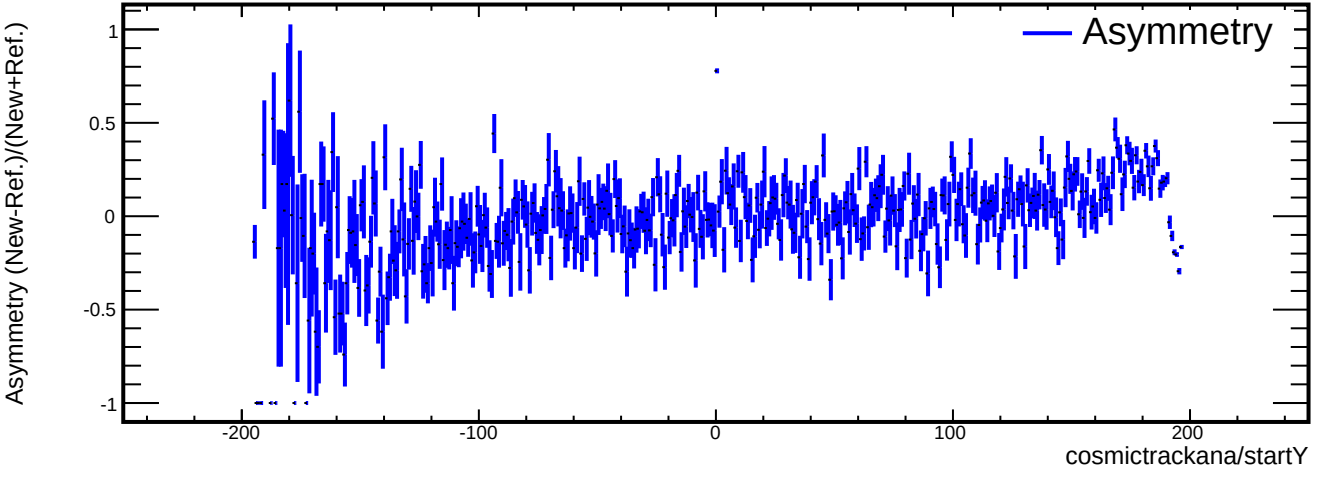

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1
-0.5
0
0.5
1
cosmictrackana/dirY

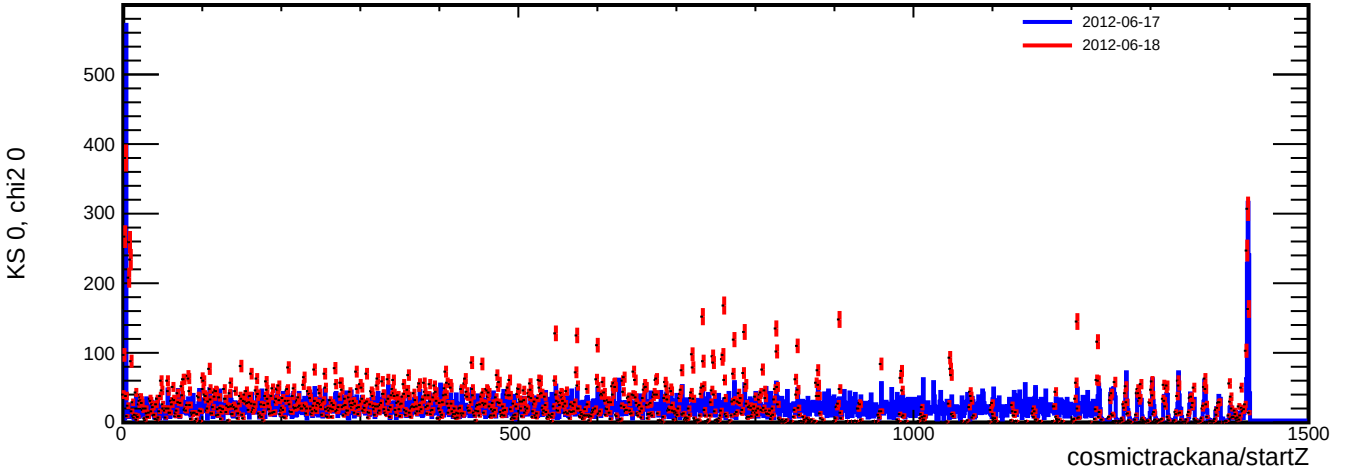

KS 2.19244e-16, chi2 7.01105e-15
2012-06-17
2012-06-18
cosmictrackana/dirZ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dirZ

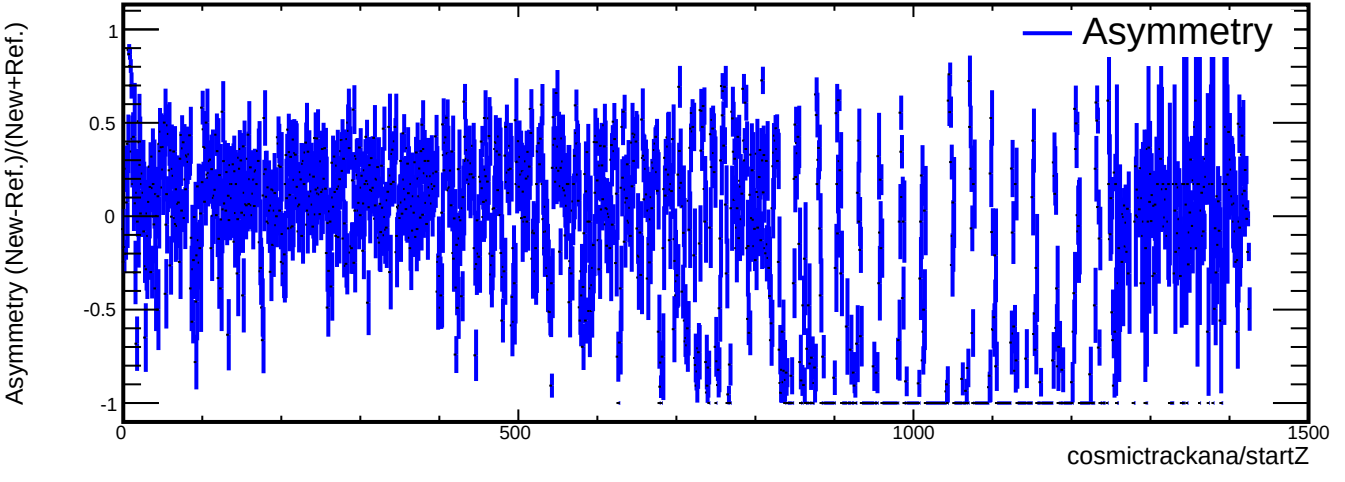

KS 1.06797e-38, chi2 6.49141e-206
2012-06-17
2012-06-18
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/startX

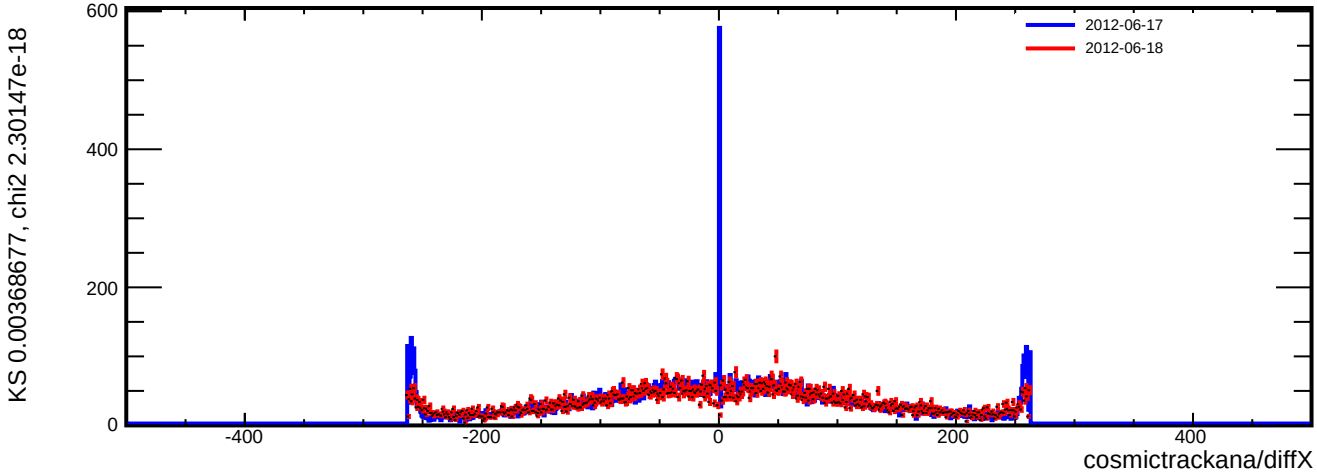

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
-0.4
-200
-100
0
100
200
cosmictrackana/startX

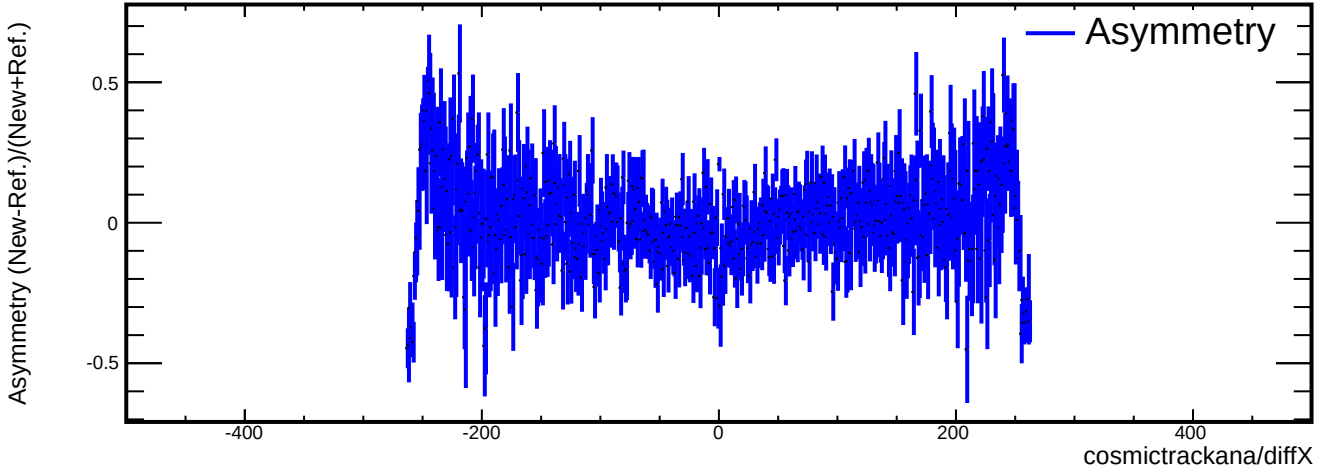

2012-06-17
2012-06-18
KS 0, chi2 0
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

