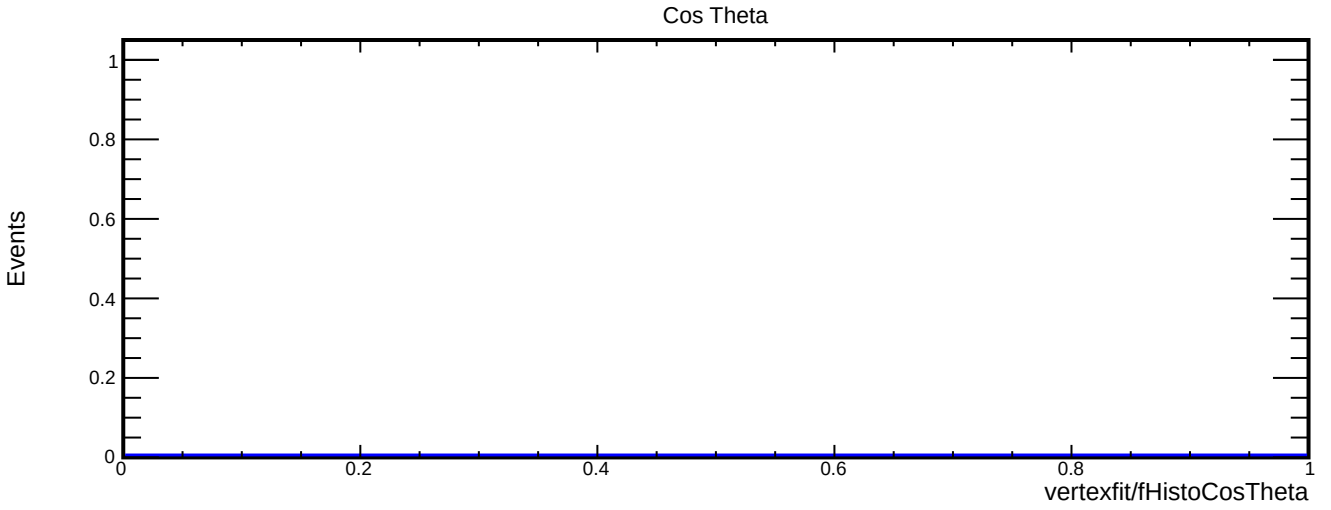
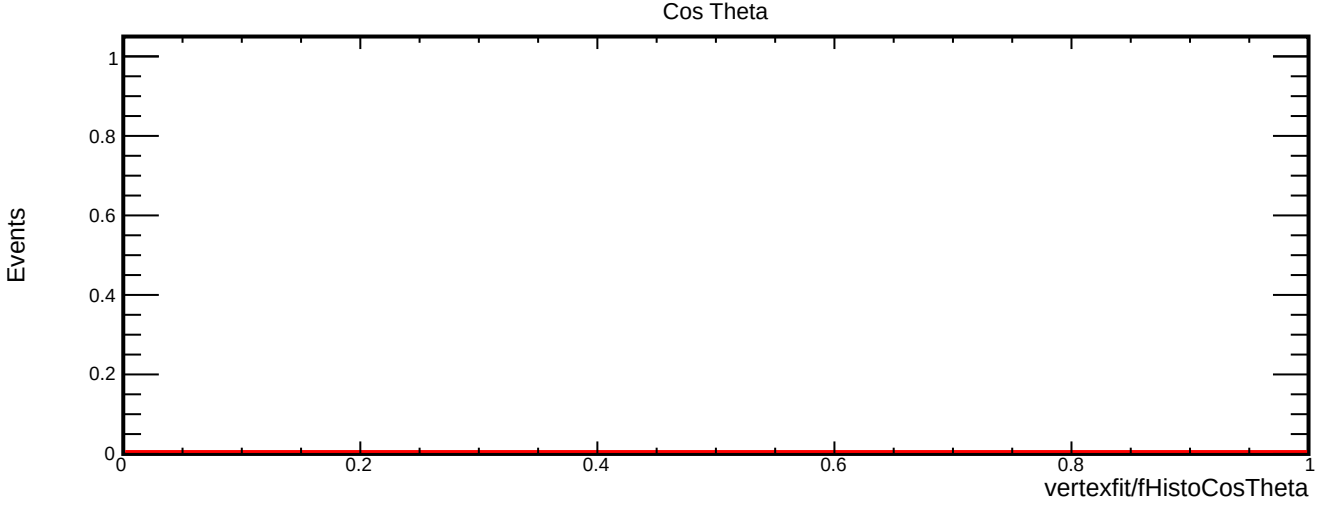
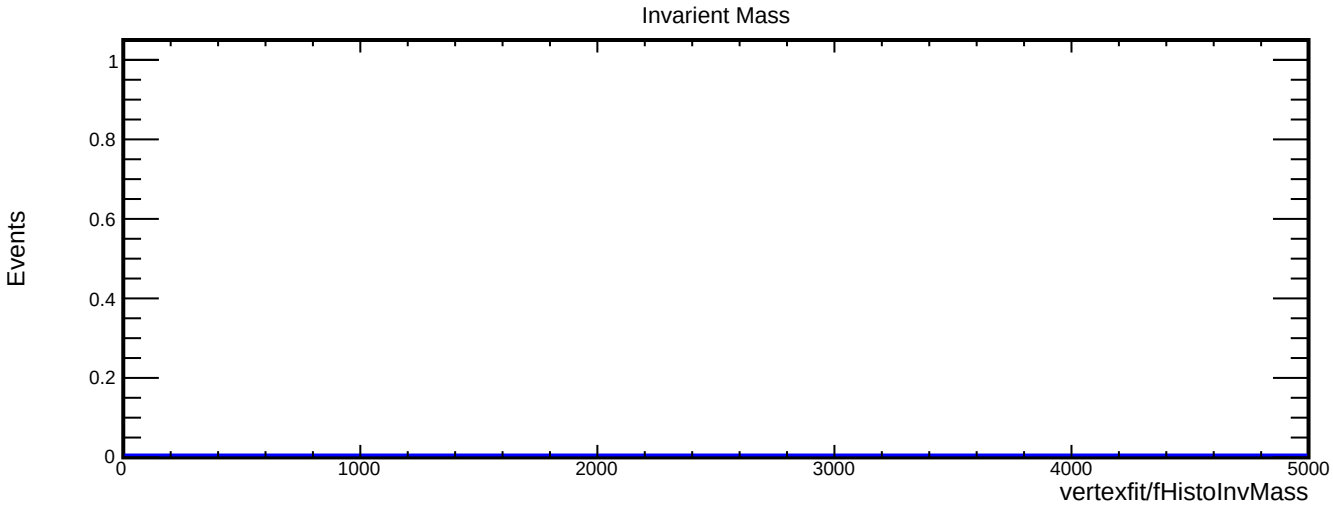
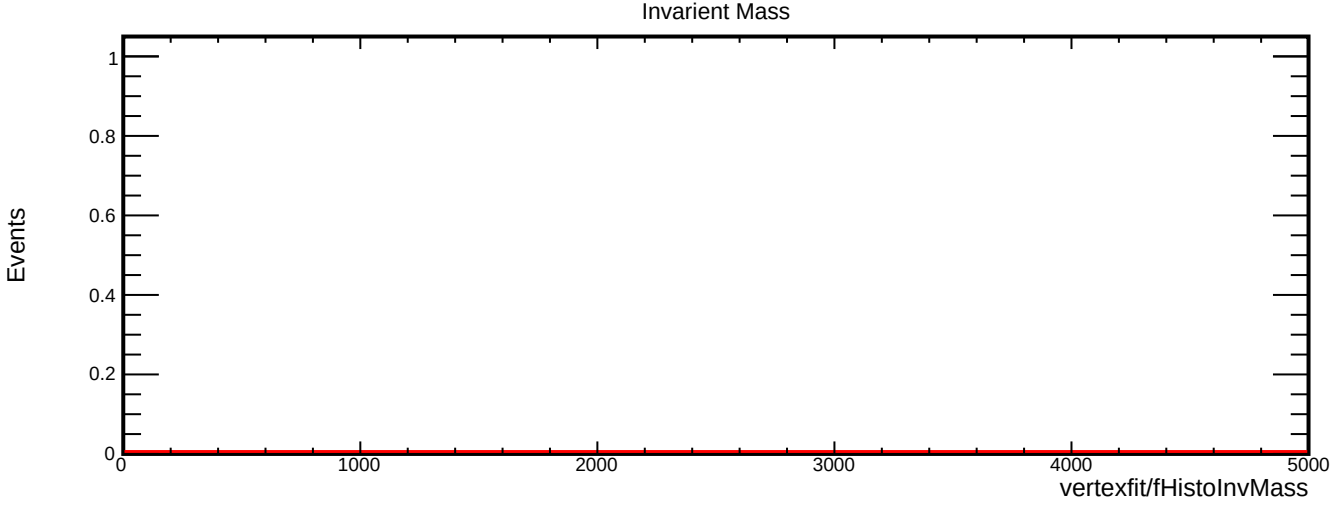
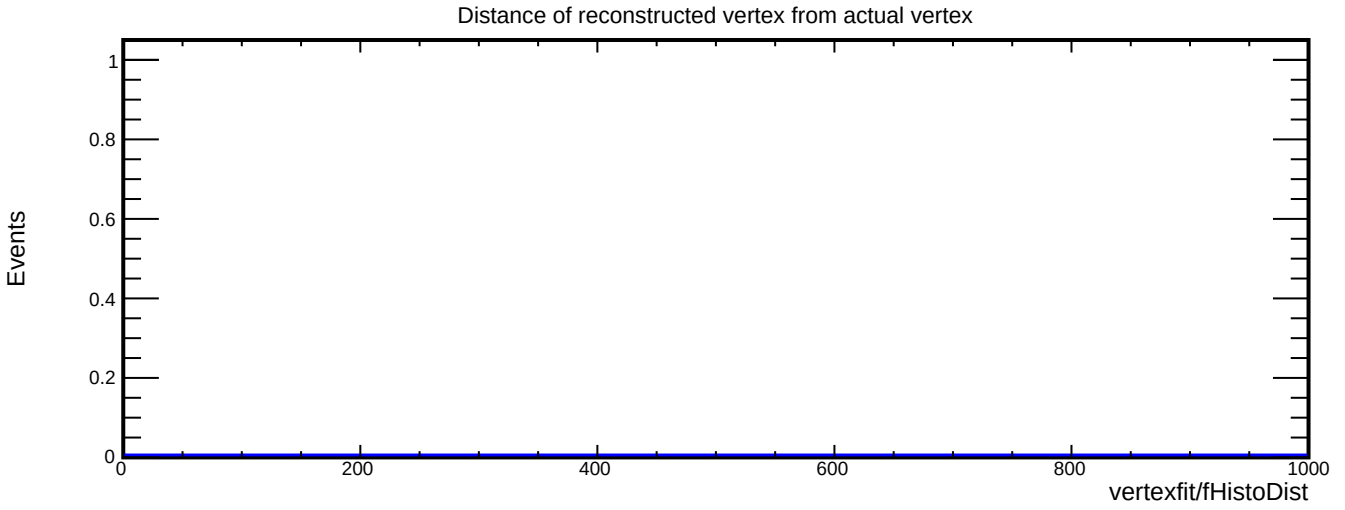
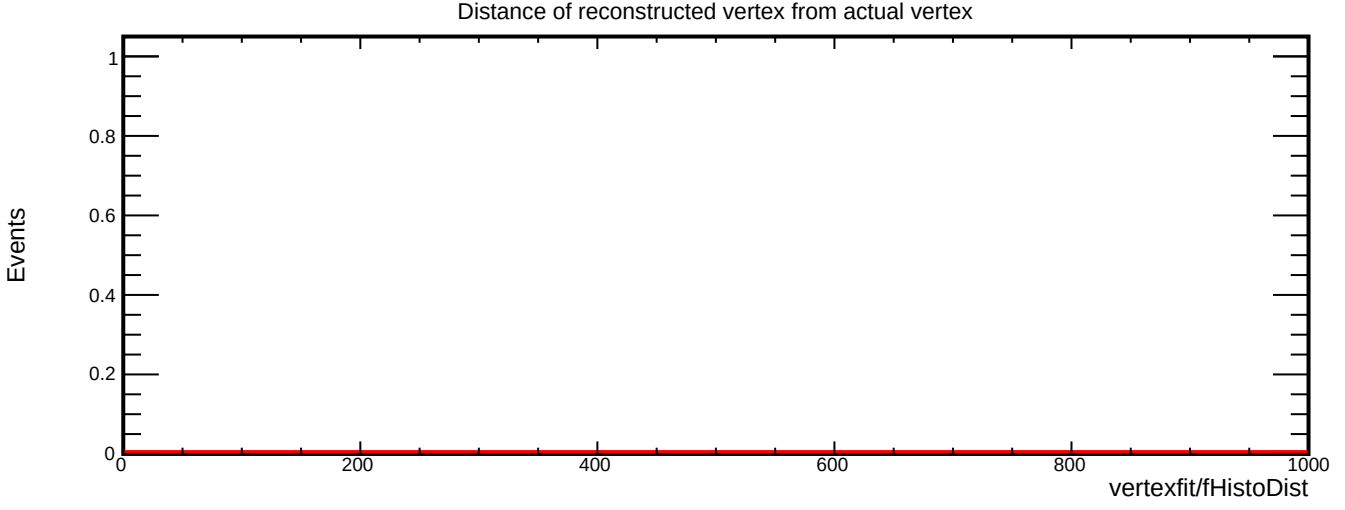

