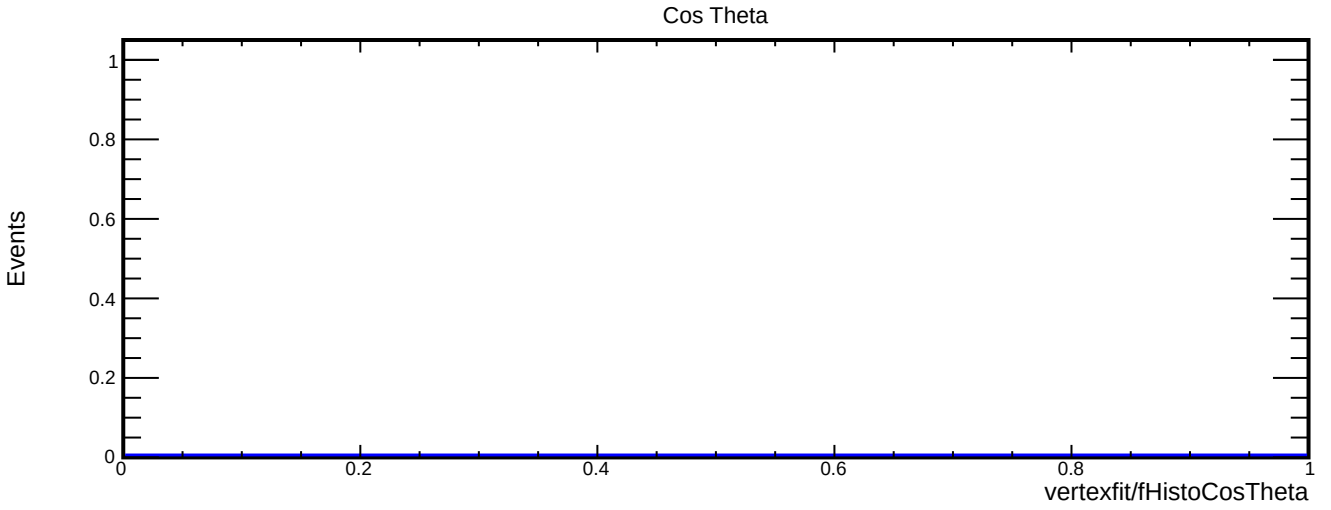
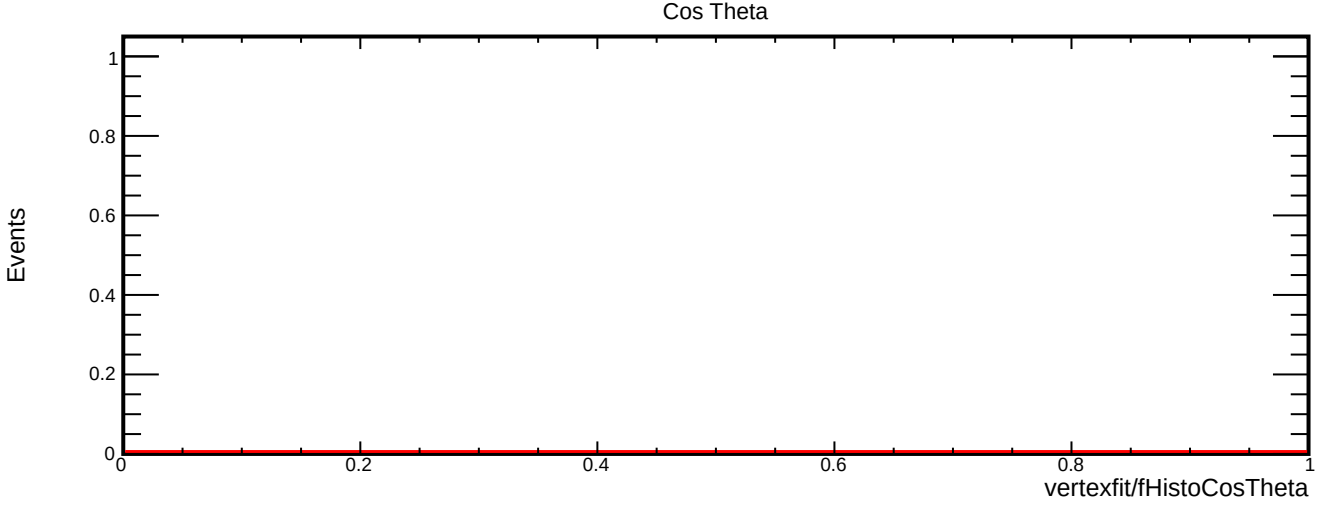
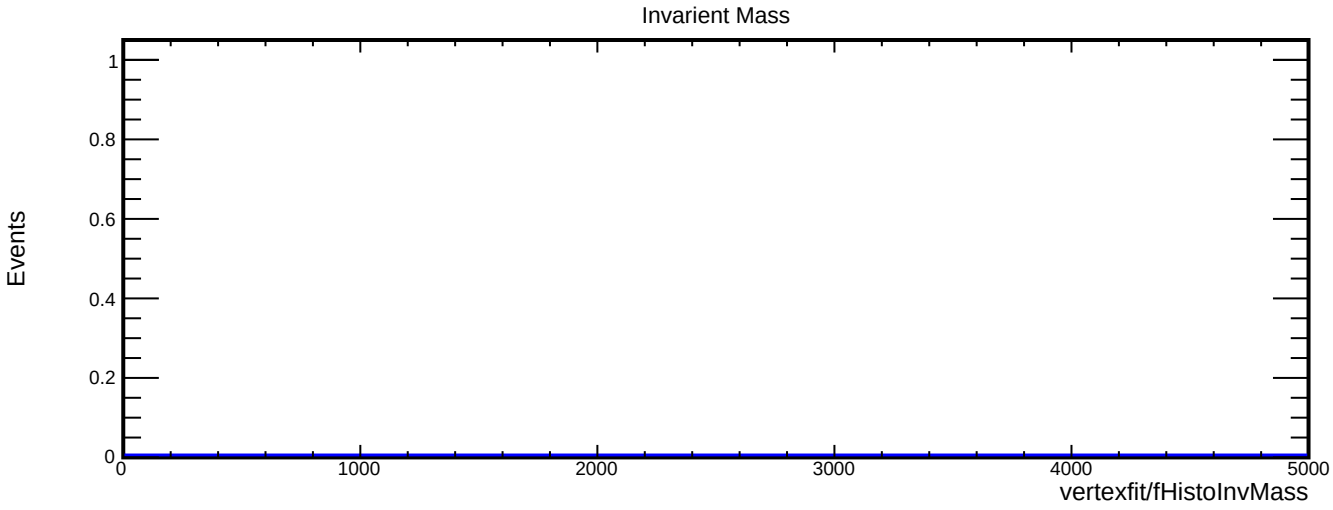
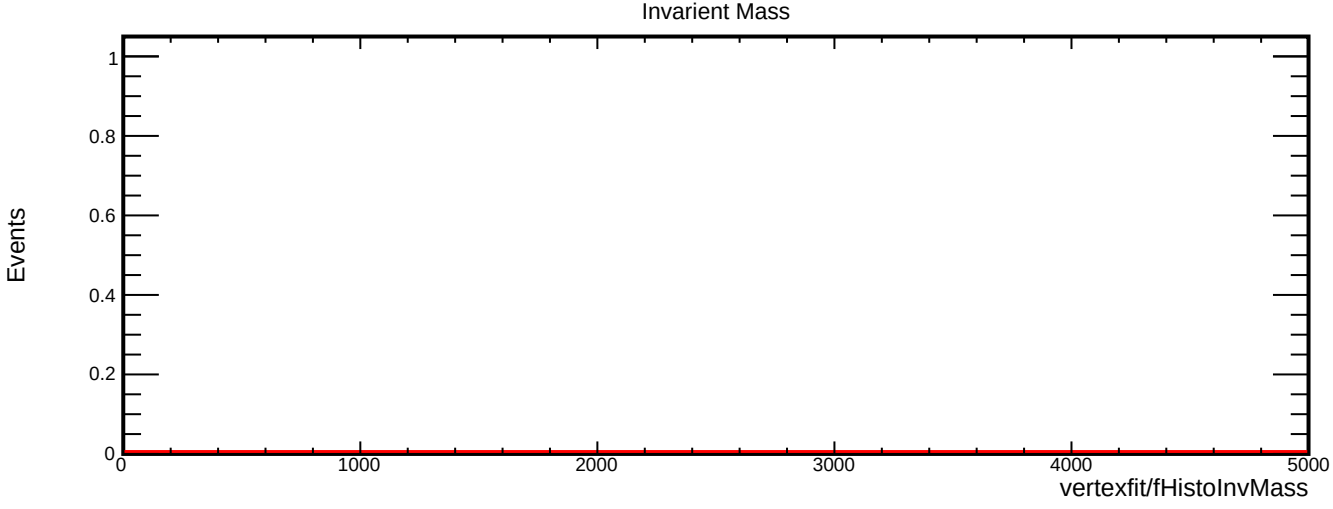
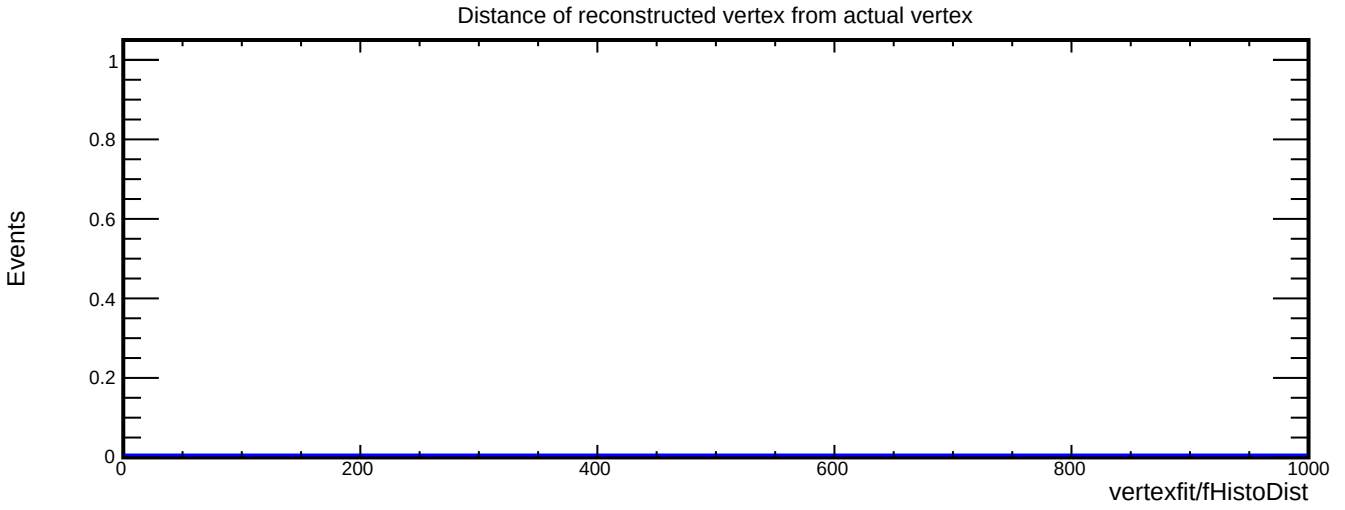
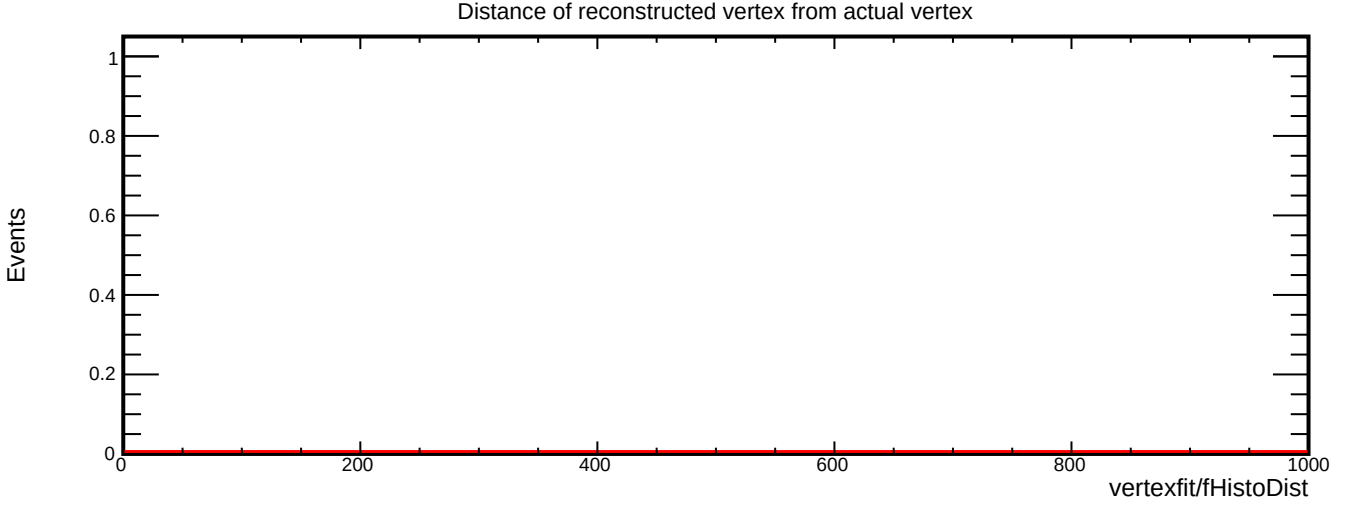

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

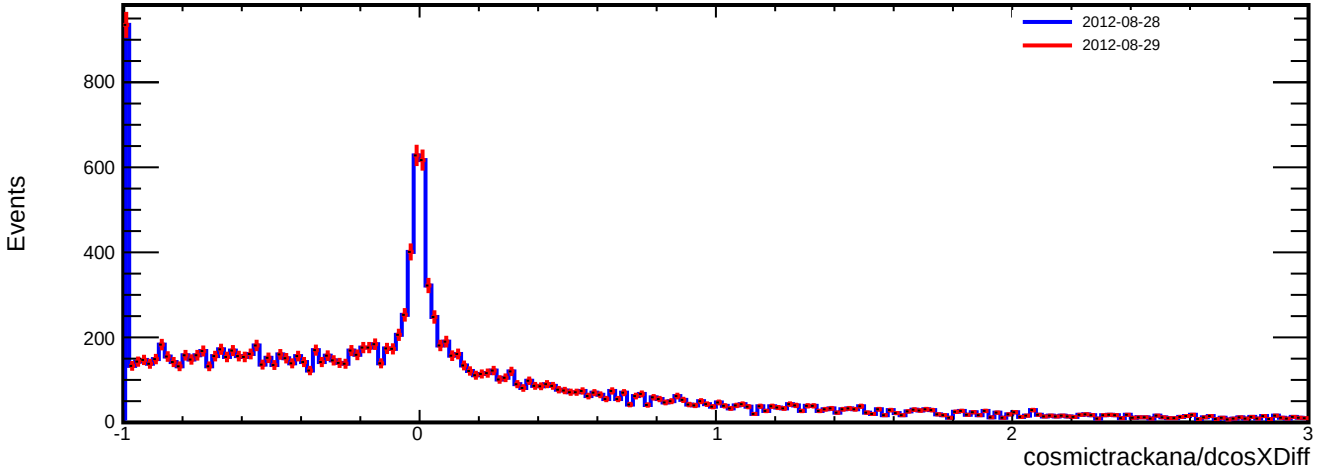

Cos Theta
Events
1
0.8
0.6
0.4
0.2
0
0
0.2
0.4
0.6
0.8
1
vertexfit/fHistoCosTheta

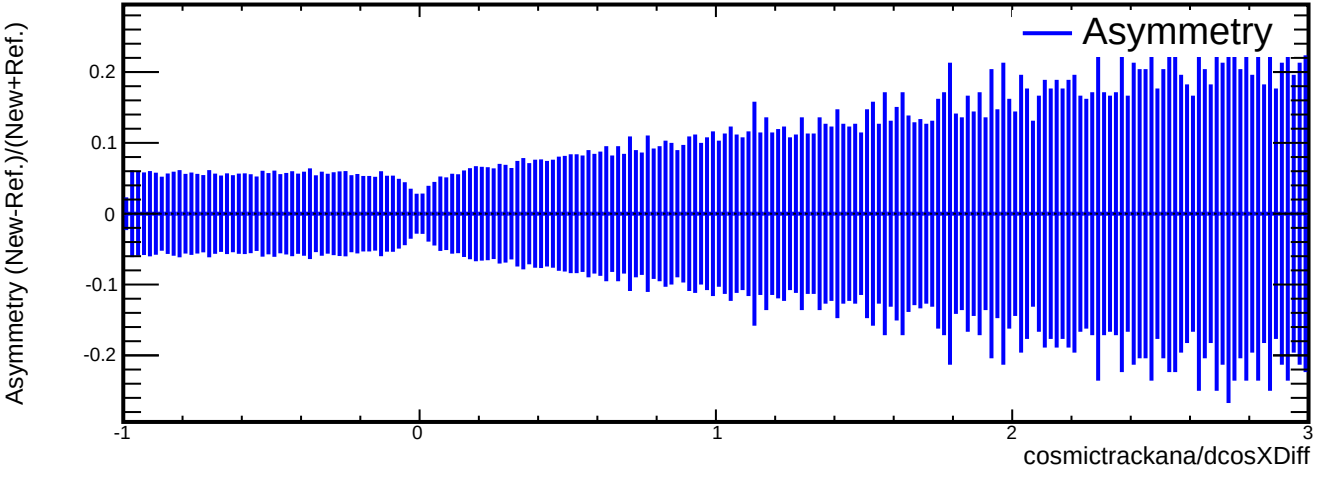

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

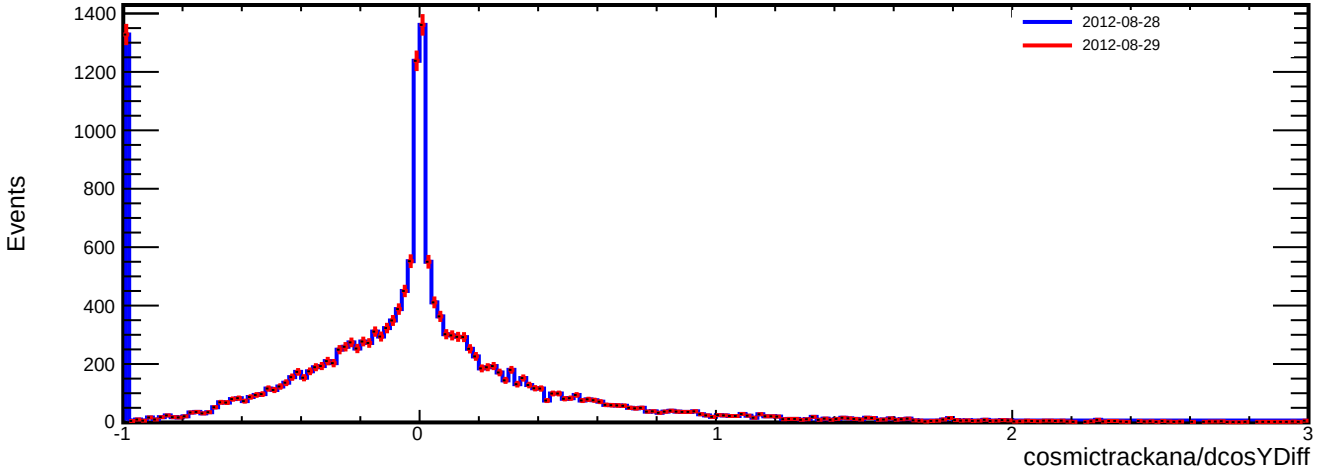

Invarient Mass
Events
1
0.8
0.6
0.4
0.2
0
0
1000
2000
3000
4000
5000
vertexfit/fHistoInvMass