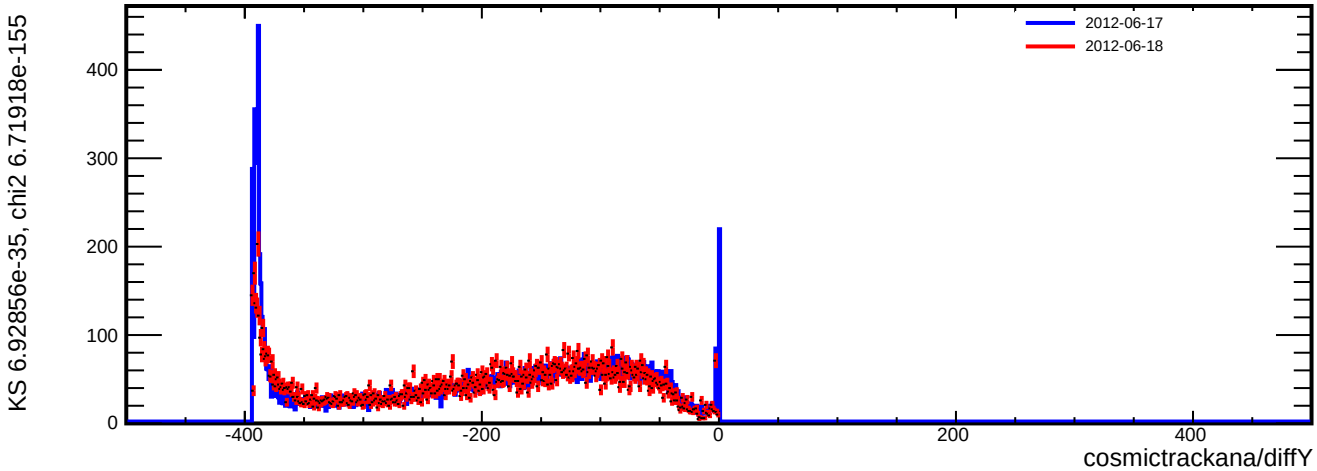

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/startY

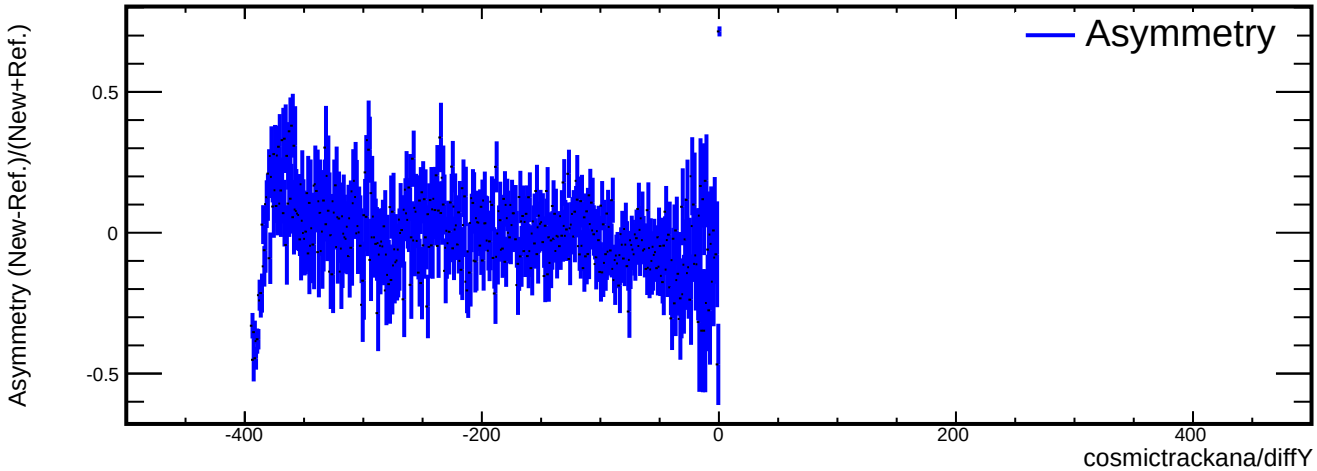

2012-06-17
2012-06-18
KS 0, chi2 0
0
100
200
300
400
500
0
500
1000
1500
cosmictrackana/startZ

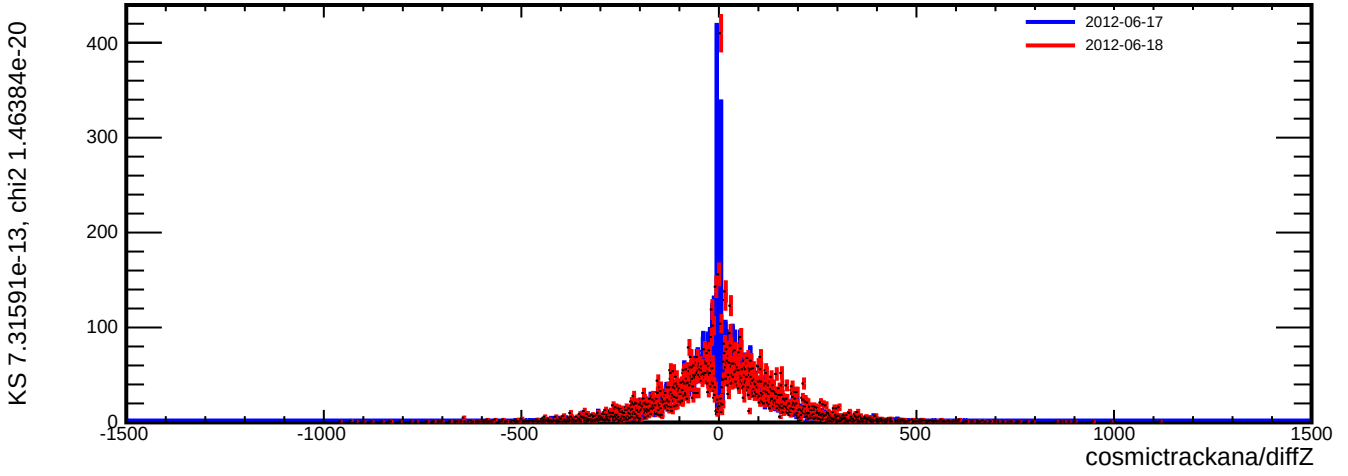

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

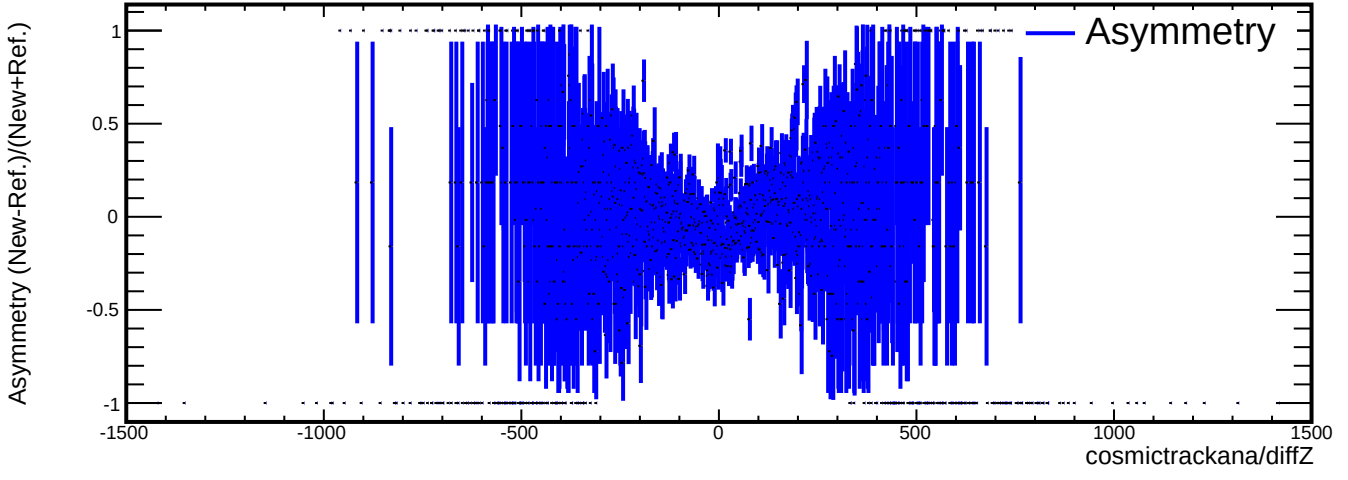

KS 0.00368677, chi2 2.30147e-18
600
400
200
0
-400
-200
0
200
400
cosmictrackana/diffX
2012-06-17
2012-06-18

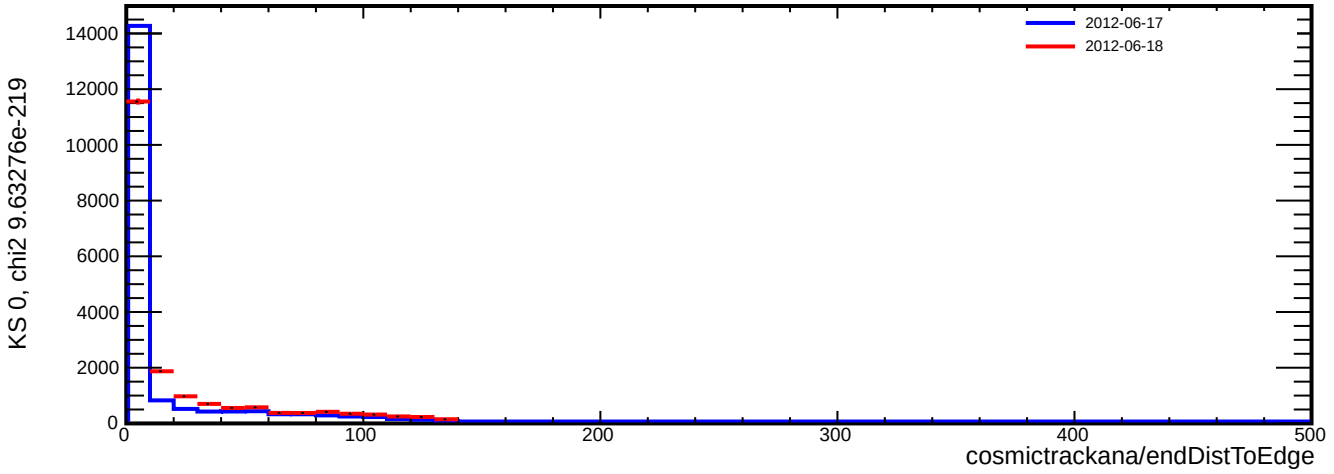

Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-400
-200
0
200
400
cosmictrackana/diffX
Asymmetry