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

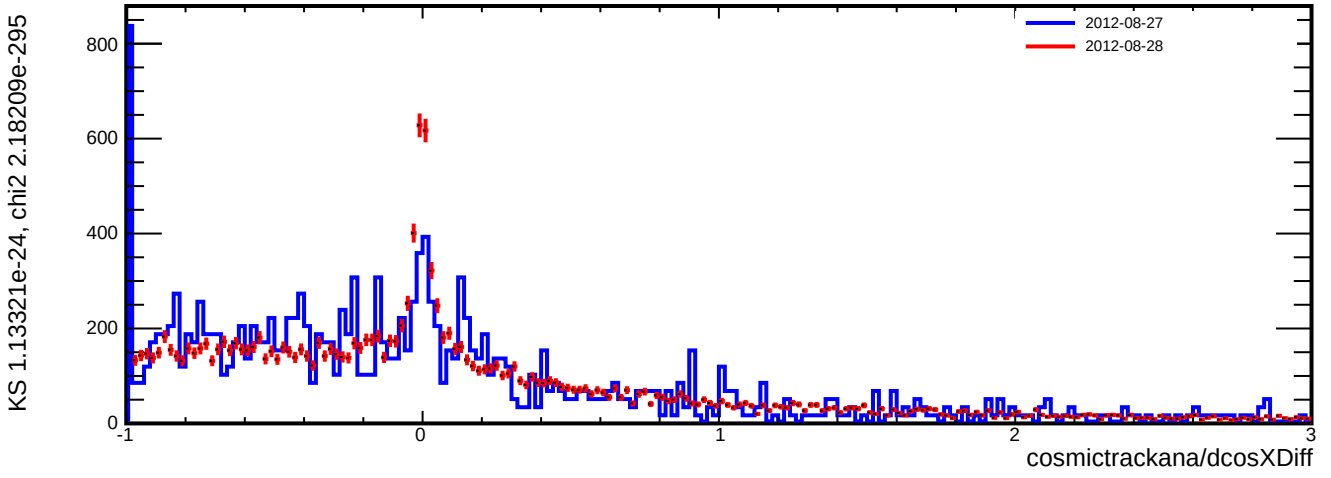

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

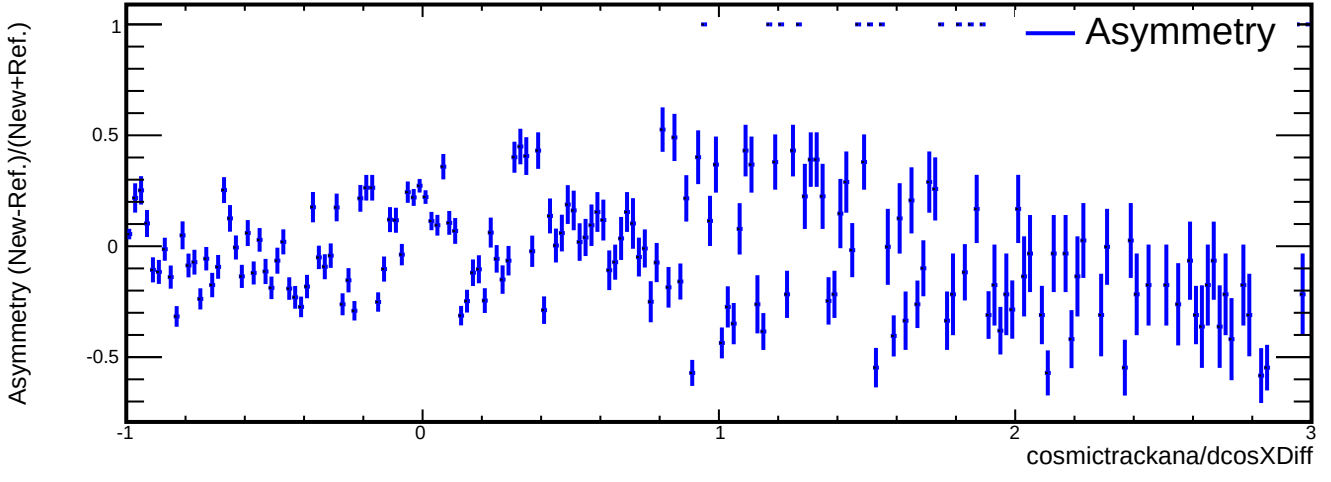

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

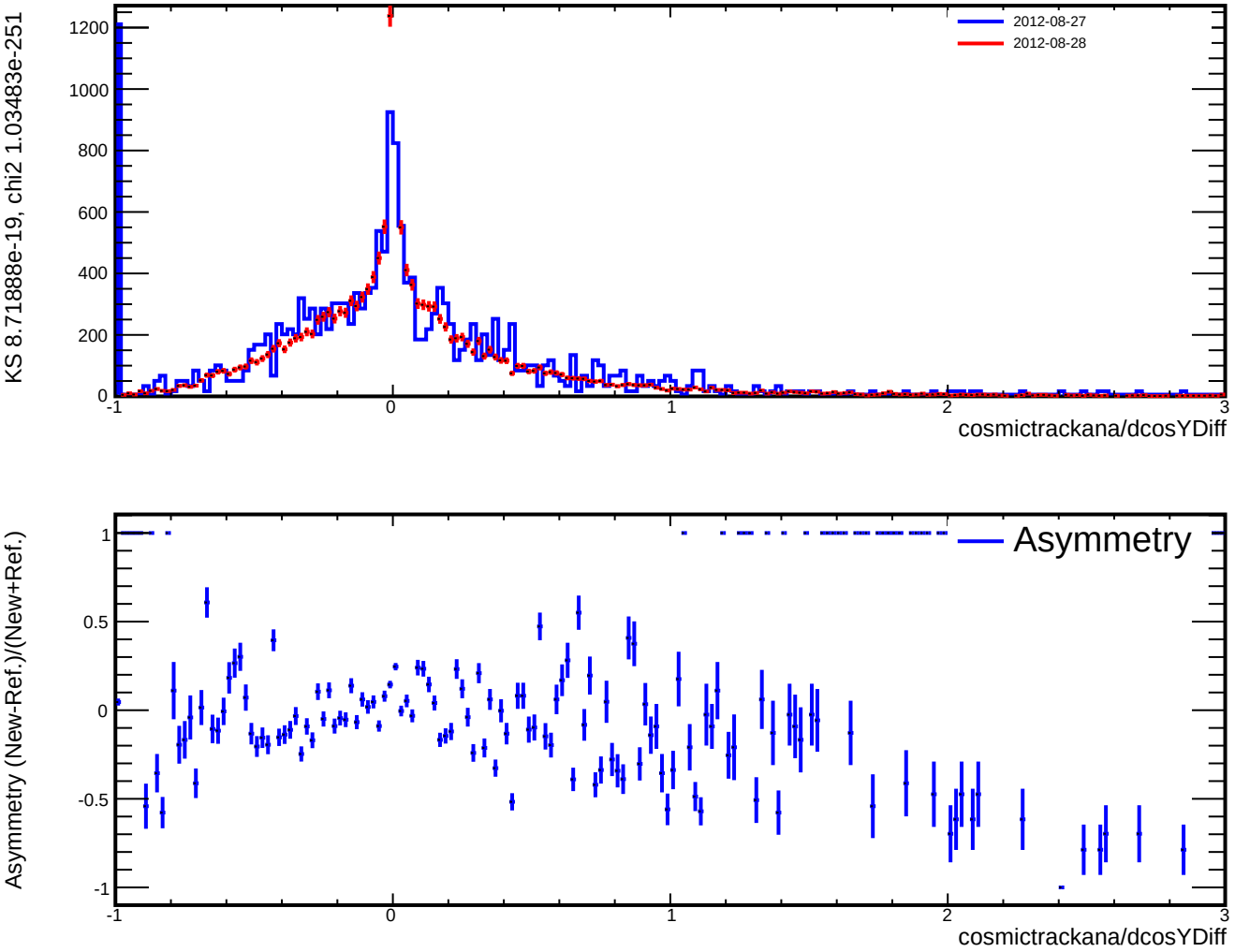

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

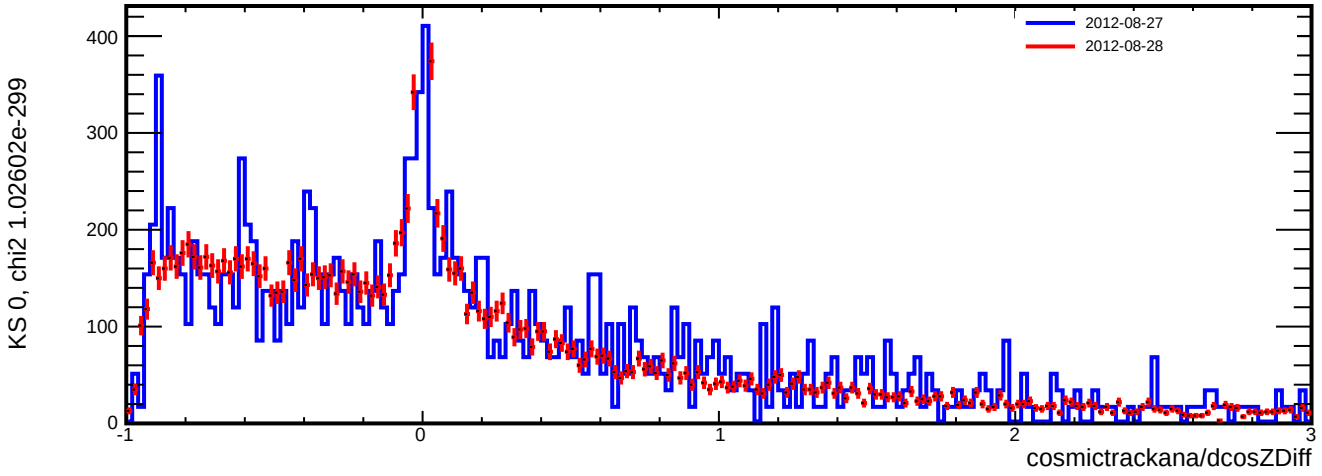

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

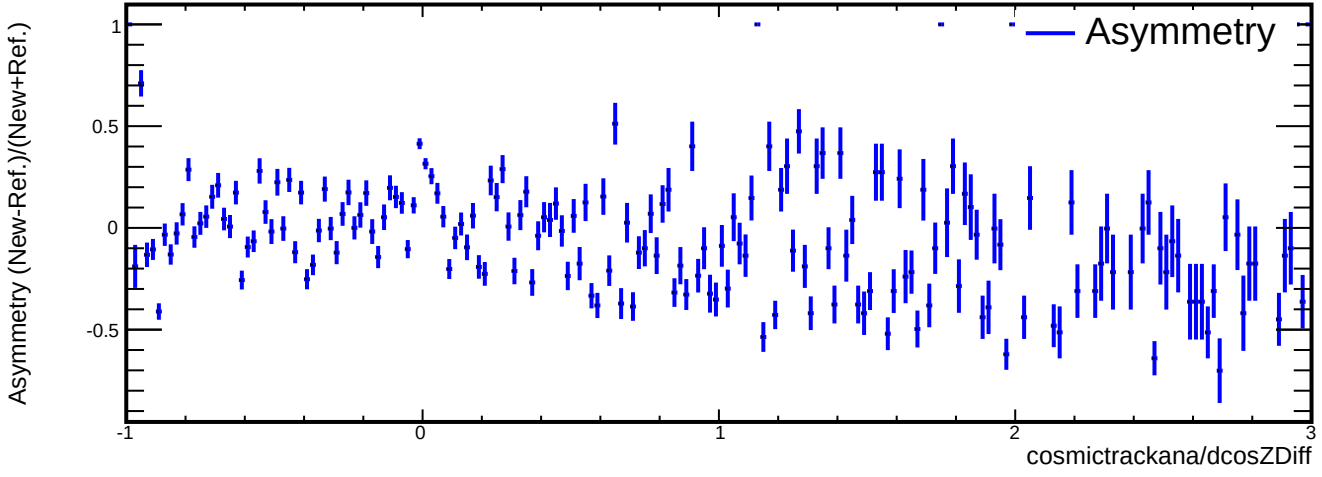

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

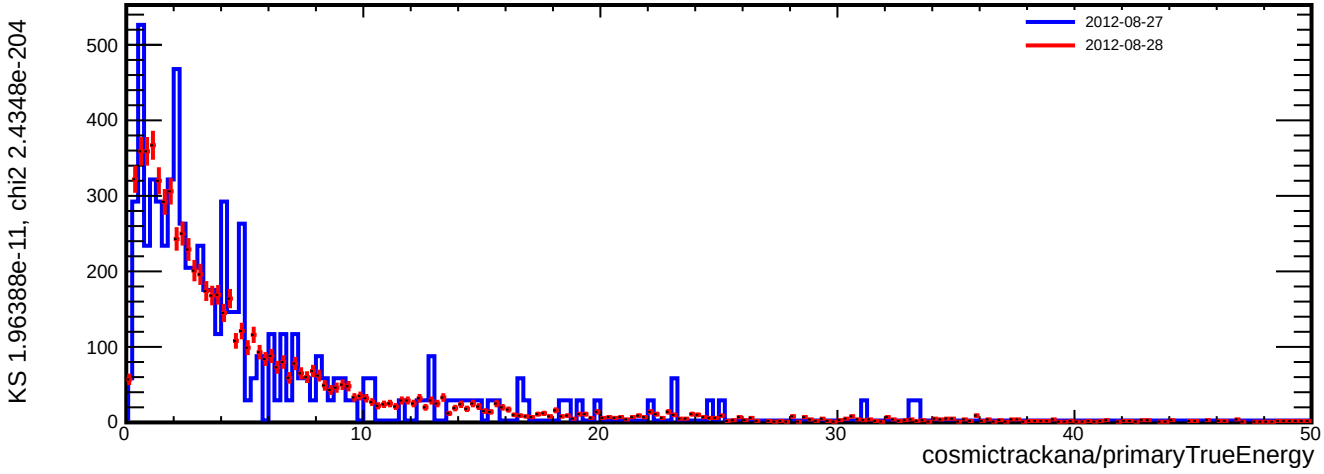

KS 1.13321e-24, chi2 2.18209e-295
2012-08-27
2012-08-28
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosXDiff

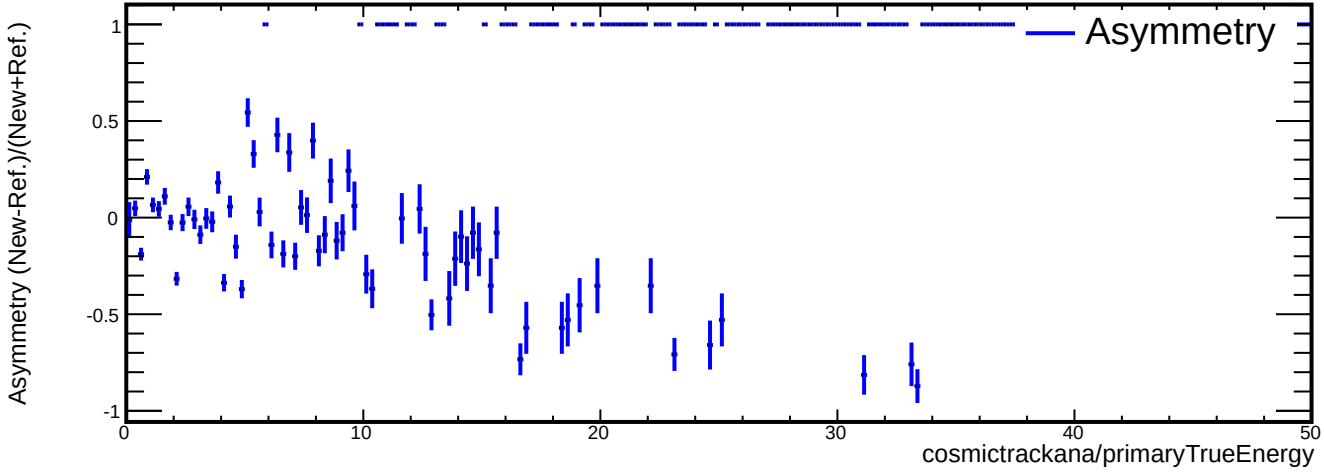

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosXDiff

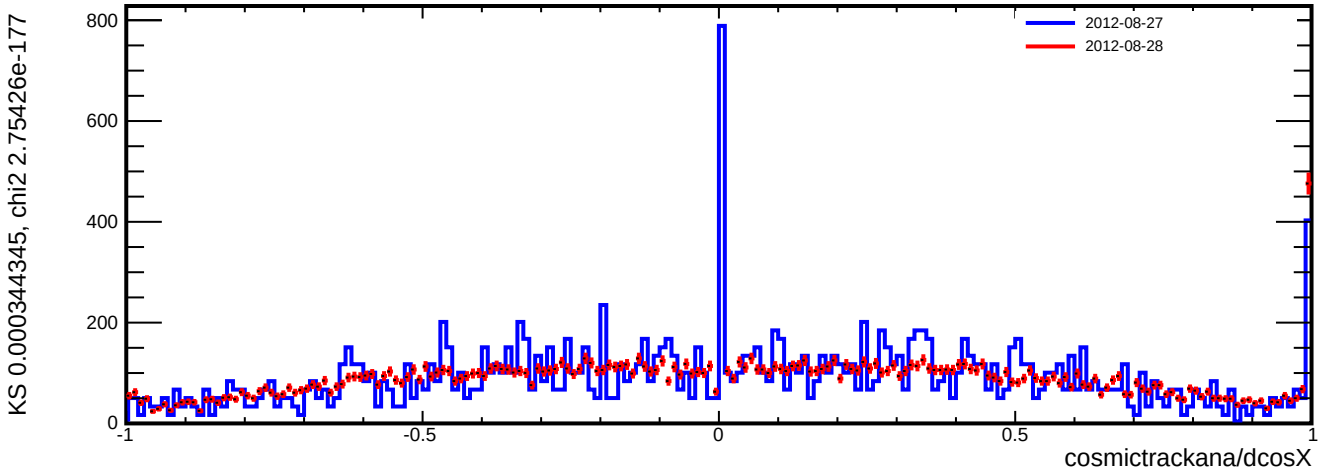

KS 8.71888e-19, chi2 1.03483e-251
2012-08-27
2012-08-28
cosmictrackana/dcosYDiff
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dcosYDiff

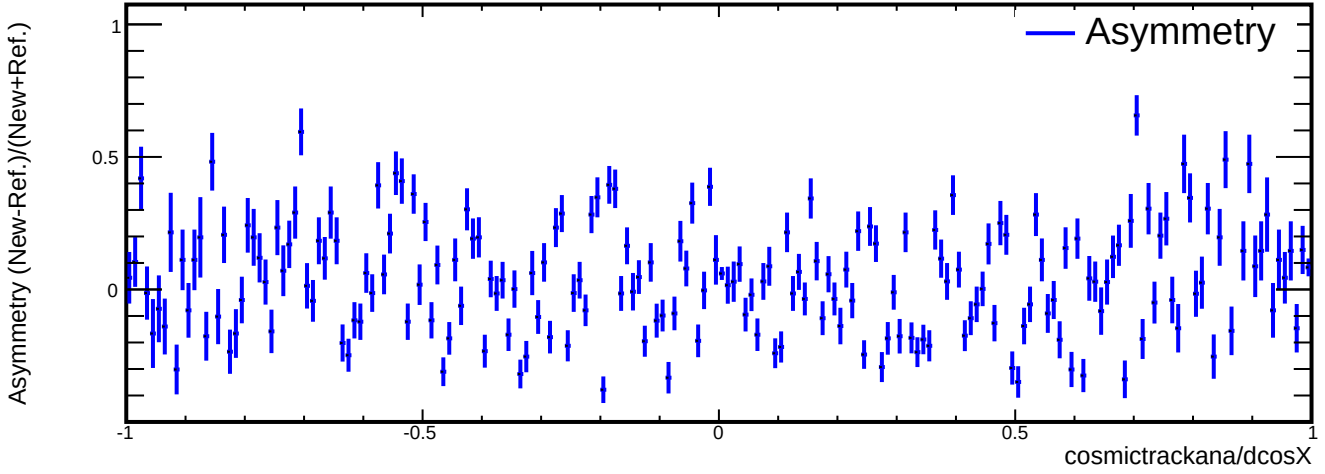

KS 0, chi2 1.02602e-299
400
300
200
100
0
-1
0
1
2
3
cosmictrackana/dcosZDiff
2012-08-27
2012-08-28

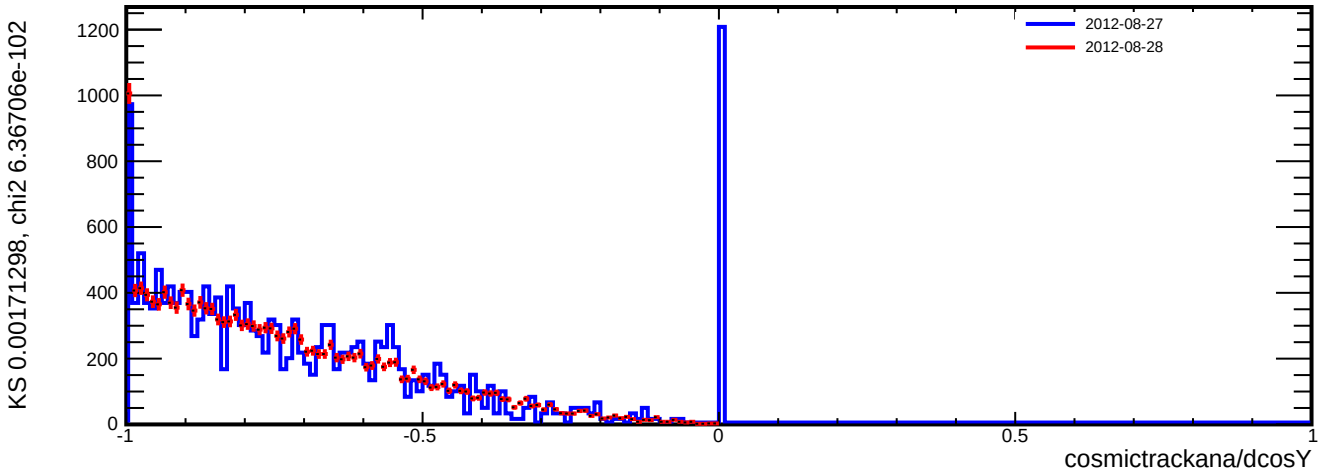

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosZDiff
Asymmetry

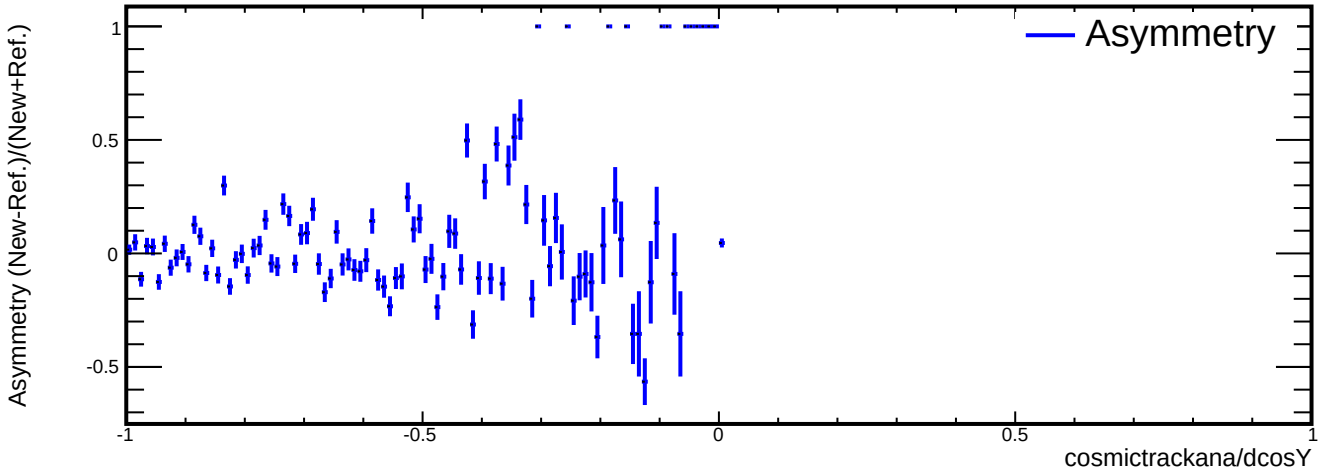

KS 1.96388e-11, chi2 2.4348e-204
2012-08-27
2012-08-28
cosmictrackana/primaryTrueEnergy

