

Tracker Cluster Analysis

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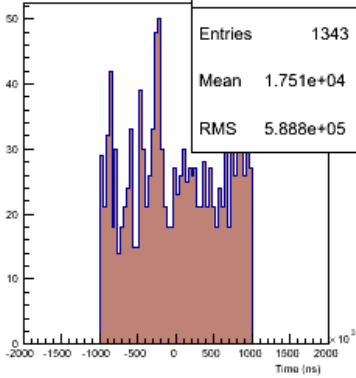
Cluster Notes

- Tracker planes have two layers of overlapping fibers.
- A cluster is the collection of hits from neighboring groups of fibers.
- The V z-position offset is -0.6398 mm and is at an angle of $+120$ degrees
- The W z-position offset is $+0.000125$ mm and is at an angle of -120 degrees
- The U z-position offset is $+0.6648$ mm

Cluster Data (t)

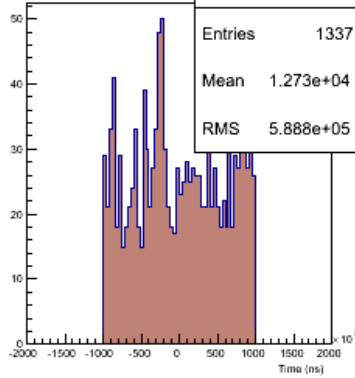
Tracker0 Station1 Time

Entries	1343
Mean	1.751e+04
RMS	5.888e+05



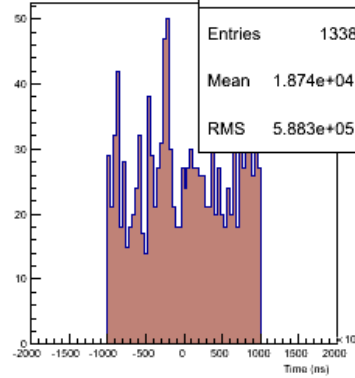
Tracker0 Station2 Time

Entries	1337
Mean	1.273e+04
RMS	5.888e+05



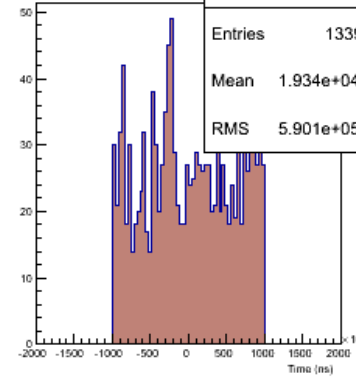
Tracker0 Station3 Time

Entries	1338
Mean	1.874e+04
RMS	5.883e+05



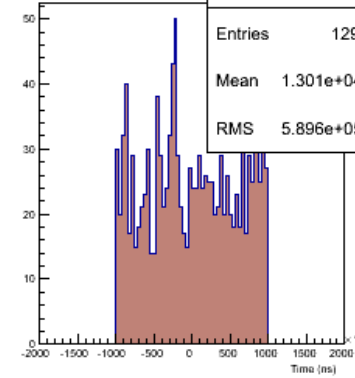
Tracker0 Station4 Time

Entries	1339
Mean	1.934e+04
RMS	5.901e+05



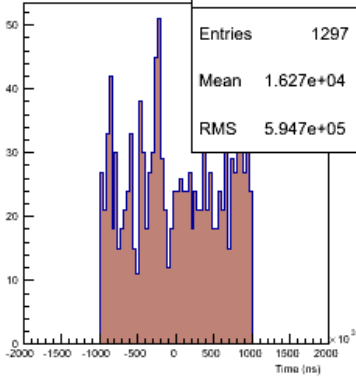
Tracker0 Station5 Time

Entries	1291
Mean	1.301e+04
RMS	5.896e+05



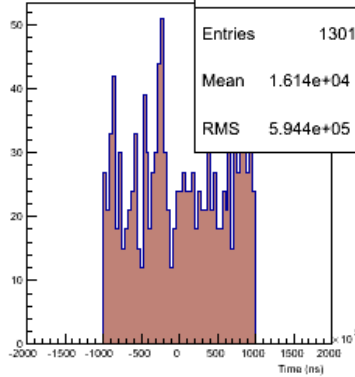
Tracker1 Station1 Time

Entries	1297
Mean	1.627e+04
RMS	5.947e+05



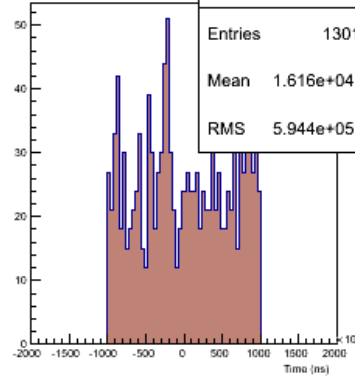
Tracker1 Station2 Time

Entries	1301
Mean	1.614e+04
RMS	5.944e+05



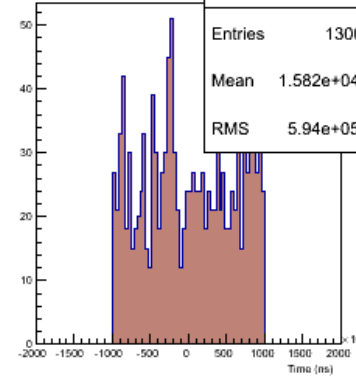
Tracker1 Station3 Time

Entries	1301
Mean	1.616e+04
RMS	5.944e+05



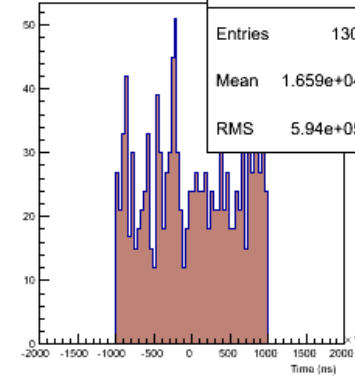
Tracker1 Station4 Time

Entries	1300
Mean	1.582e+04
RMS	5.94e+05



Tracker1 Station5 Time

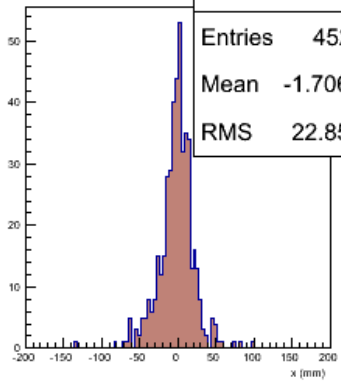
Entries	1301
Mean	1.659e+04
RMS	5.94e+05



V Cluster Data (x)