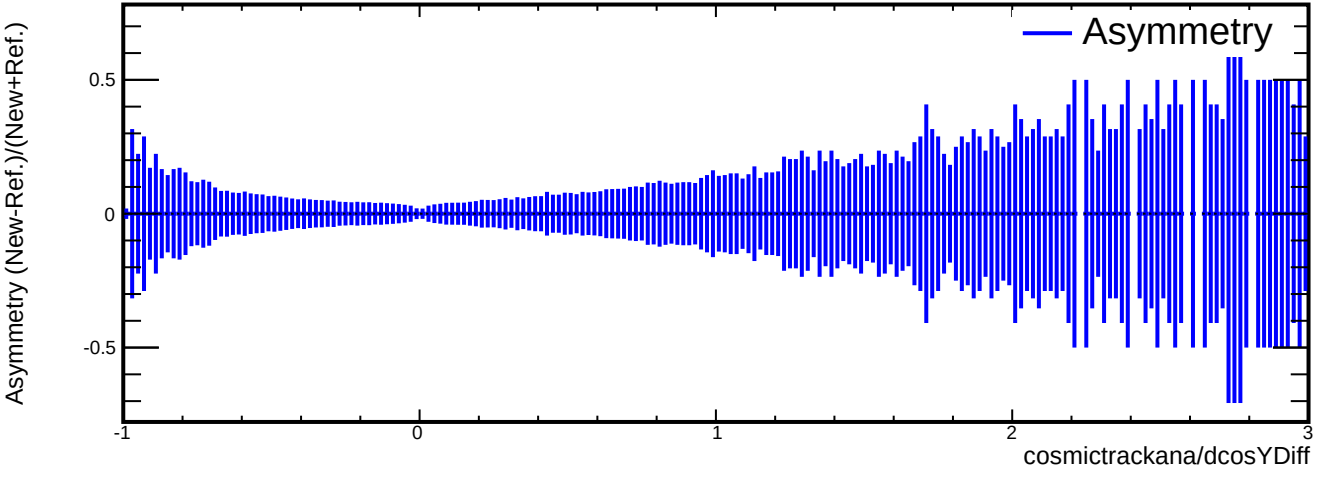

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

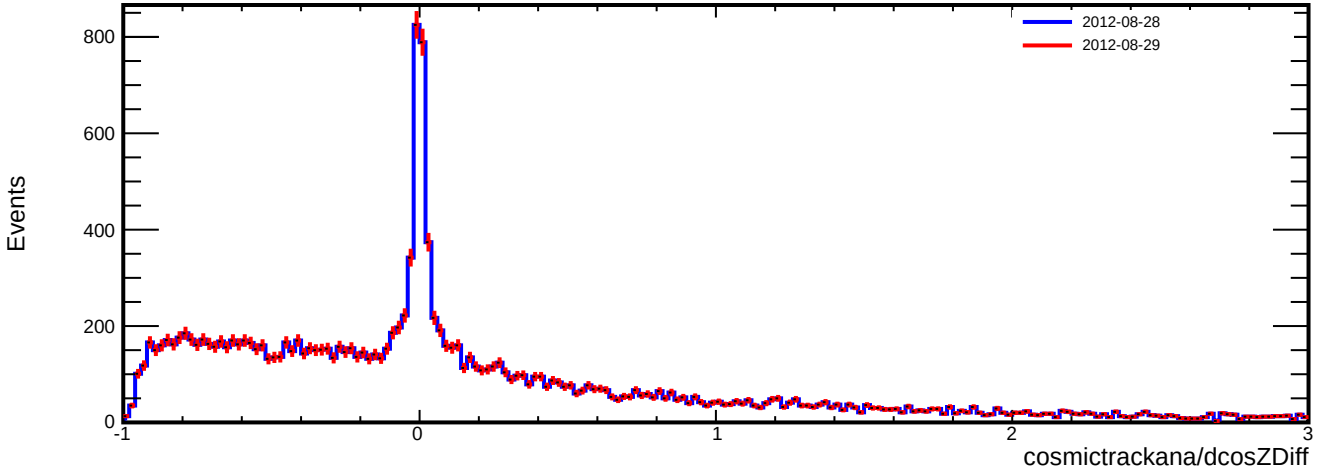

Distance of reconstructed vertex from actual vertex
Events
1
0.8
0.6
0.4
0.2
0
0
200
400
600
800
1000
vertexfit/fHistoDist

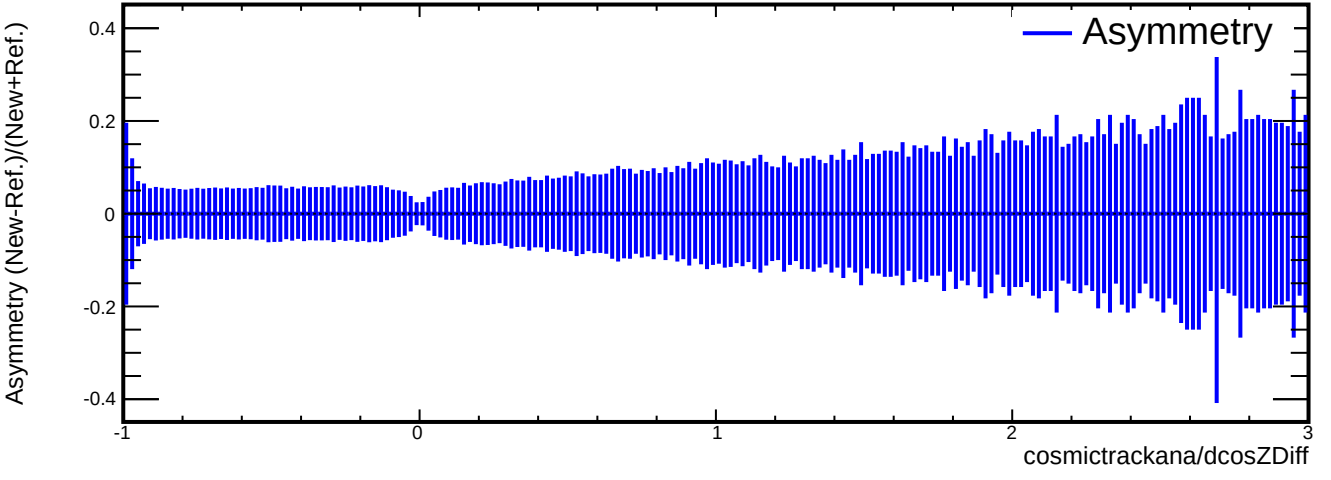

2012-08-28
2012-08-29
Events
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosXDiff

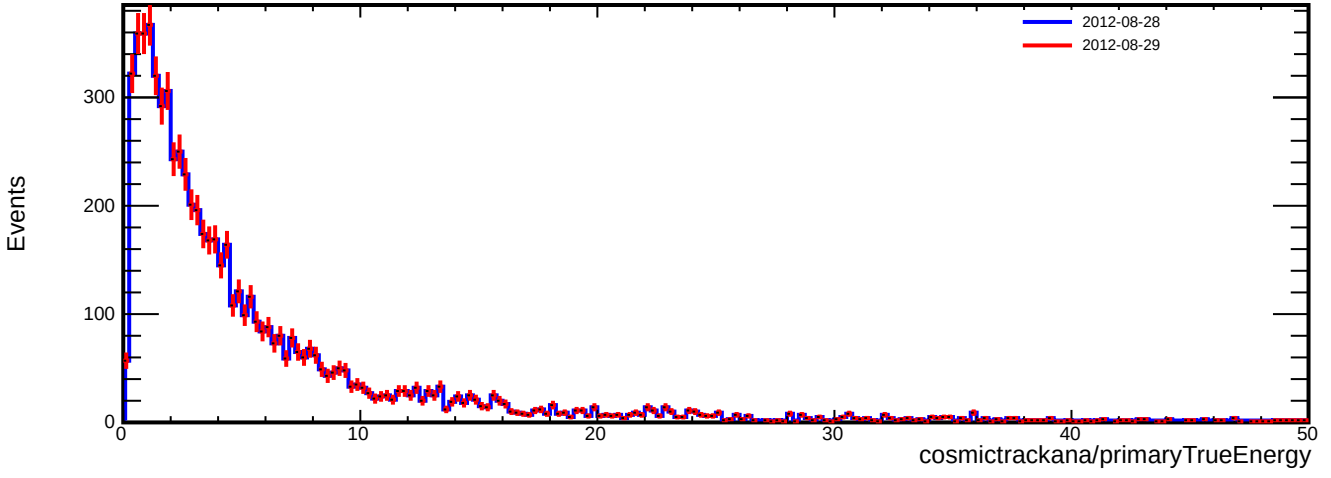

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.2
0.1
0
-0.1
-0.2
-1
0
1
2
3
cosmictrackana/dcosXDiff

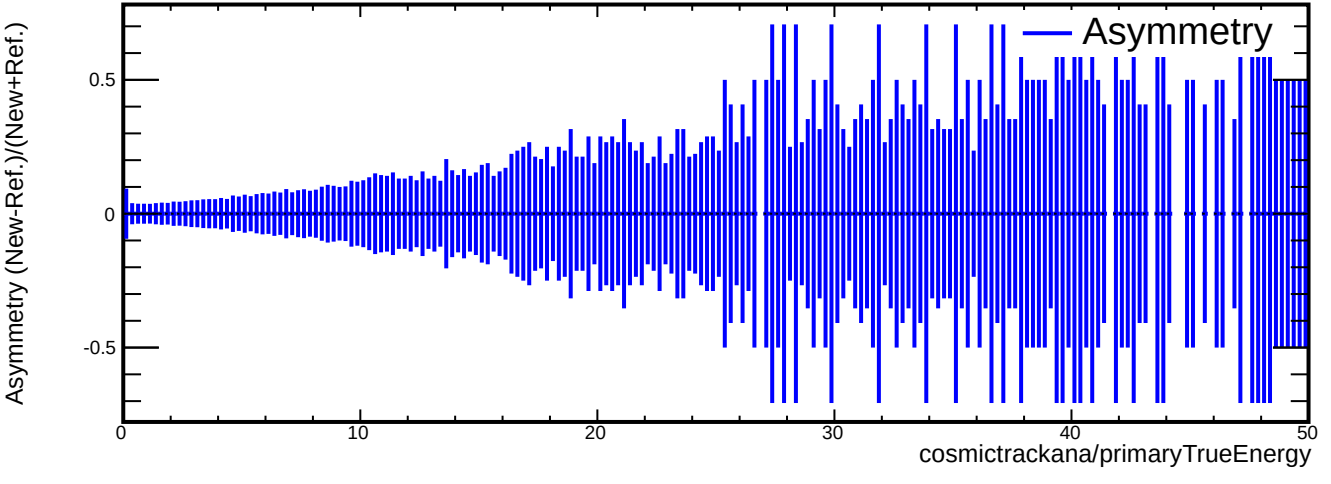

Events
1400
1200
1000
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosYDiff
2012-08-28
2012-08-29

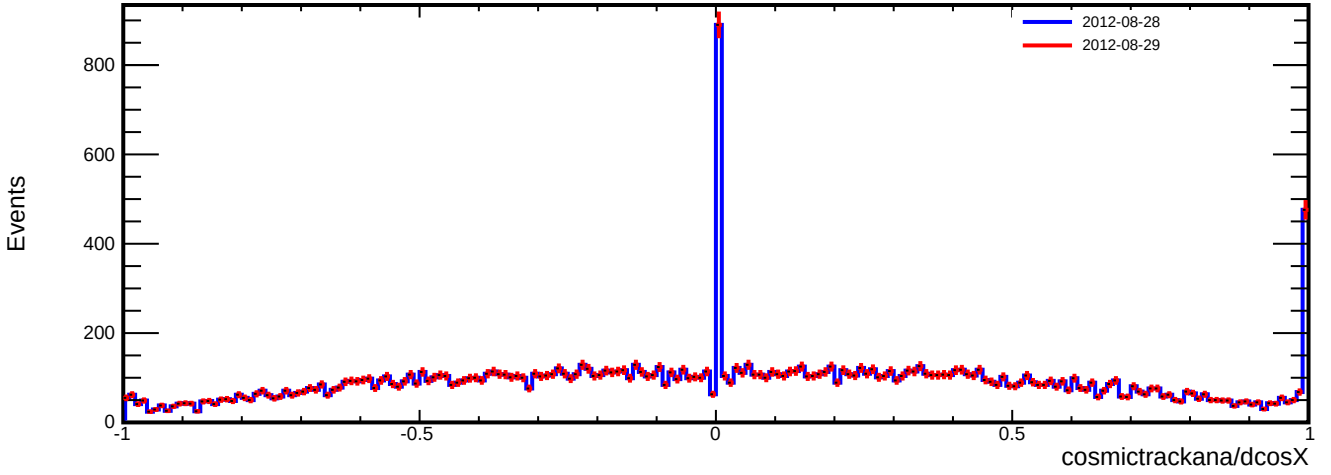

Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
0
1
2
3
cosmictrackana/dcosYDiff
Asymmetry

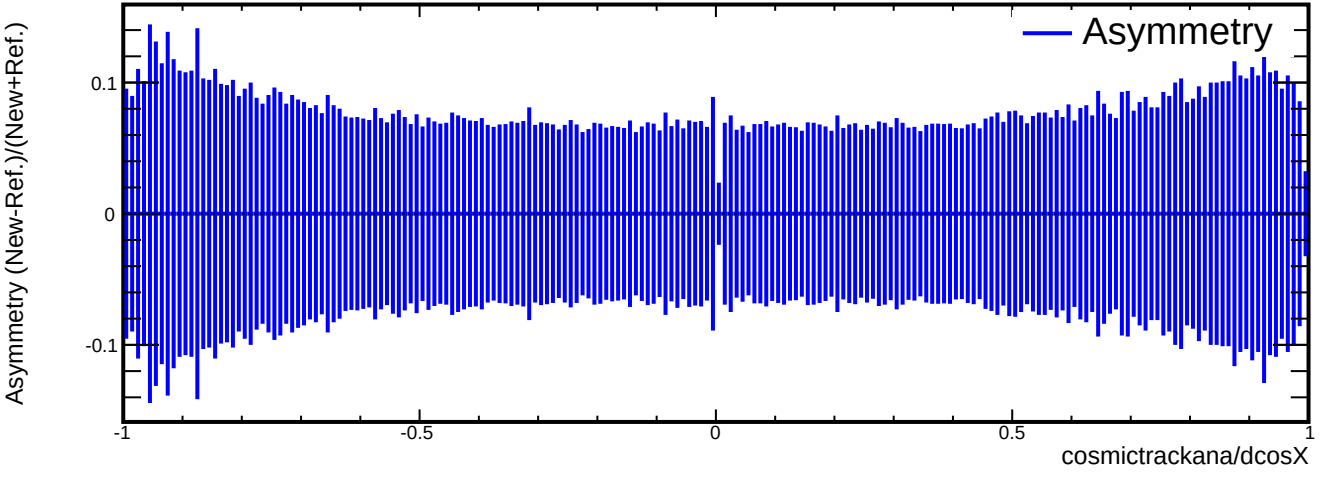

2012-08-28
2012-08-29
Events
800
600
400
200
0
-1
0
1
2
3
cosmictrackana/dcosZDiff

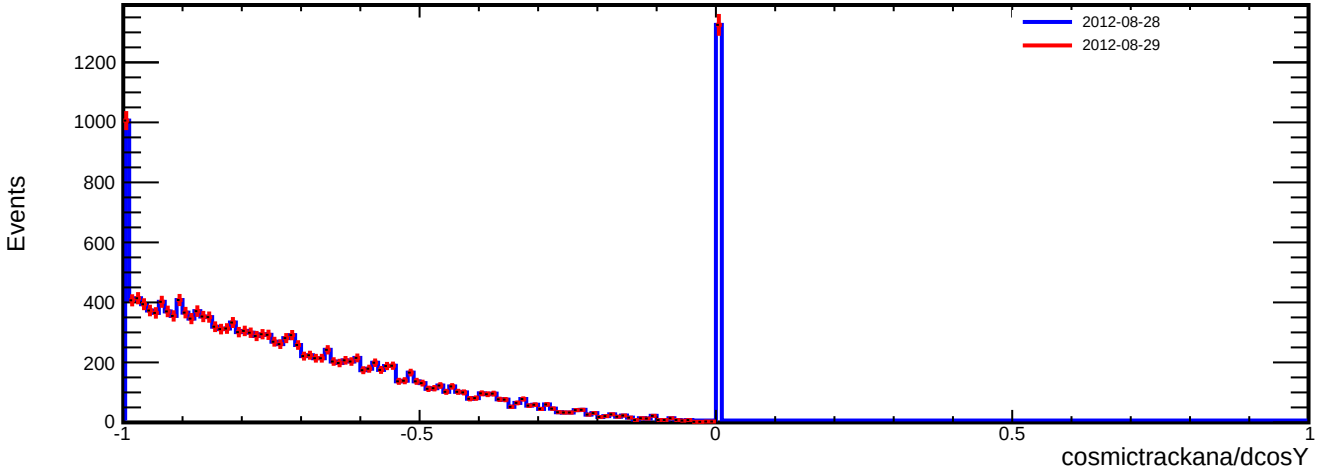

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.4
0.2
0
-0.2
-0.4
-1
0
1
2
3
cosmictrackana/dcosZDiff

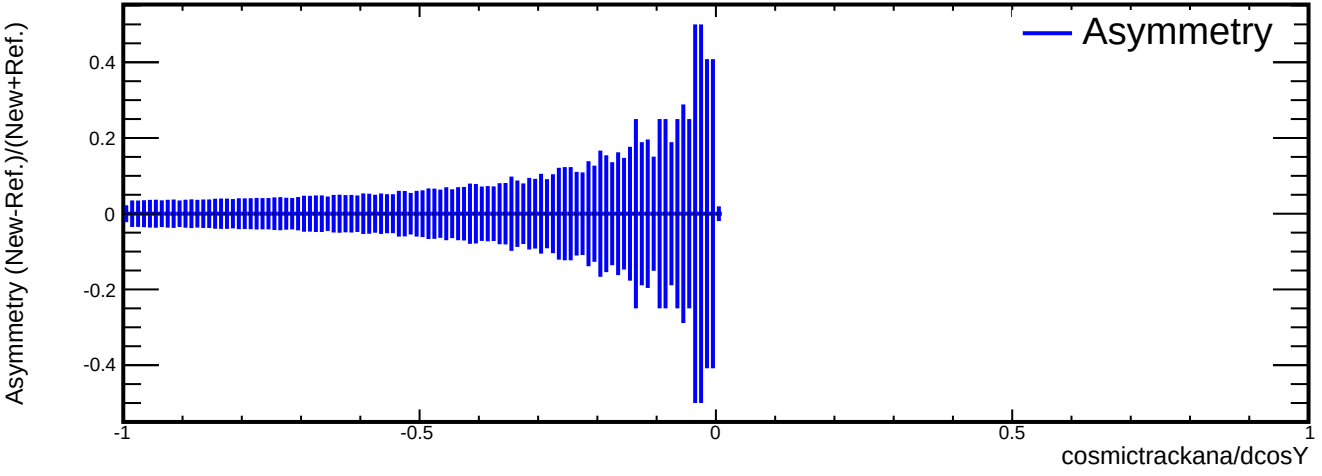

2012-08-28
2012-08-29
Events
0
100
200
300
0
10
20
30
40
50
cosmictrackana/primaryTrueEnergy