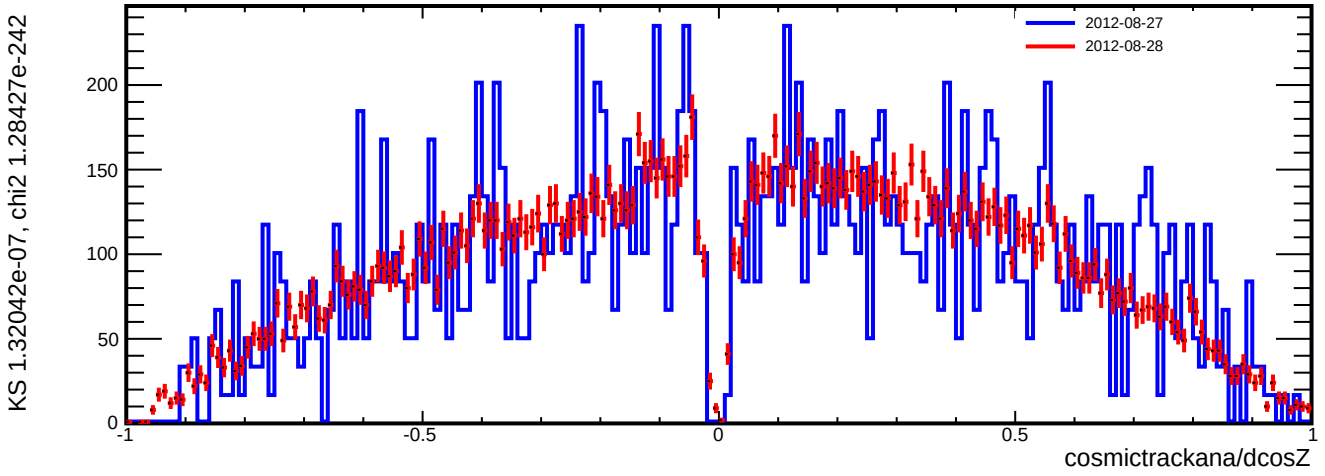

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/primaryTrueEnergy

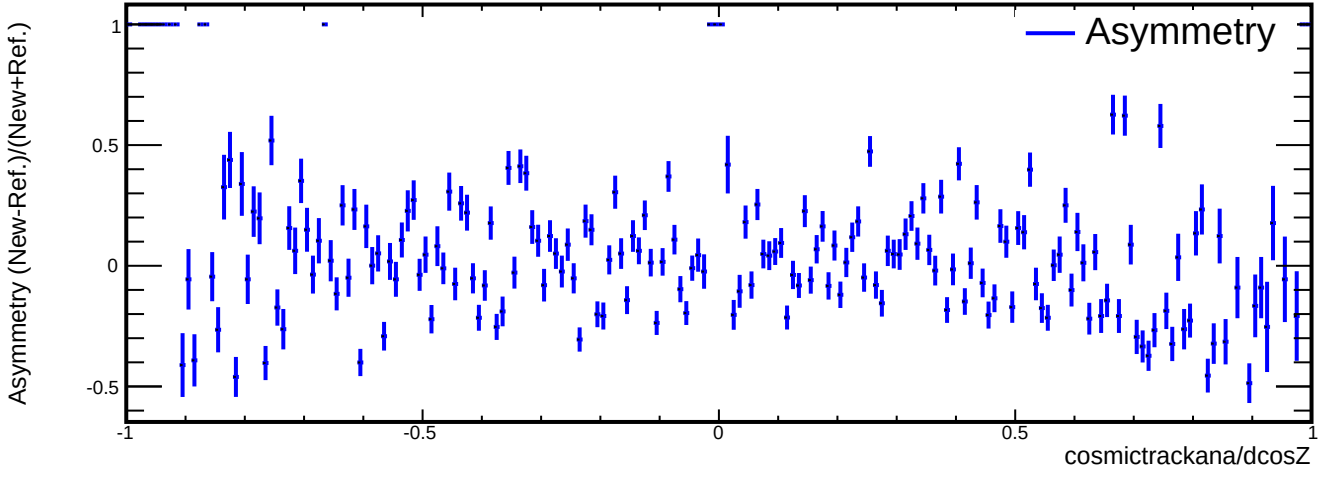

KS 0.000344345, chi2 2.75426e-177
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosX
2012-08-27
2012-08-28

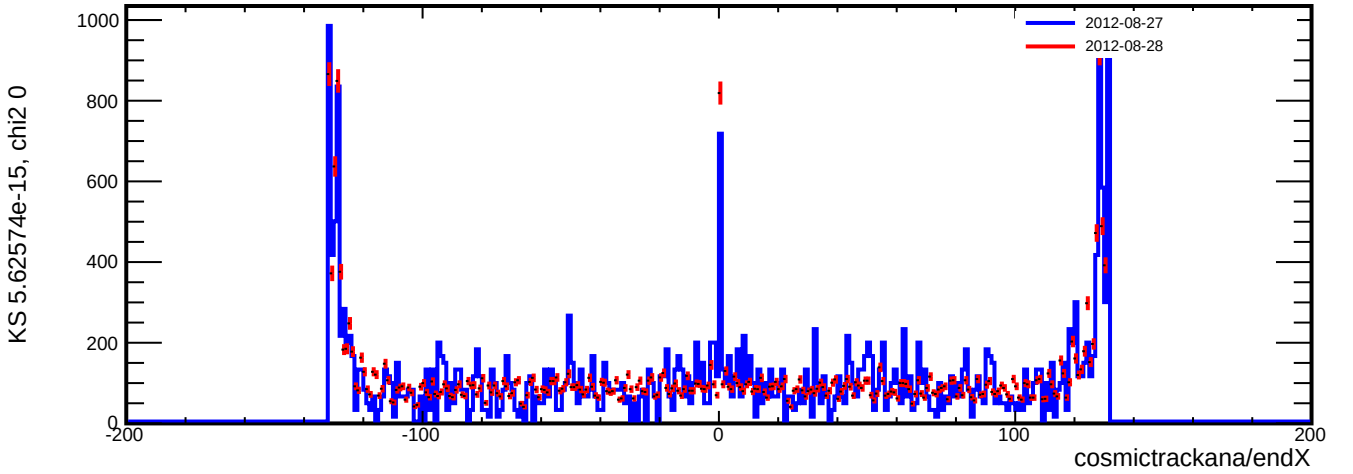

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosX
Asymmetry

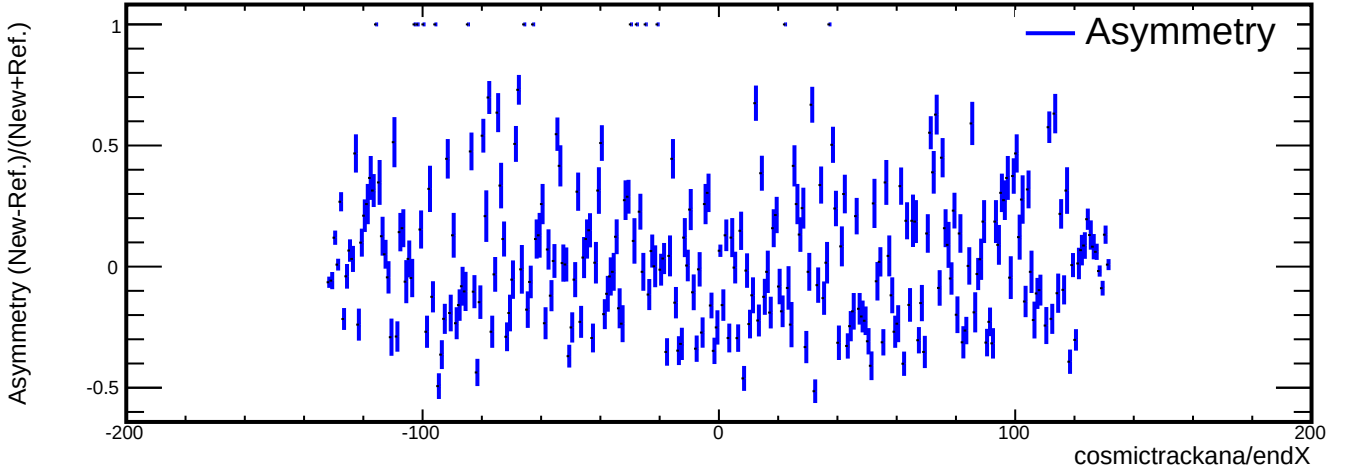

KS 0.00171298, chi2 6.36706e-102
2012-08-27
2012-08-28
cosmictrackana/dcosY

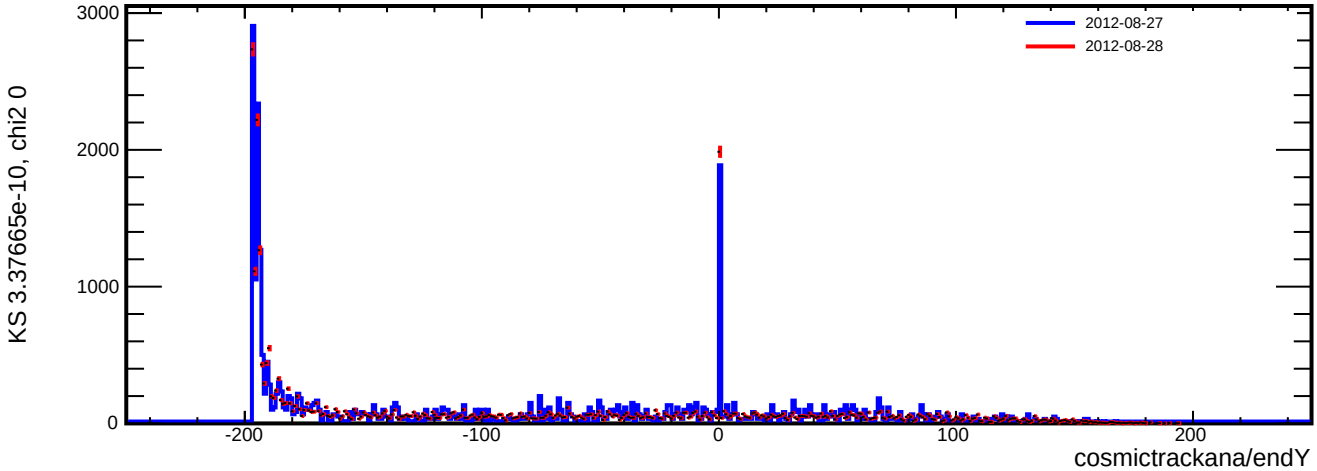

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dcosY

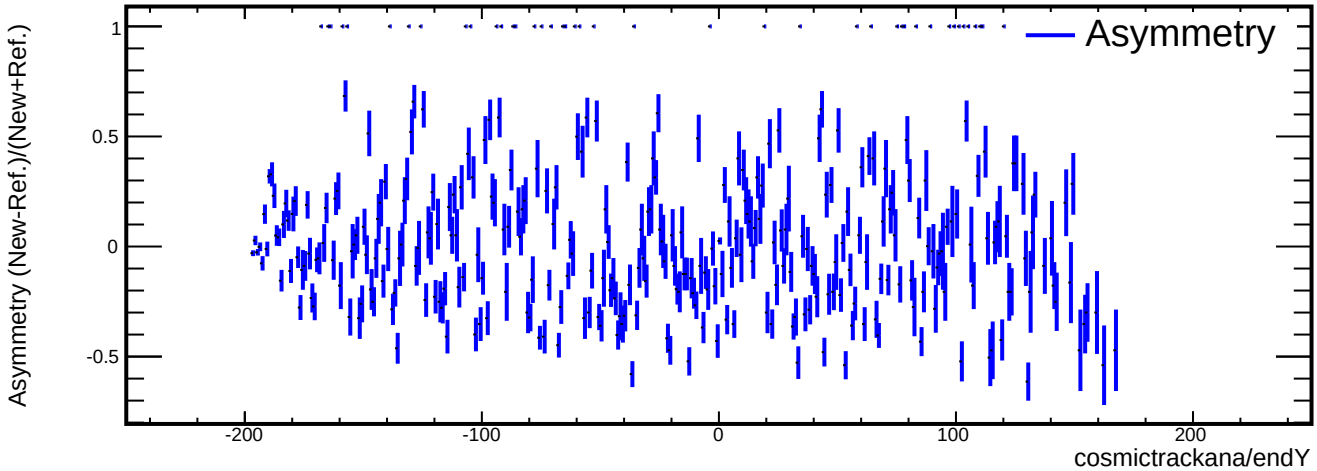

KS 1.32042e-07, chi2 1.28427e-242
2012-08-27
2012-08-28
0
50
100
150
200
-1
-0.5
0
0.5
1
cosmictrackana/dcosZ

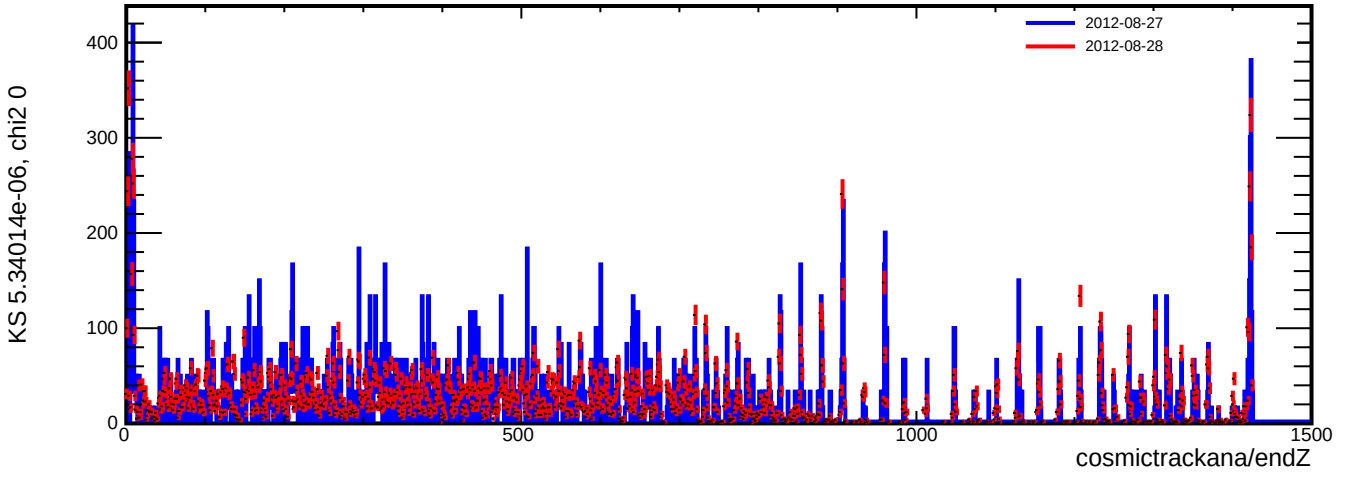

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dcosZ

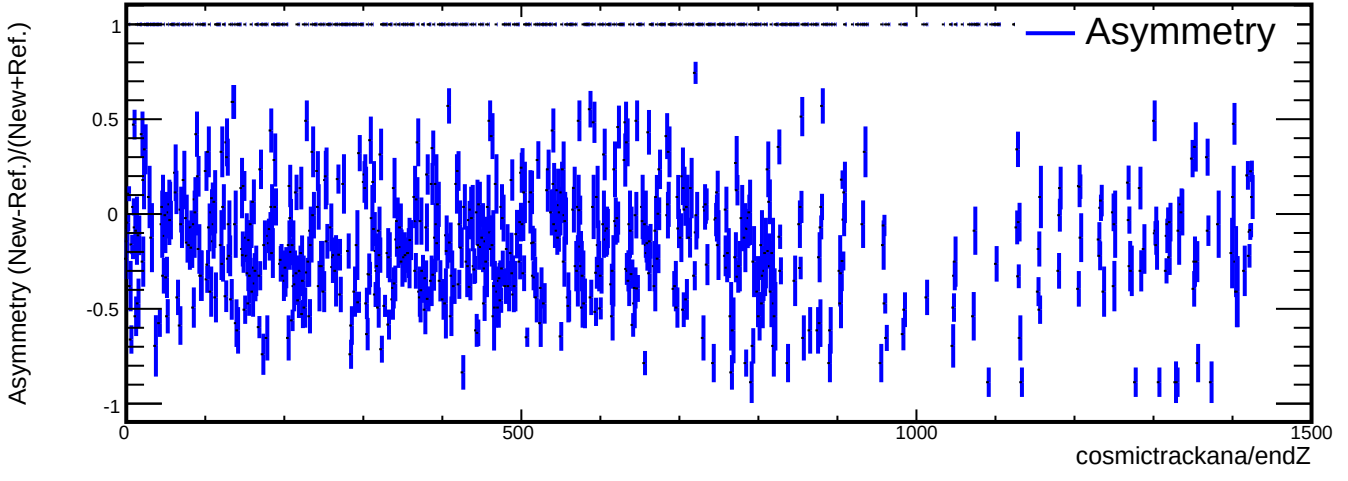

KS 5.62574e-15, chi2 0
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX
2012-08-27
2012-08-28

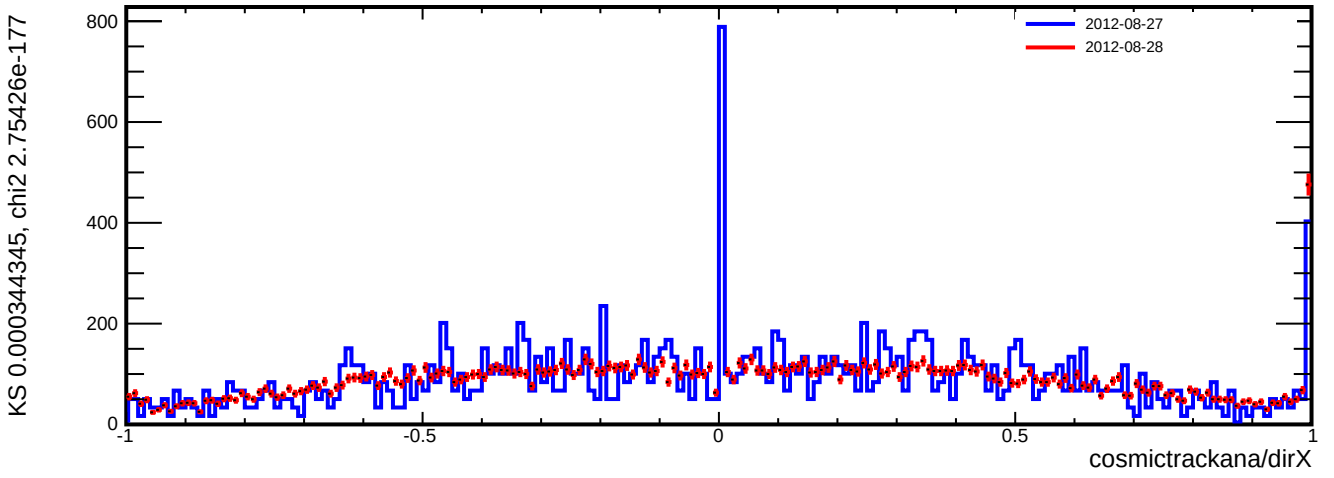

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/endX
Asymmetry

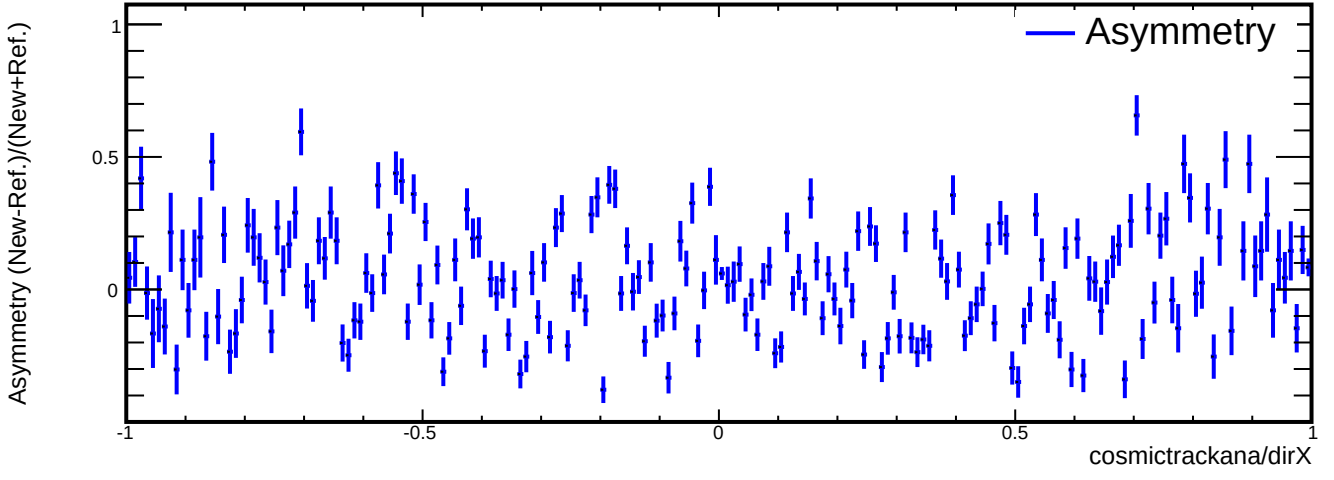

KS 3.37665e-10, chi2 0
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/endY
2012-08-27
2012-08-28