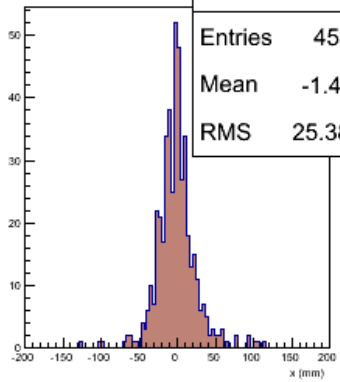
Tracker0 Station1 x

Entries 452
Mean -1.706
RMS 22.85



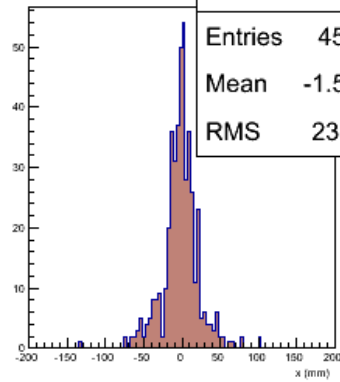
Tracker0 Station2 x

Entries 453
Mean -1.41
RMS 25.38



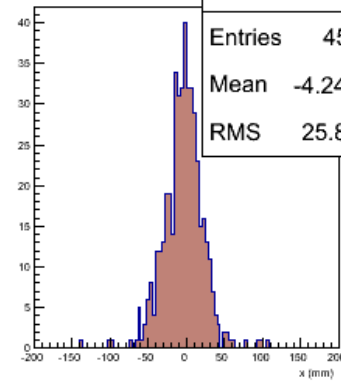
Tracker0 Station3 x

Entries 453
Mean -1.53
RMS 23.8



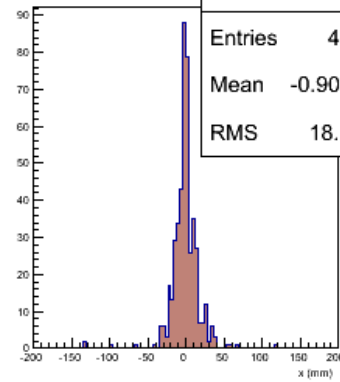
Tracker0 Station4 x

Entries 453
Mean -4.244
RMS 25.84



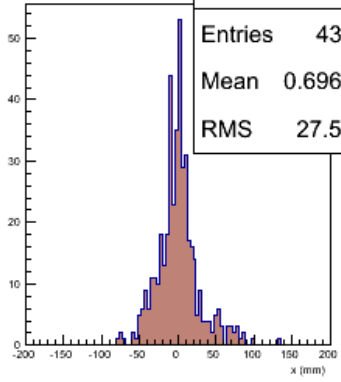
Tracker0 Station5 x

Entries 452
Mean -0.9027
RMS 18.32



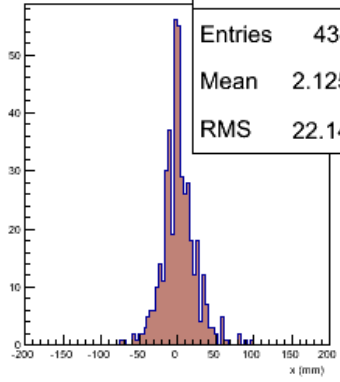
Tracker1 Station1 x

Entries 434
Mean 0.6965
RMS 27.55



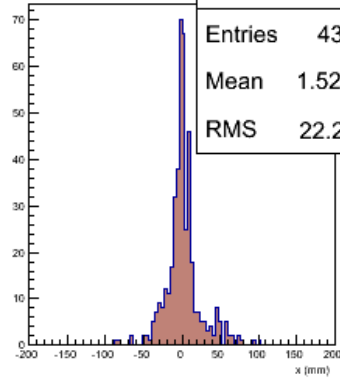
Tracker1 Station2 x

Entries 434
Mean 2.125
RMS 22.14



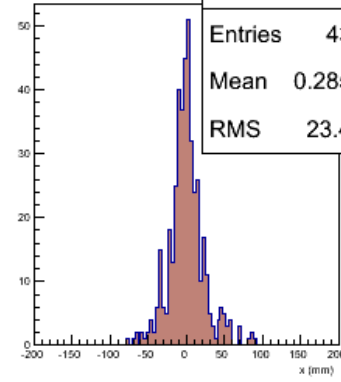
Tracker1 Station3 x

Entries 434
Mean 1.522
RMS 22.21



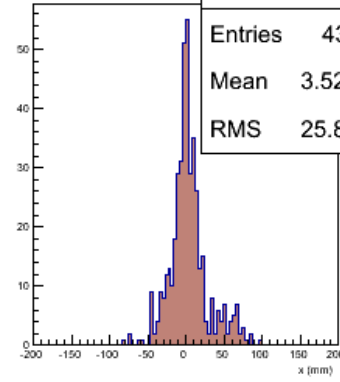
Tracker1 Station4 x

Entries 434
Mean 0.2858
RMS 23.45



Tracker1 Station5 x

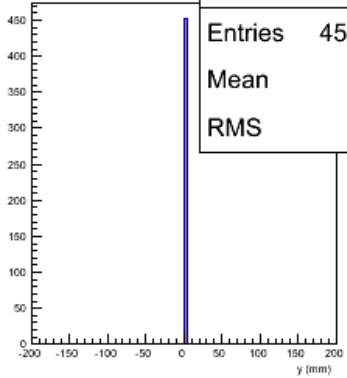
Entries 434
Mean 3.524
RMS 25.87



V Cluster Data (y)