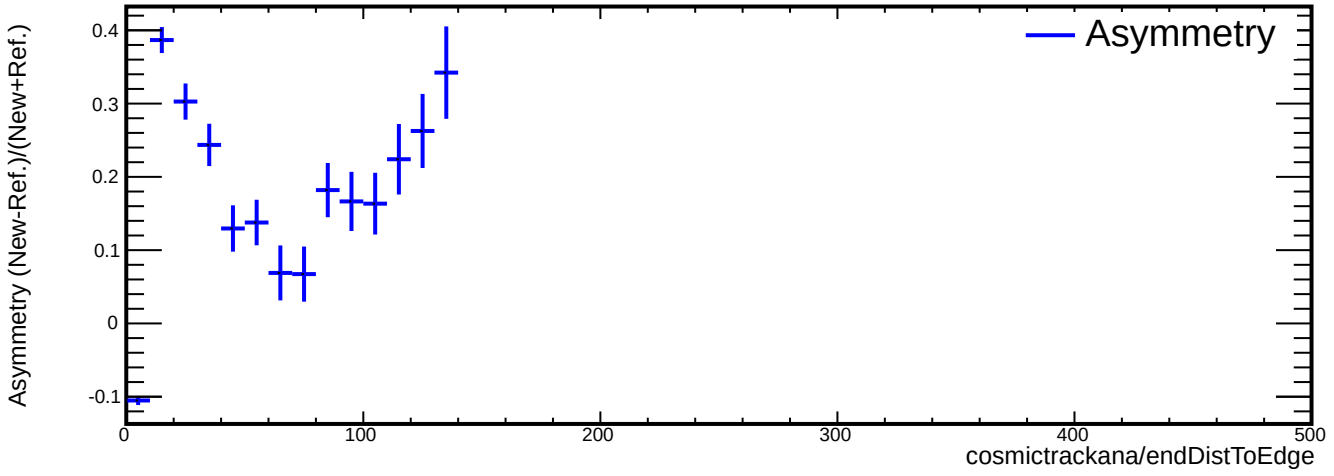

KS 6.92856e-35, chi2 6.71918e-155
2012-06-17
2012-06-18
400
300
200
100
0
-400
-200
0
200
400
cosmictrackana/diffY

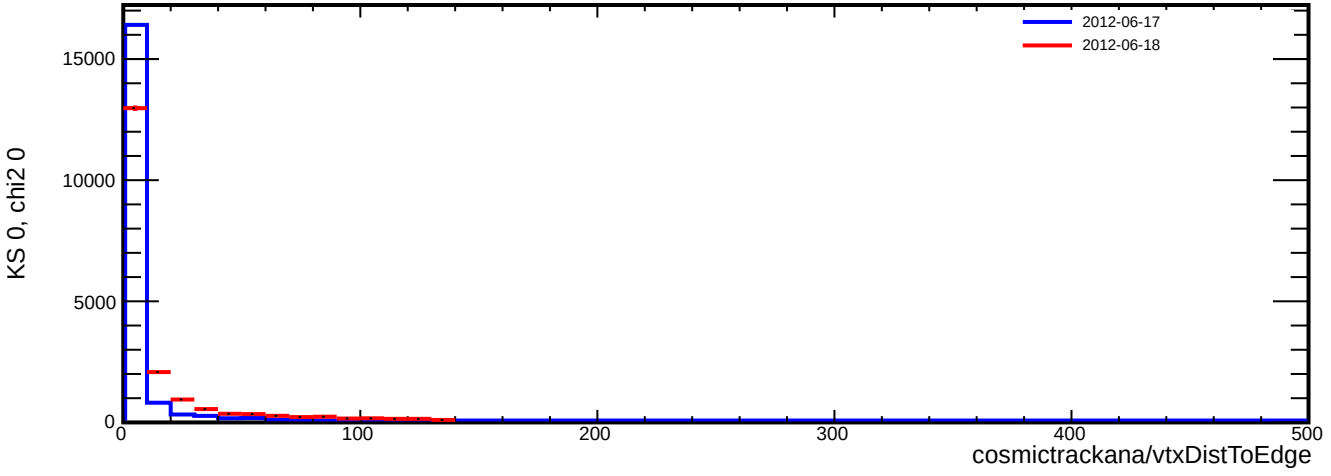

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.5
0
-0.5
-400
-200
0
200
400
cosmictrackana/diffY

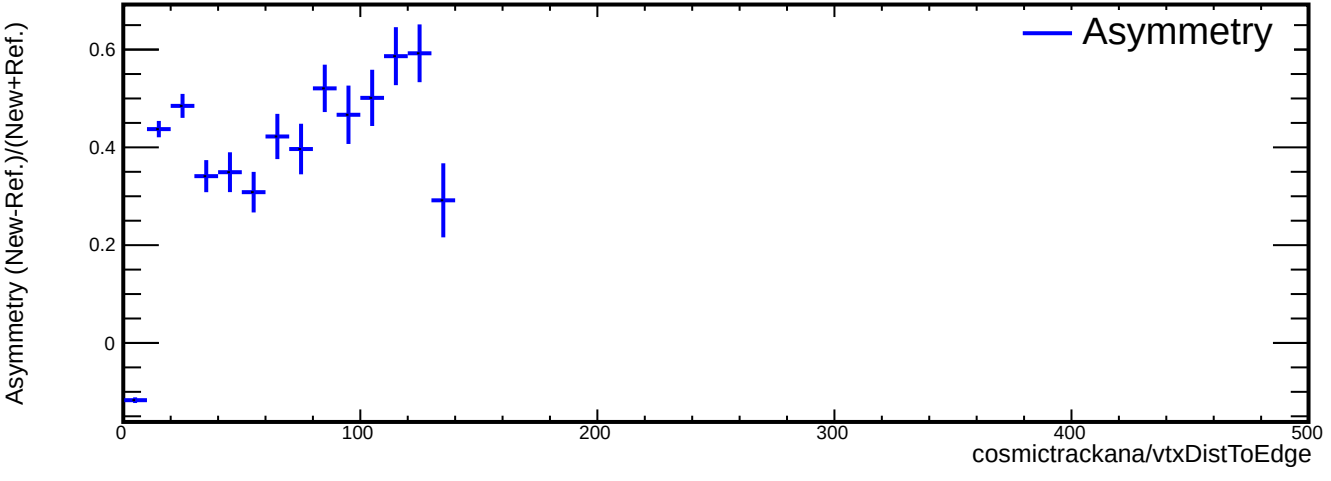

KS 7.31591e-13, chi2 1.46384e-20
2012-06-17
2012-06-18
400
300
200
100
0
-1500
-1000
-500
0
500
1000
1500
cosmictrackana/diffZ

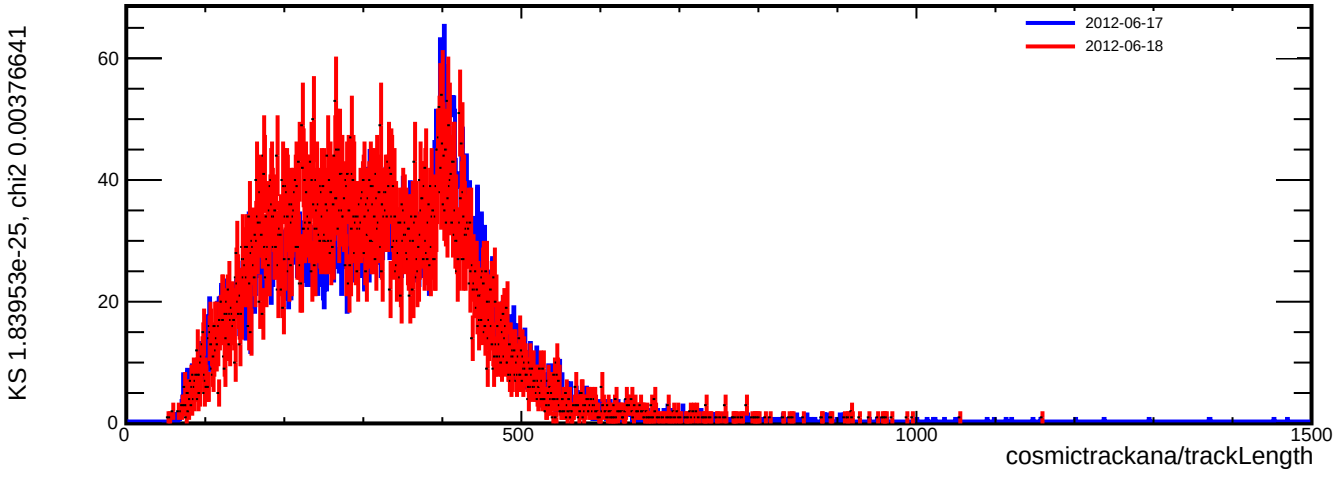

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-1500
-1000
-500
0
500
1000
1500
cosmictrackana/diffZ

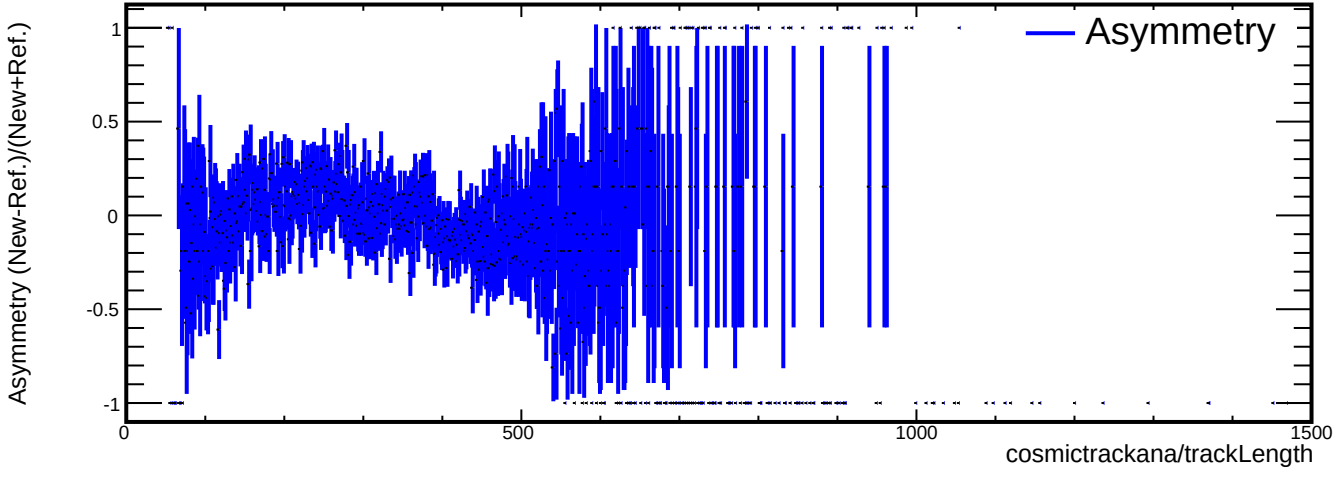

KS 0, chi2 9.63276e-219
2012-06-17
2012-06-18
14000
12000
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
cosmictrackana/endDistToEdge