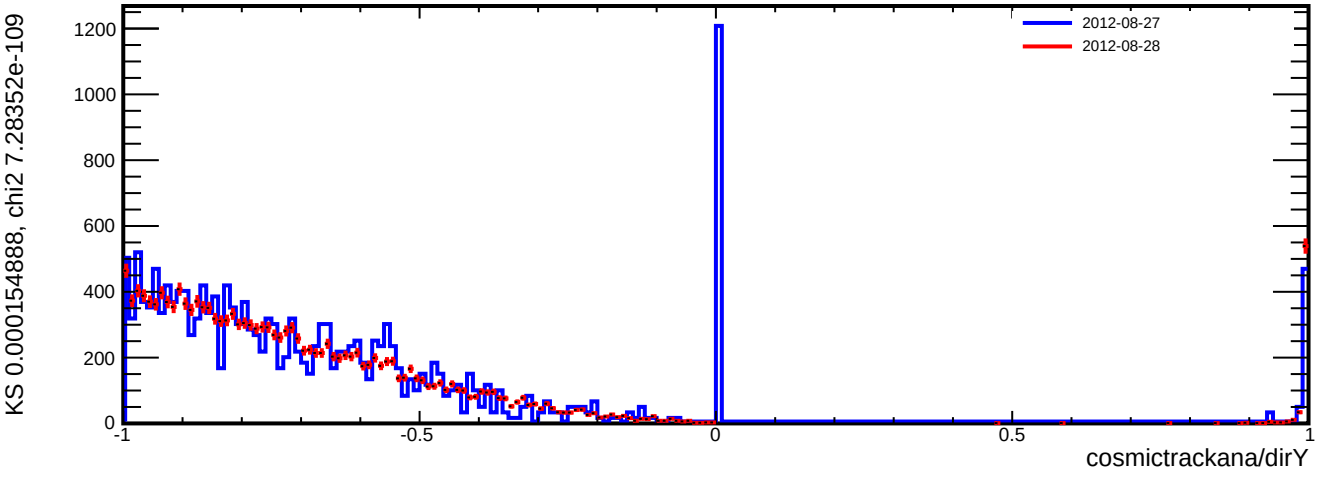

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/endY
Asymmetry

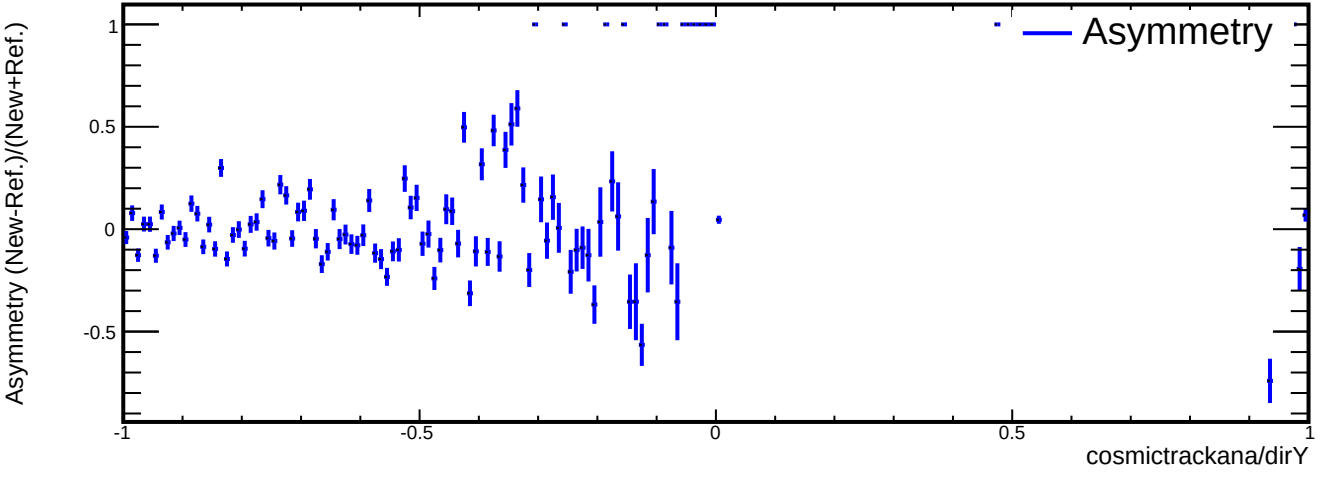

2012-08-27
2012-08-28
KS 5.34014e-06, chi2 0
400
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

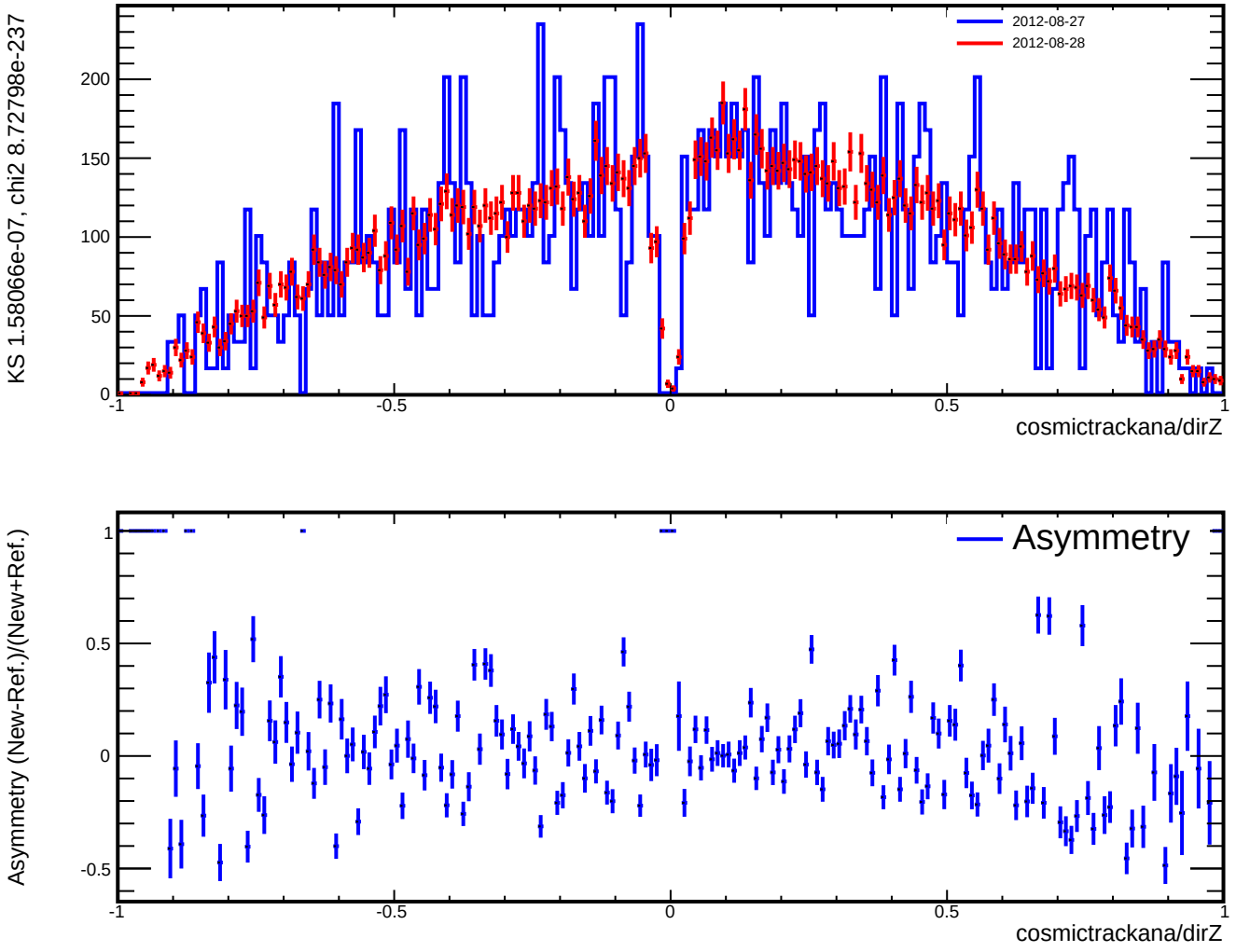

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/endZ

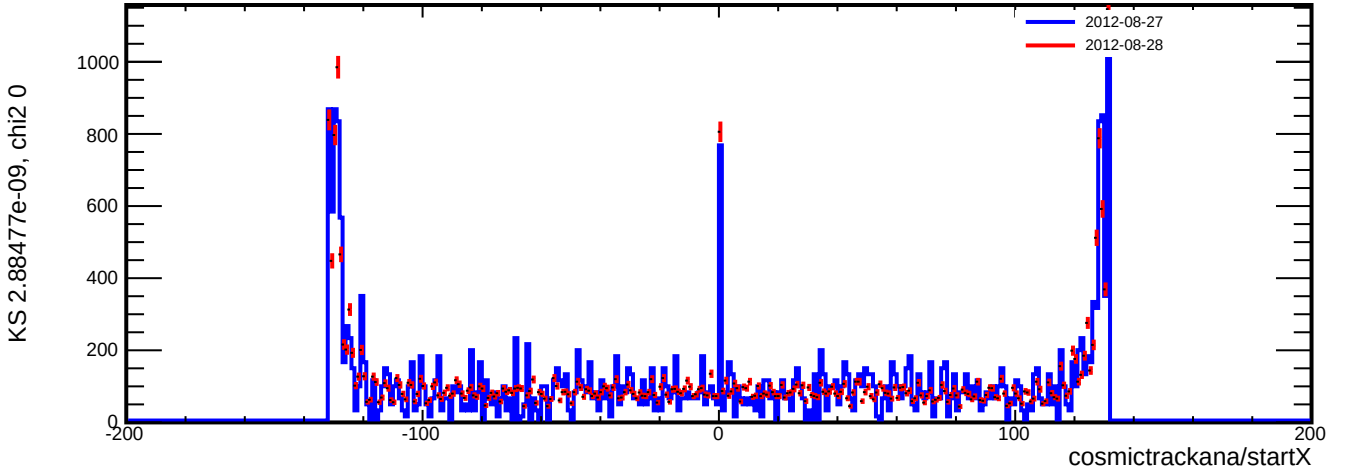

KS 0.000344345, chi2 2.75426e-177
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dirX
2012-08-27
2012-08-28

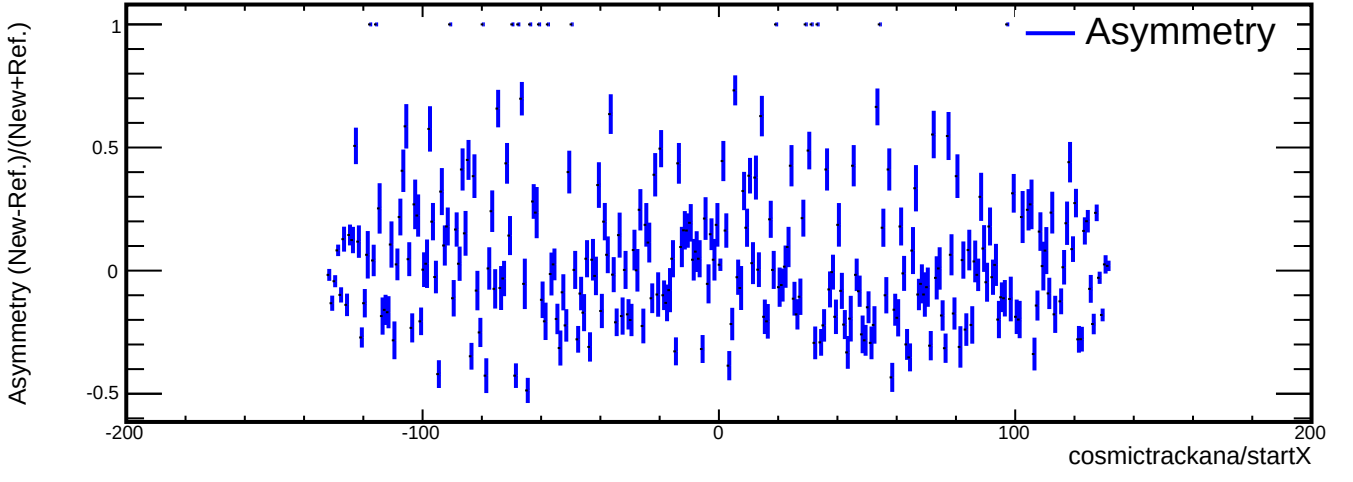

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-1
-0.5
0
0.5
1
cosmictrackana/dirX
Asymmetry

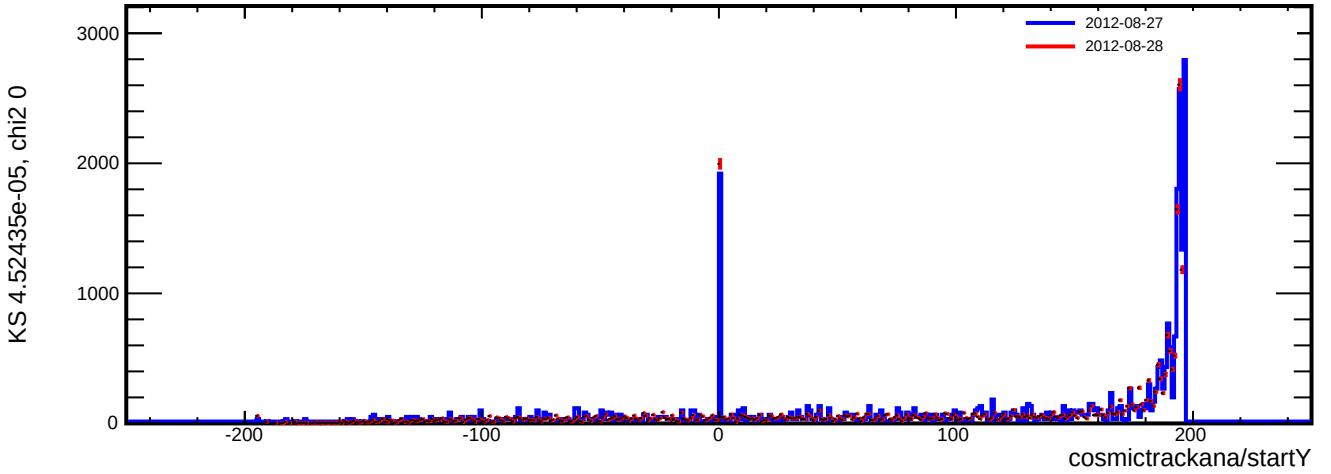

KS 0.000154888, chi2 7.28352e-109
2012-08-27
2012-08-28
cosmictrackana/dirY

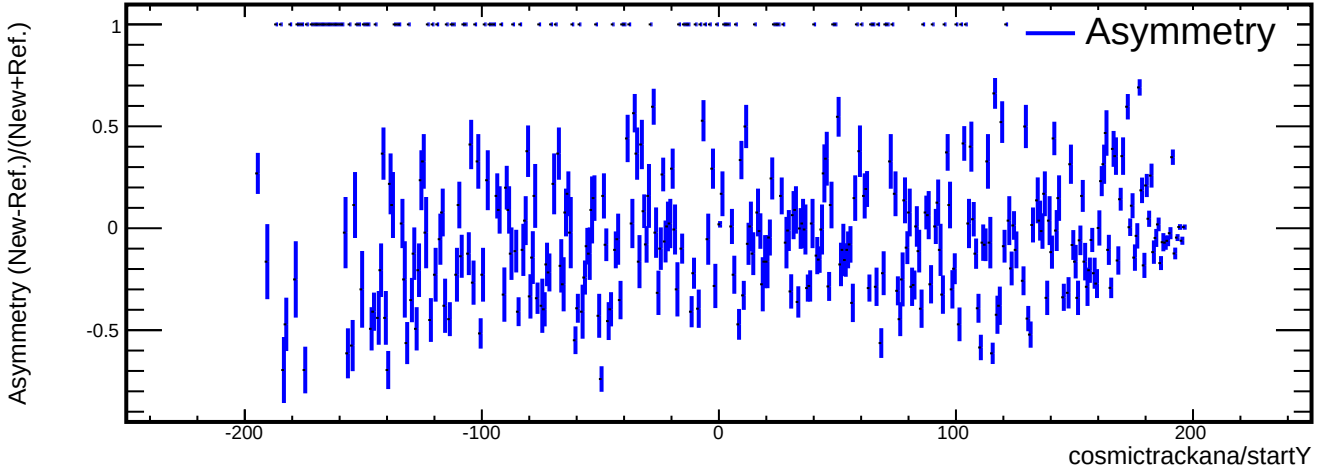

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dirY

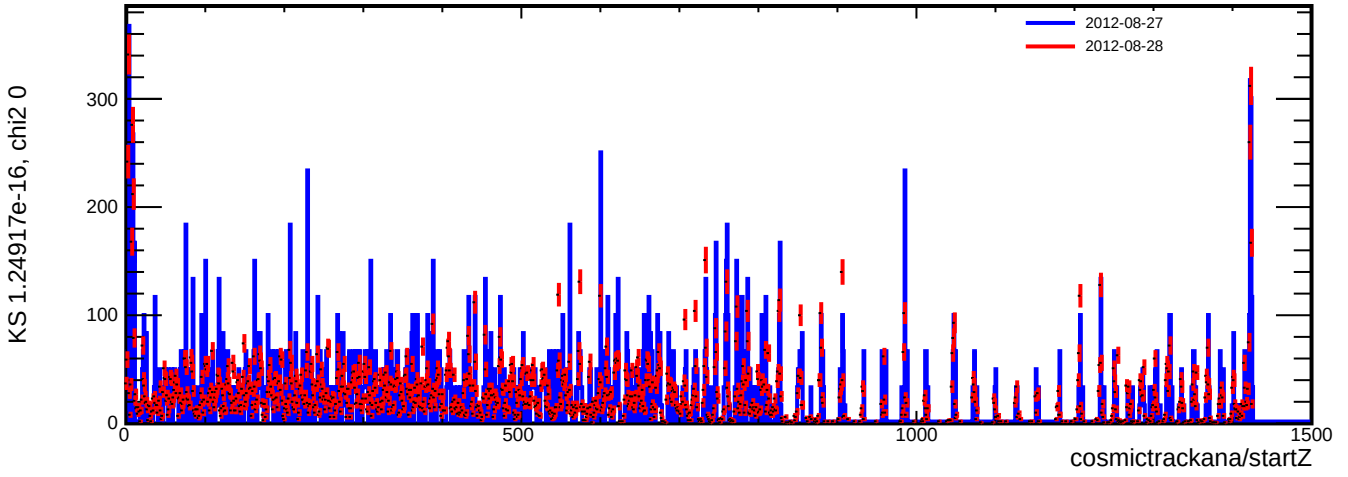

KS 1.58066e-07, chi2 8.72798e-237
2012-08-27
2012-08-28
cosmictrackana/dirZ
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/dirZ