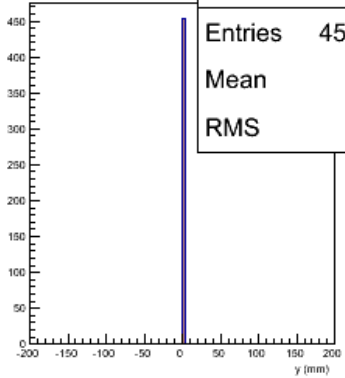
Tracker0 Station1 y

Entries	452
Mean	0
RMS	0



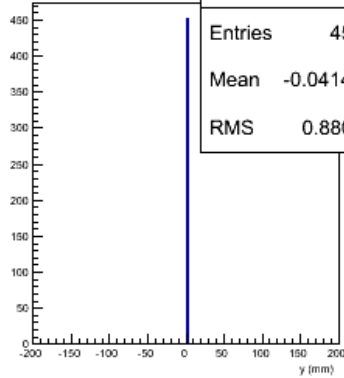
Tracker0 Station2 y

Entries	453
Mean	0
RMS	0



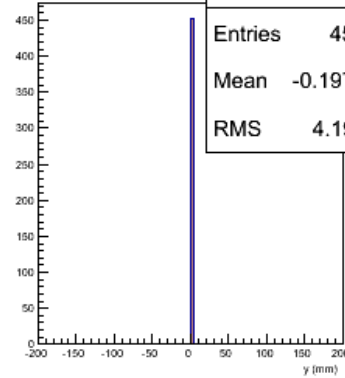
Tracker0 Station3 y

Entries	453
Mean	-0.04143
RMS	0.8808



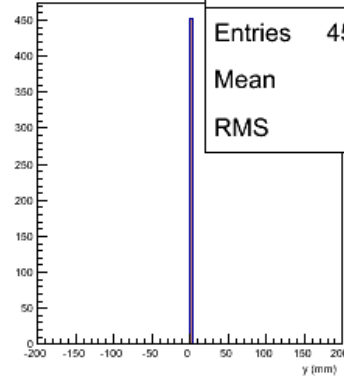
Tracker0 Station4 y

Entries	453
Mean	-0.1971
RMS	4.191



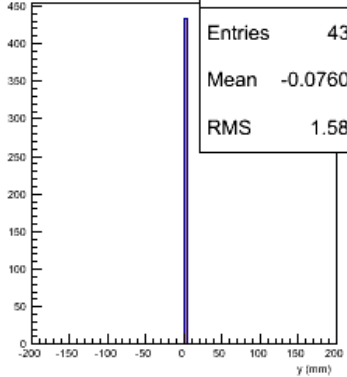
Tracker0 Station5 y

Entries	452
Mean	0
RMS	0



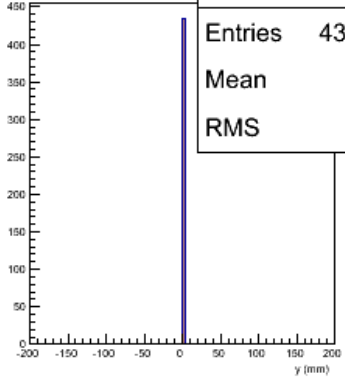
Tracker1 Station1 y

Entries	434
Mean	-0.07605
RMS	1.582



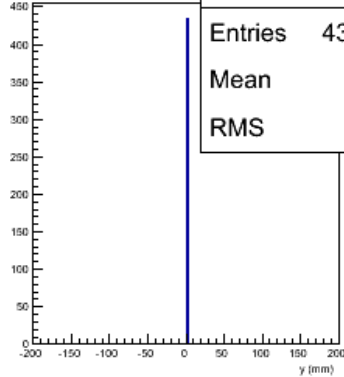
Tracker1 Station2 y

Entries	434
Mean	0
RMS	0



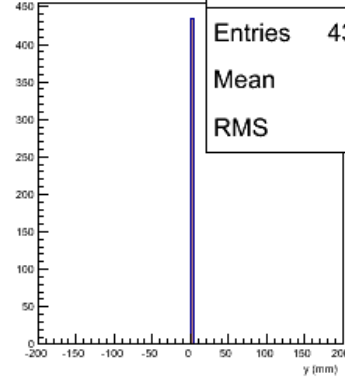
Tracker1 Station3 y

Entries	434
Mean	0
RMS	0



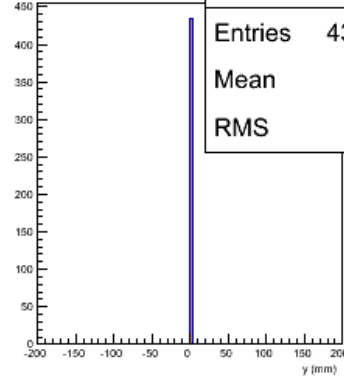
Tracker1 Station4 y

Entries	434
Mean	0
RMS	0



Tracker1 Station5 y

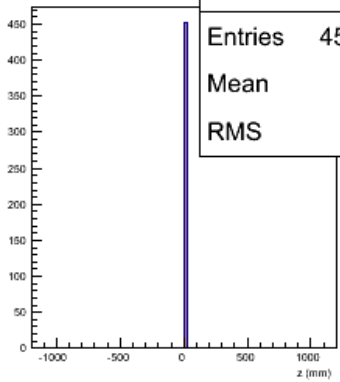
Entries	434
Mean	0
RMS	0



V Cluster Data (z)