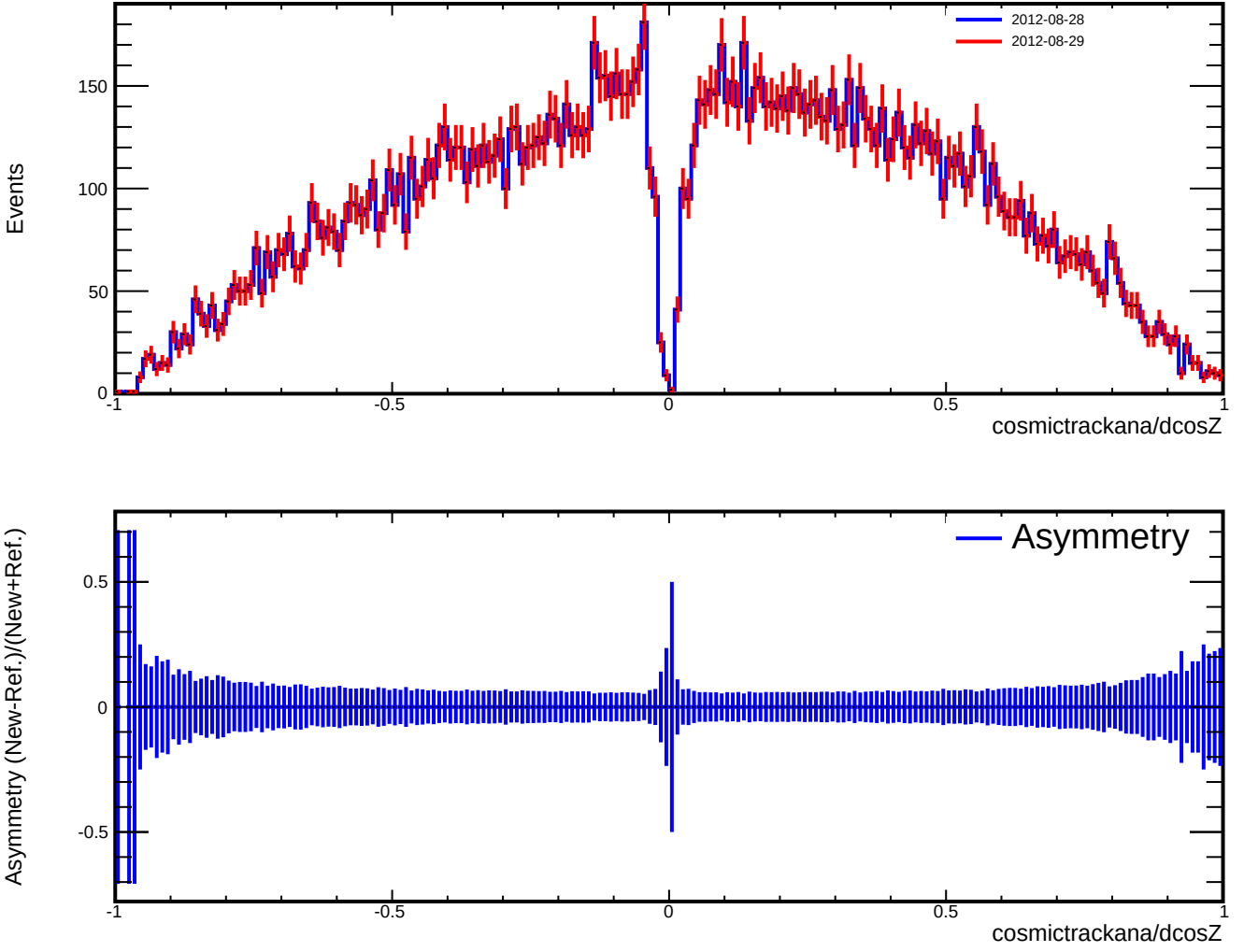

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
0
10
20
30
40
50
cosmictrackana/primaryTrueEnergy

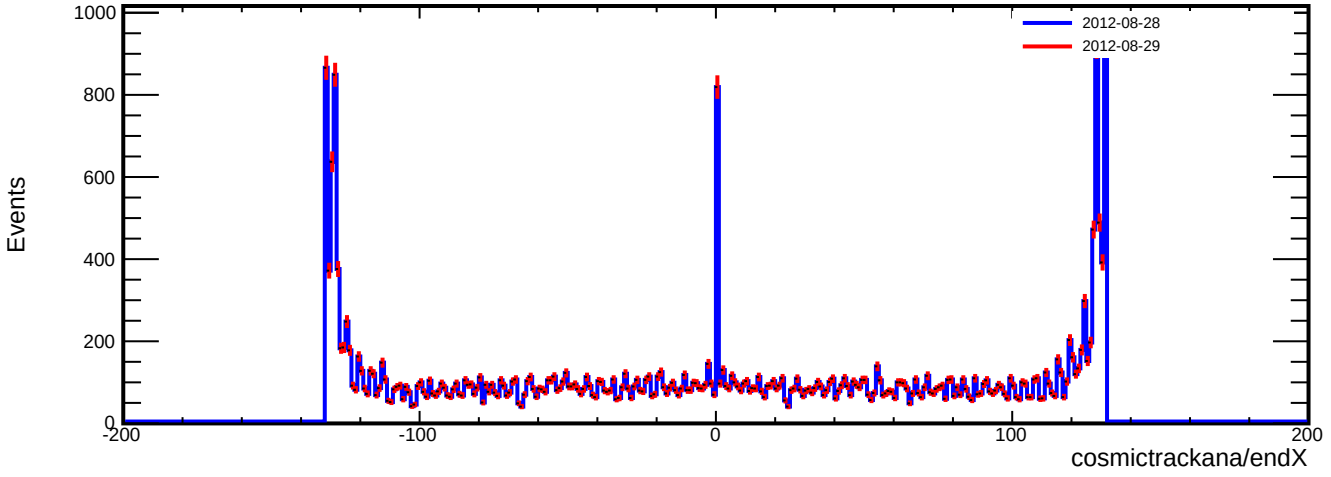

2012-08-28
2012-08-29
Events
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosX

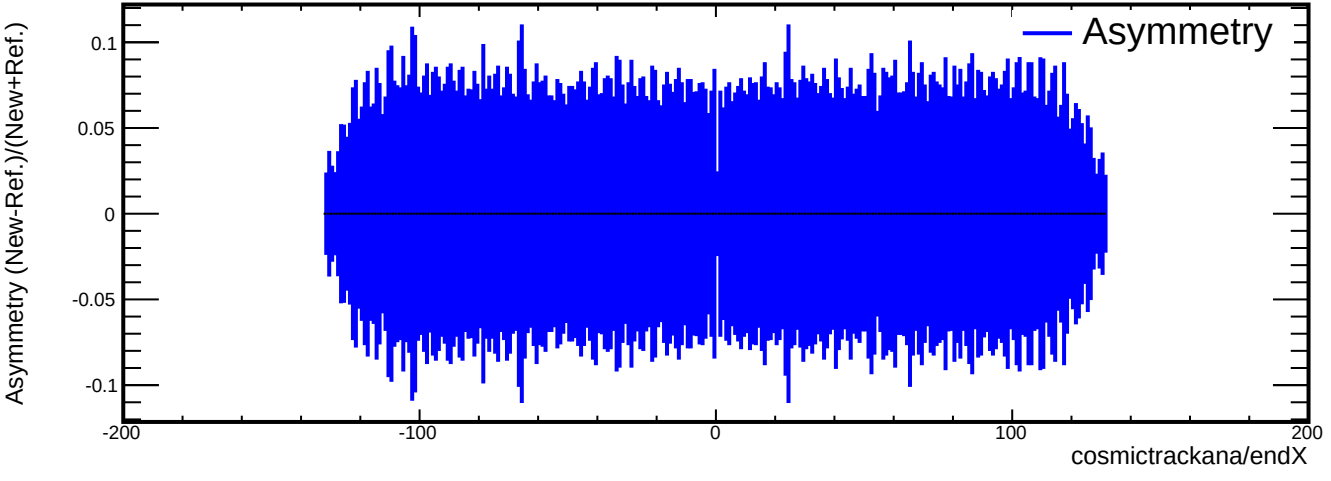

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.1
0
-0.1
-1
-0.5
0
0.5
1
cosmictrackana/dcosX

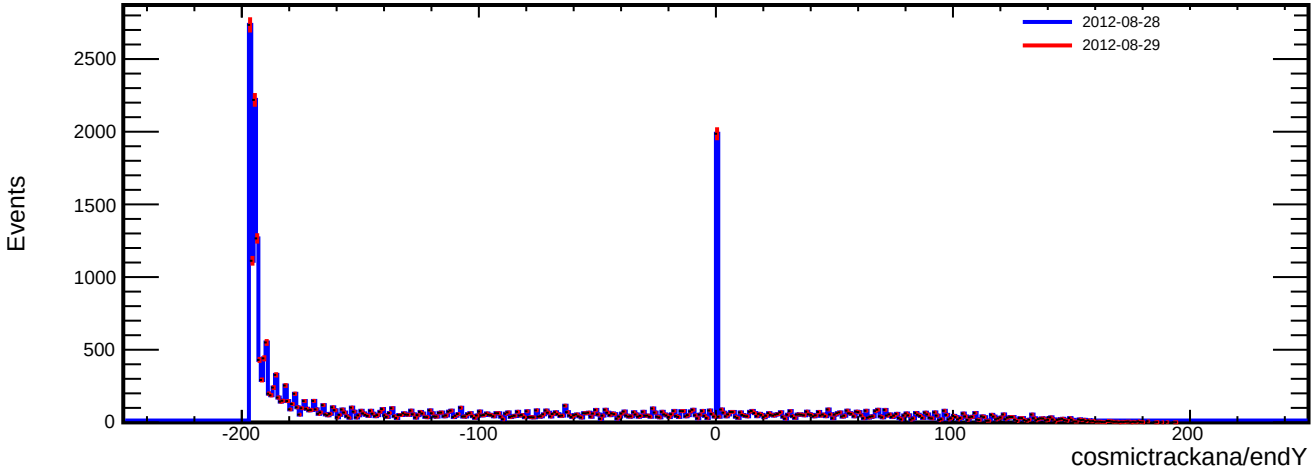

2012-08-28
2012-08-29
Events
1200
1000
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosY

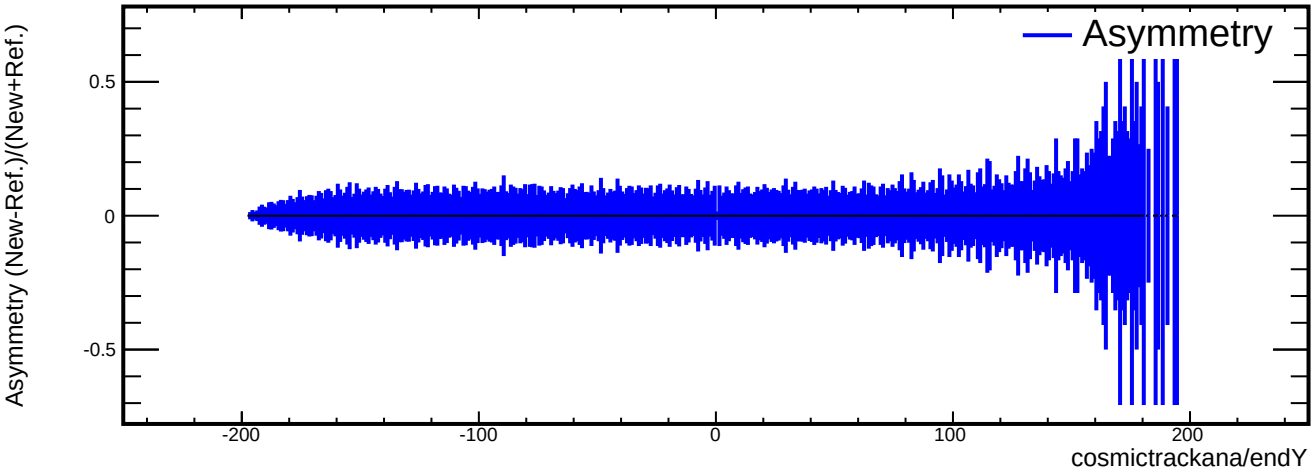

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.4
0.2
0
-0.2
-0.4
-1
-0.5
0
0.5
1
cosmictrackana/dcosY

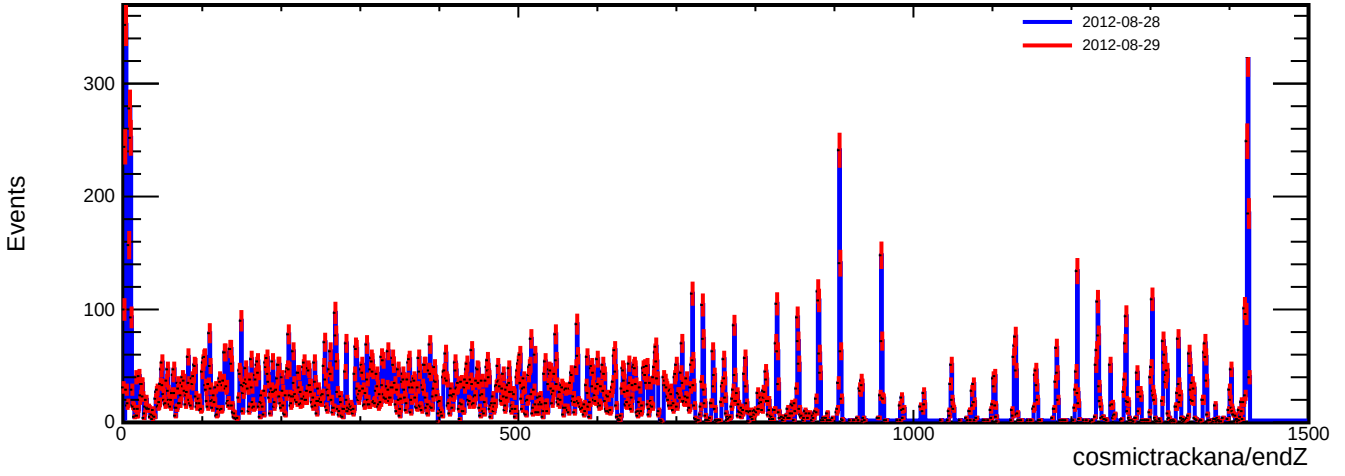

2012-08-28
2012-08-29
Events
150
100
50
0
-1
-0.5
0
0.5
1
cosmictrackana/dcosZ
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dcosZ

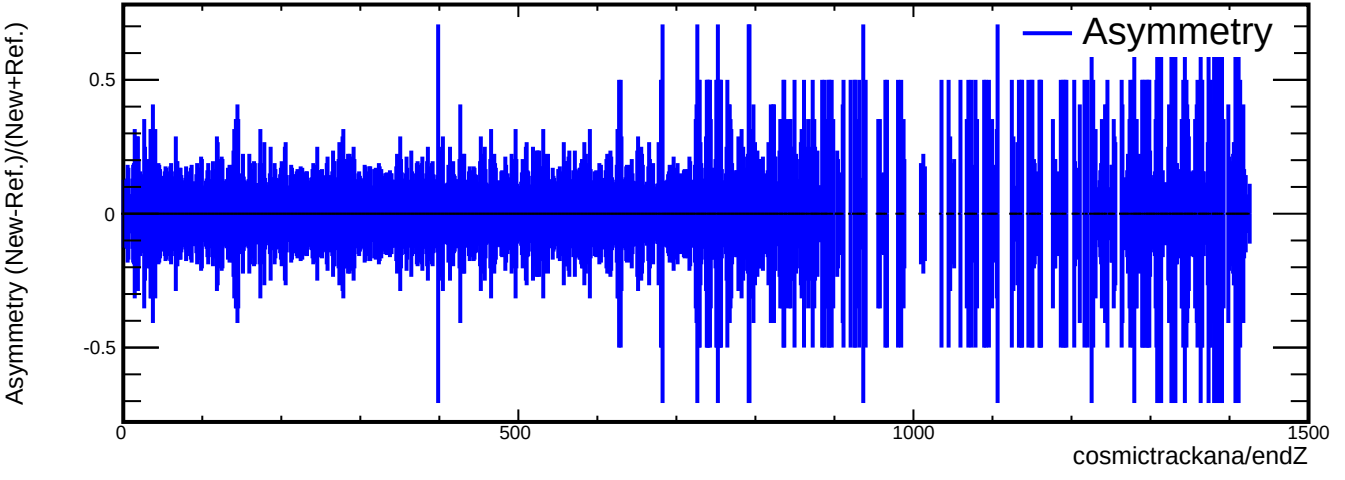

2012-08-28
2012-08-29
Events
1000
800
600
400
200
0
-200
-100
0
100
200
cosmictrackana/endX

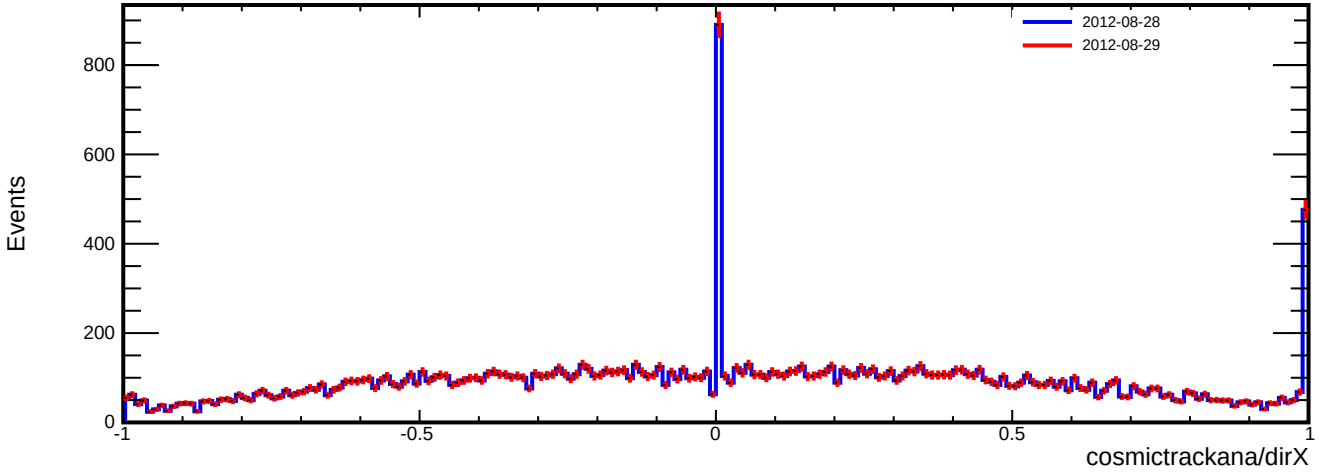

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.1
0.05
0
-0.05
-0.1
-200
-100
0
100
200
cosmictrackana/endX

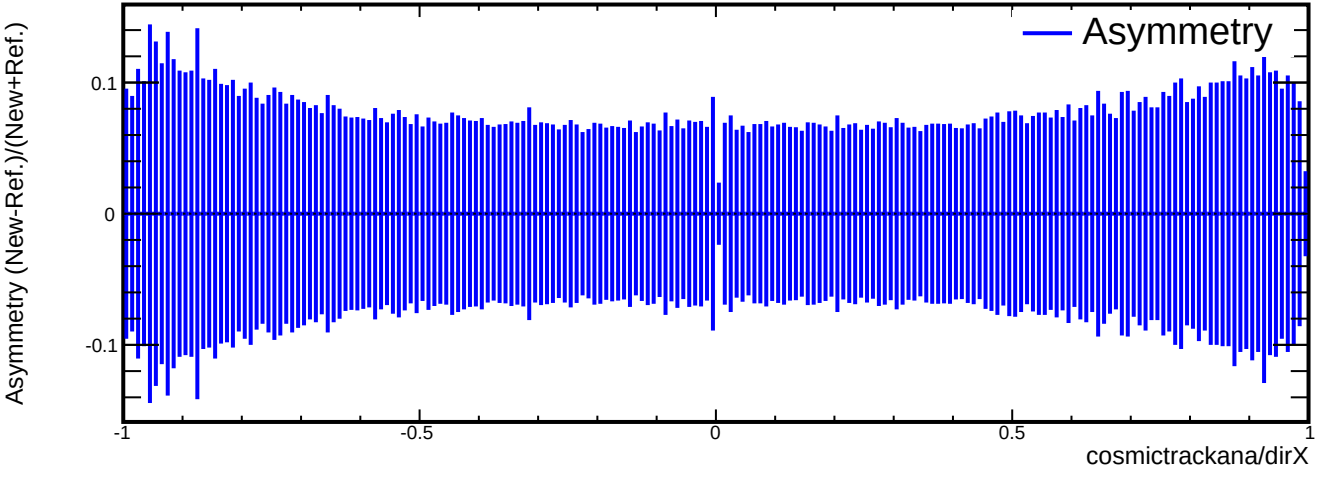

2012-08-28
2012-08-29
Events
2500
2000
1500
1000
500
0
-200
-100
0
100
200
cosmictrackana/endY