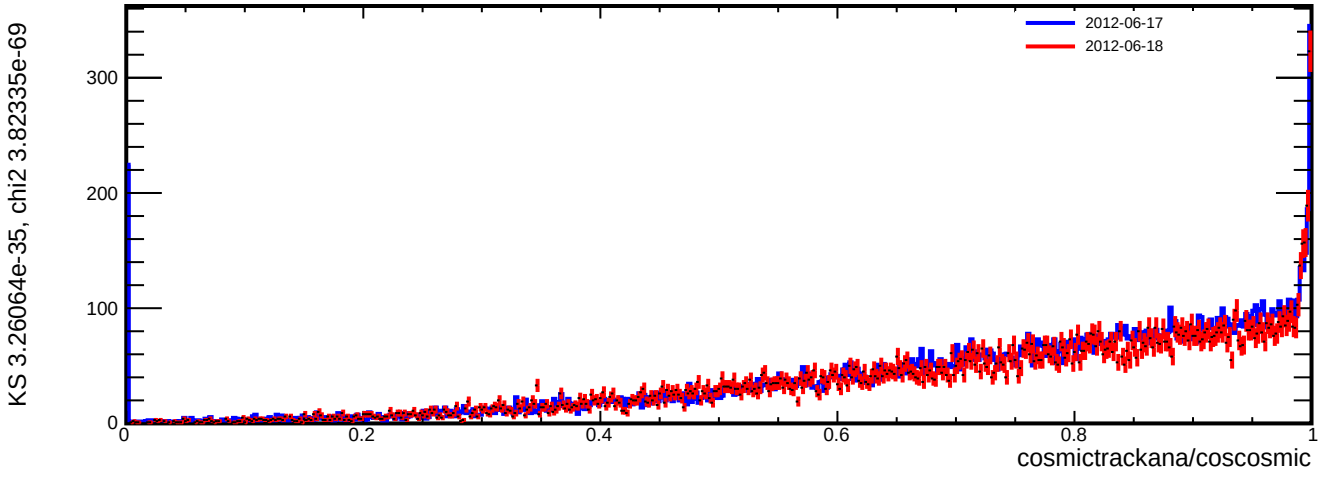

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.3
0.2
0.1
0
-0.1
0
100
200
300
400
500
cosmictrackana/endDistToEdge

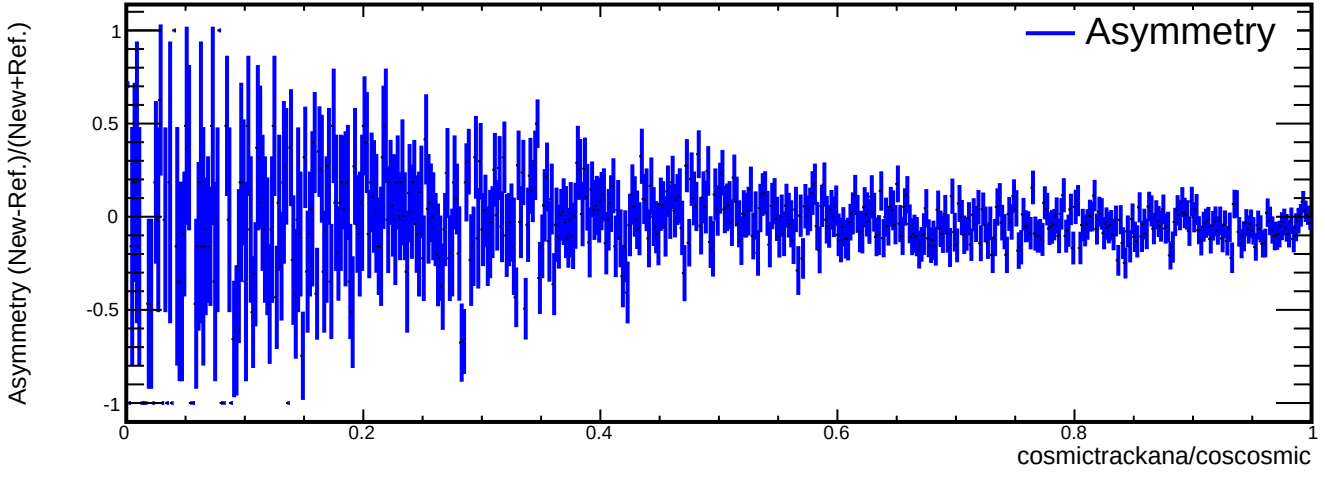

2012-06-17
2012-06-18
KS 0, chi2 0
15000
10000
5000
0
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

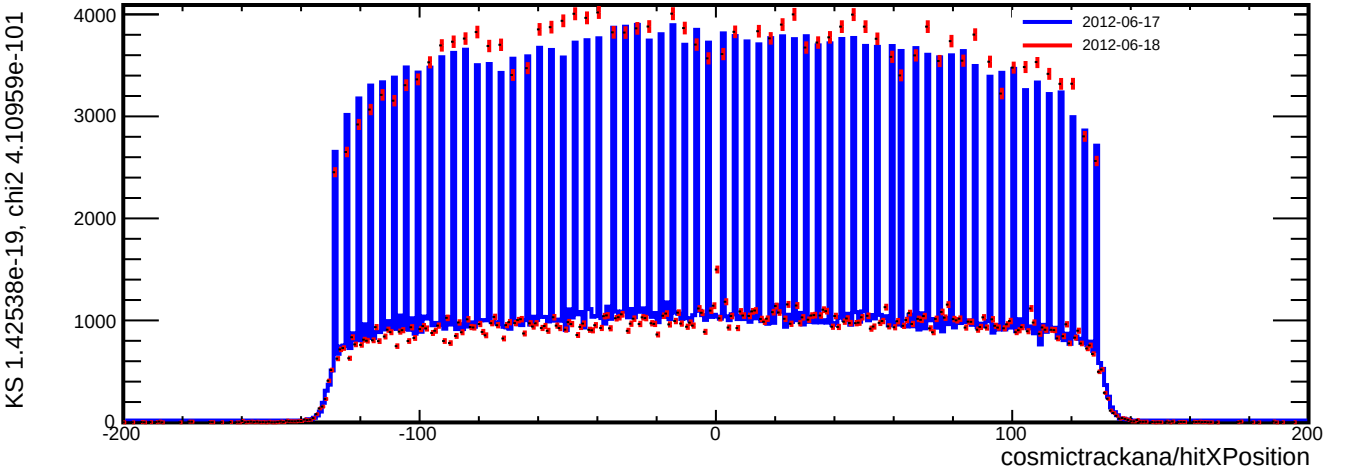

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.6
0.4
0.2
0
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

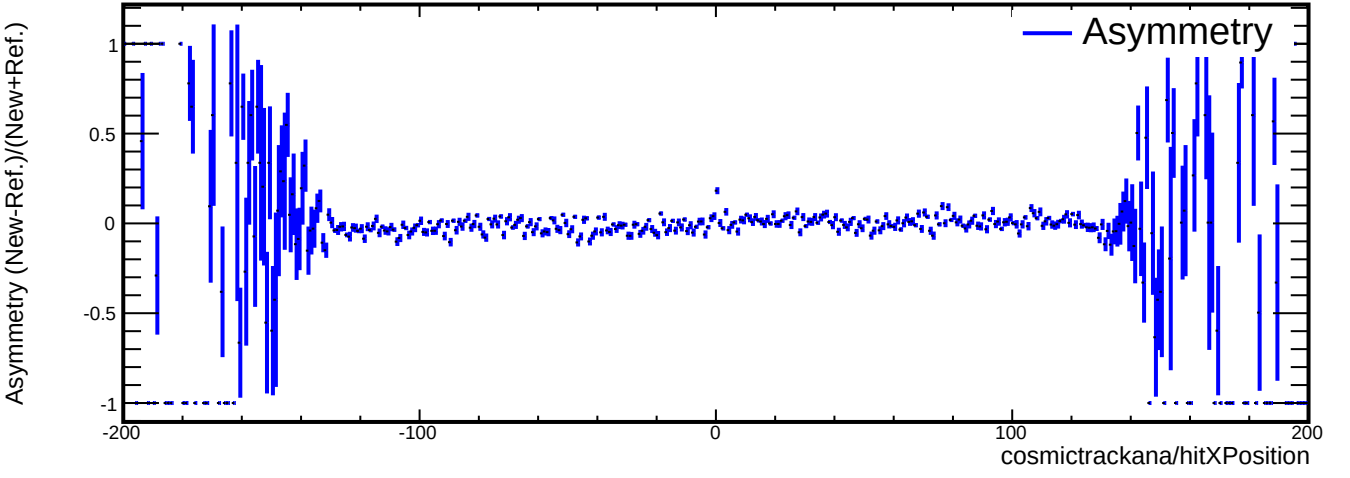

KS 1.83953e-25, chi2 0.00376641
2012-06-17
2012-06-18
0
20
40
60
0
500
1000
1500
cosmictrackana/trackLength