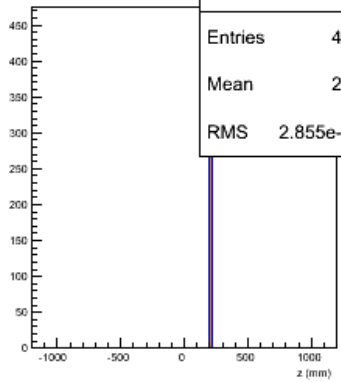
Tracker0 Station1 z

Entries	452
Mean	0
RMS	0



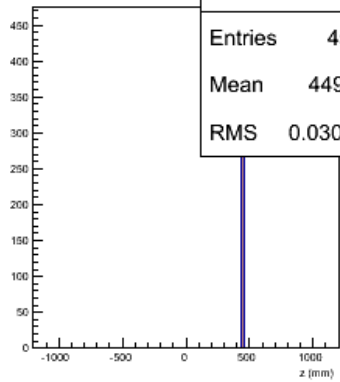
Tracker0 Station2 z

Entries	453
Mean	200
RMS	2.855e-05



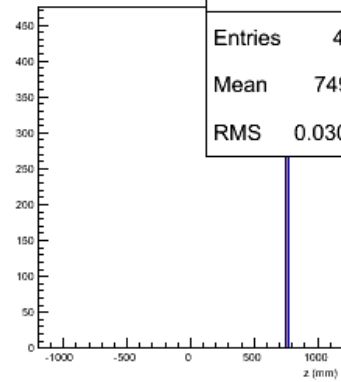
Tracker0 Station3 z

Entries	453
Mean	449.8
RMS	0.03061



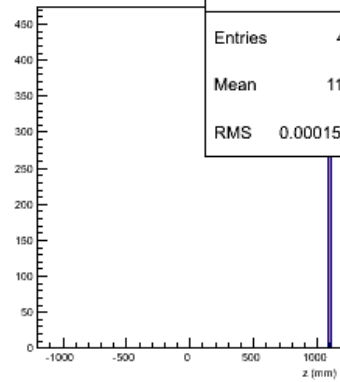
Tracker0 Station4 z

Entries	453
Mean	749.8
RMS	0.03061



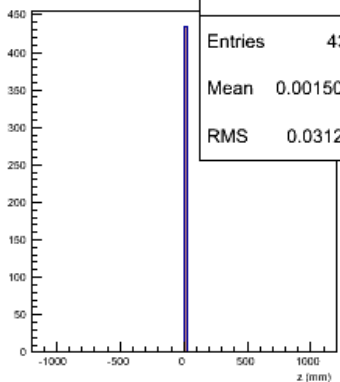
Tracker0 Station5 z

Entries	452
Mean	1100
RMS	0.0001503



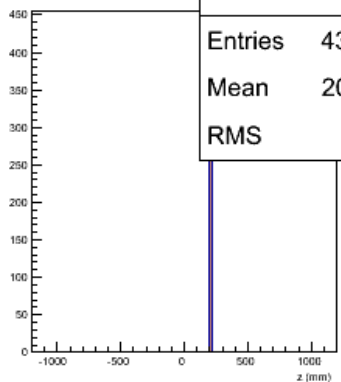
Tracker1 Station1 z

Entries	434
Mean	0.001503
RMS	0.03128



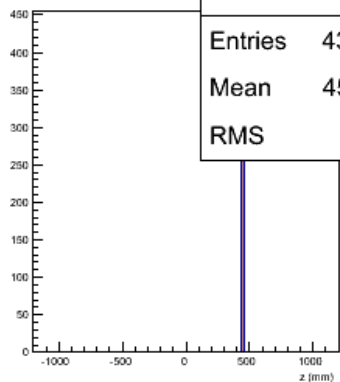
Tracker1 Station2 z

Entries	434
Mean	200
RMS	0



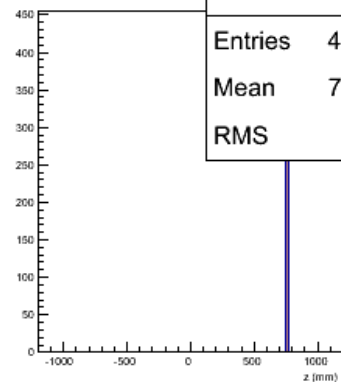
Tracker1 Station3 z

Entries	434
Mean	450
RMS	0



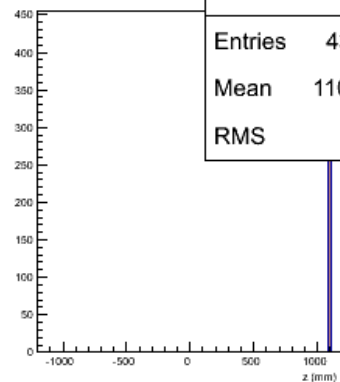
Tracker1 Station4 z

Entries	434
Mean	750
RMS	0



Tracker1 Station5 z

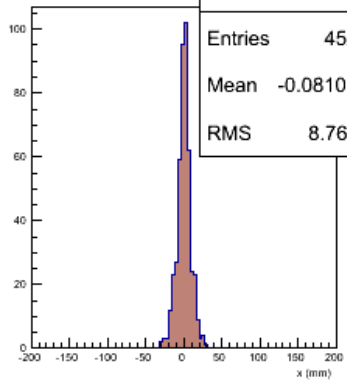
Entries	434
Mean	1100
RMS	0



W Cluster Data (x)