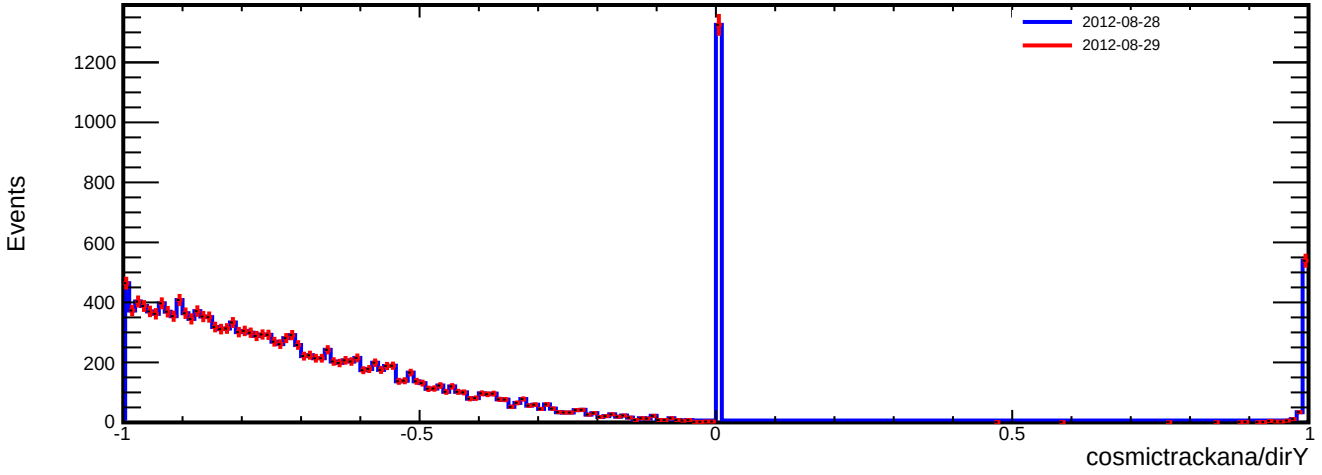

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/endY

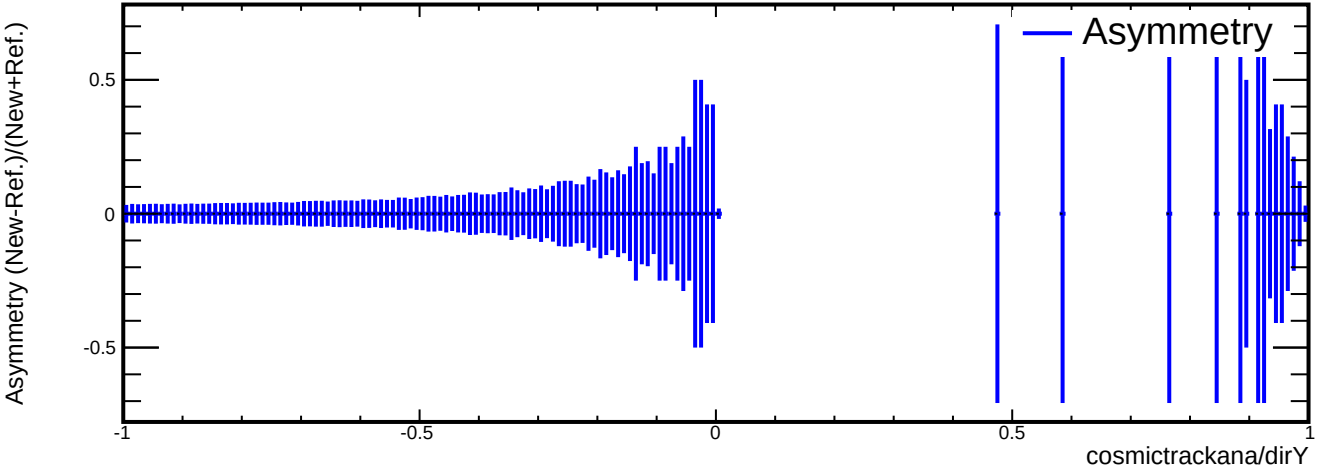

2012-08-28
2012-08-29
Events
300
200
100
0
0
500
1000
1500
cosmictrackana/endZ

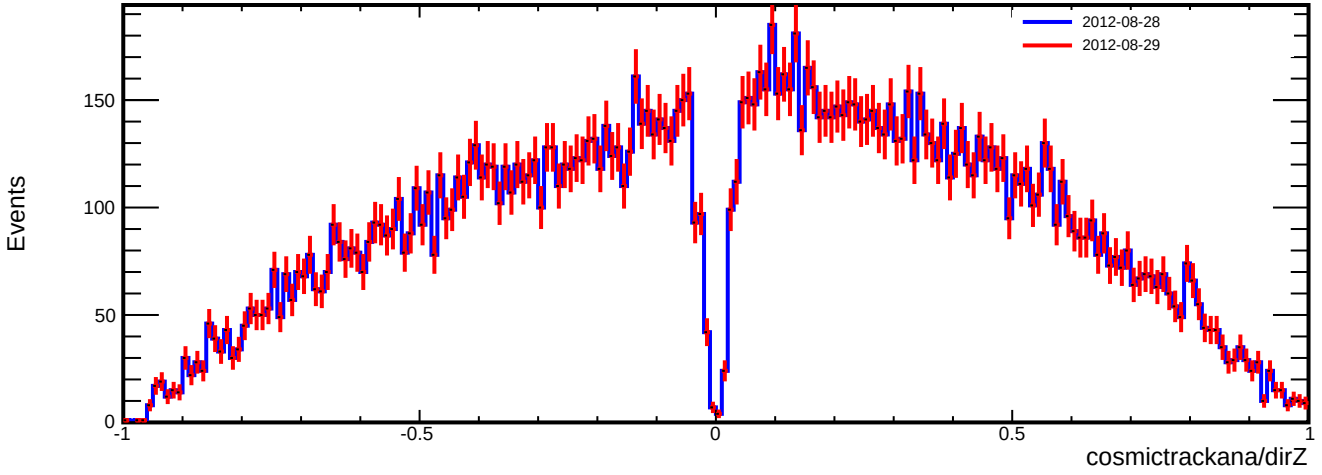

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
0
500
1000
1500
cosmictrackana/endZ

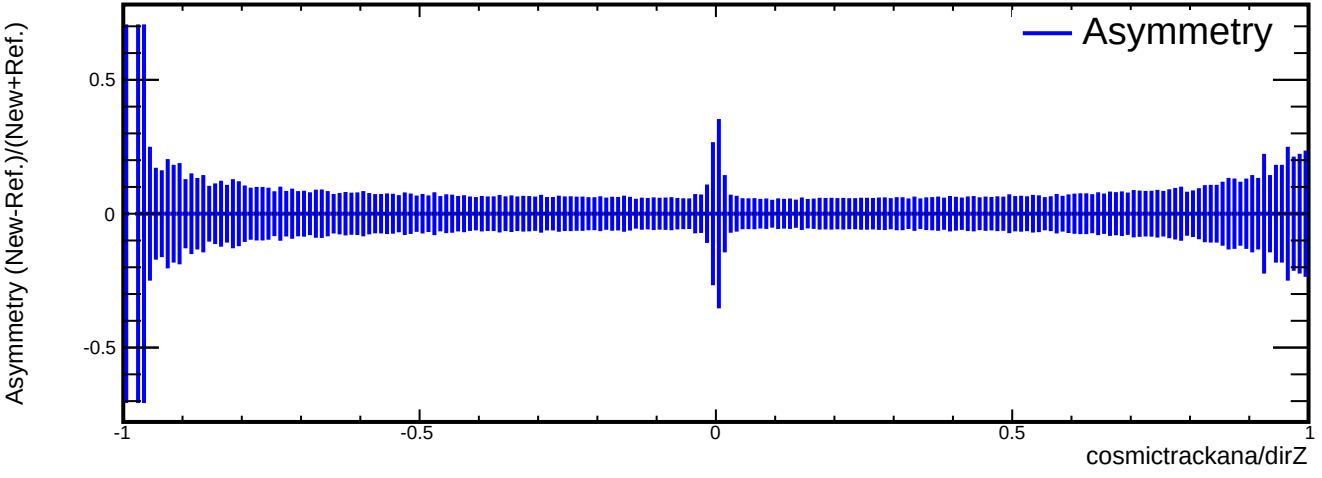

2012-08-28
2012-08-29
Events
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dirX

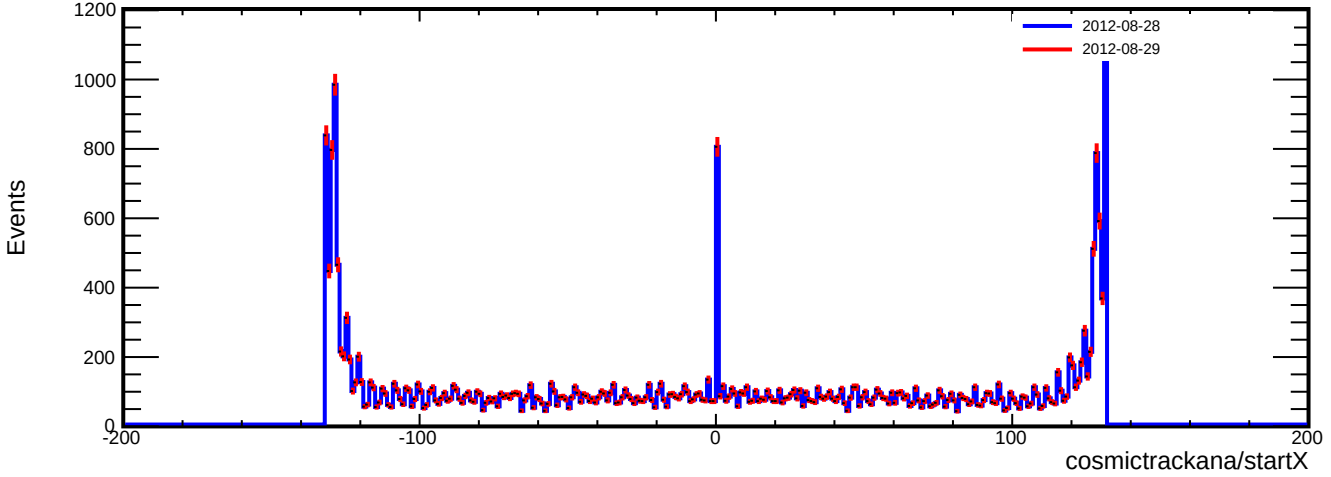

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.1
0
-0.1
-1
-0.5
0
0.5
1
cosmictrackana/dirX

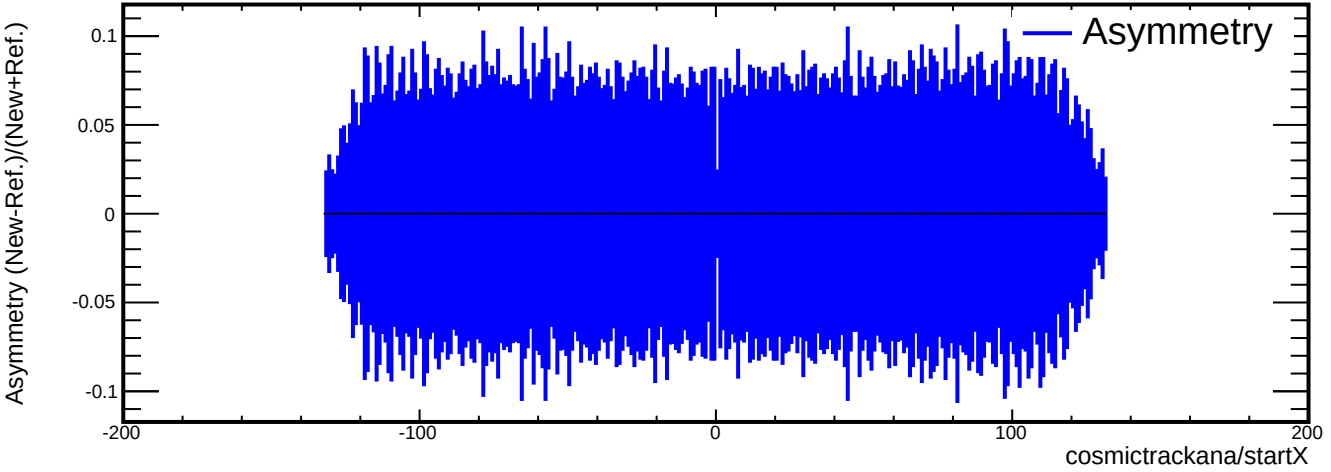

2012-08-28
2012-08-29
Events
1200
1000
800
600
400
200
0
-1
-0.5
0
0.5
1
cosmictrackana/dirY

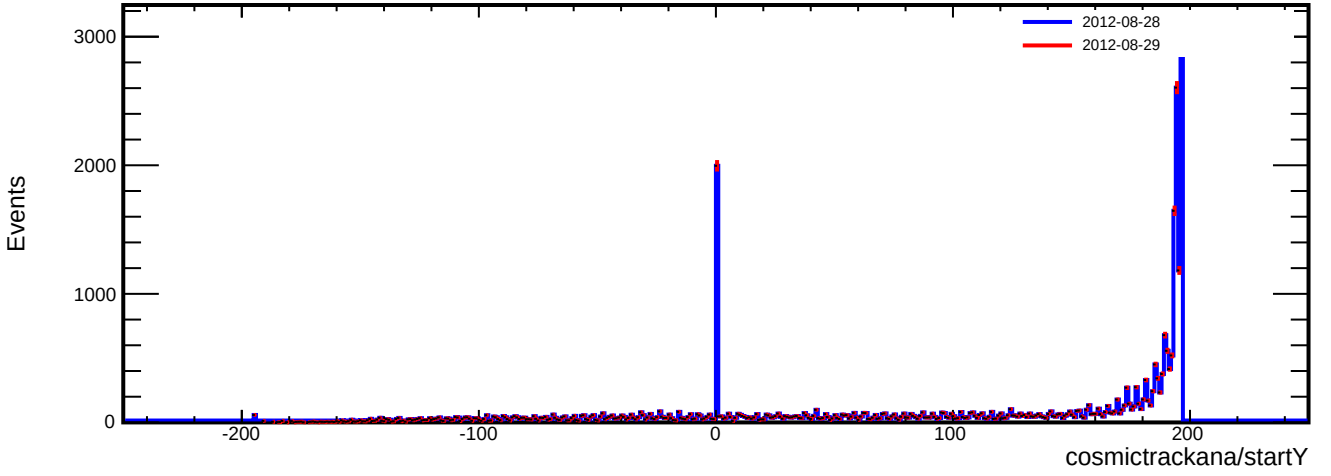

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dirY

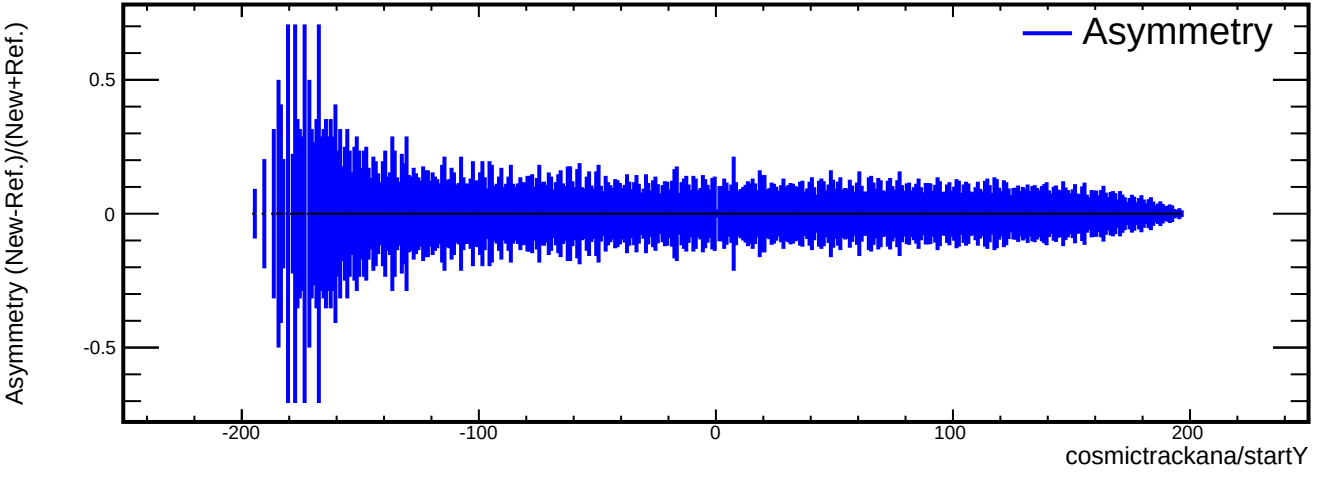

2012-08-28
2012-08-29
Events
150
100
50
0
-1
-0.5
0
0.5
1
cosmictrackana/dirZ

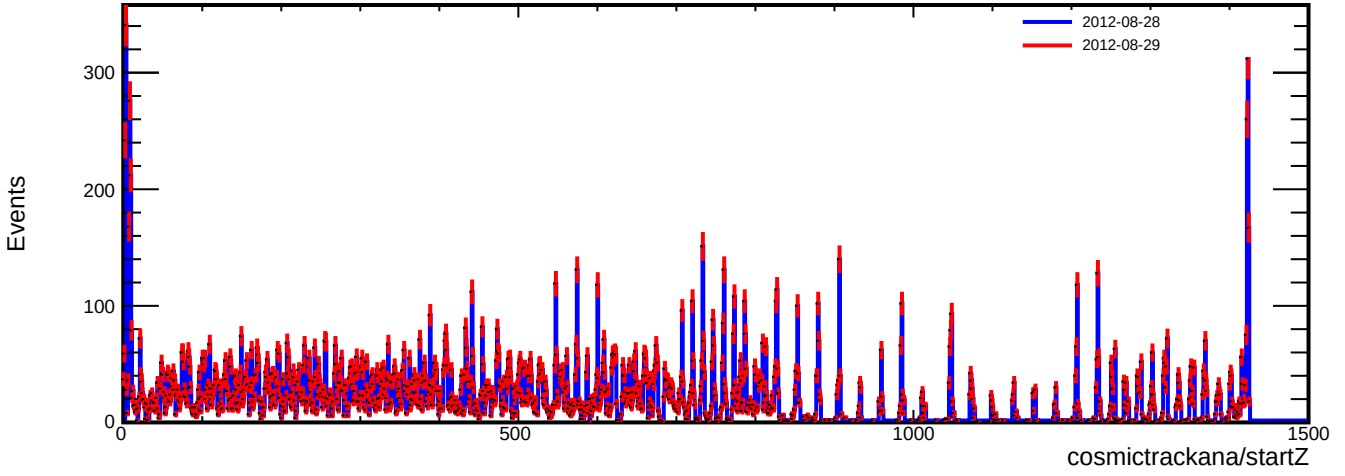

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1
-0.5
0
0.5
1
cosmictrackana/dirZ