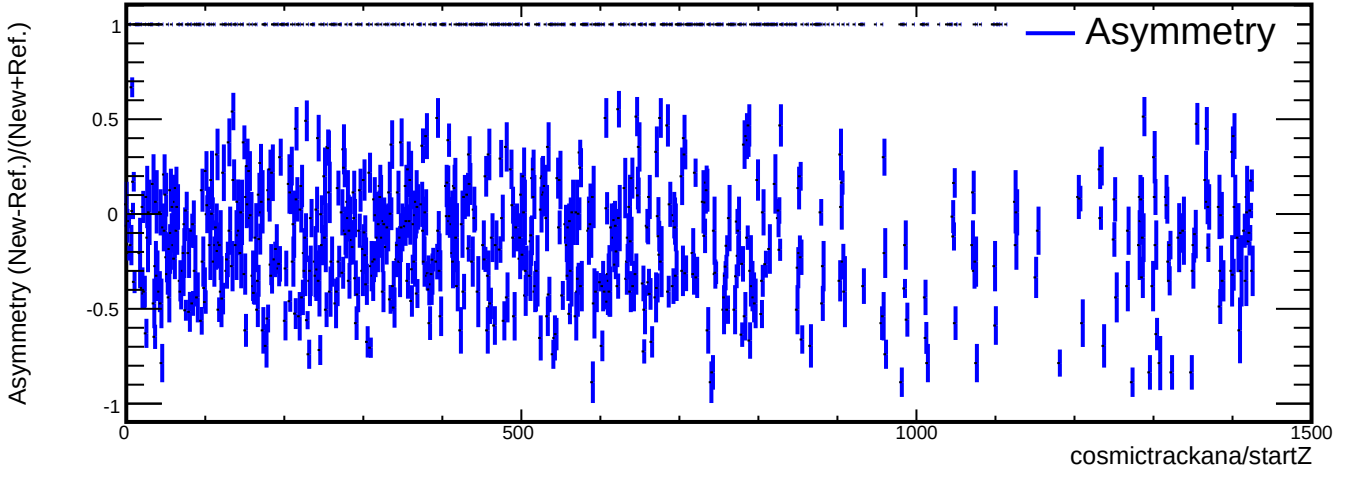

2012-08-27
2012-08-28
KS 2.88477e-09, chi2 0
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/startX

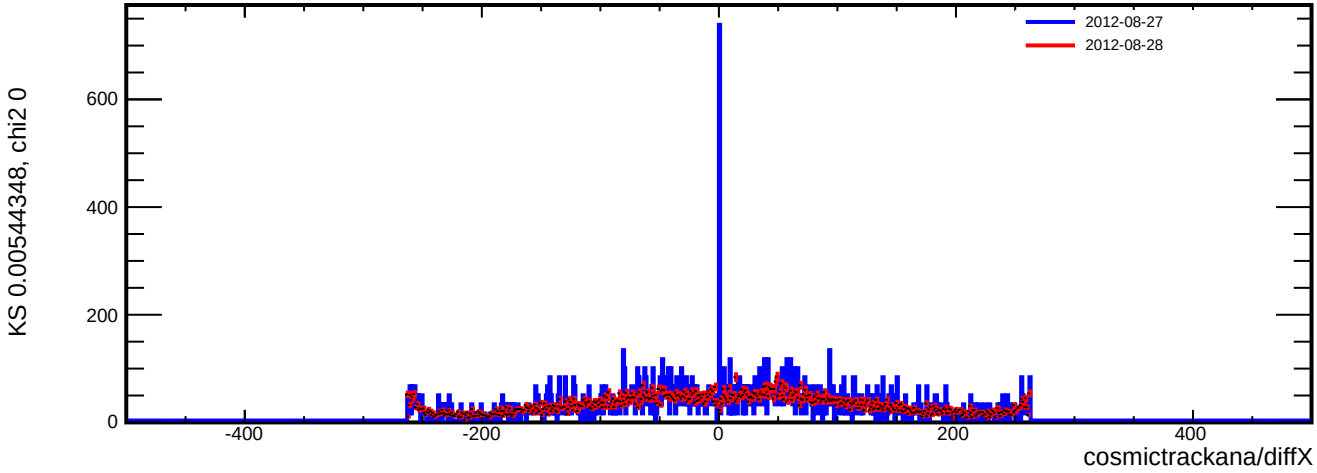

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/startX

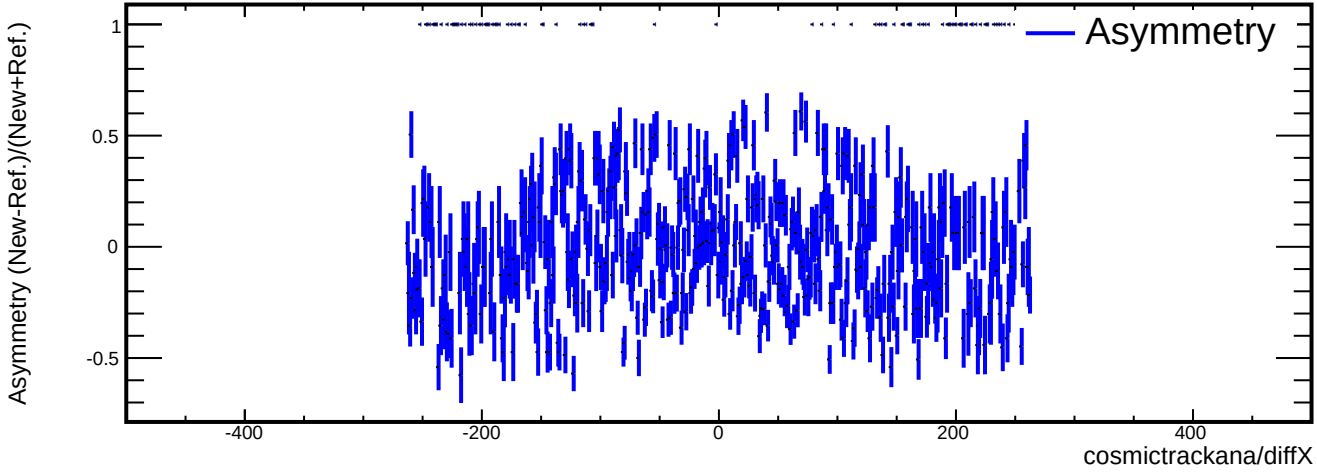

KS 4.52435e-05, chi2 0
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY
2012-08-27
2012-08-28

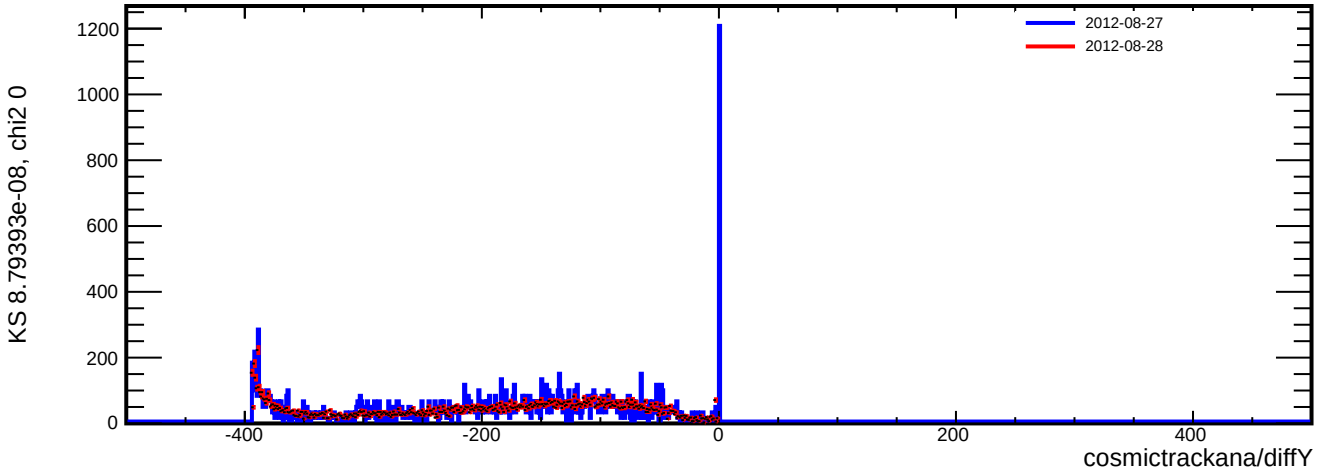

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/startY
Asymmetry

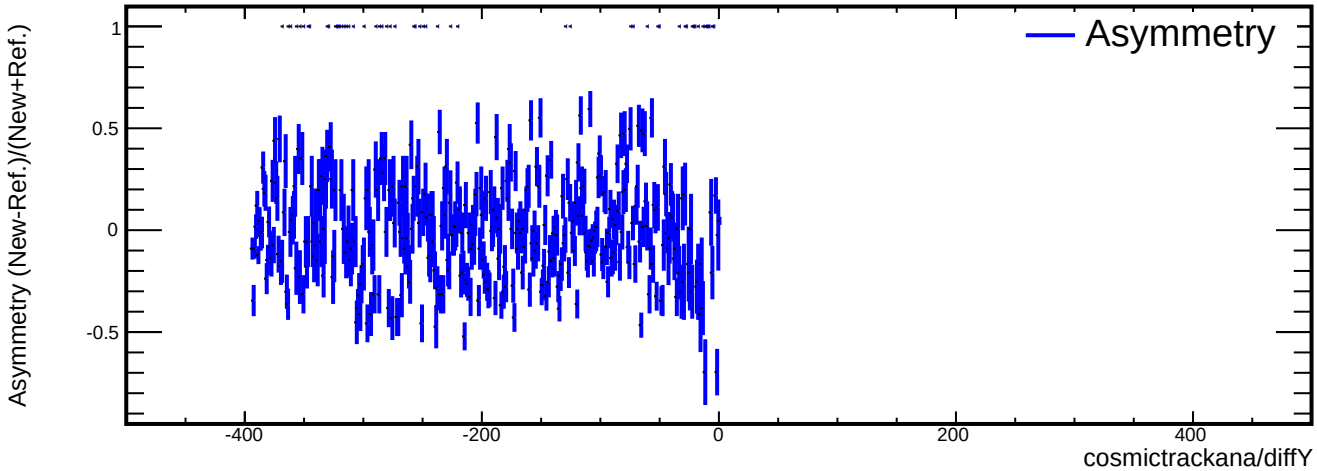

2012-08-27
2012-08-28
KS 1.24917e-16, chi2 0
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

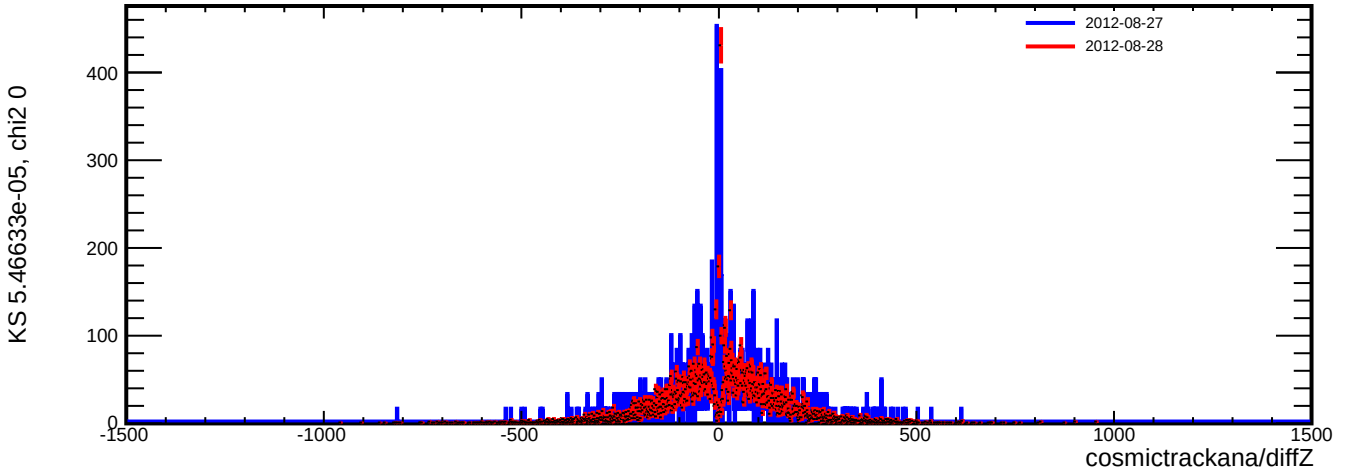

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/startZ

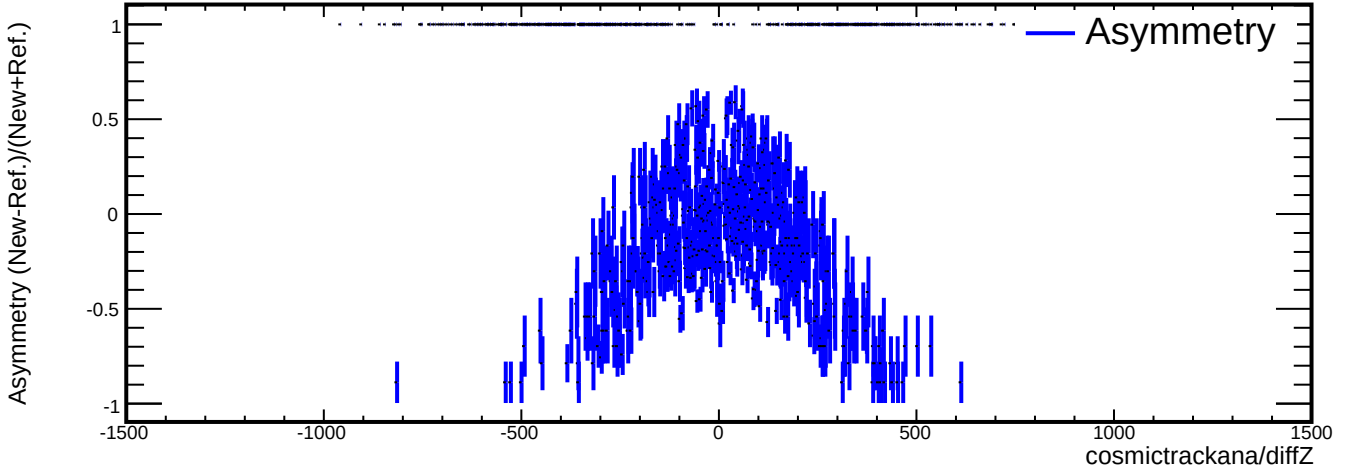

2012-08-27
2012-08-28
KS 0.00544348, chi2 0
600
400
200
0
-400
-200
0
200
400
cosmictrackana/diffX

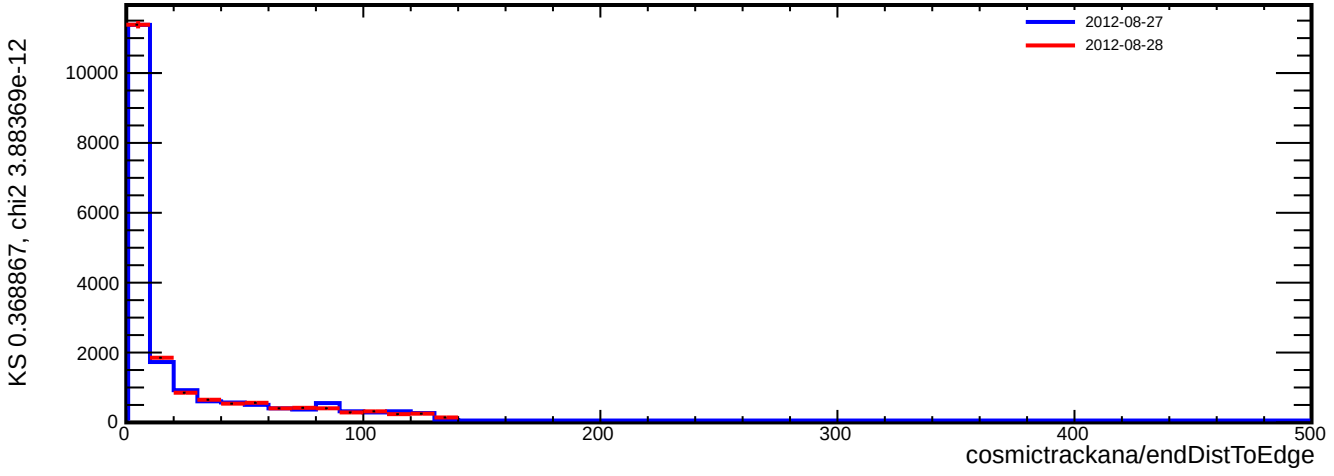

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-400
-200
0
200
400
cosmictrackana/diffX

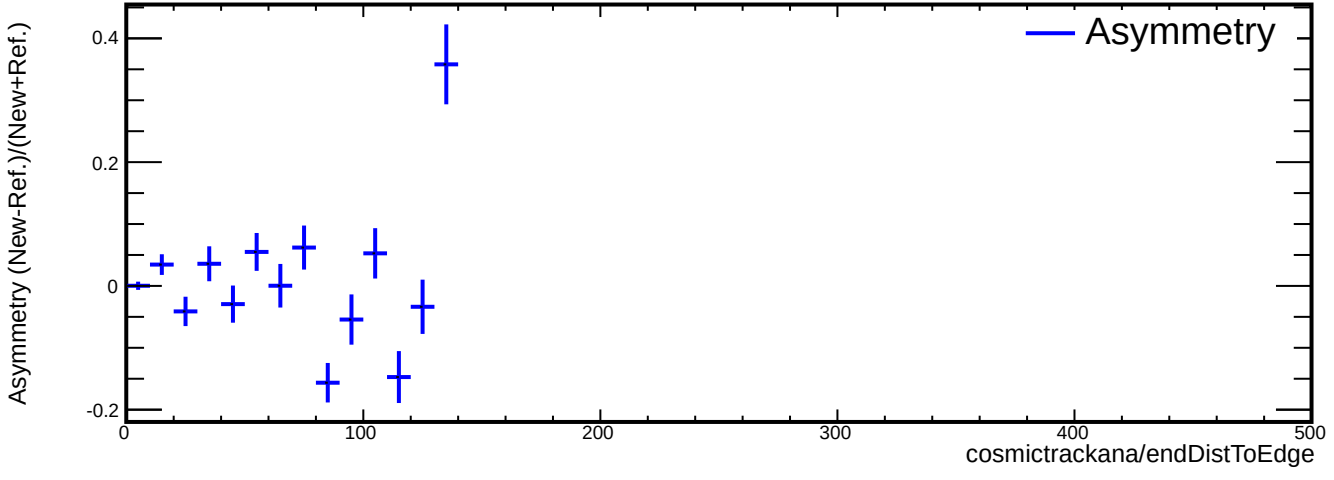

KS 8.79393e-08, chi2 0
1200
1000
800
600
400
200
0
-400
-200
0
200
400
cosmictrackana/diffY
2012-08-27
2012-08-28