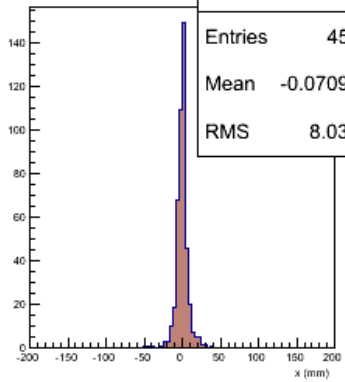
Tracker0 Station1 x

Entries	452
Mean	-0.08101
RMS	8.761



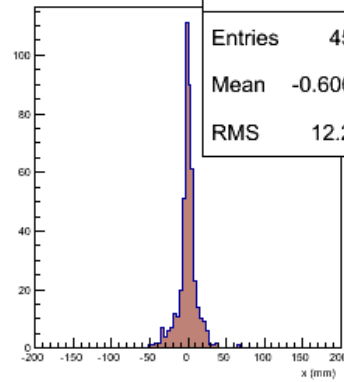
Tracker0 Station2 x

Entries	453
Mean	-0.07093
RMS	8.034



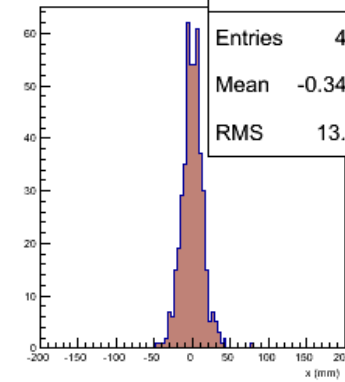
Tracker0 Station3 x

Entries	453
Mean	-0.6004
RMS	12.27



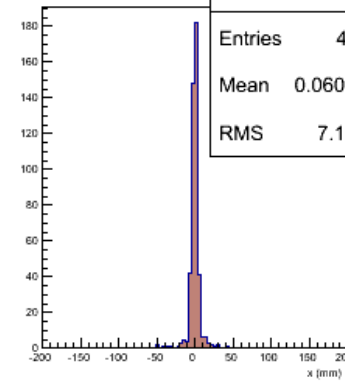
Tracker0 Station4 x

Entries	453
Mean	-0.3423
RMS	13.67



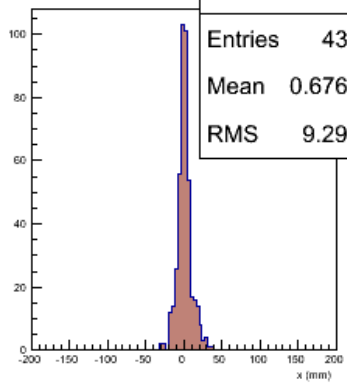
Tracker0 Station5 x

Entries	452
Mean	0.06034
RMS	7.186



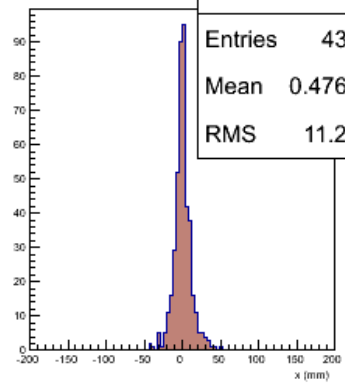
Tracker1 Station1 x

Entries	434
Mean	0.6767
RMS	9.299



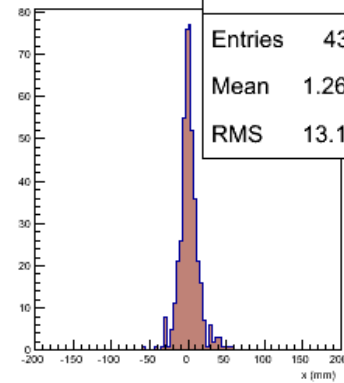
Tracker1 Station2 x

Entries	434
Mean	0.4769
RMS	11.24



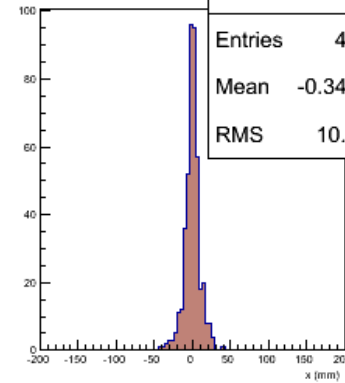
Tracker1 Station3 x

Entries	434
Mean	1.269
RMS	13.16



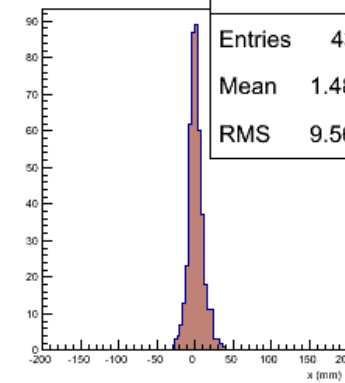
Tracker1 Station4 x

Entries	434
Mean	-0.3487
RMS	10.07



Tracker1 Station5 x

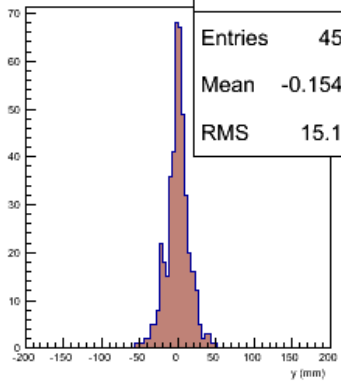
Entries	434
Mean	1.487
RMS	9.568



W Cluster Data (y)