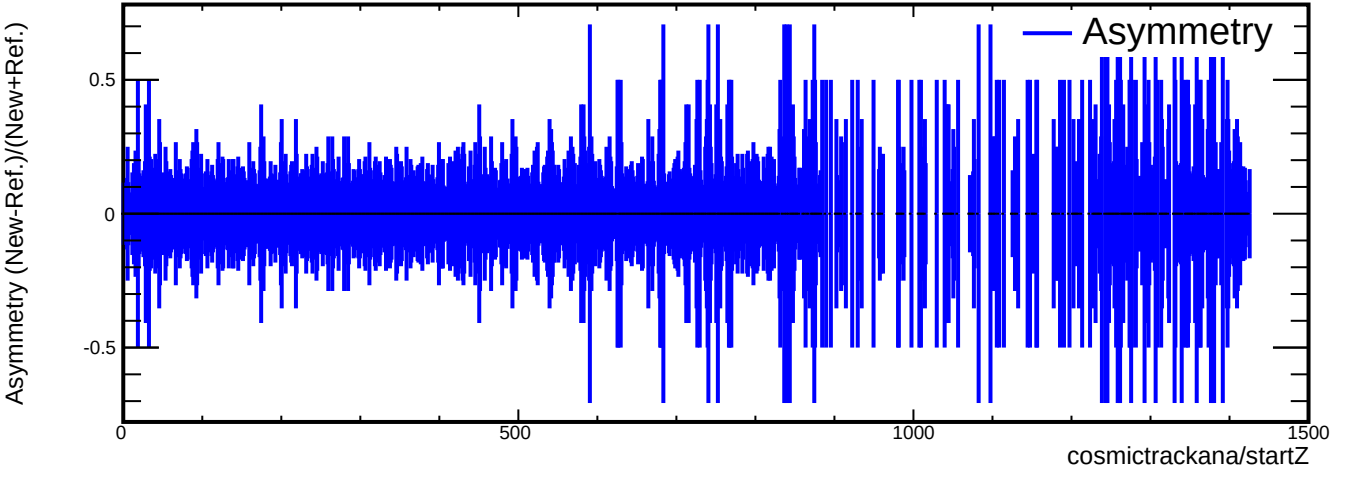

2012-08-28
2012-08-29
Events
cosmictrackana/startX

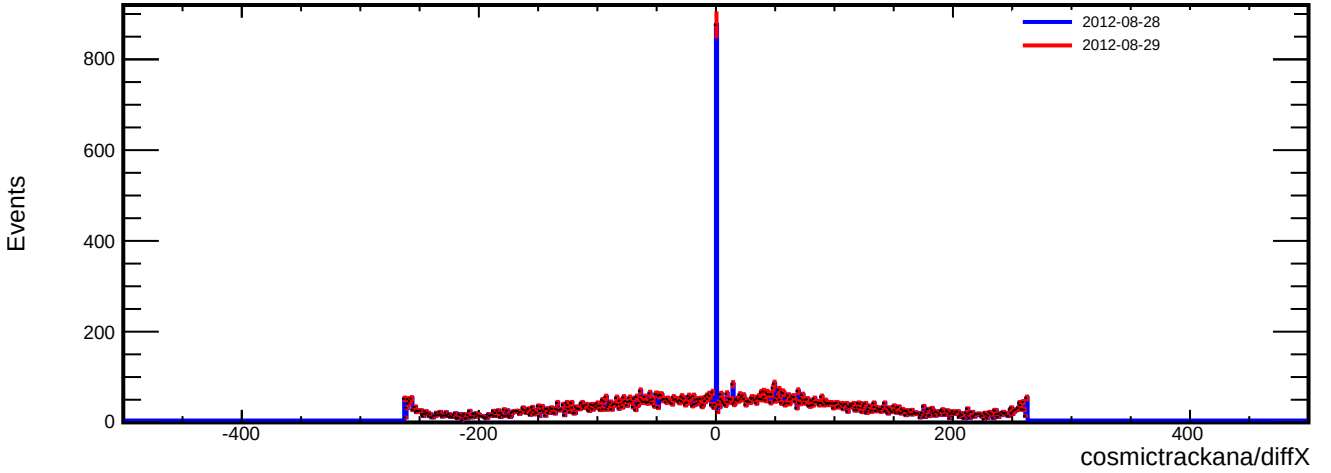

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
cosmictrackana/startX

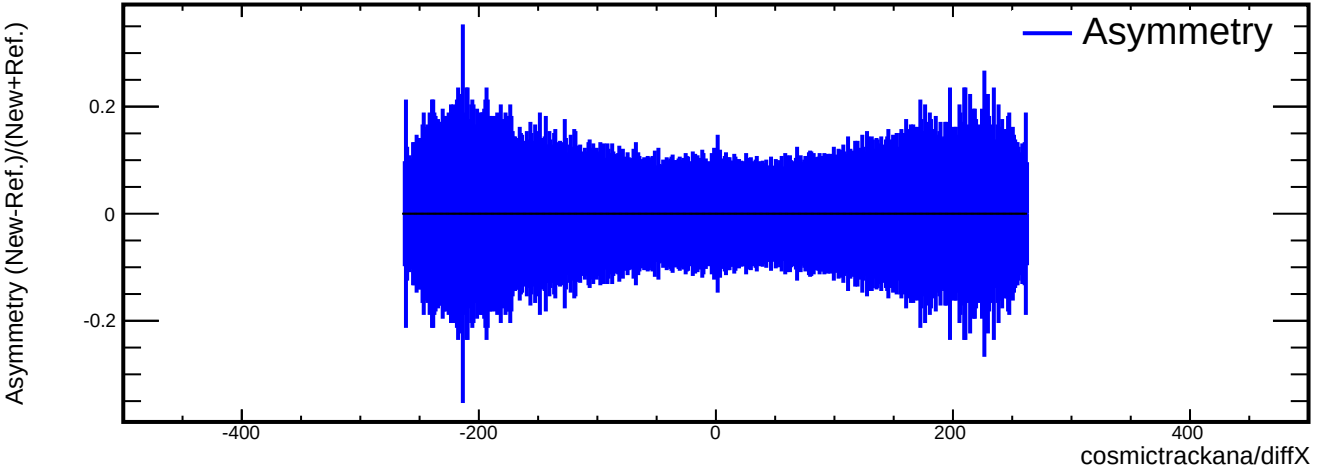

2012-08-28
2012-08-29
Events
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/startY

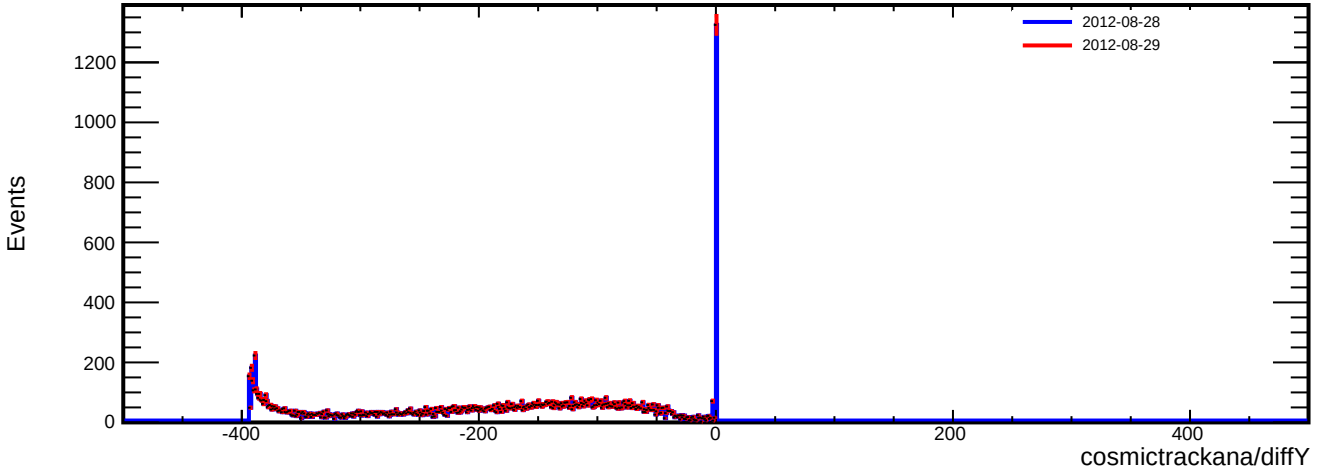

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/startY

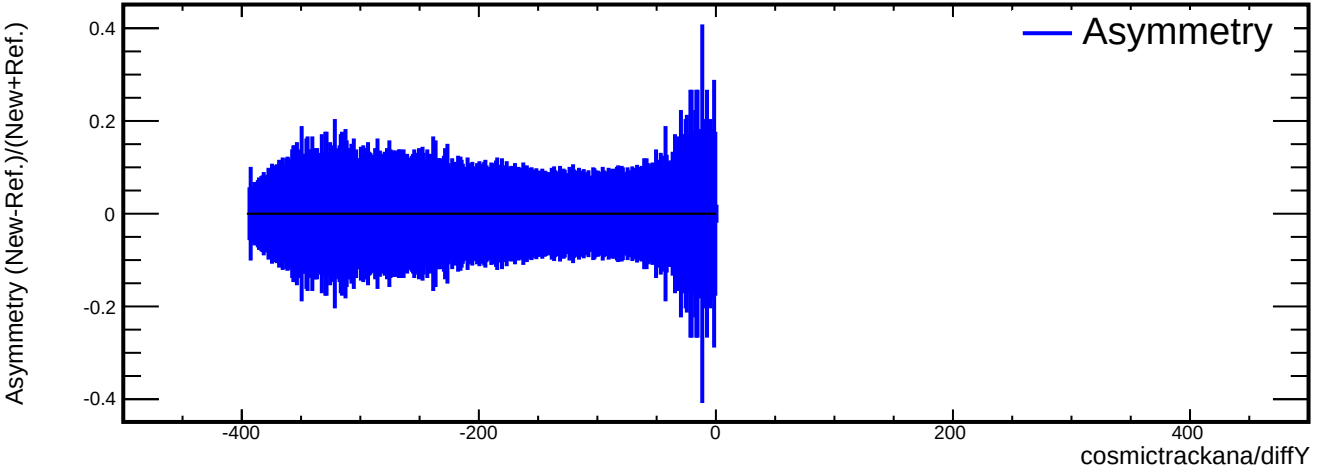

2012-08-28
2012-08-29
Events
300
200
100
0
0
500
1000
1500
cosmictrackana/startZ

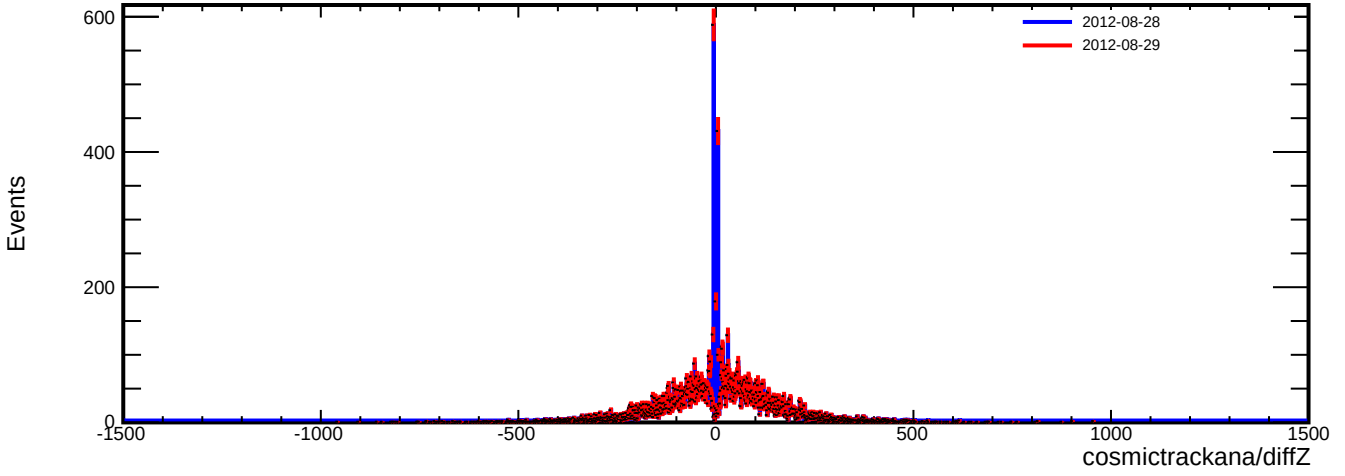

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
0
500
1000
1500
cosmictrackana/startZ

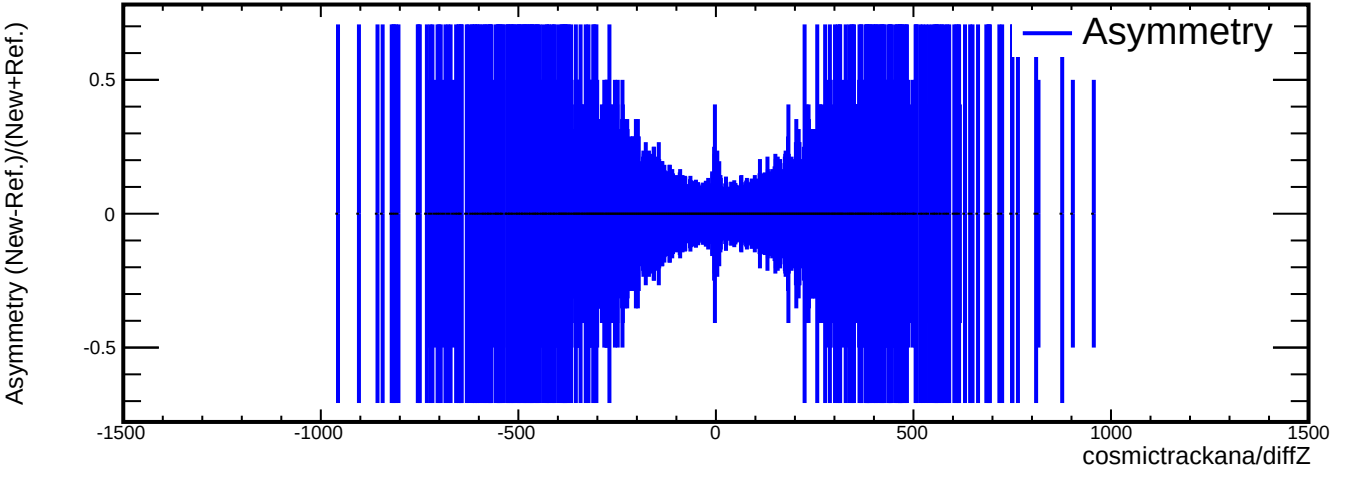

2012-08-28
2012-08-29
Events
800
600
400
200
0
-400
-200
0
200
400
cosmictrackana/diffX

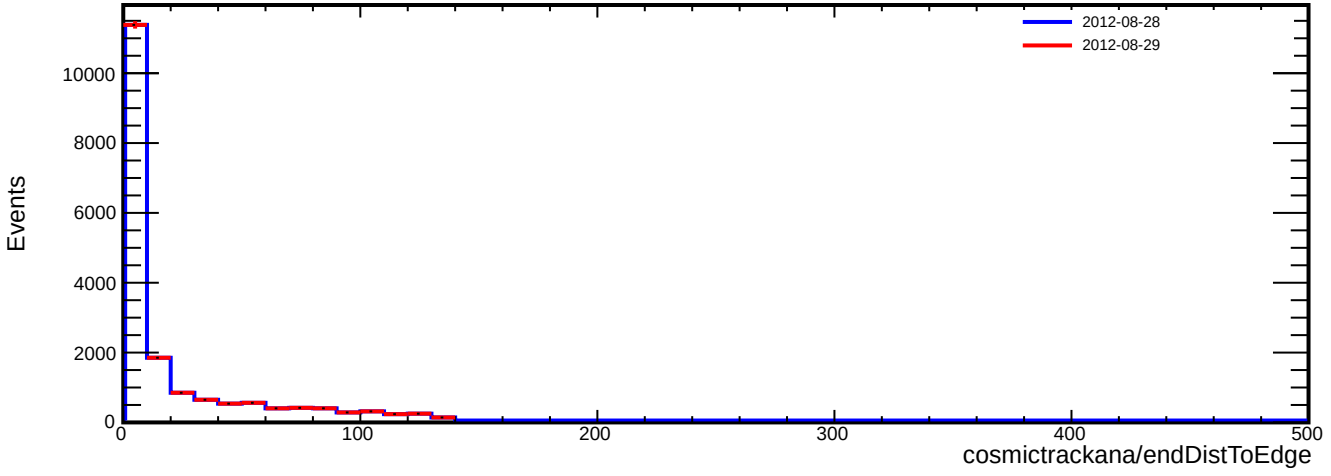

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.2
0
-0.2
-400
-200
0
200
400
cosmictrackana/diffX

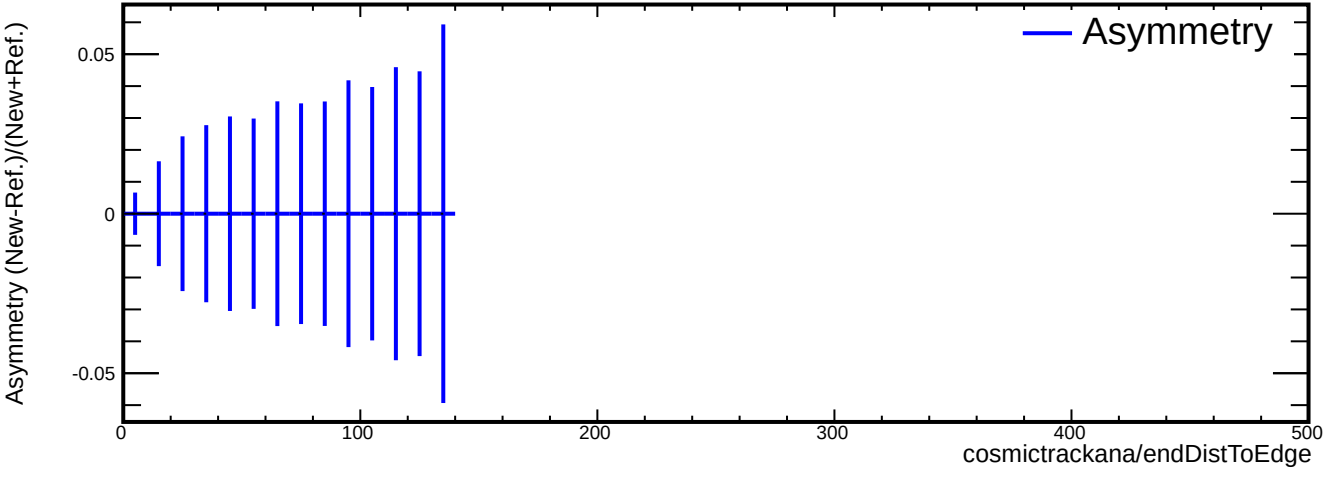

2012-08-28
2012-08-29
Events
1200
1000
800
600
400
200
0
-400
-200
0
200
400
cosmictrackana/diffY