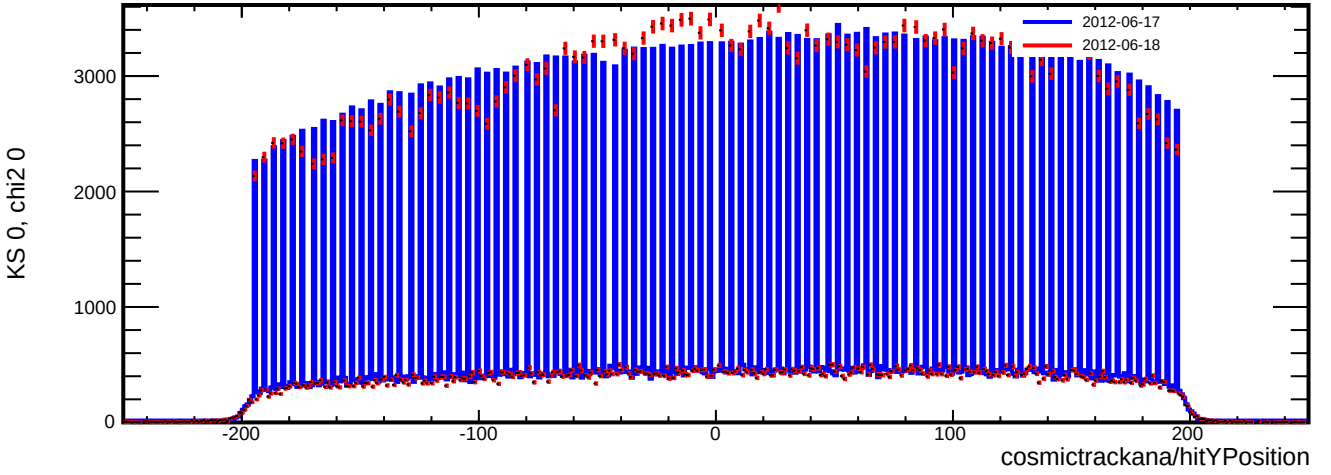

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/trackLength

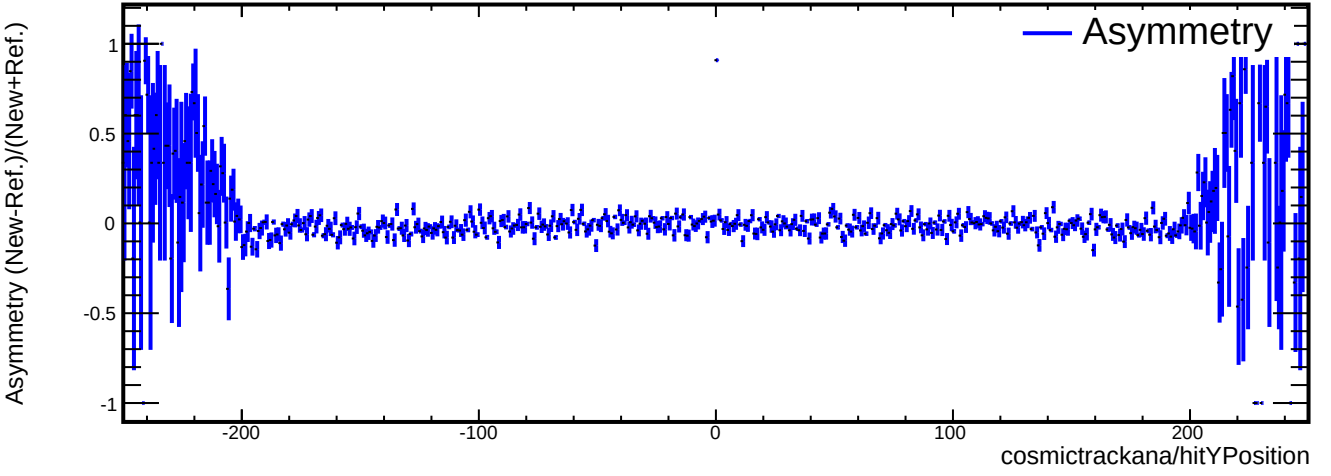

KS 3.26064e-35, chi2 3.82335e-69
2012-06-17
2012-06-18
300
200
100
0
0
0.2
0.4
0.6
0.8
1
cosmictrackana/coscosmic

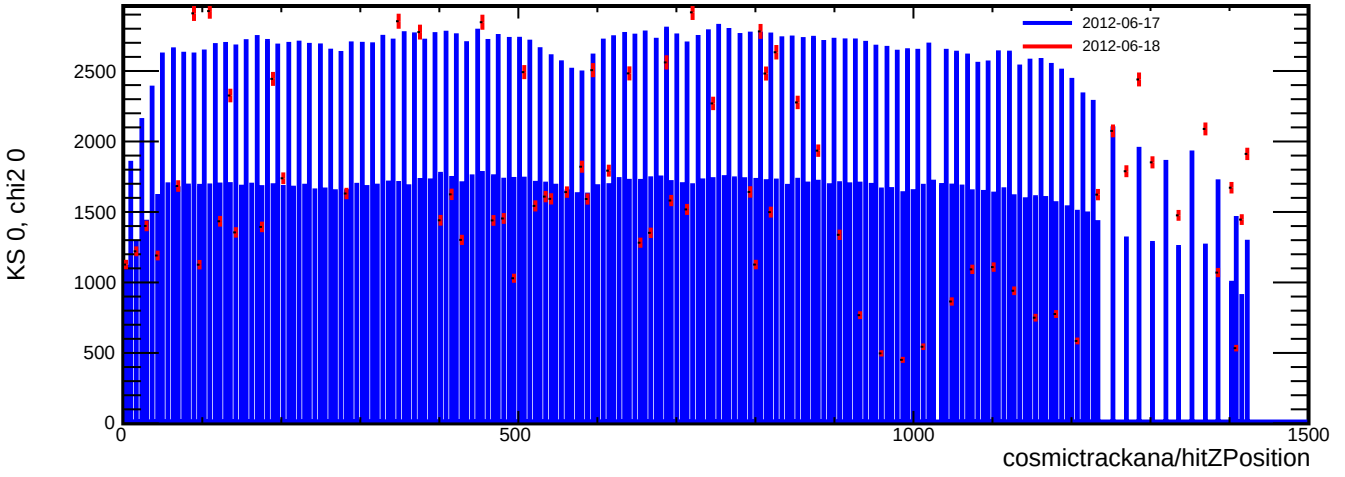

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
0.2
0.4
0.6
0.8
1
cosmictrackana/coscosmic

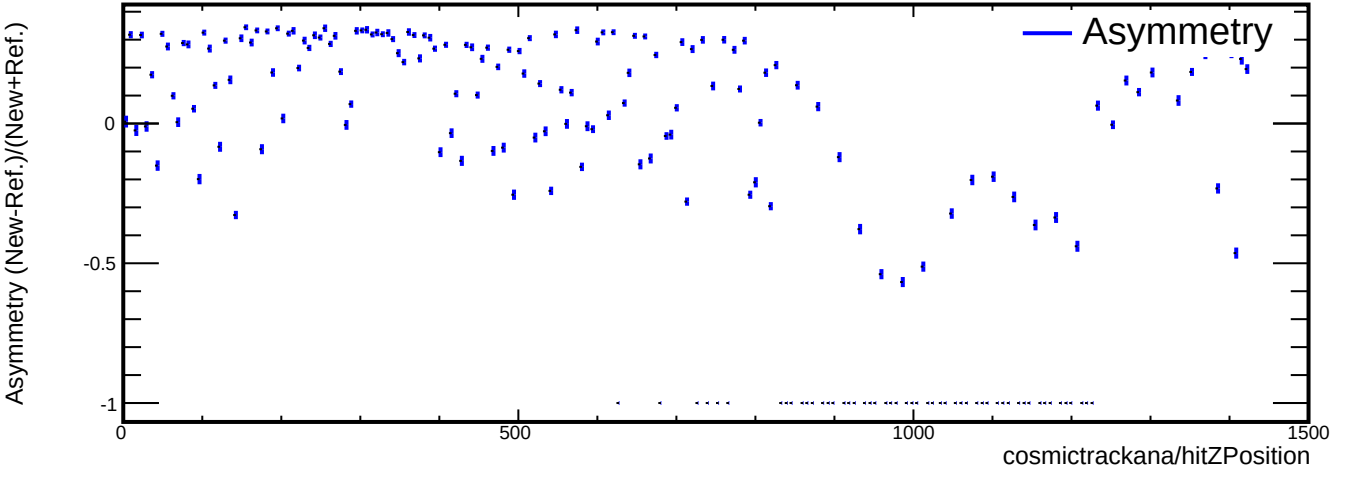

KS 1.42538e-19, chi2 4.10959e-101
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition
2012-06-17
2012-06-18