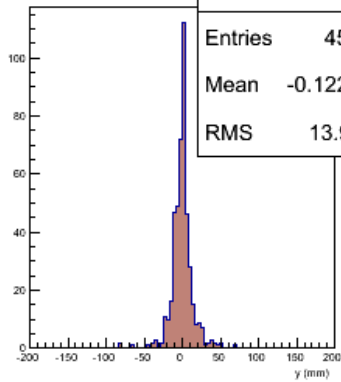
Tracker0 Station1 y

Entries 452
Mean -0.1546
RMS 15.17



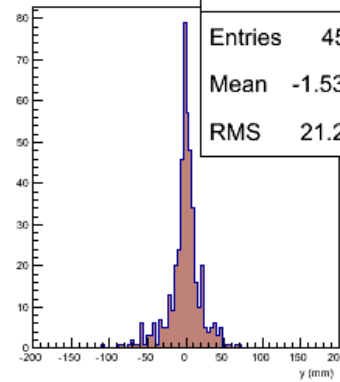
Tracker0 Station2 y

Entries 453
Mean -0.1229
RMS 13.91



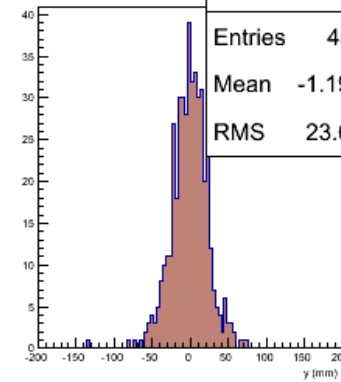
Tracker0 Station3 y

Entries 453
Mean -1.534
RMS 21.23



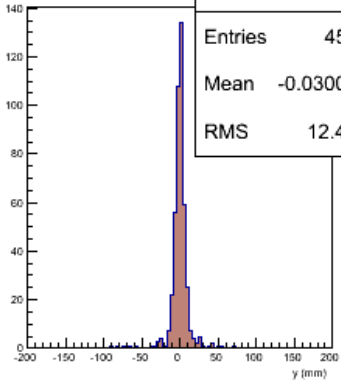
Tracker0 Station4 y

Entries 453
Mean -1.193
RMS 23.65



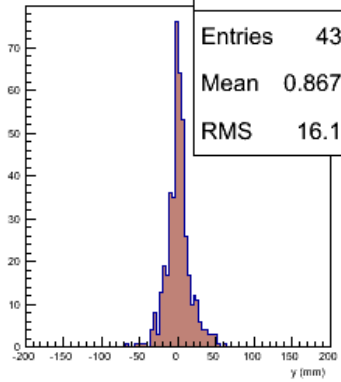
Tracker0 Station5 y

Entries 452
Mean -0.03007
RMS 12.45



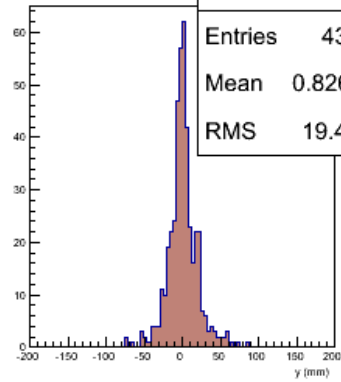
Tracker1 Station1 y

Entries 434
Mean 0.8678
RMS 16.13



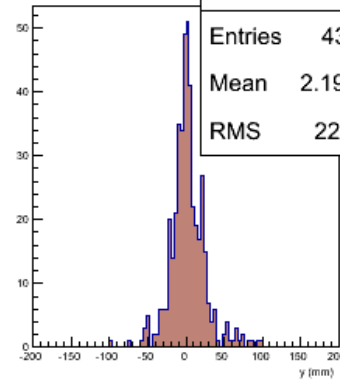
Tracker1 Station2 y

Entries 434
Mean 0.8261
RMS 19.47



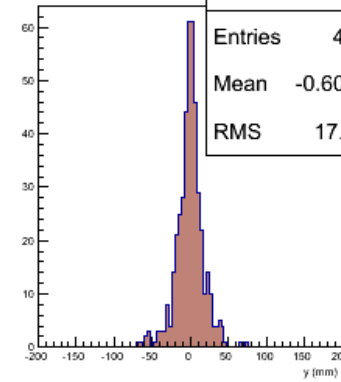
Tracker1 Station3 y

Entries 434
Mean 2.198
RMS 22.8



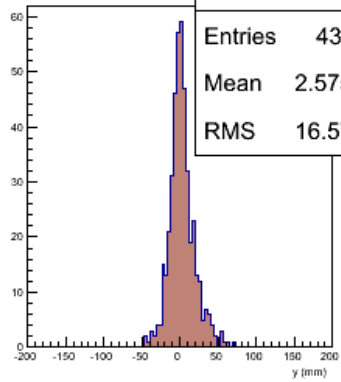
Tracker1 Station4 y

Entries 434
Mean -0.6039
RMS 17.44



Tracker1 Station5 y

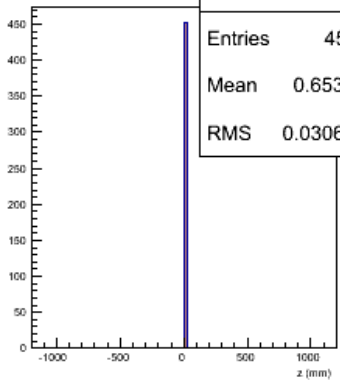
Entries 434
Mean 2.575
RMS 16.57



W Cluster Data (z)