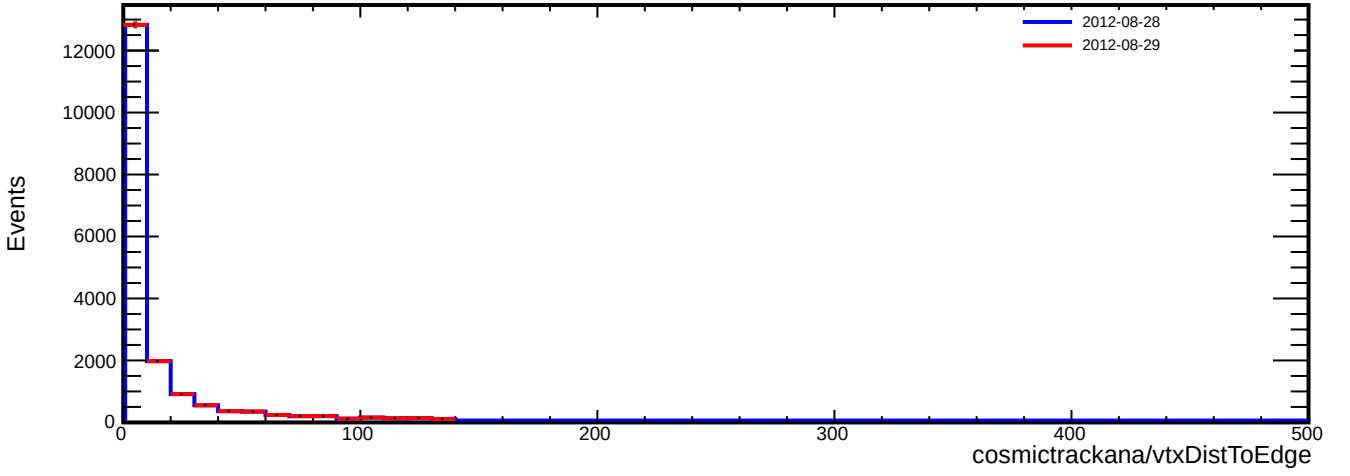

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.4
0.2
0
-0.2
-0.4
-400
-200
0
200
400
cosmictrackana/diffY

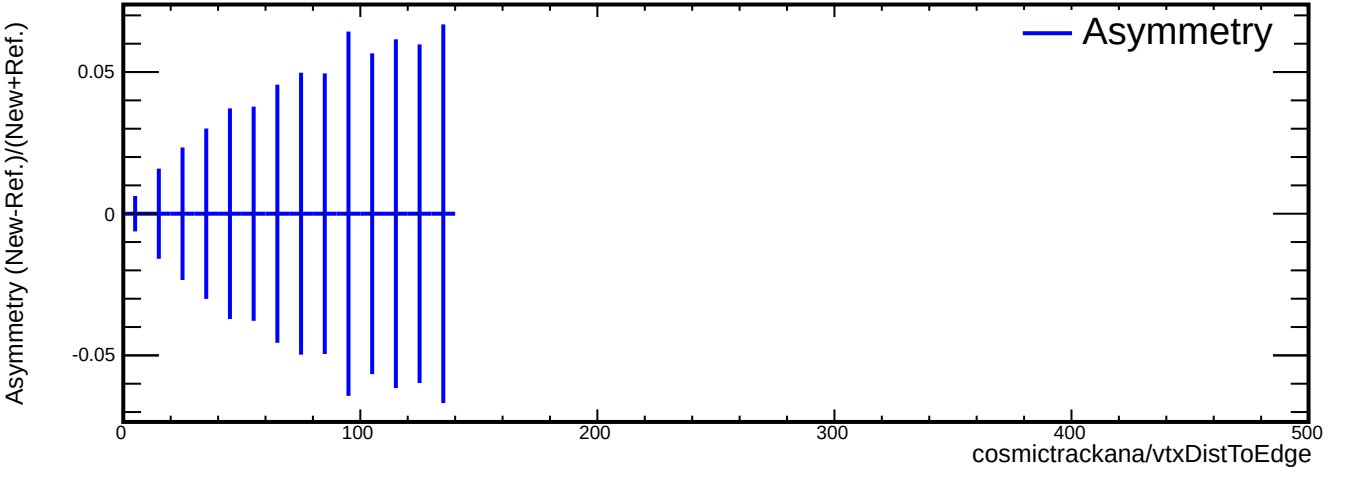

2012-08-28
2012-08-29
Events
600
400
200
0
-1500
-1000
-500
0
500
1000
1500
cosmictrackana/diffZ

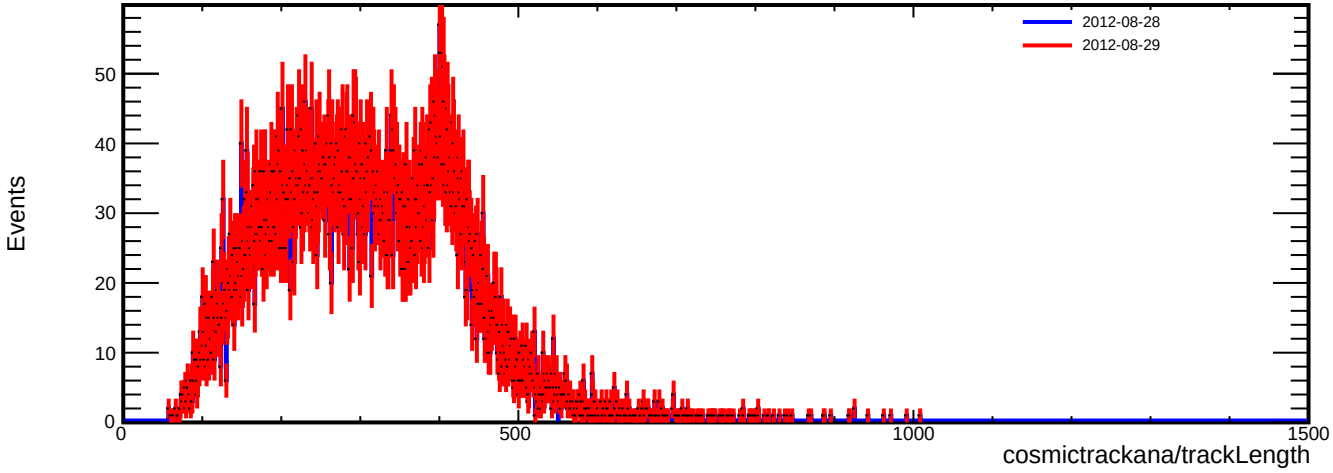

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-1500
-1000
-500
0
500
1000
1500
cosmictrackana/diffZ

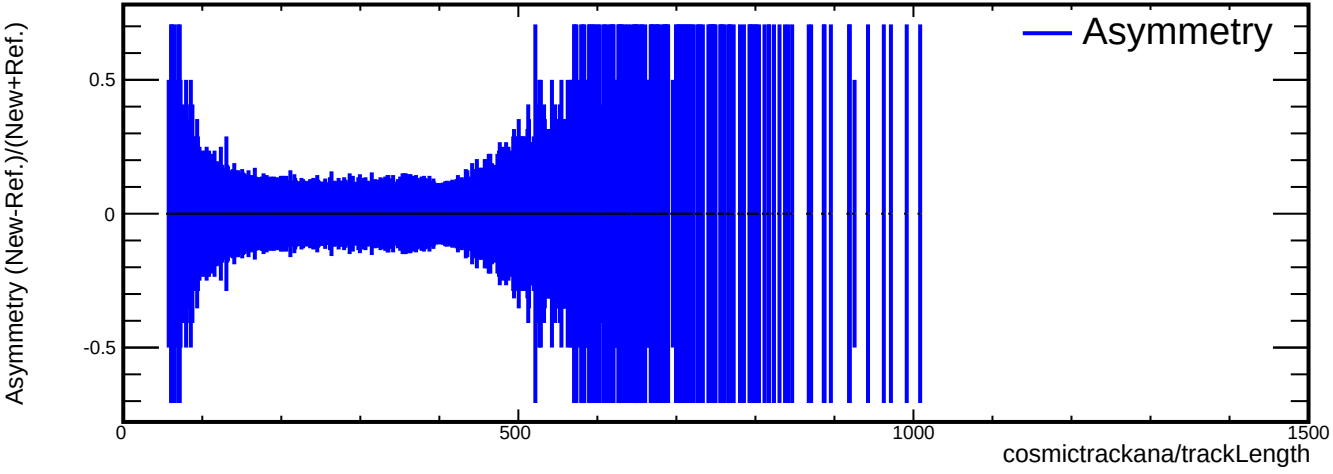

2012-08-28
2012-08-29
Events
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
cosmictrackana/endDistToEdge

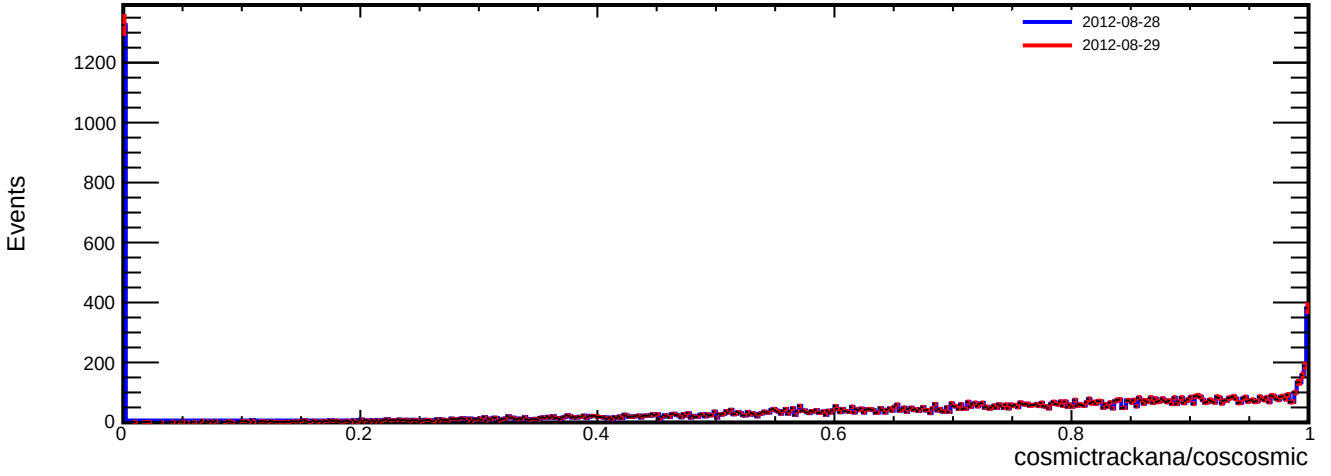

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.05
0
-0.05
0
100
200
300
400
500
cosmictrackana/endDistToEdge

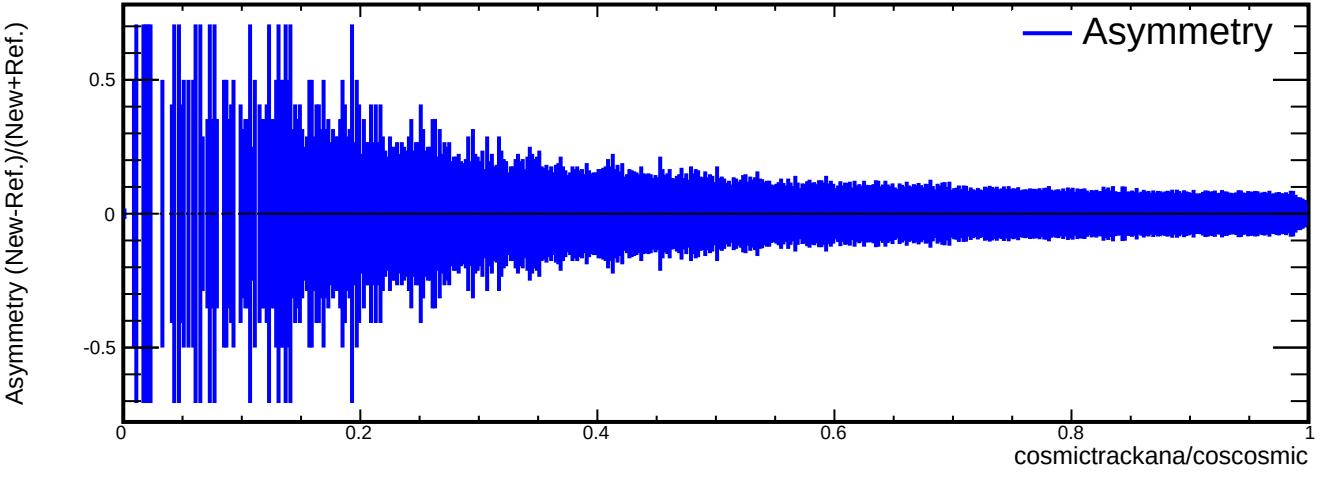

2012-08-28
2012-08-29
Events
12000
10000
8000
6000
4000
2000
0
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

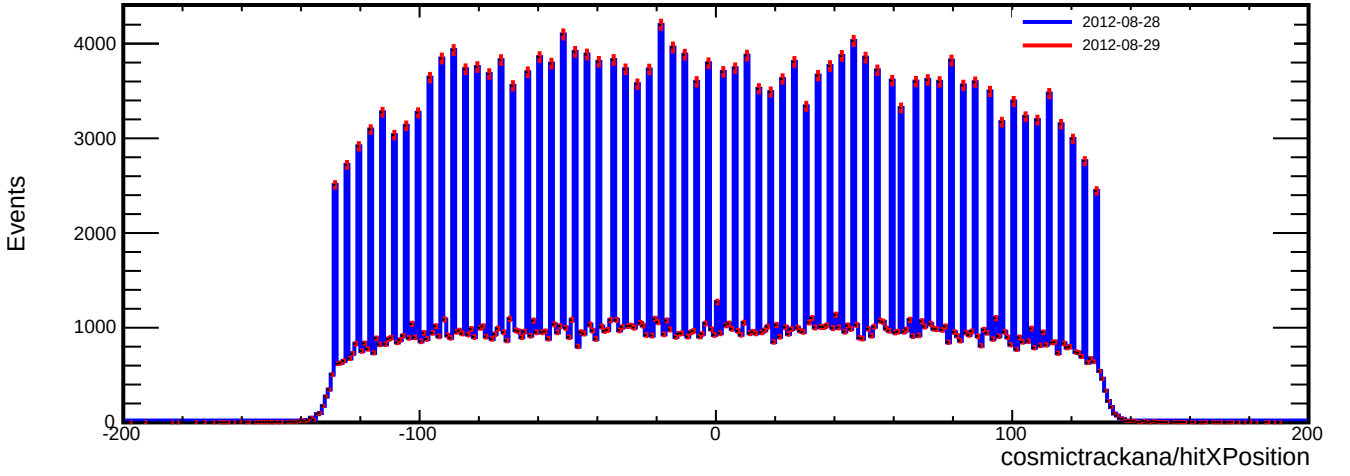

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.05
0
-0.05
0
100
200
300
400
500
cosmictrackana/vtxDistToEdge

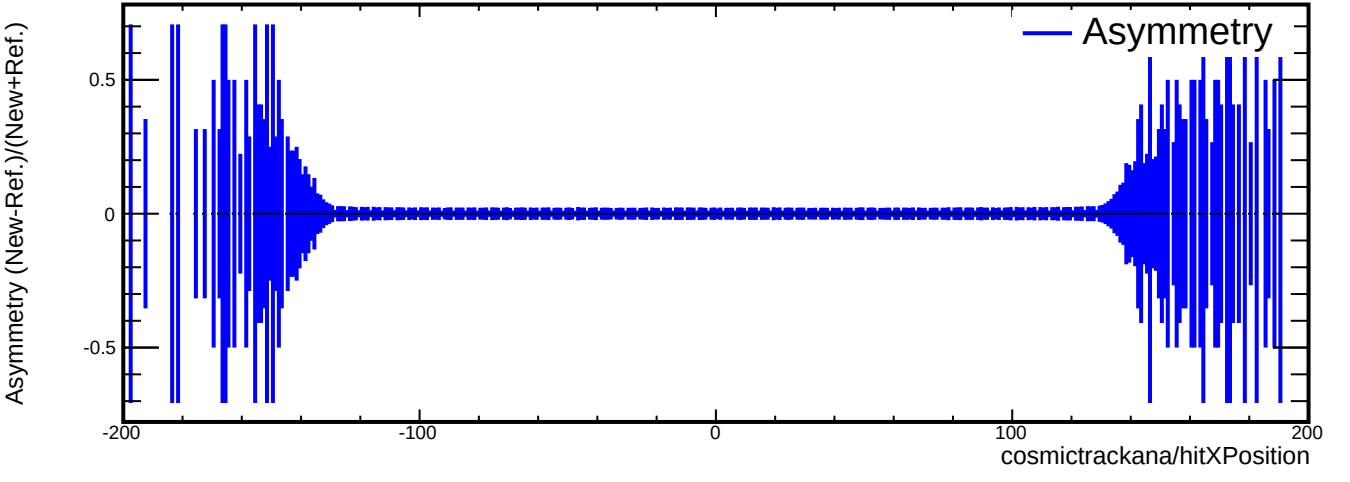

2012-08-28
2012-08-29
Events
0
10
20
30
40
50
0
500
1000
1500
cosmictrackana/trackLength

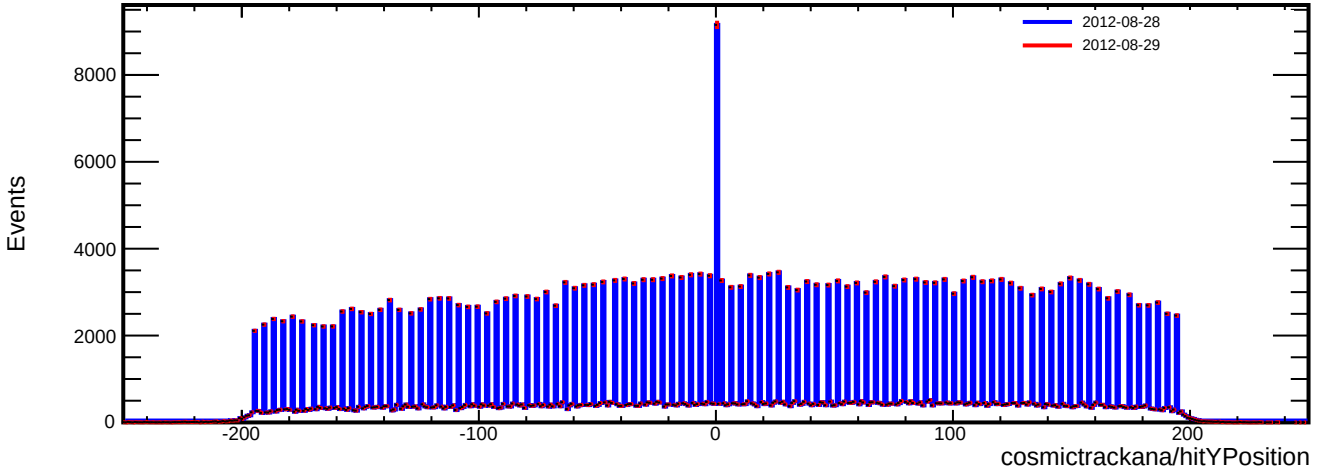

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
0
500
1000
1500
cosmictrackana/trackLength

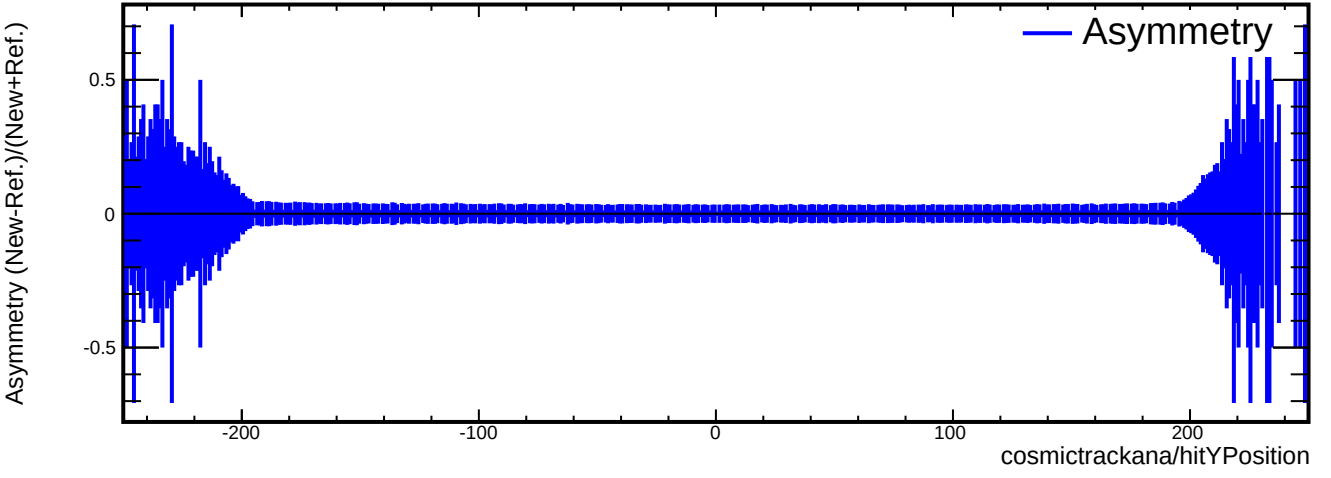

2012-08-28
2012-08-29
Events
1200
1000
800
600
400
200
0
0
0.2
0.4
0.6
0.8
1
cosmictrackana/coscosmic