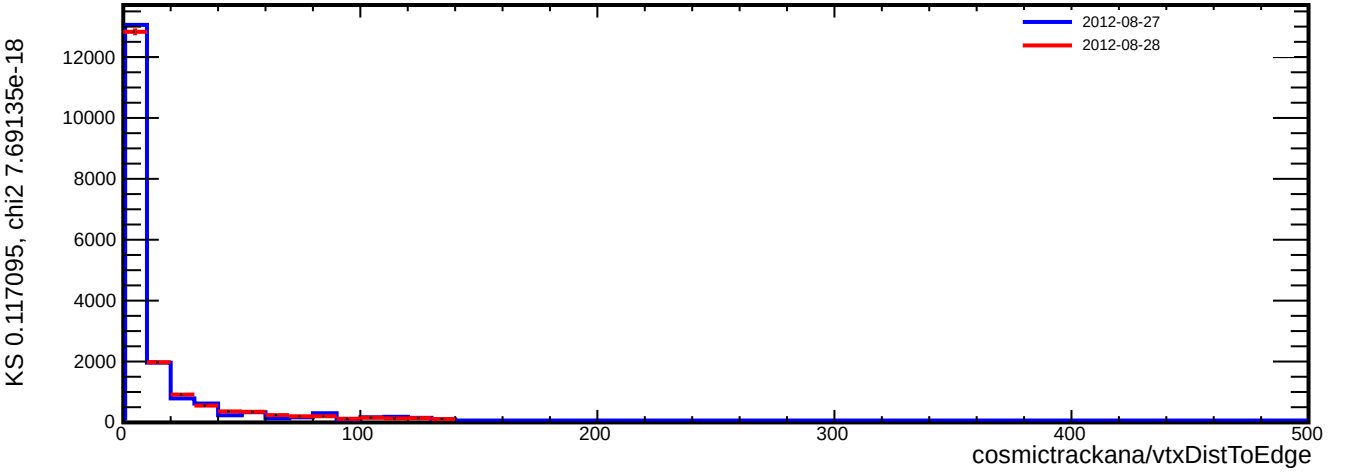

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-400
-200
0
200
400
cosmictrackana/diffY
Asymmetry

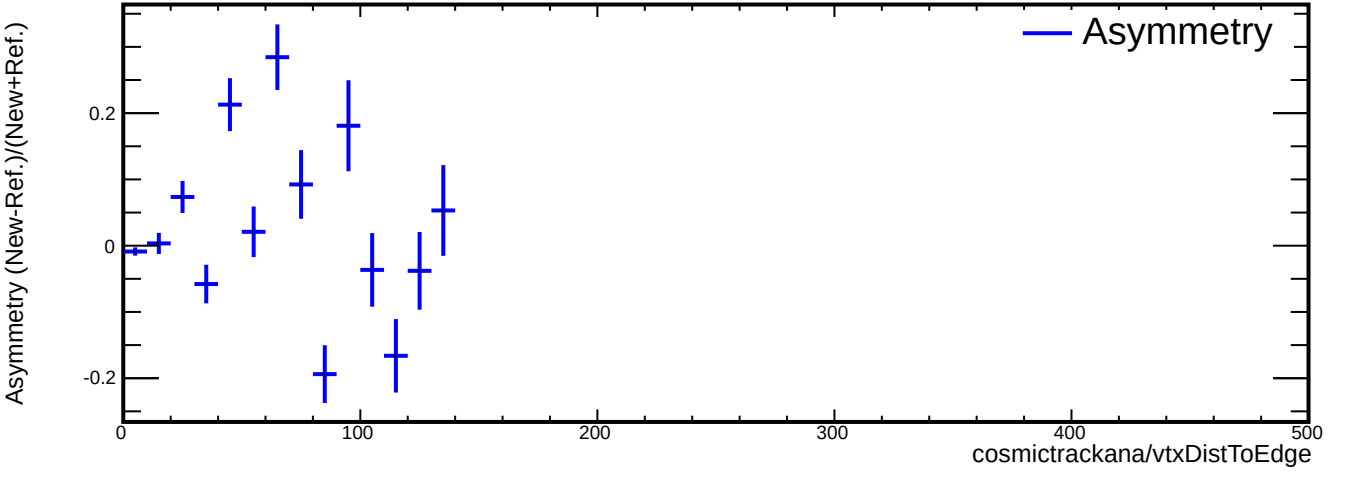

2012-08-27
2012-08-28
KS 5.46633e-05, chi2 0
400
300
200
100
0
-1500
-1000
-500
0
500
1000
1500
cosmictrackana/diffZ

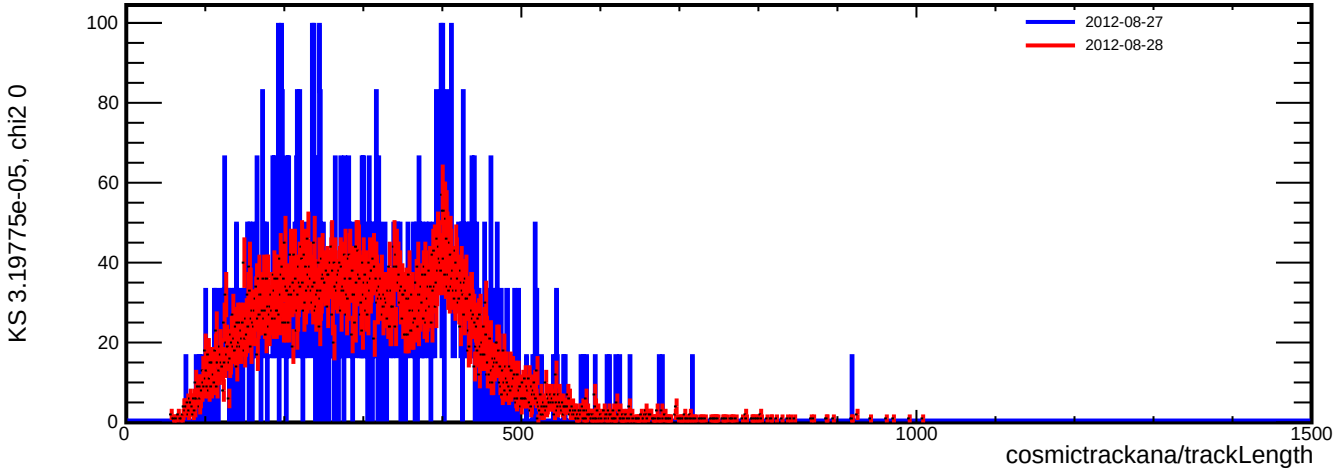

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-1500
-1000
-500
0
500
1000
1500
cosmictrackana/diffZ

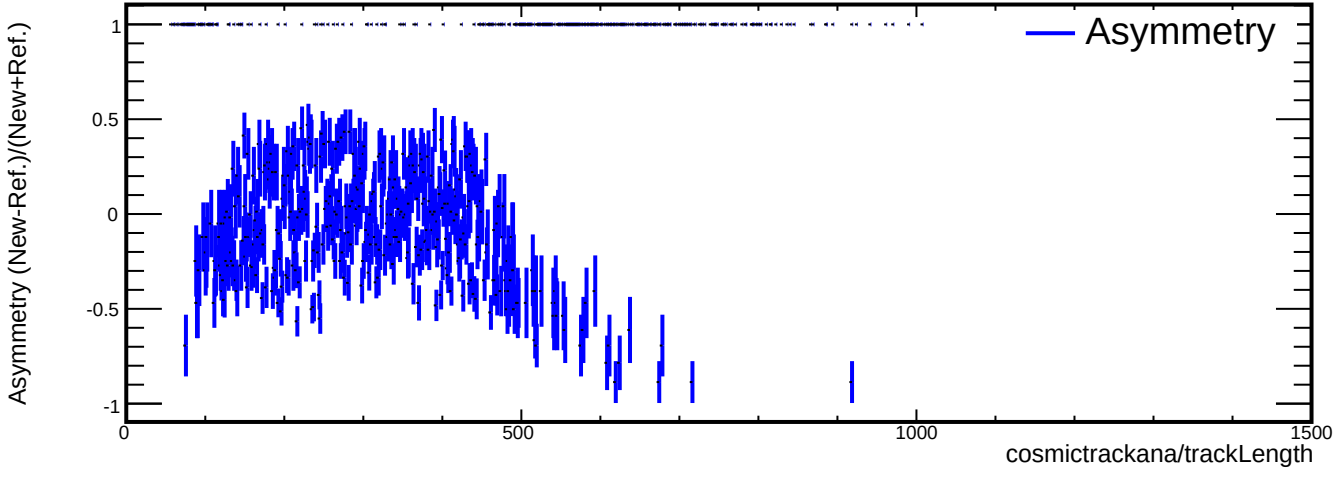

KS 0.368867, chi2 3.88369e-12
2012-08-27
2012-08-28
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
cosmictrackana/endDistToEdge

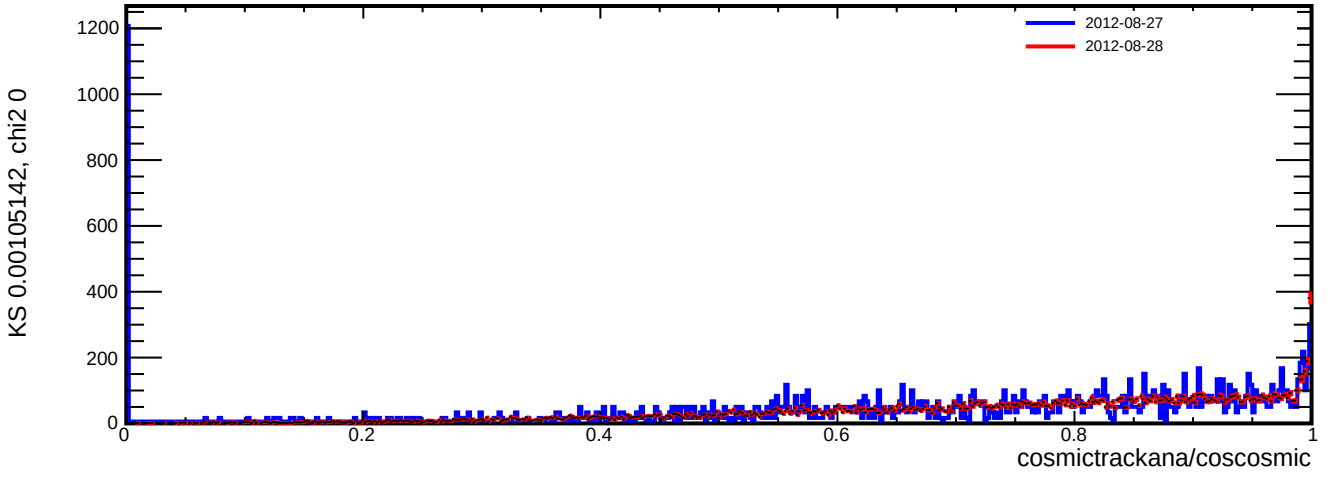

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.4
0.2
0
-0.2
0
100
200
300
400
500
cosmictrackana/endDistToEdge

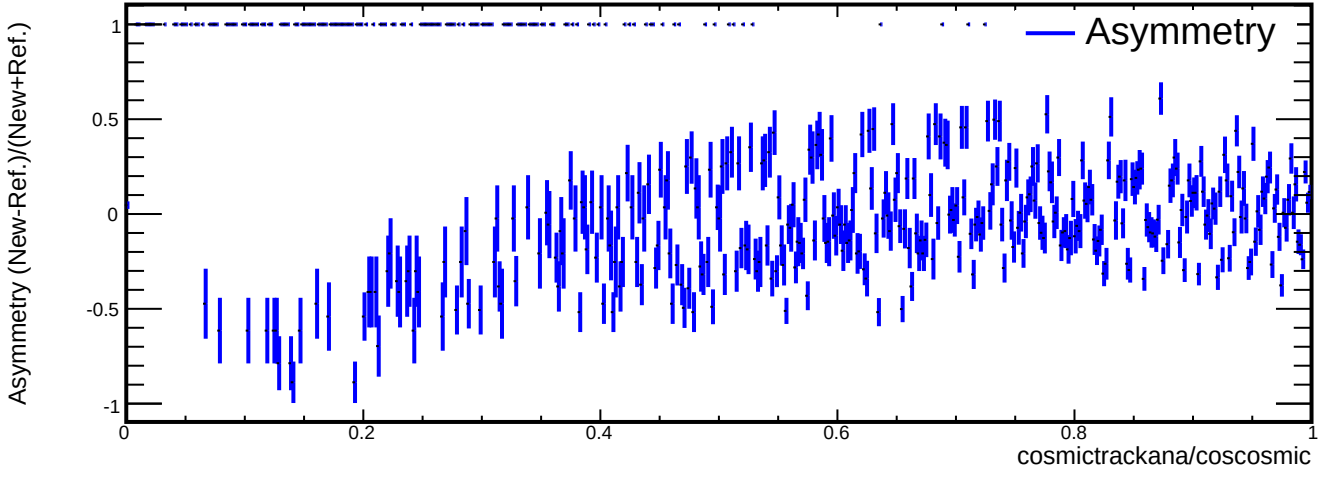

KS 0.117095, chi2 7.69135e-18
2012-08-27
2012-08-28
12000
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

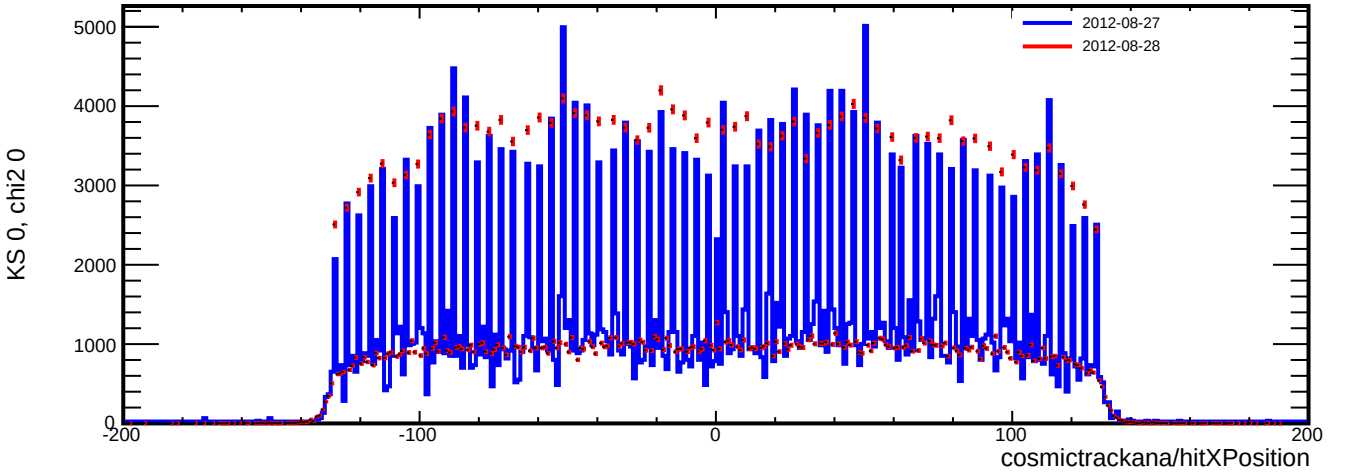

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.2
0
-0.2
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

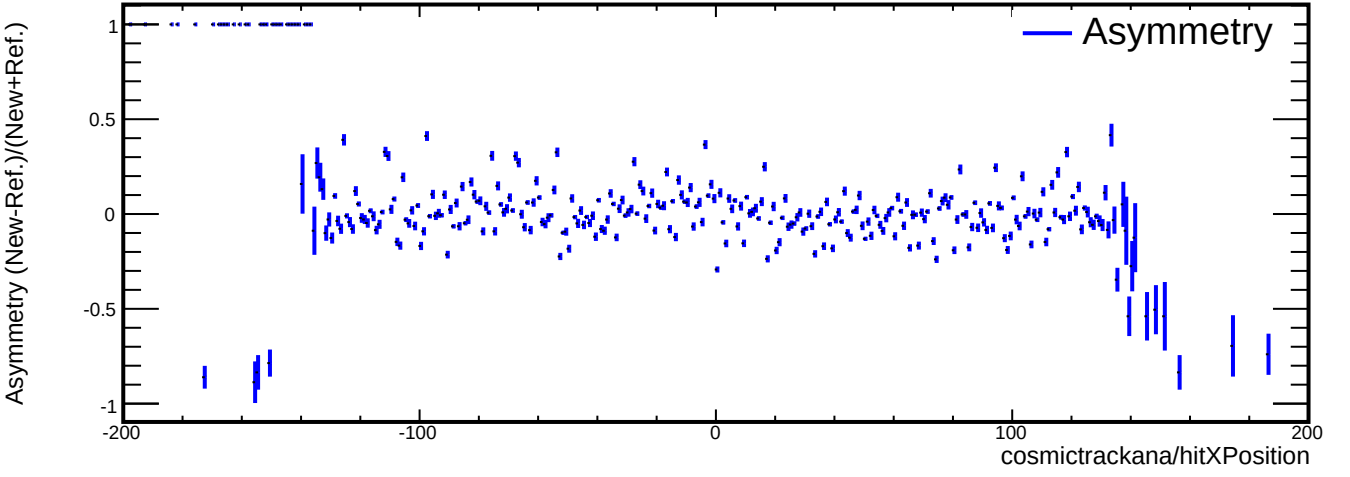

KS 3.19775e-05, chi2 0
100
80
60
40
20
0
0
500
1000
1500
cosmictrackana/trackLength
2012-08-27
2012-08-28

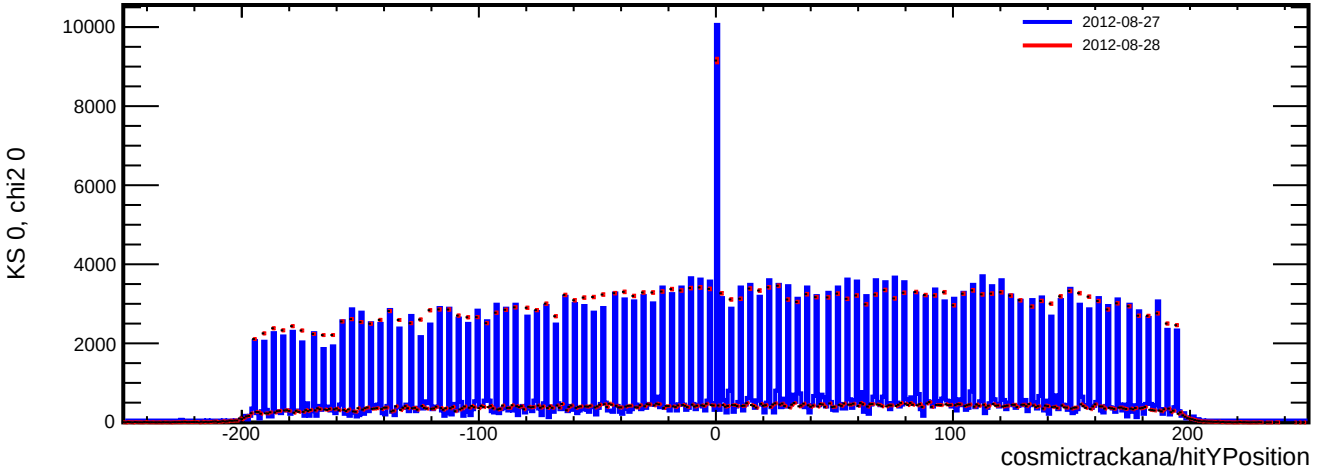

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
500
1000
1500
cosmictrackana/trackLength
Asymmetry