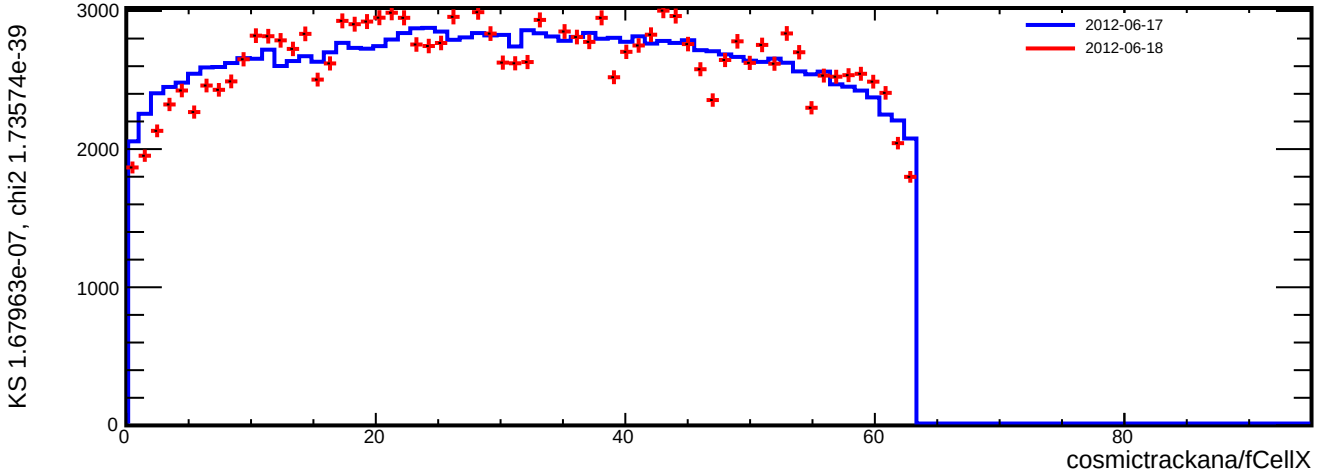

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitXPosition
Asymmetry

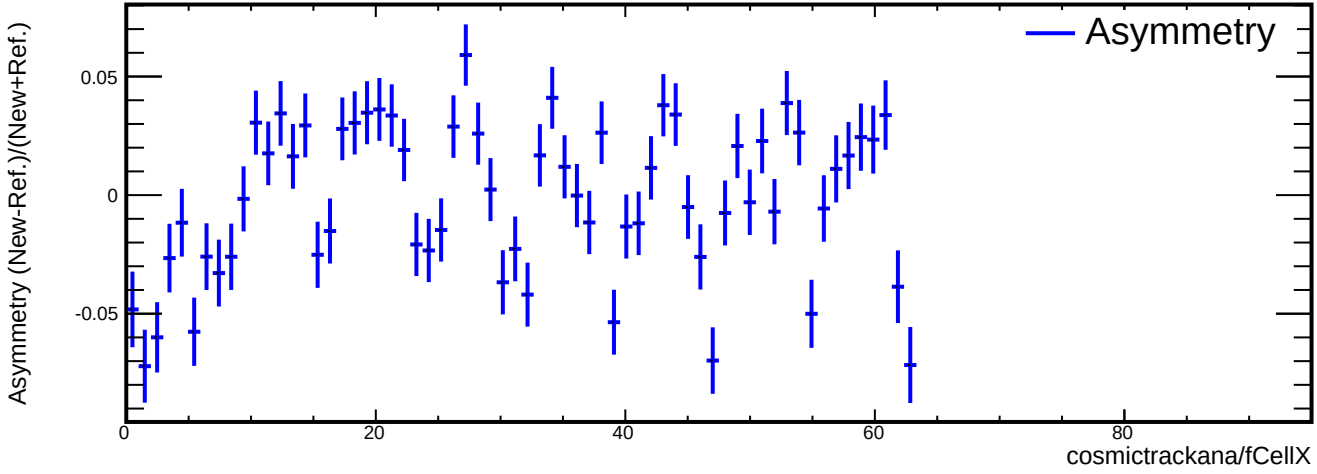

2012-06-17
2012-06-18
KS 0, chi2 0
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

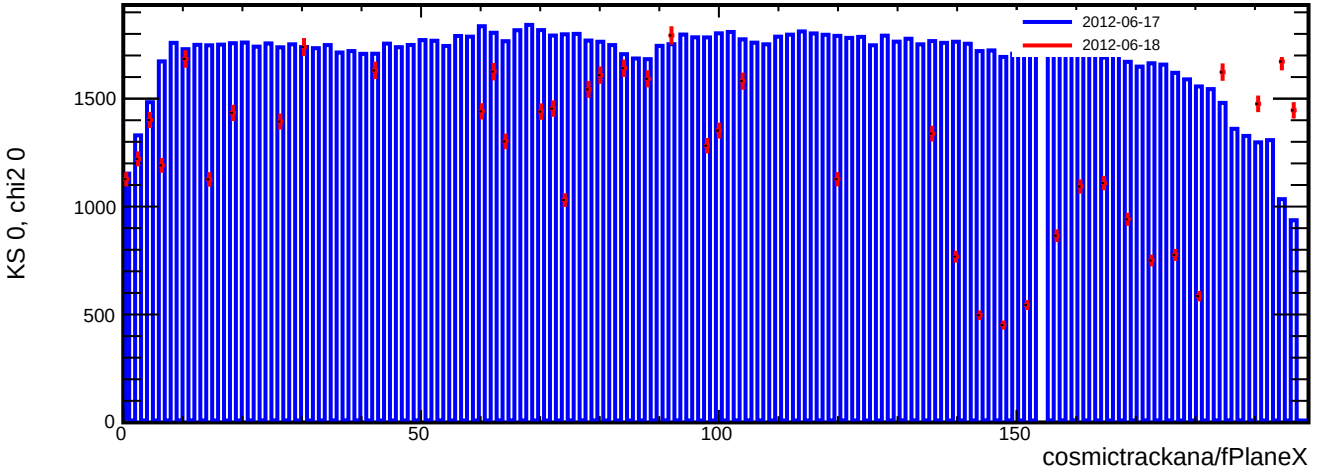

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

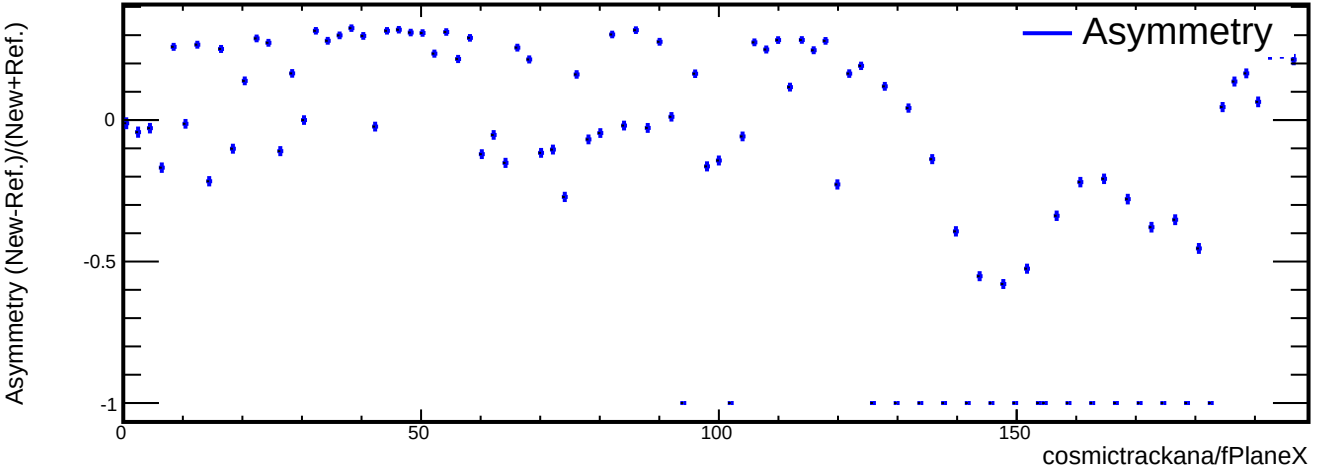

2012-06-17
2012-06-18
KS 0, chi2 0
0
500
1000
1500
2000
2500
0
500
1000
1500
cosmictrackana/hitZPosition

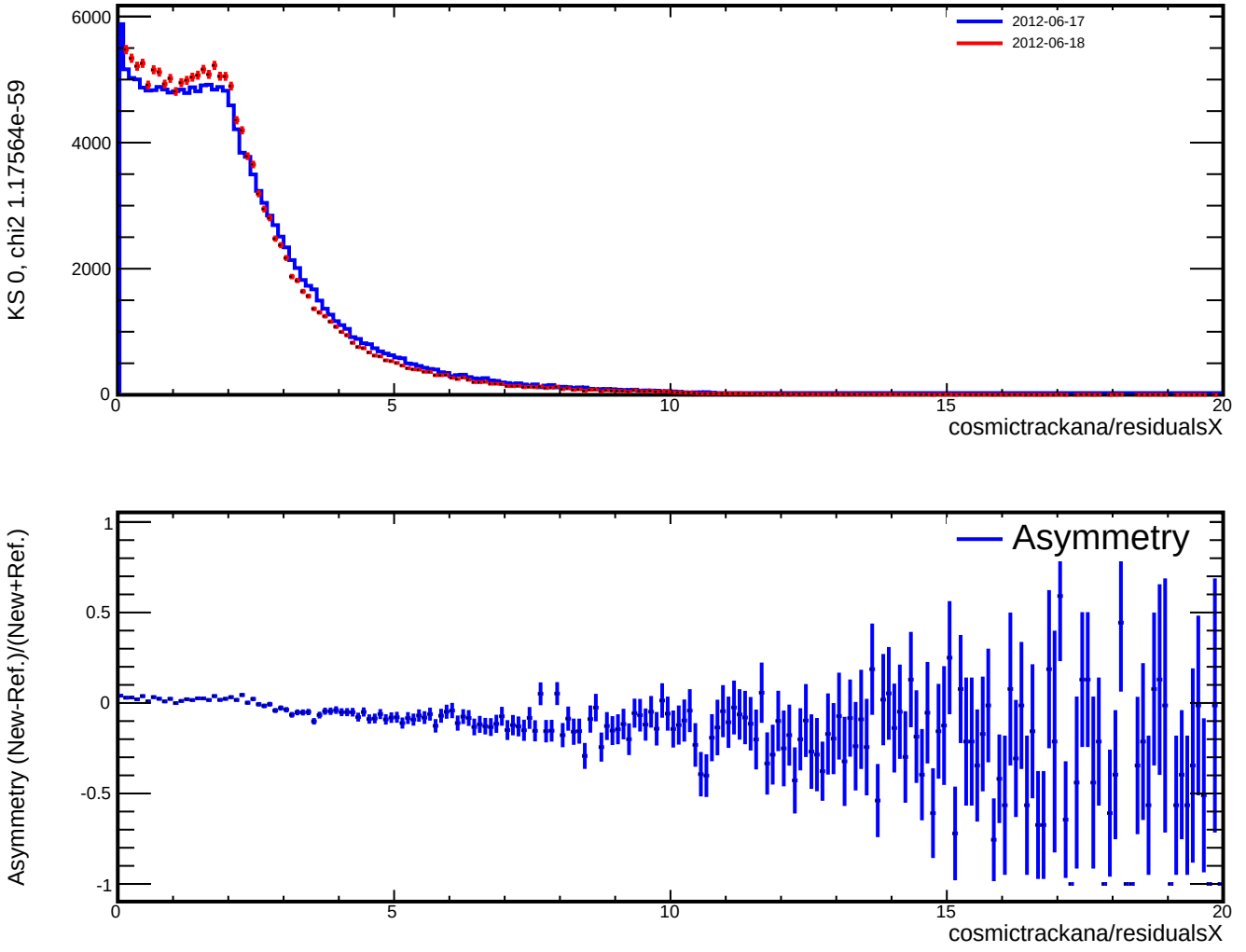

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
0
500
1000
1500
cosmictrackana/hitZPosition