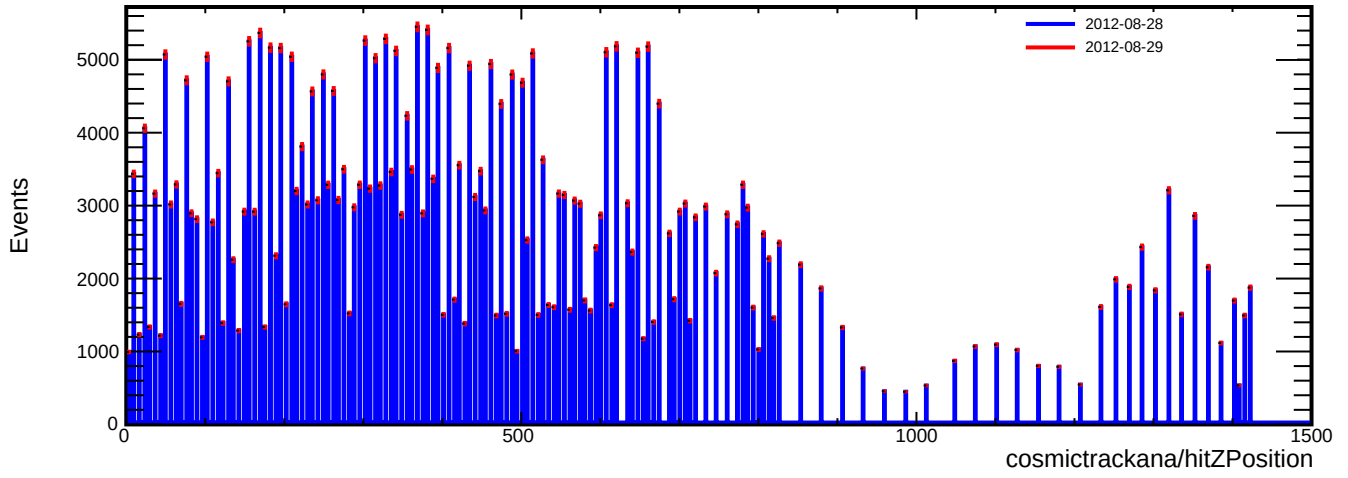

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
0
0.2
0.4
0.6
0.8
1
cosmictrackana/coscosmic

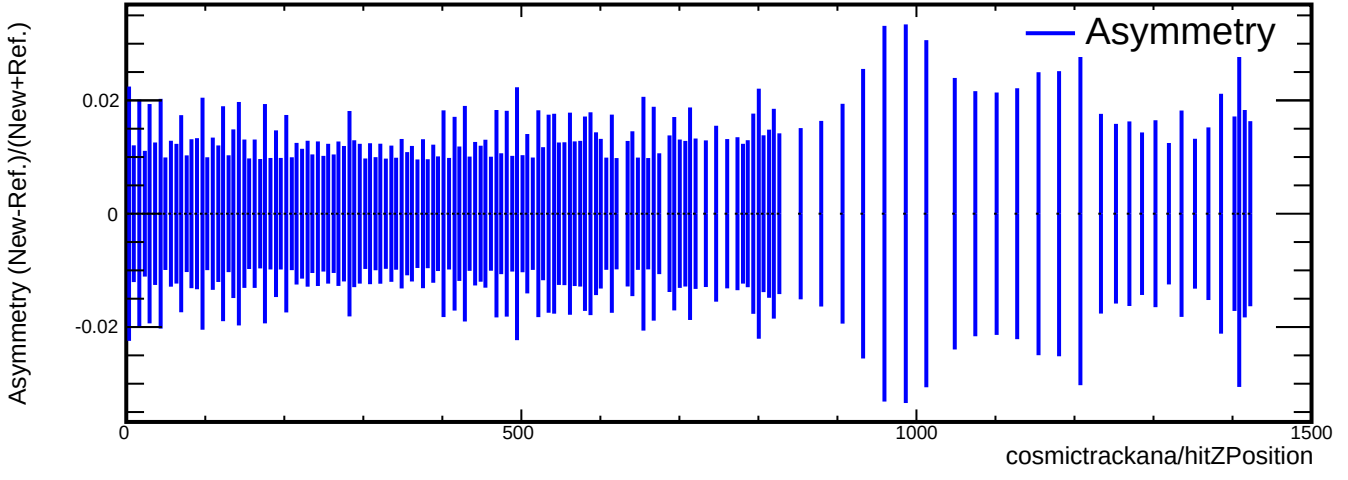

2012-08-28
2012-08-29
Events
4000
3000
2000
1000
0
-200
-100
0
100
200
cosmictrackana/hitXPosition

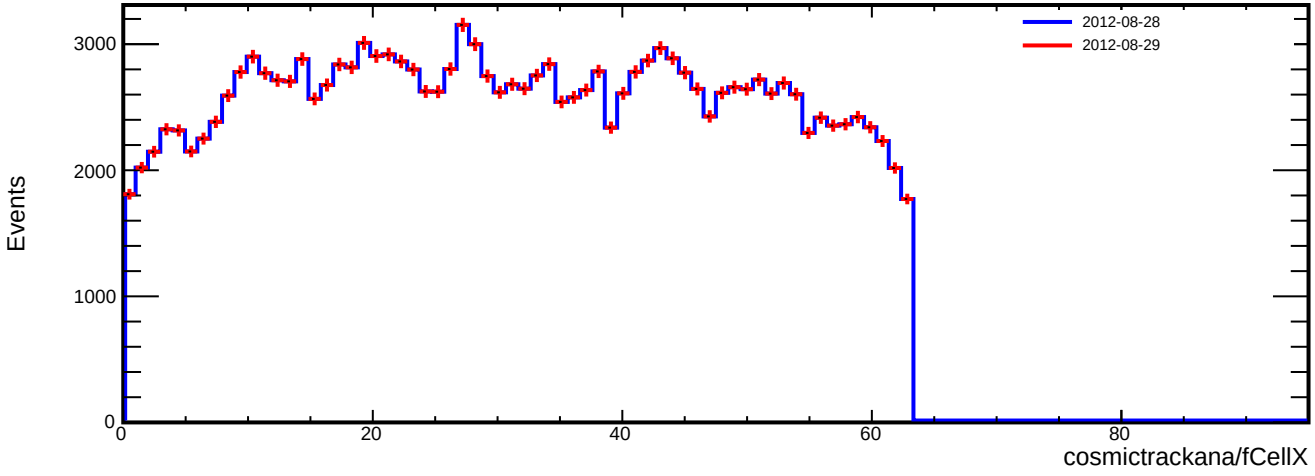

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/hitXPosition

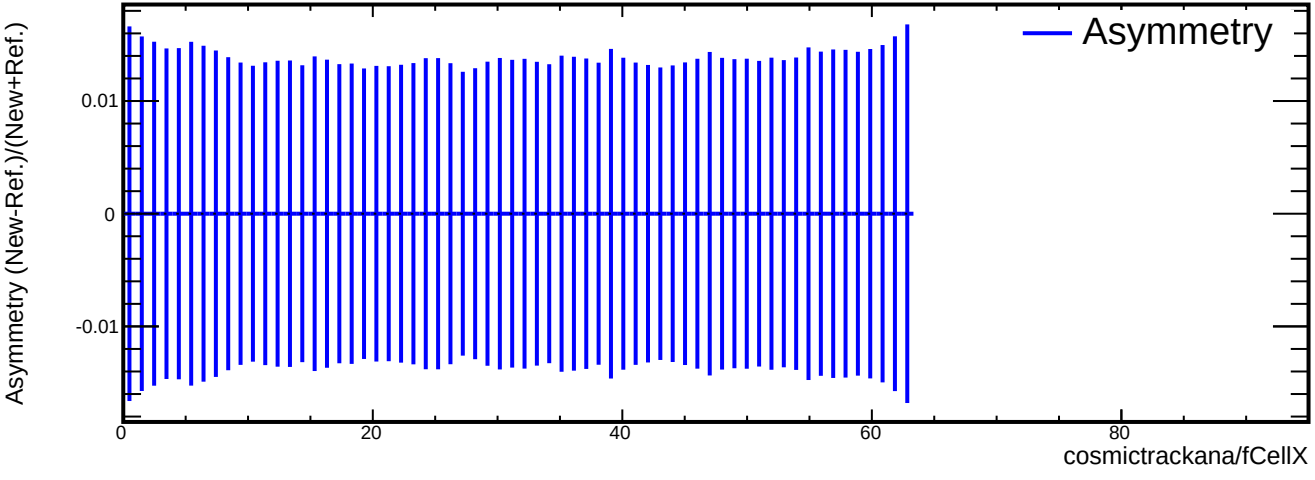

2012-08-28
2012-08-29
Events
8000
6000
4000
2000
0
-200
-100
0
100
200
cosmictrackana/hitYPosition

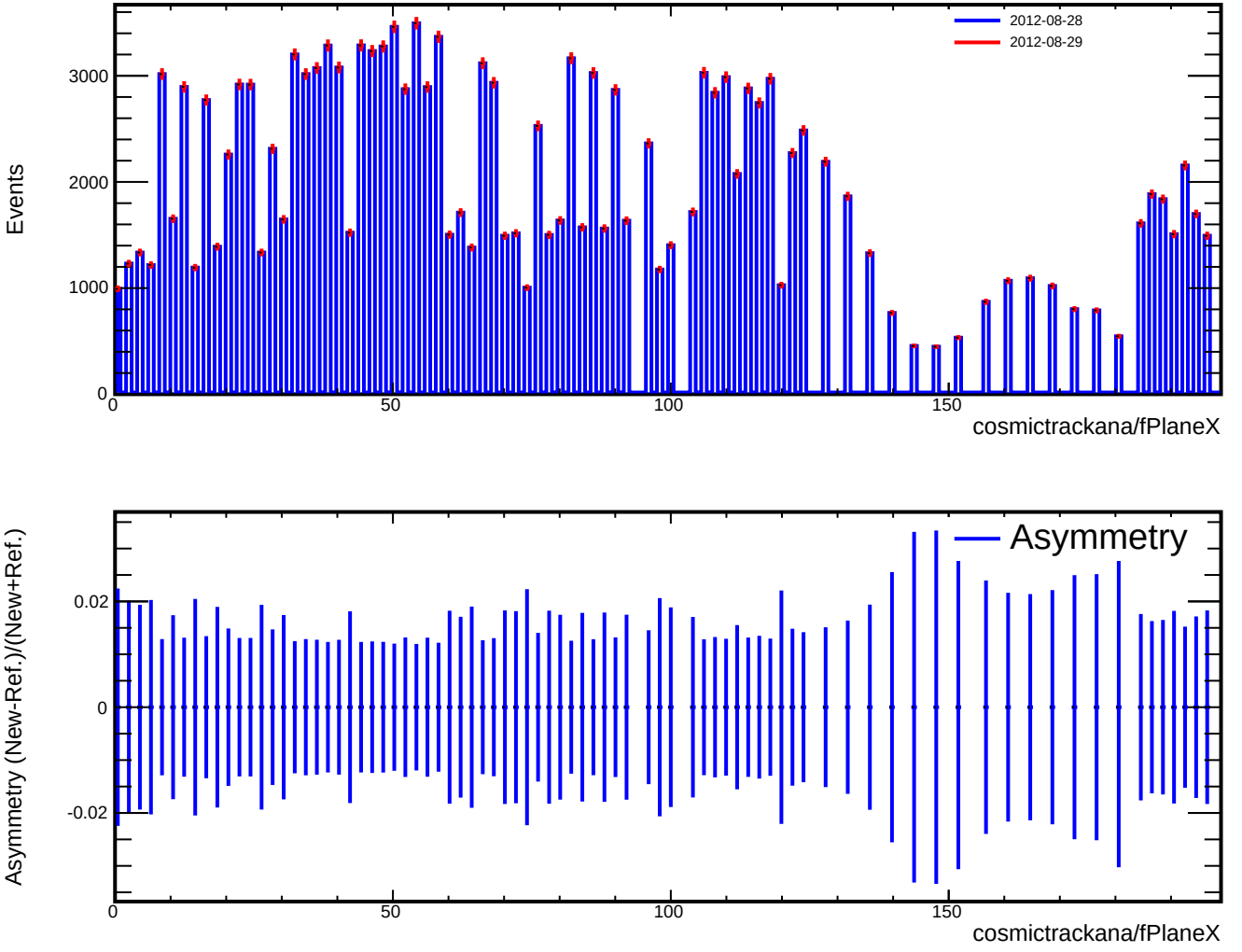

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
-200
-100
0
100
200
cosmictrackana/hitYPosition

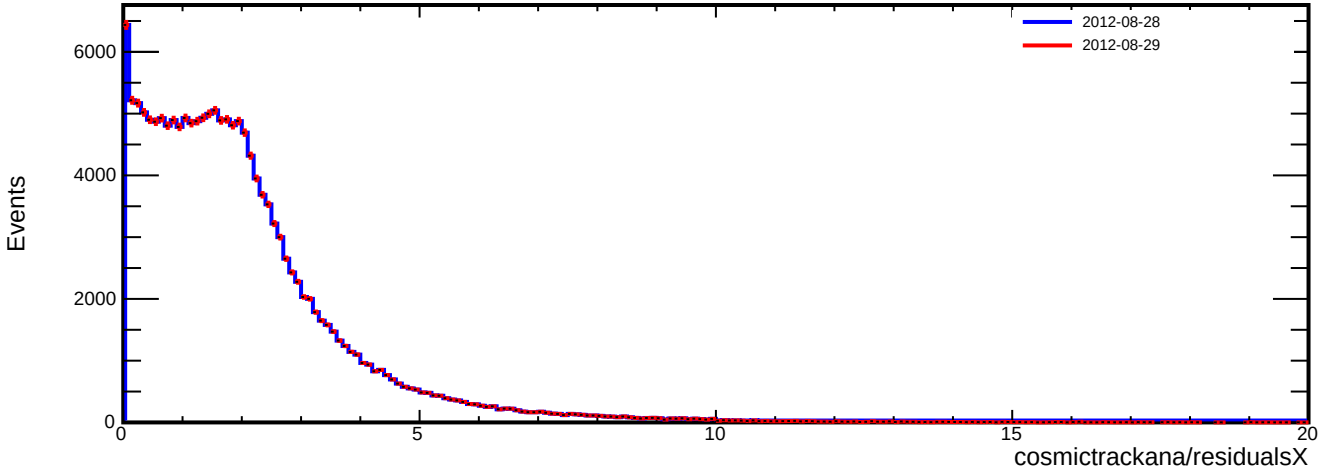

2012-08-28
2012-08-29
Events
0
1000
2000
3000
4000
5000
0
500
1000
1500
cosmictrackana/hitZPosition

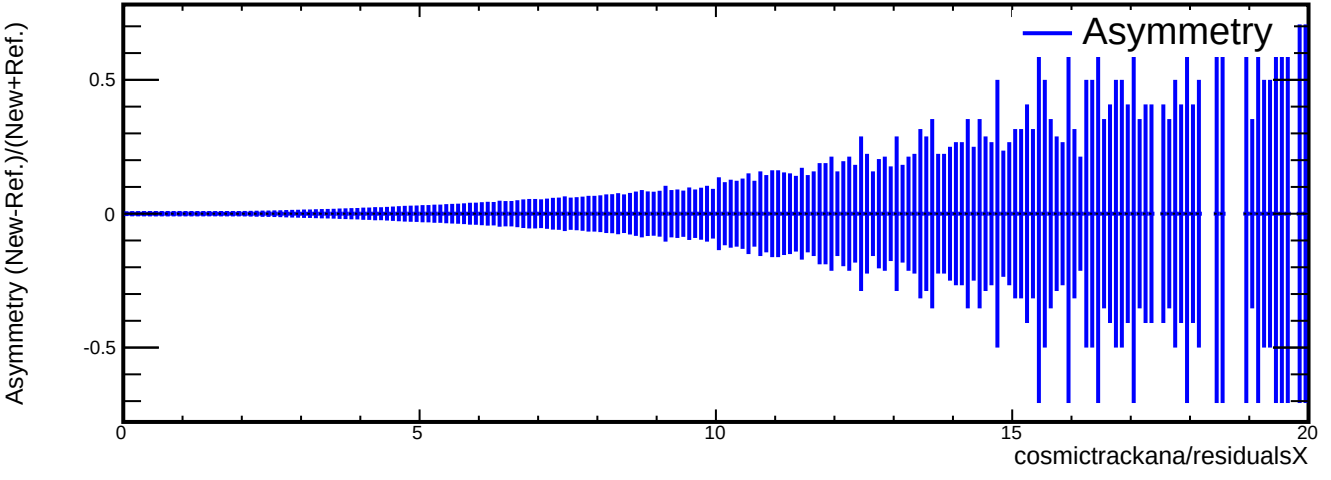

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0
-0.02
0
500
1000
1500
cosmictrackana/hitZPosition

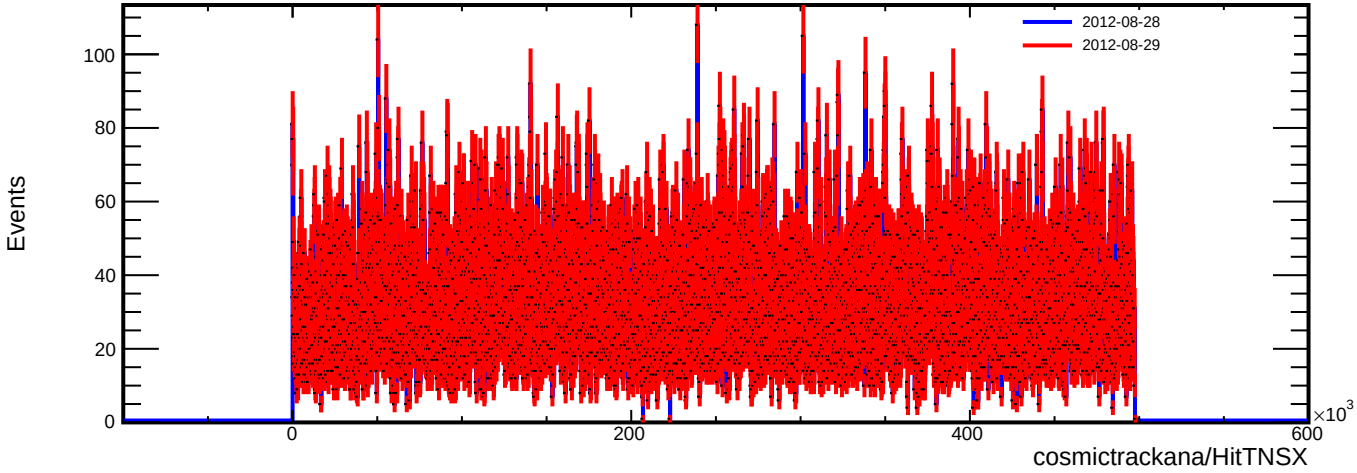

2012-08-28
2012-08-29
Events
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellX