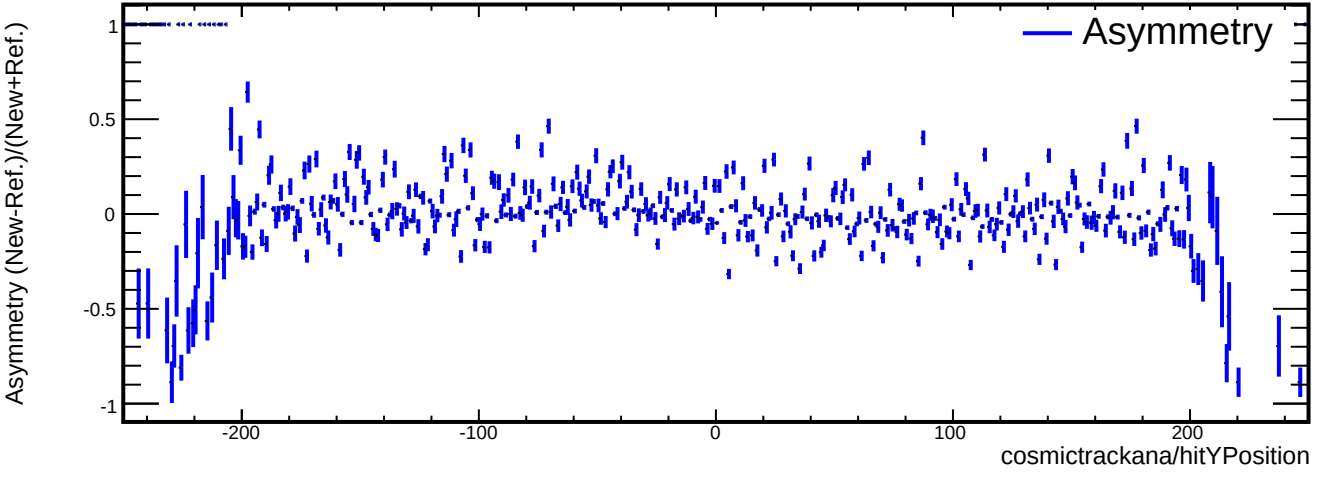

KS 0.00105142, chi2 0
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
cosmictrackana/coscosmic
2012-08-27
2012-08-28

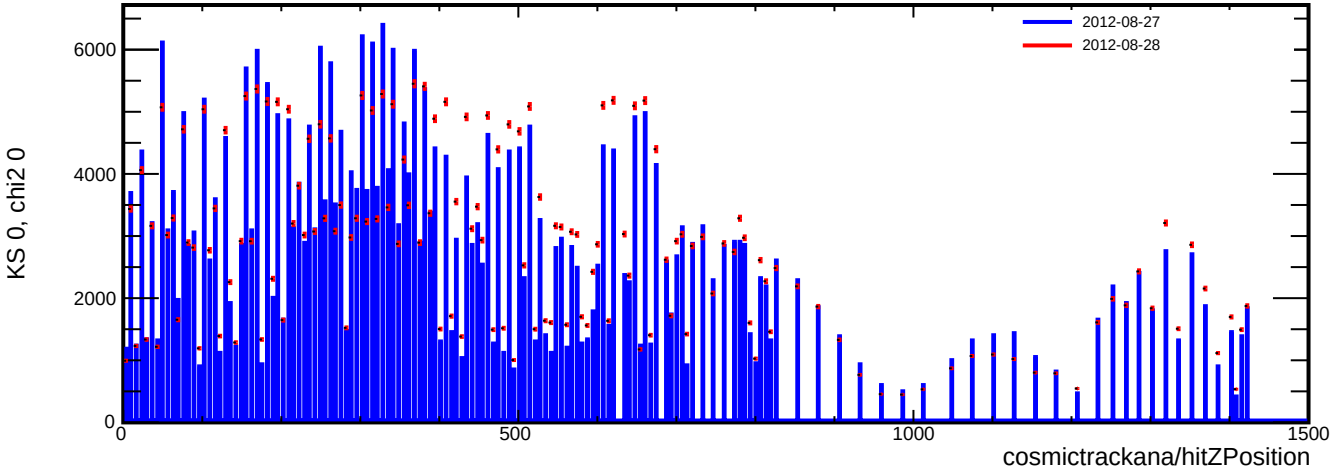

Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
0
0.2
0.4
0.6
0.8
1
cosmictrackana/coscosmic
Asymmetry

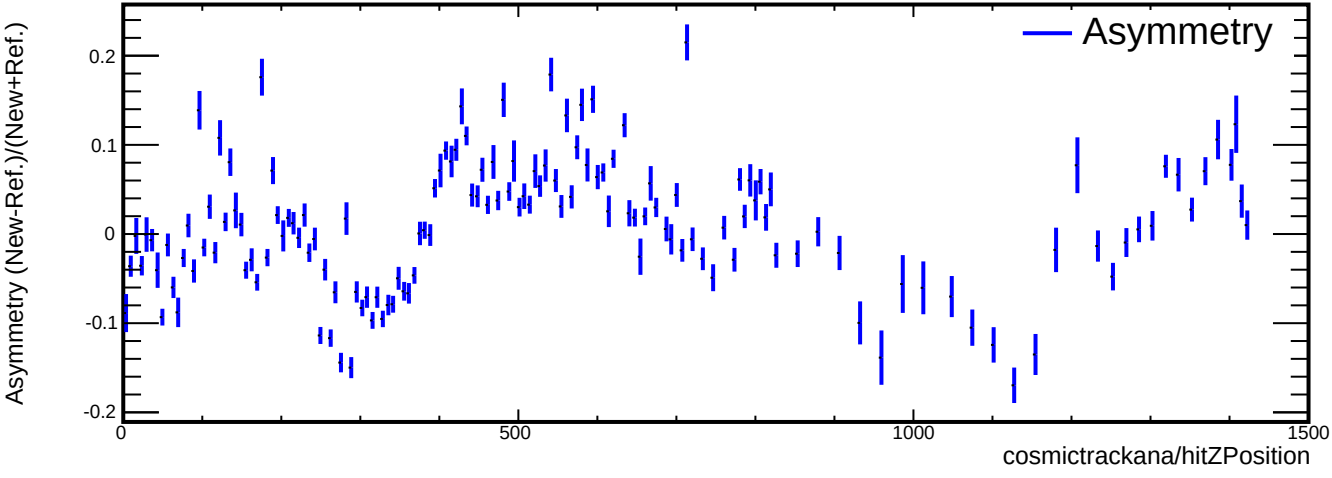

2012-08-27
2012-08-28
KS 0, chi2 0
cosmictrackana/hitXPosition

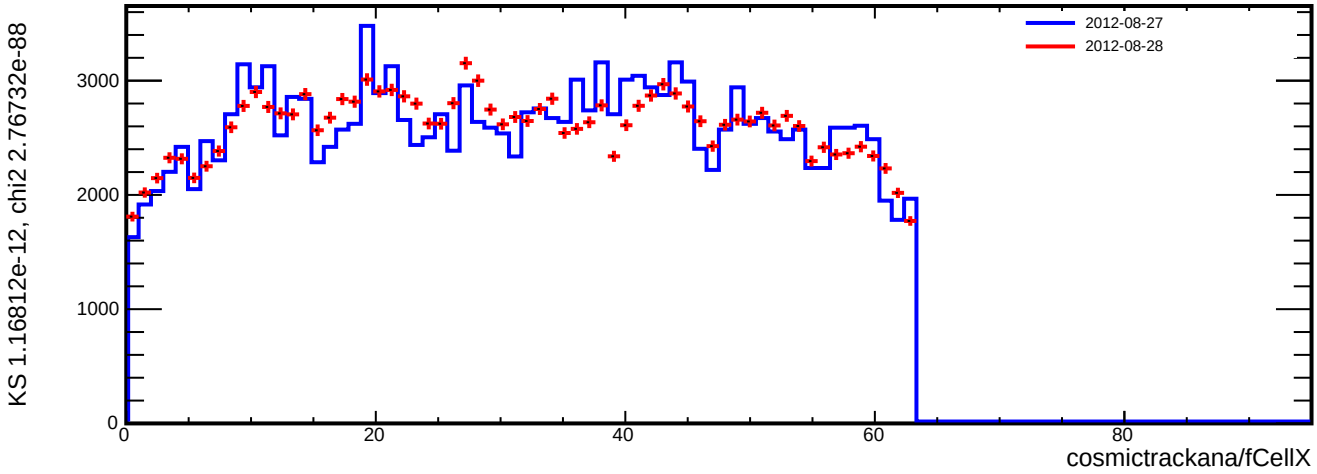

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
cosmictrackana/hitXPosition

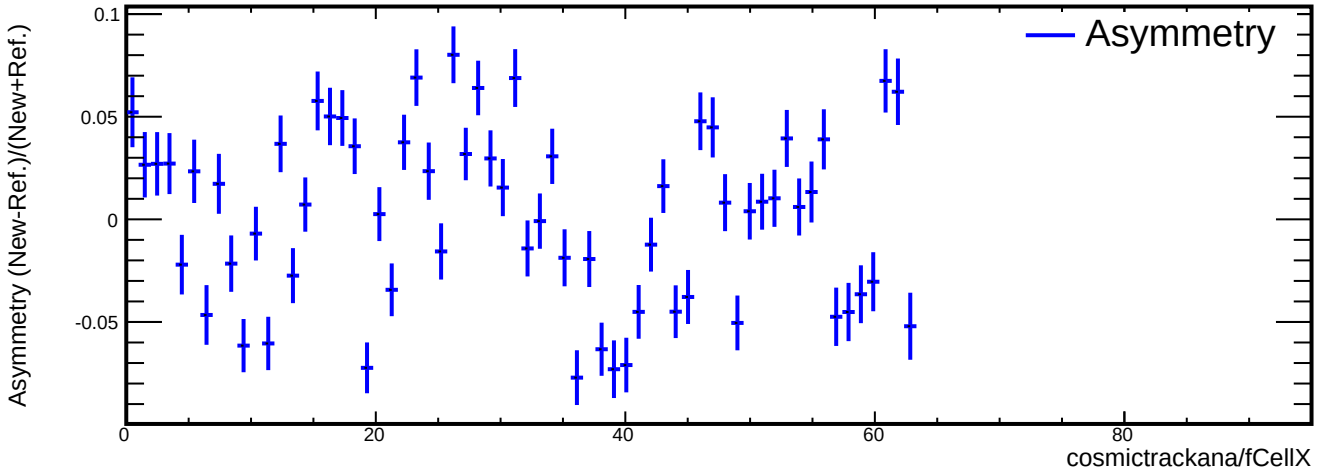

2012-08-27
2012-08-28
KS 0, chi2 0
10000
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

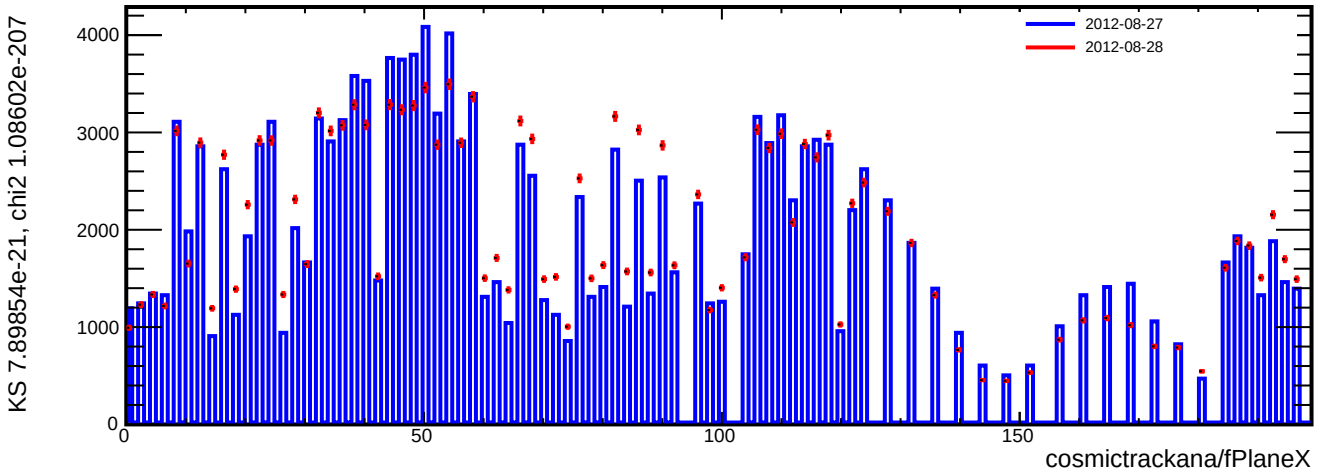

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
-1
-200
-100
0
100
200
cosmictrackana/hitYPosition

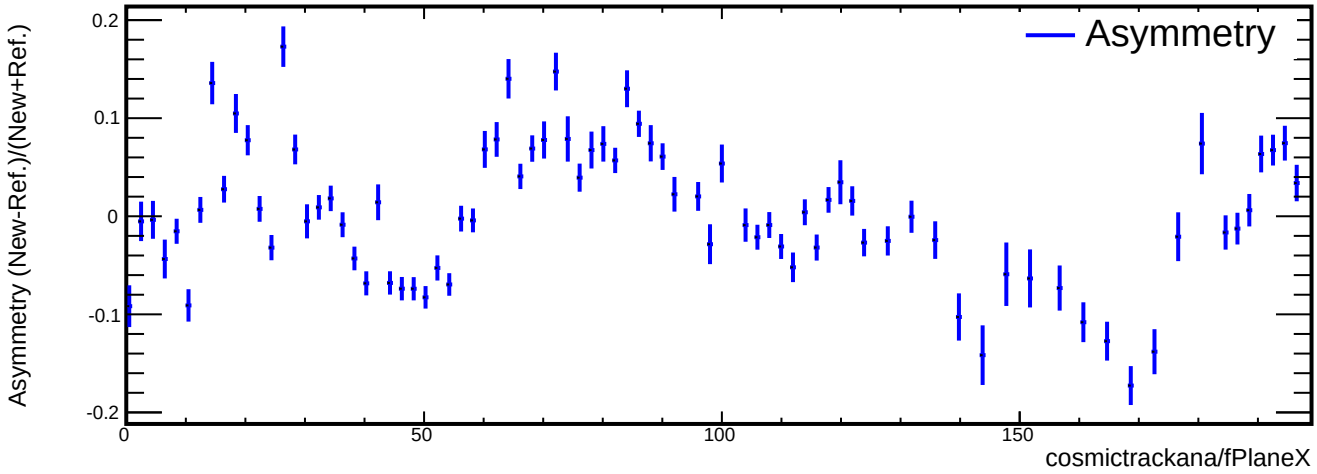

2012-08-27
2012-08-28
KS 0, chi2 0
6000
4000
2000
0
0
500
1000
1500
cosmictrackana/hitZPosition

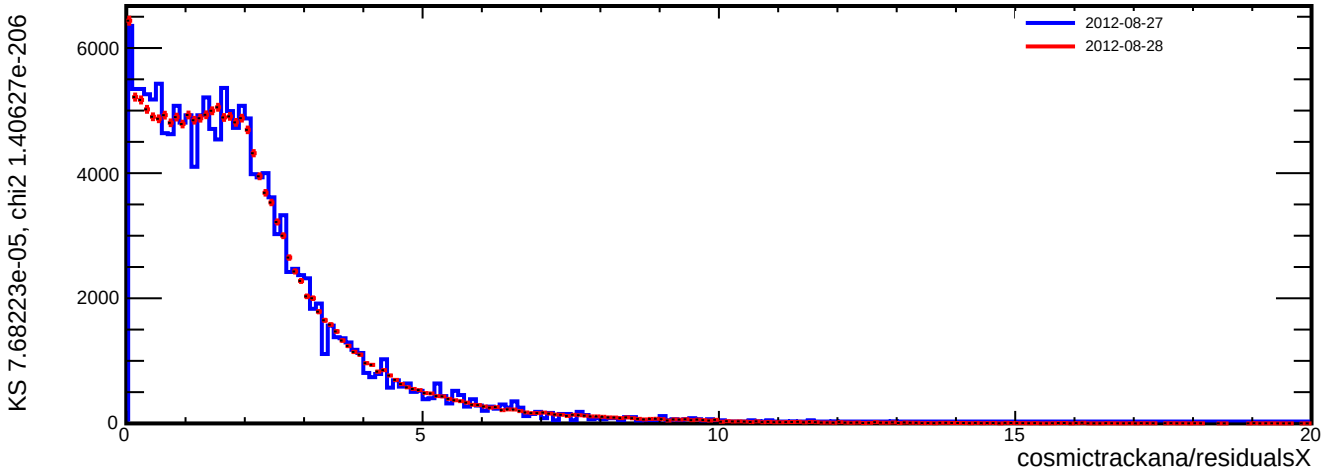

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.2
0.1
0
-0.1
-0.2
0
500
1000
1500
cosmictrackana/hitZPosition

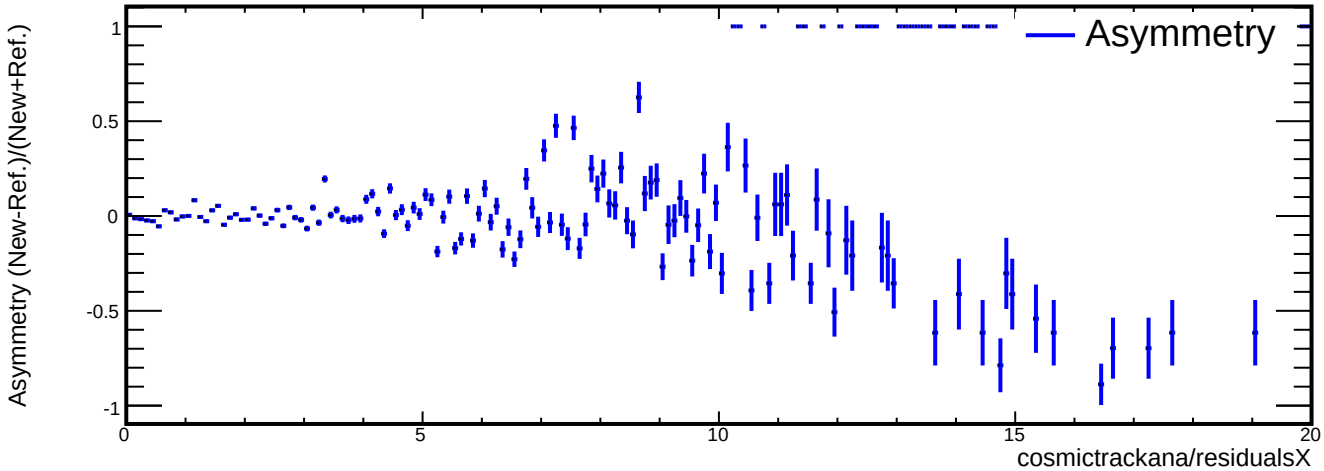

KS 1.16812e-12, chi2 2.76732e-88
2012-08-27
2012-08-28
0
1000
2000
3000
0
20
40
60
80
cosmictrackana/fCellX

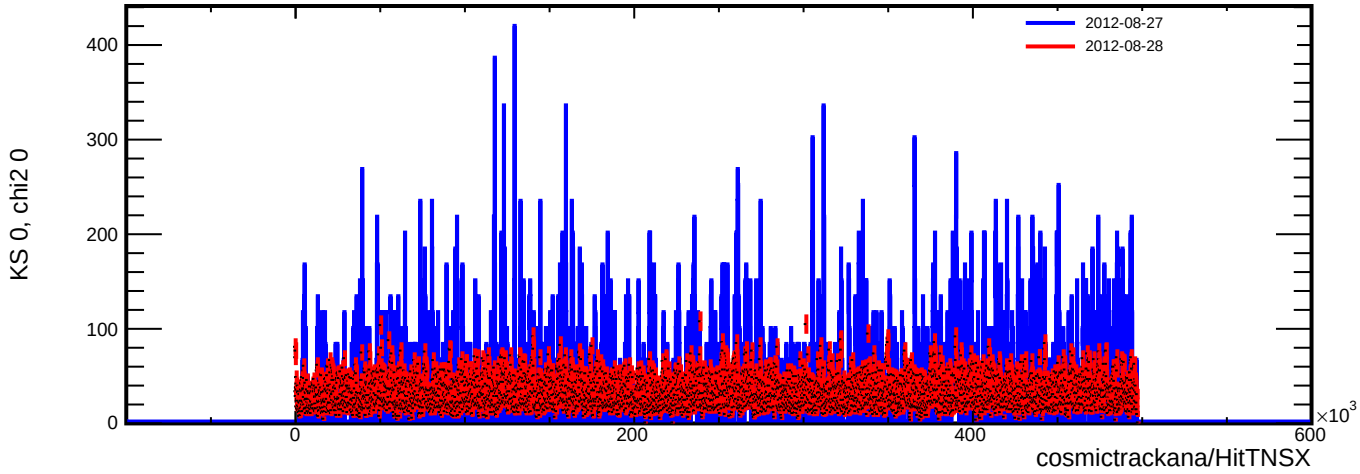

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
0
20
40
60
80
cosmictrackana/fCellX