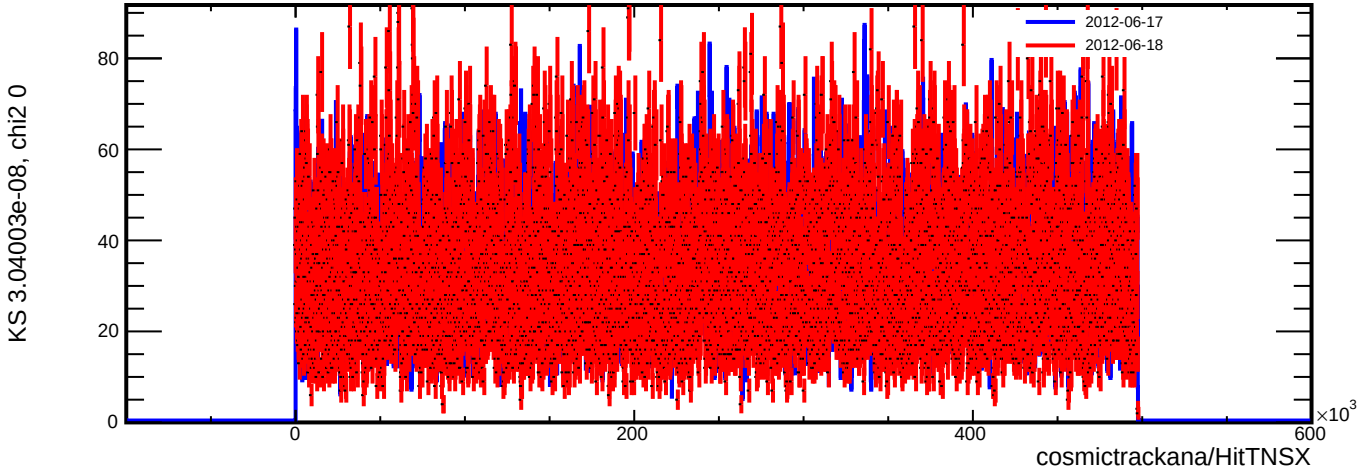

KS 1.67963e-07, chi2 1.73574e-39
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellX
2012-06-17
2012-06-18

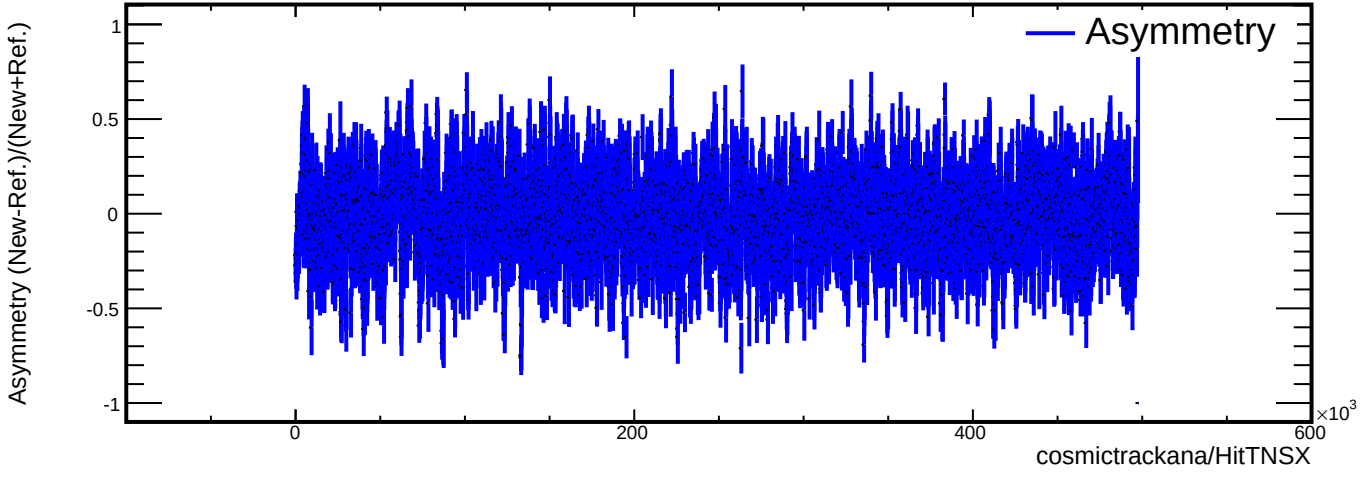

Asymmetry (New-Ref.)/(New+Ref.)
0.05
0
-0.05
0
20
40
60
80
cosmictrackana/fCellX
Asymmetry

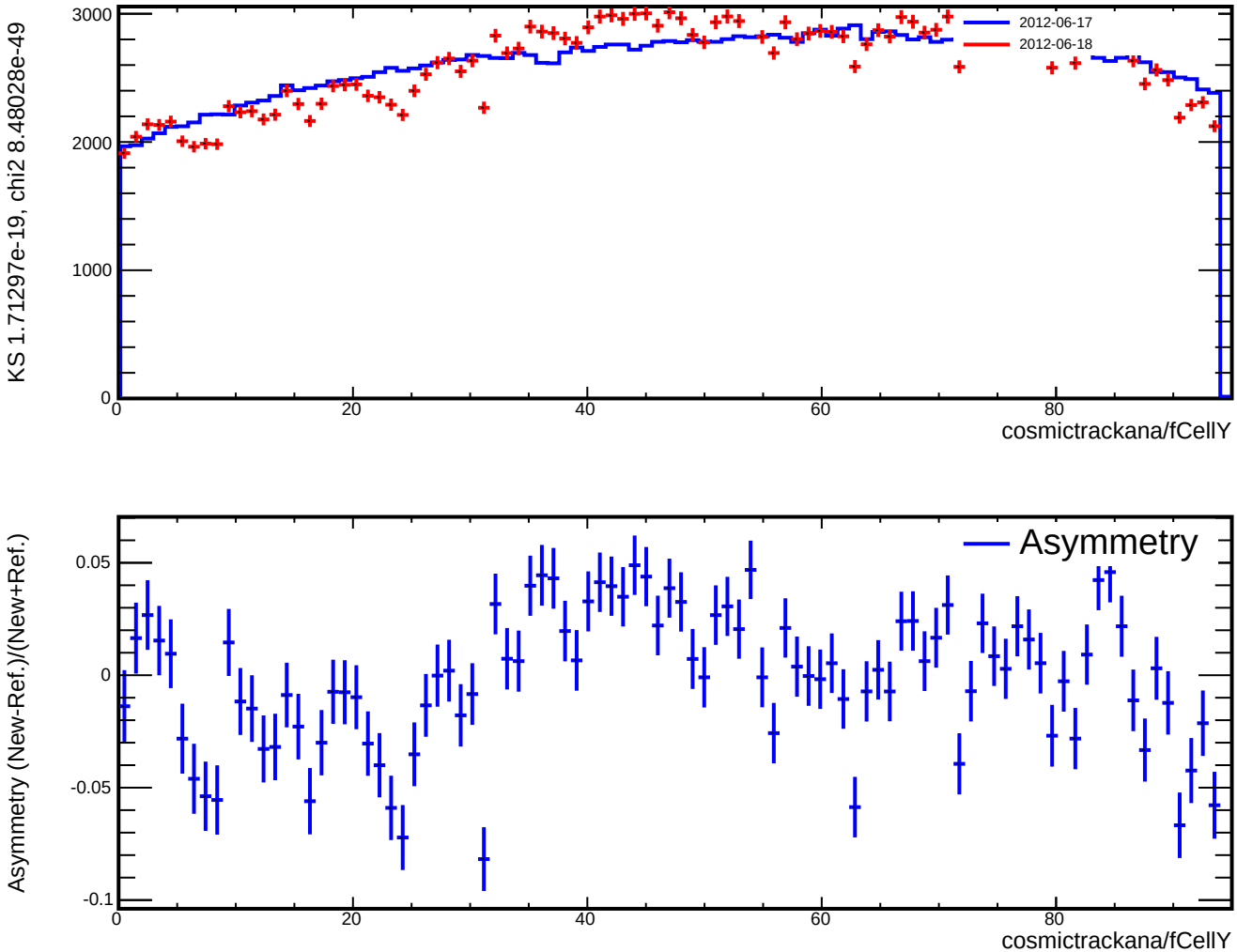

2012-06-17
2012-06-18
KS 0, chi2 0
1500
1000
500
0
0
50
100
150
cosmictrackana/fPlaneX

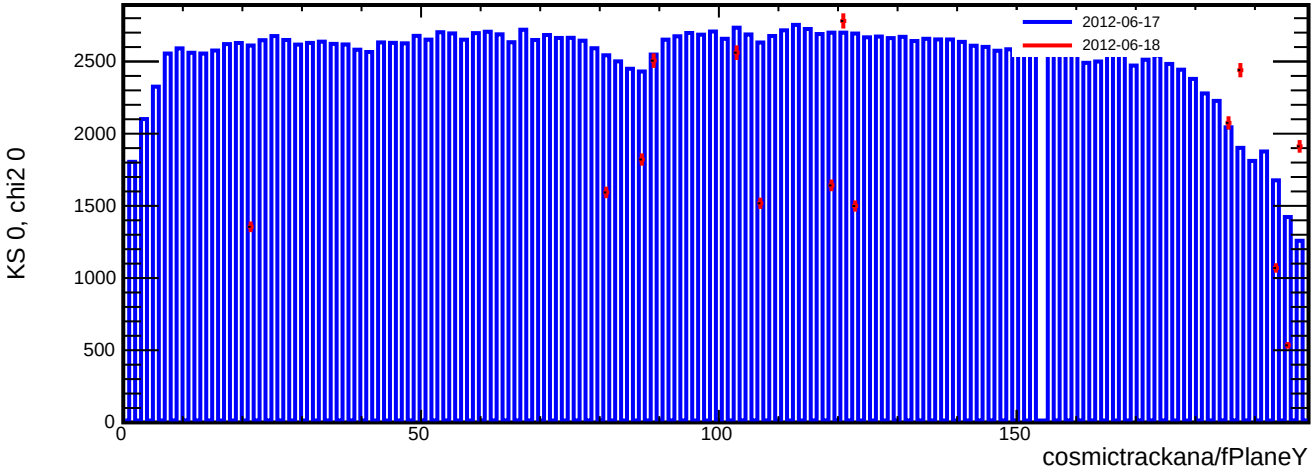

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
0
50
100
150
cosmictrackana/fPlaneX