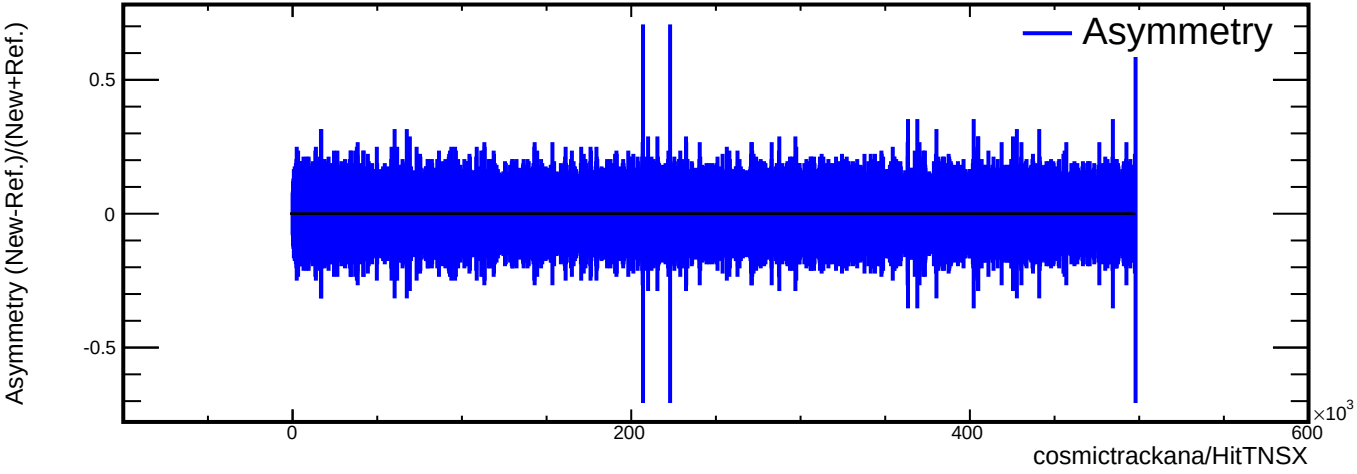

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.01
0
-0.01
0
20
40
60
80
cosmictrackana/fCellX

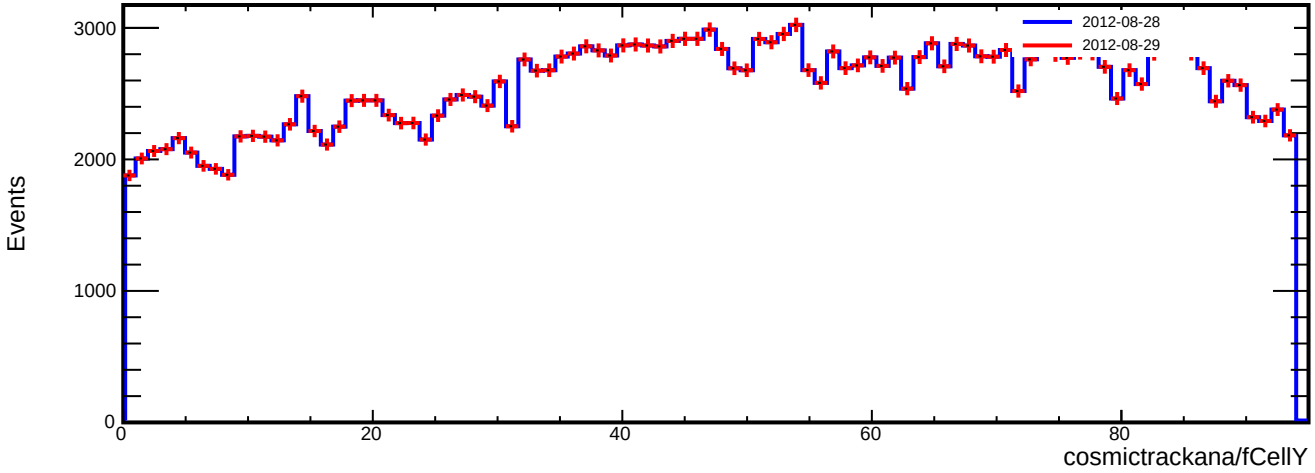

2012-08-28
2012-08-29
Events
3000
2000
1000
0
0
50
100
150
cosmictrackana/fPlaneX
Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0
-0.02
0
50
100
150
cosmictrackana/fPlaneX

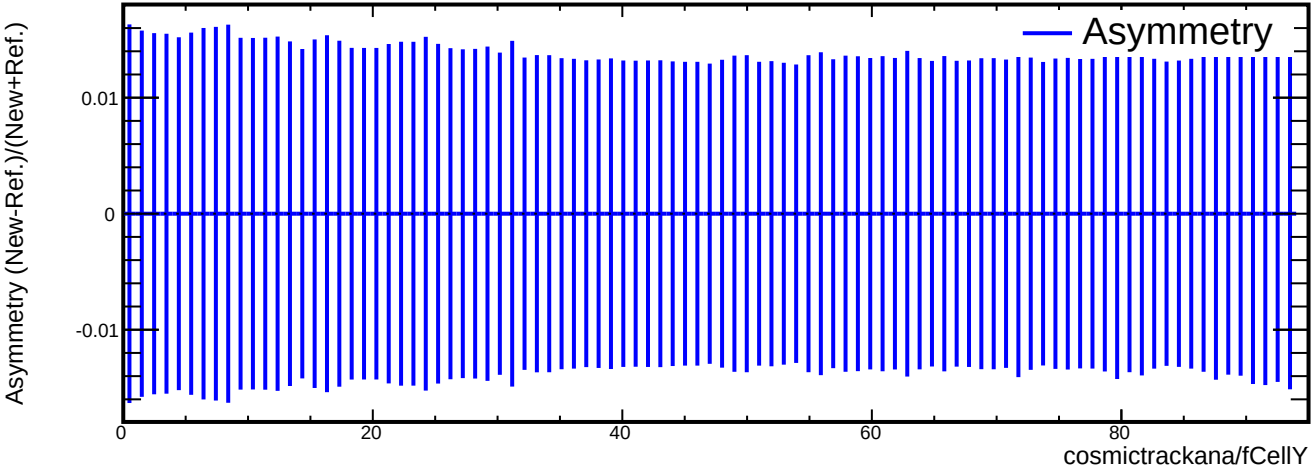

2012-08-28
2012-08-29
Events
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsX

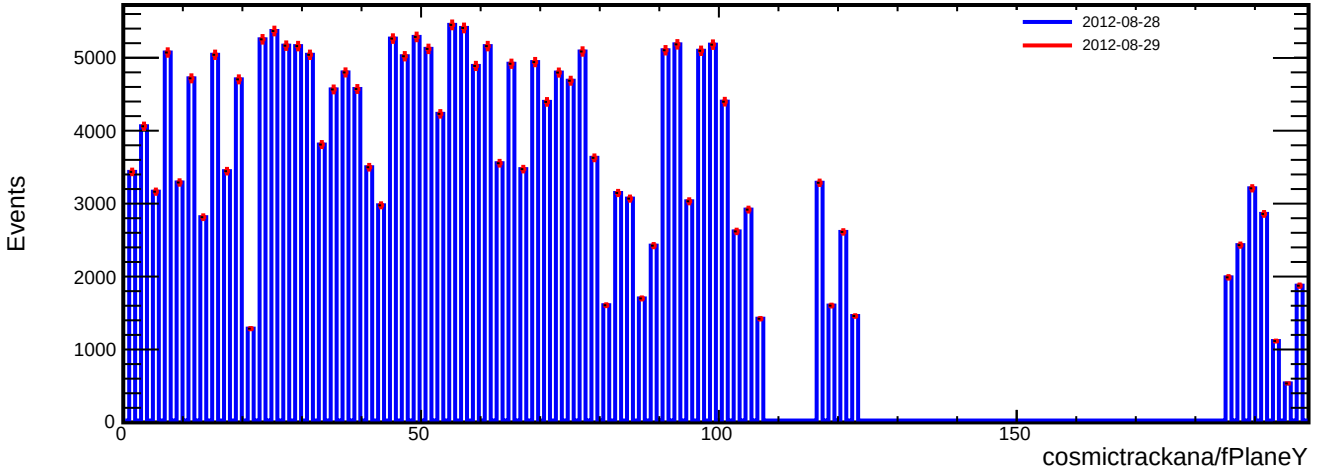

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
0
5
10
15
20
cosmictrackana/residualsX

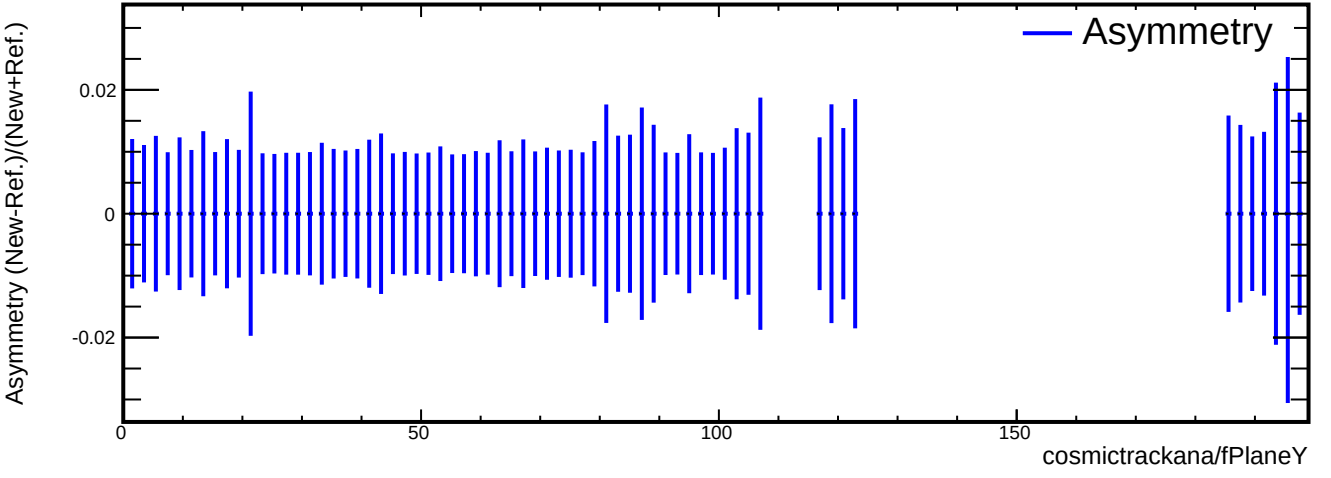

2012-08-28
2012-08-29
Events
100
80
60
40
20
0
0
200
400
600
×10^3
cosmictrackana/HitTNSX

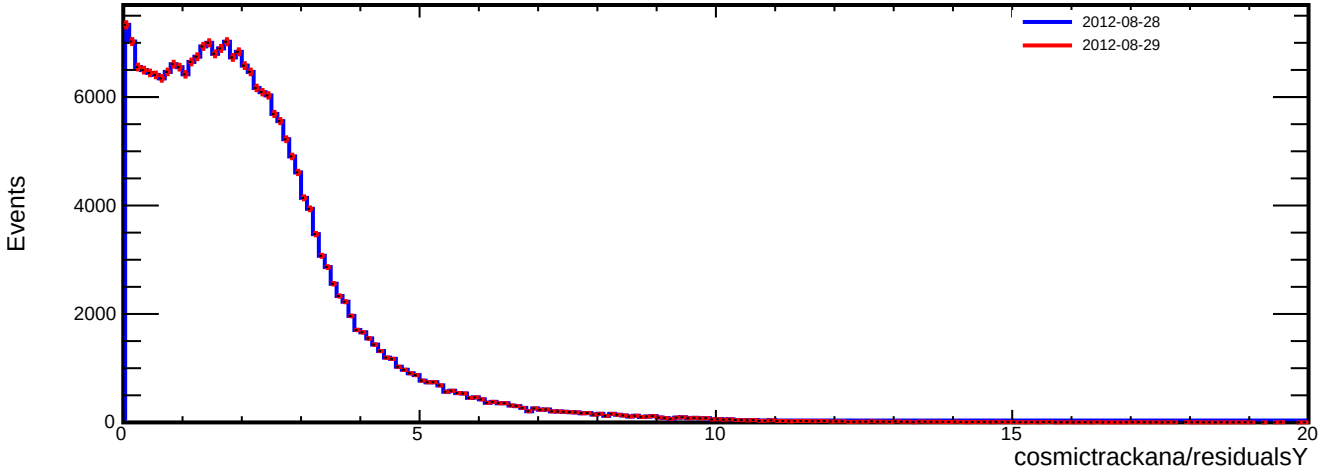

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.5
0
-0.5
0
200
400
600
×10^3
cosmictrackana/HitTNSX

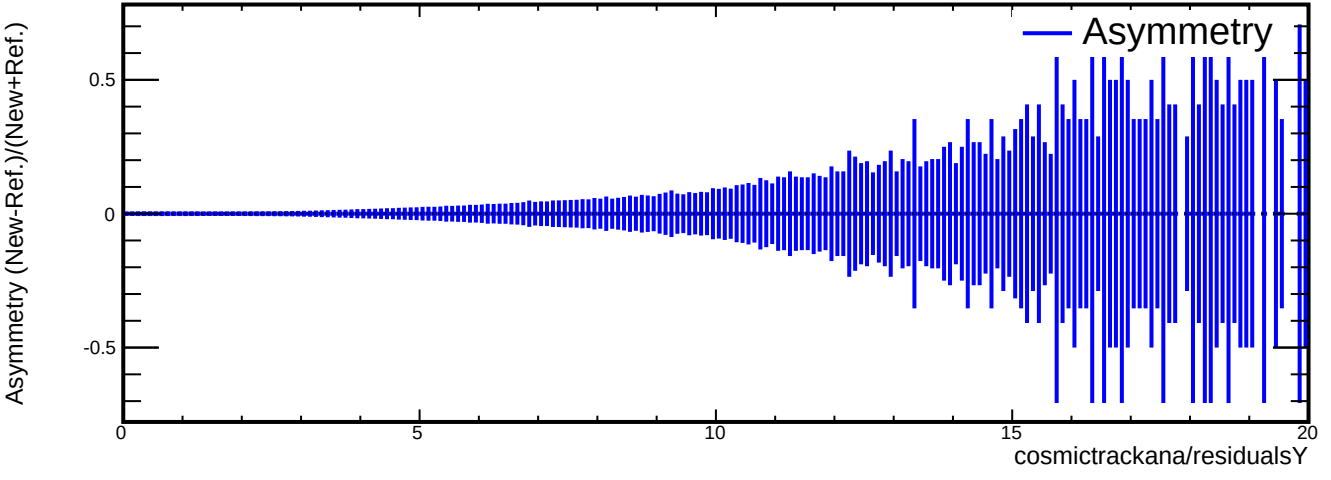

2012-08-28
2012-08-29
Events
3000
2000
1000
0
0
20
40
60
80
cosmictrackana/fCellY

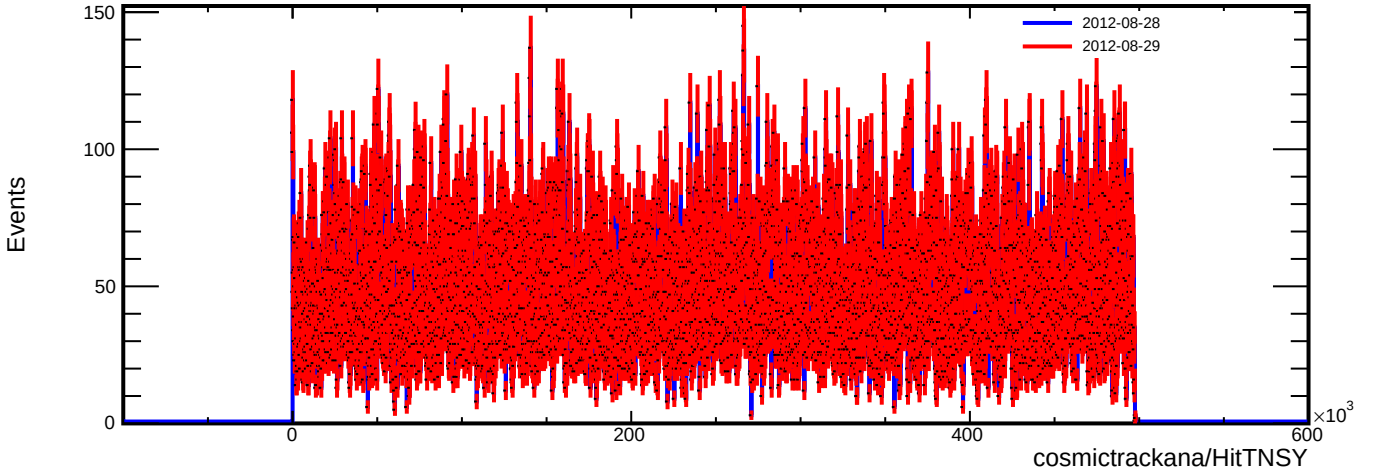

Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.01
0
-0.01
0
20
40
60
80
cosmictrackana/fCellY

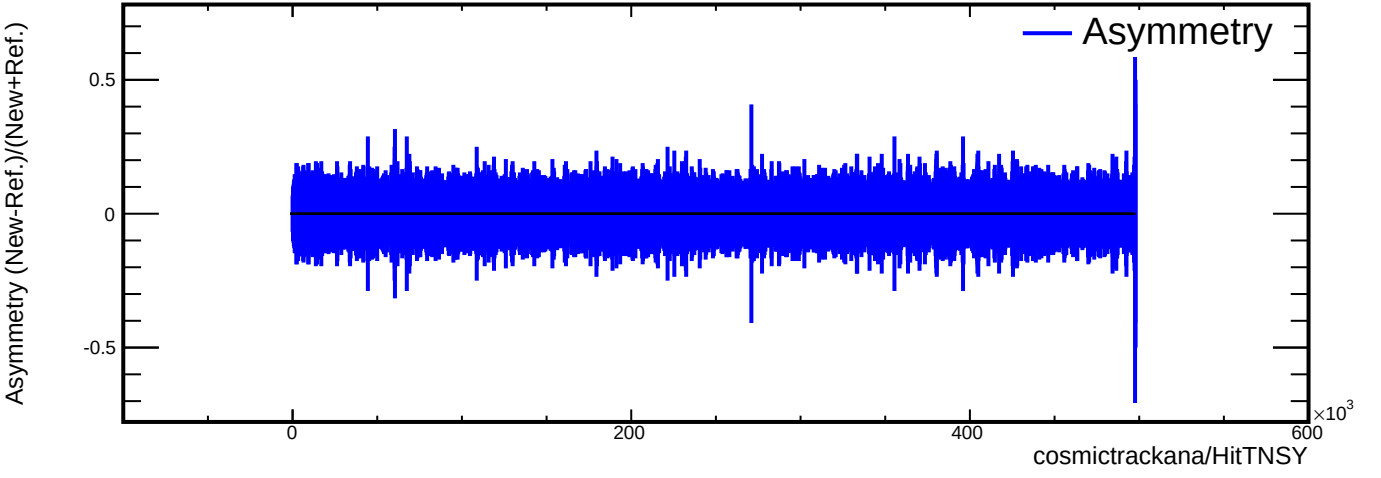

2012-08-28
2012-08-29
Events
0
1000
2000
3000
4000
5000
0
50
100
150
cosmictrackana/fPlaneY


Asymmetry
Asymmetry (New-Ref.)/(New+Ref.)
0.02
0
-0.02
0
50
100
150
cosmictrackana/fPlaneY


2012-08-28
2012-08-29
Events
6000
4000
2000
0
0
5
10
15
20
cosmictrackana/residualsY


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


2012-08-28
2012-08-29
Events
150
100
50
0
0
200
400
600
×10^3
cosmictrackana/HitTNSY


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