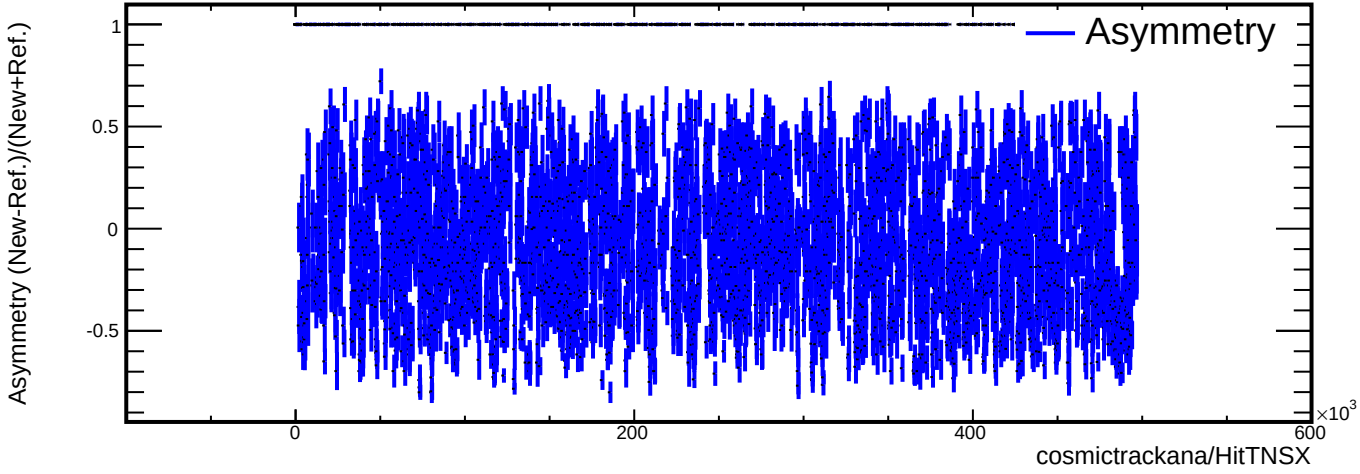

KS 7.89854e-21, chi2 1.08602e-207
2012-08-27
2012-08-28
cosmictrackana/fPlaneX

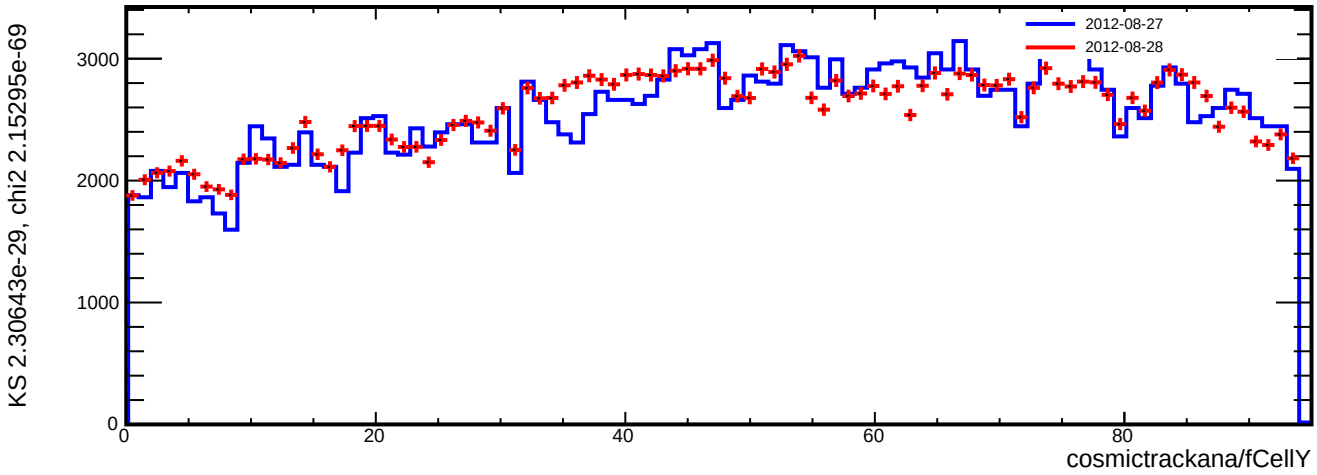

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
cosmictrackana/fPlaneX

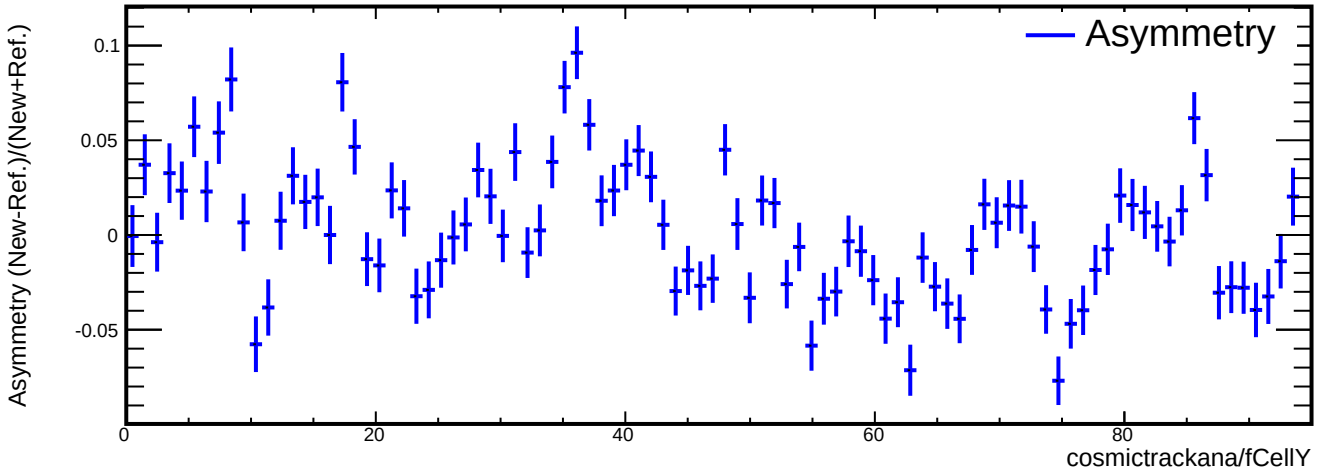

KS 7.68223e-05, chi2 1.40627e-206
2012-08-27
2012-08-28
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX

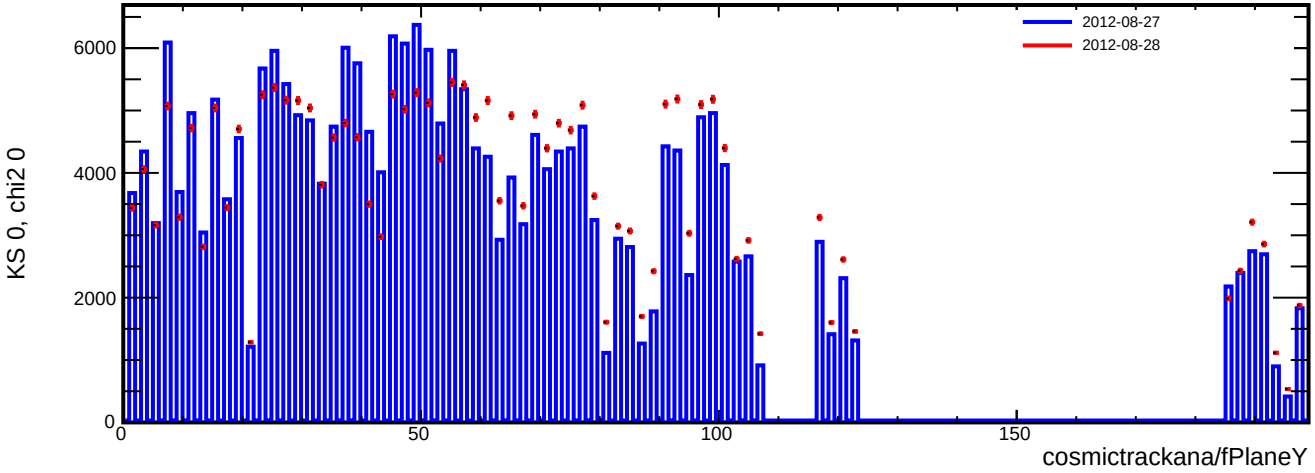

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsX

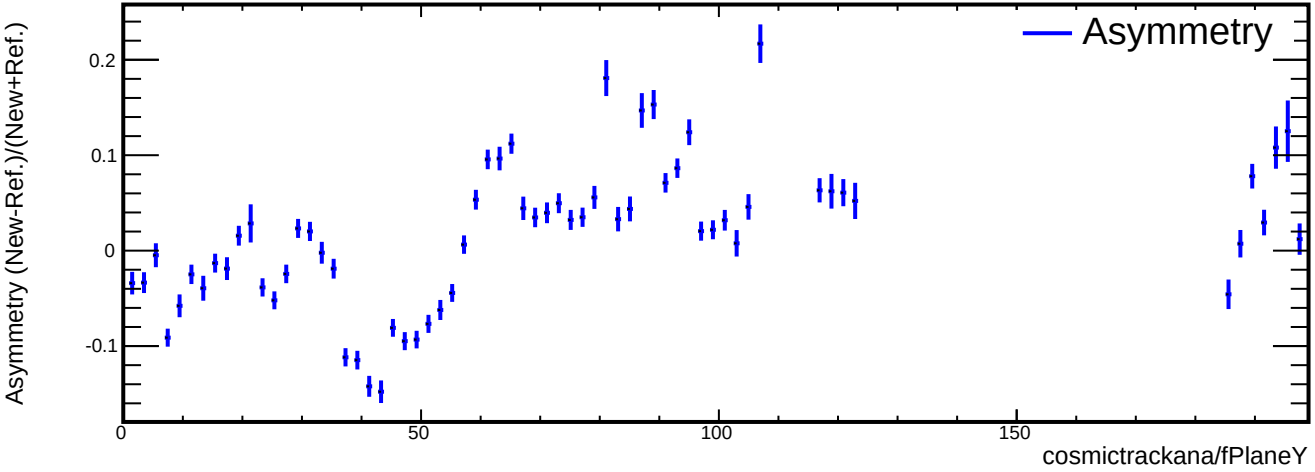

2012-08-27
2012-08-28
KS 0, chi2 0
400
300
200
100
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

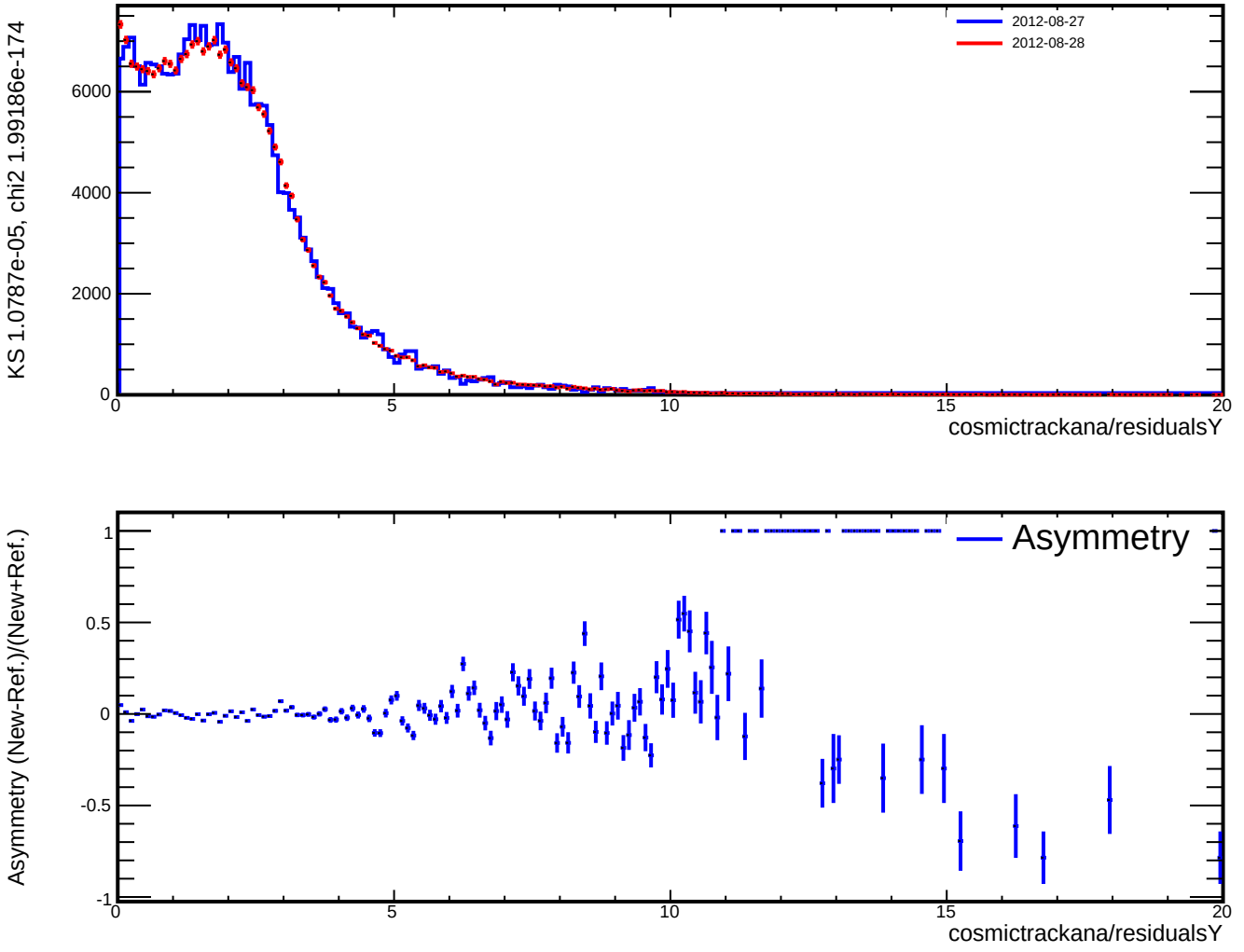

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
1
0.5
0
-0.5
0
200
400
600
×10^3
cosmictrackana/HitTNSX

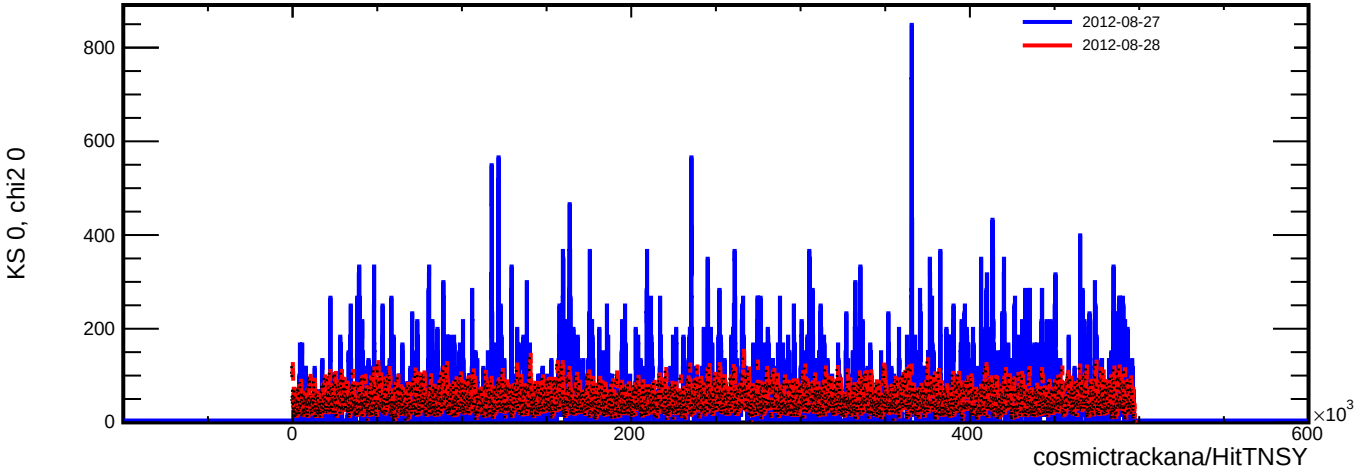

KS 2.30643e-29, chi2 2.15295e-69
2012-08-27
2012-08-28
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY

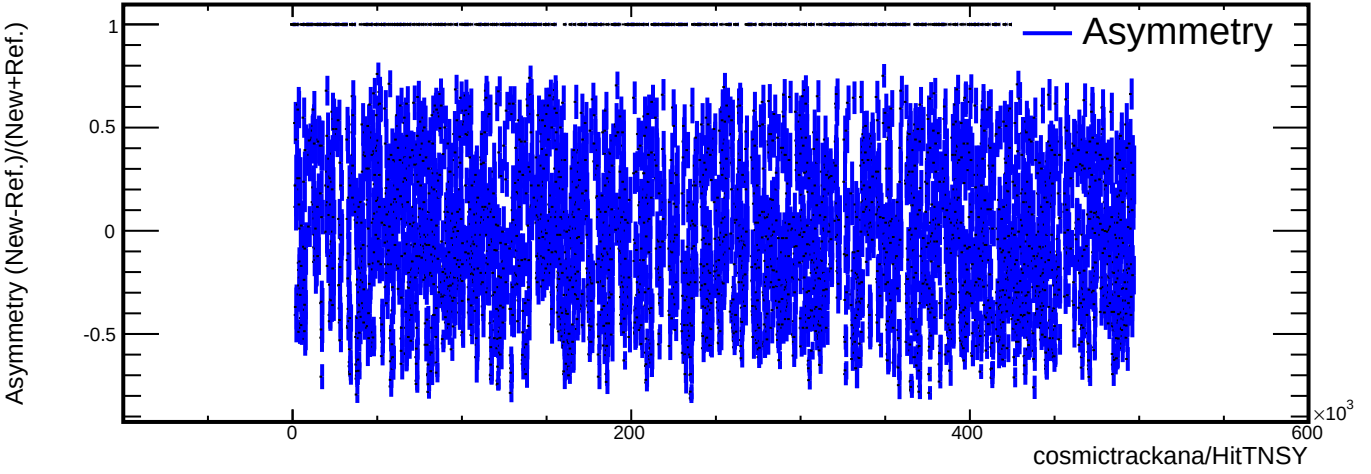

Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
0.1
0.05
0
-0.05
0
20
40
60
80
cosmictrackana/fCellY


2012-08-27
2012-08-28
KS 0, chi2 0
6000
4000
2000
0
0
50
100
150
cosmictrackana/fPlaneY


Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.2
0.1
0
-0.1
0
50
100
150
cosmictrackana/fPlaneY


KS 1.0787e-05, chi2 1.99186e-174
2012-08-27
2012-08-28
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsY
Asymmetry (New-Ref.)/(New+Ref.)
Asymmetry
1
0.5
0
-0.5
-1
0
5
10
15
20
cosmictrackana/residualsY


2012-08-27
2012-08-28
KS 0, chi2 0
800
600
400
200
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


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