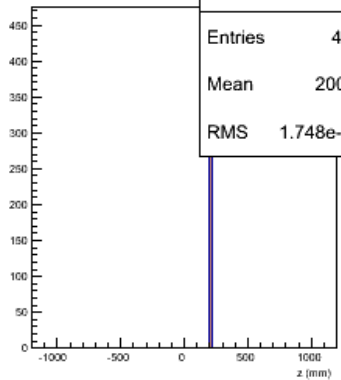
Tracker0 Station1 z

Entries	452
Mean	0.6537
RMS	0.03065



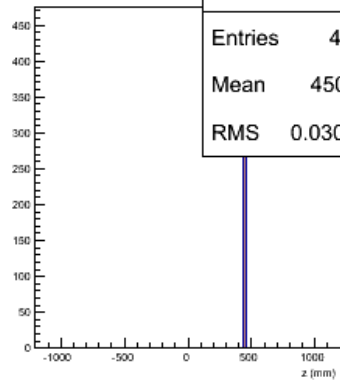
Tracker0 Station2 z

Entries	453
Mean	200.6
RMS	1.748e-05



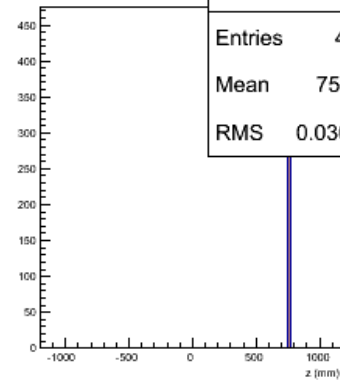
Tracker0 Station3 z

Entries	453
Mean	450.5
RMS	0.03061



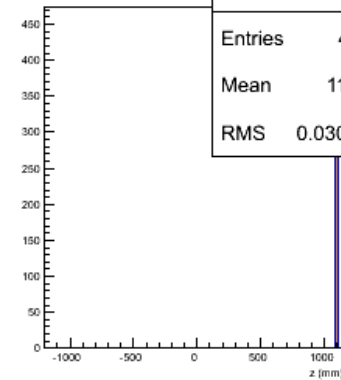
Tracker0 Station4 z

Entries	453
Mean	750.5
RMS	0.03061



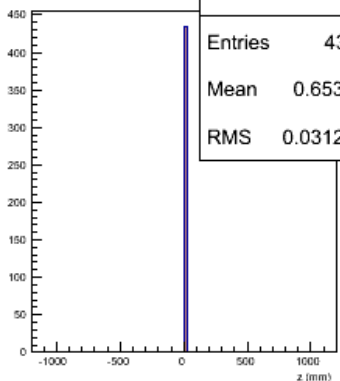
Tracker0 Station5 z

Entries	452
Mean	1100
RMS	0.03065



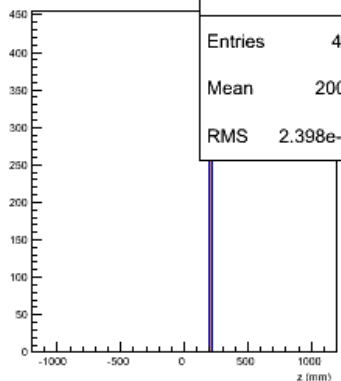
Tracker1 Station1 z

Entries	434