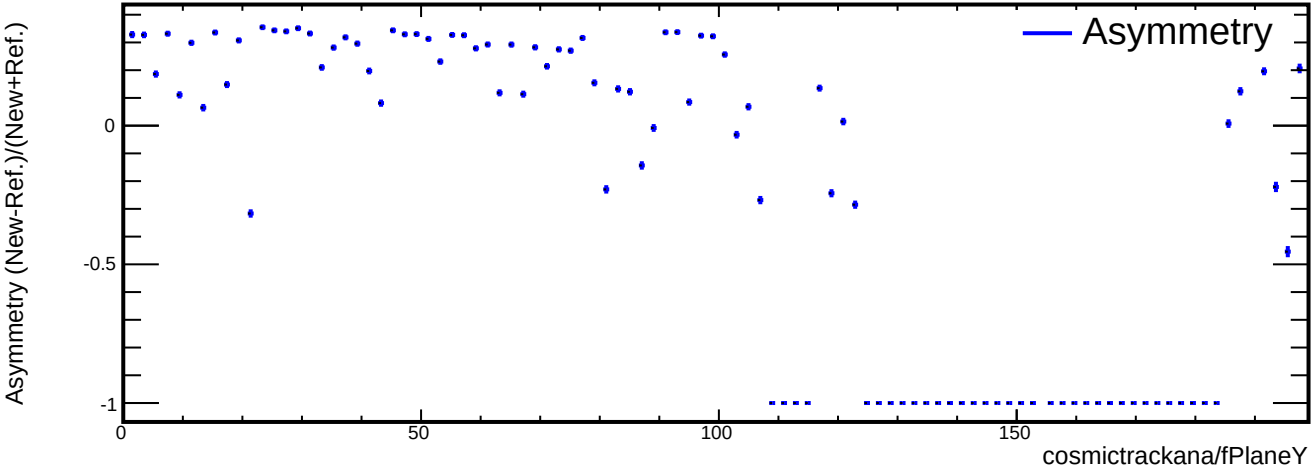

KS 0, chi2 1.17564e-59
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX
2012-06-17
2012-06-18
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX
Asymmetry

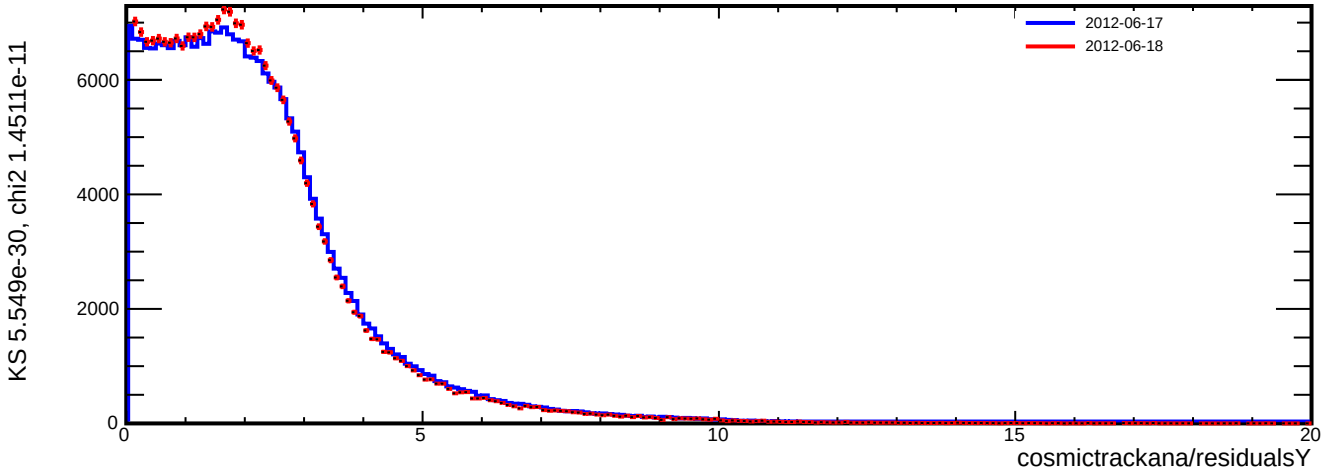

KS 3.04003e-08, chi2 0
2012-06-17
2012-06-18
0
20
40
60
80
0
200
400
600
×10^3
cosmictrackana/HitTNSX

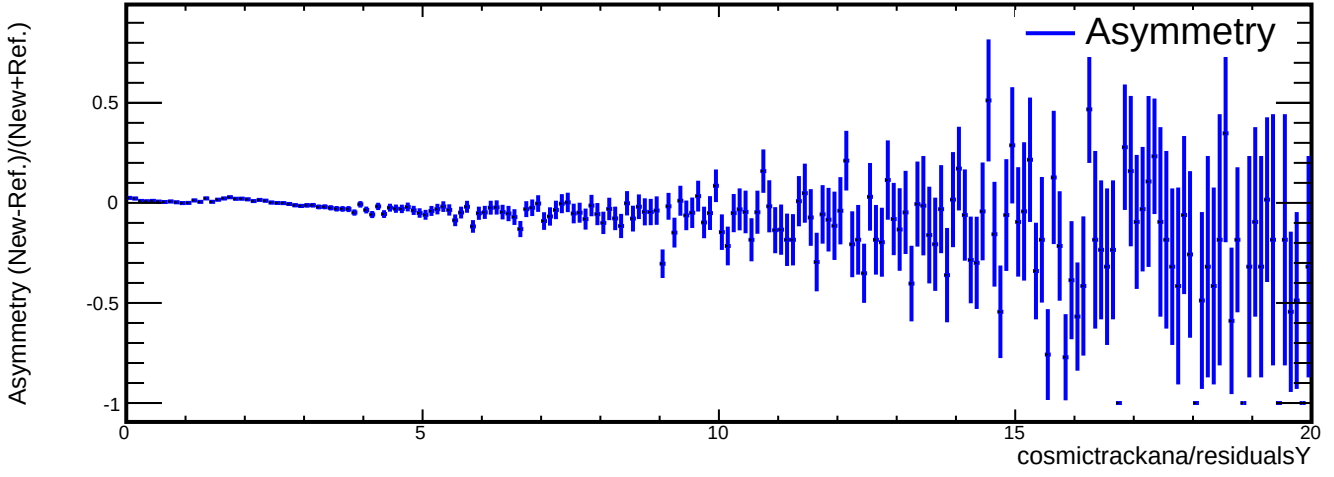

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
200
400
600
×10^3
cosmictrackana/HitTNSX

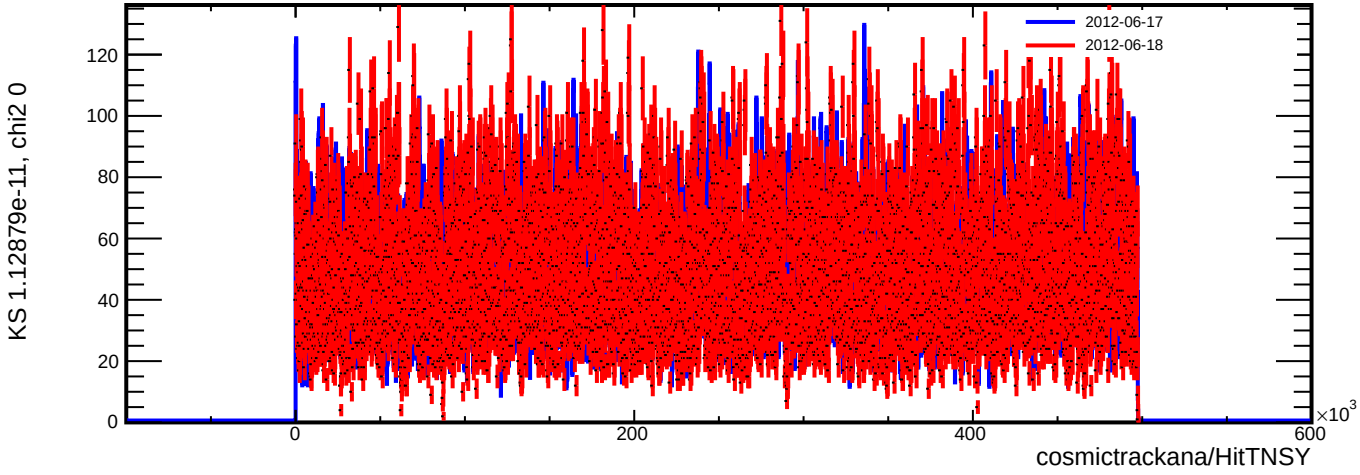

KS 1.71297e-19, chi2 8.48028e-49
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY
2012-06-17
2012-06-18
Asymmetry (New-Ref.)/(New+Ref.)
0.05
0
-0.05
-0.1
0
20
40
60
80
cosmictrackana/fCellY
Asymmetry

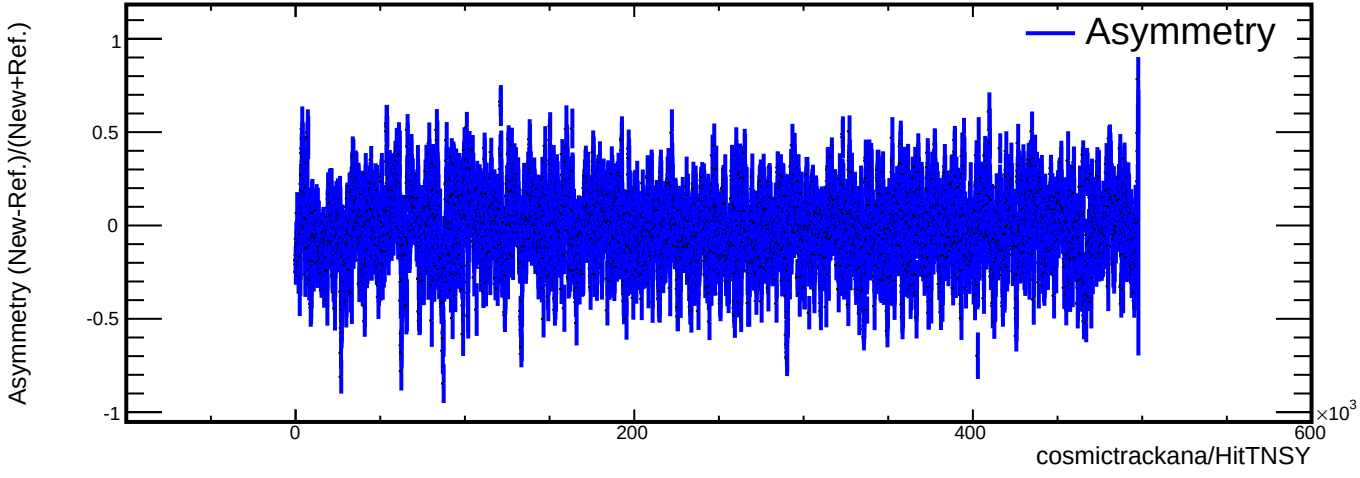

2012-06-17
2012-06-18
KS 0, chi2 0
0
500
1000
1500
2000
2500
0
50
100
150
cosmictrackana/fPlaneY


Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0
-0.5
-1
0
50
100
150
cosmictrackana/fPlaneY


KS 5.549e-30, chi2 1.4511e-11
2012-06-17
2012-06-18
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsY


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


2012-06-17
2012-06-18
KS 1.12879e-11, chi2 0
120
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


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