Mean	0.6538
RMS	0.03128



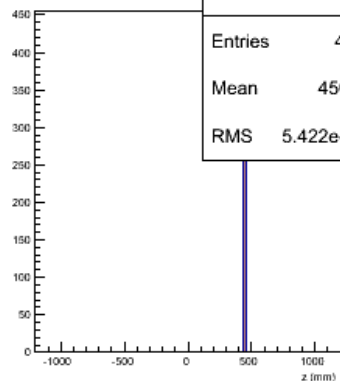
Tracker1 Station2 z

Entries	434
Mean	200.7
RMS	2.398e-05



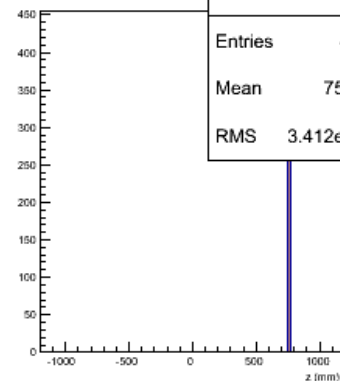
Tracker1 Station3 z

Entries	434
Mean	450.7
RMS	5.422e-05



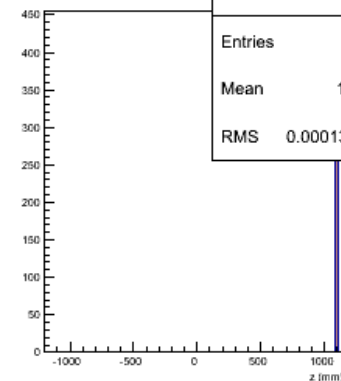
Tracker1 Station4 z

Entries	434
Mean	750.7
RMS	3.412e-05

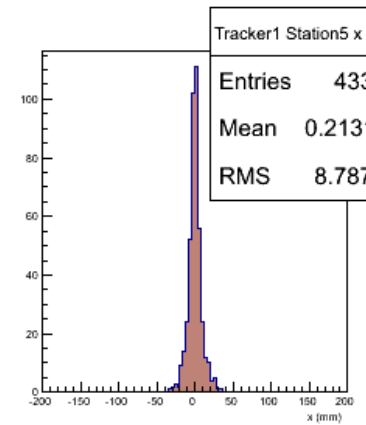
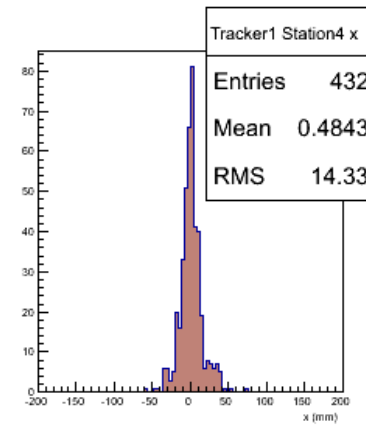
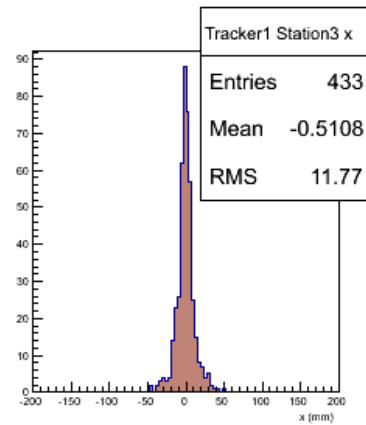
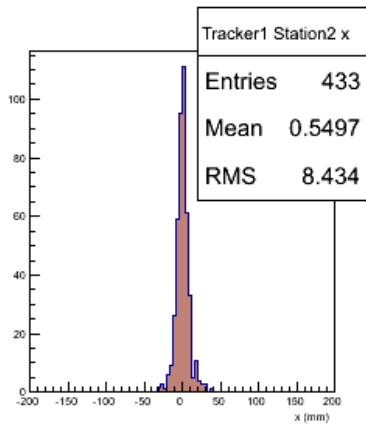
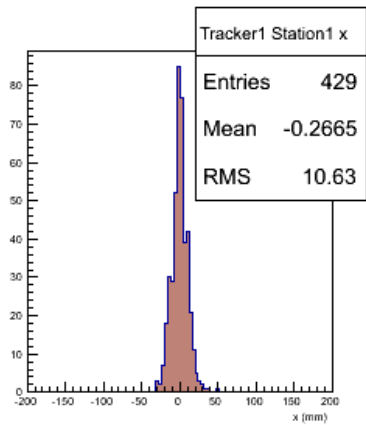
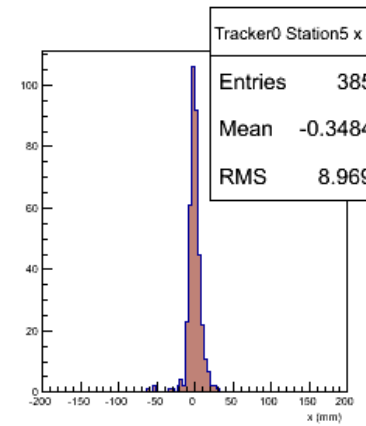
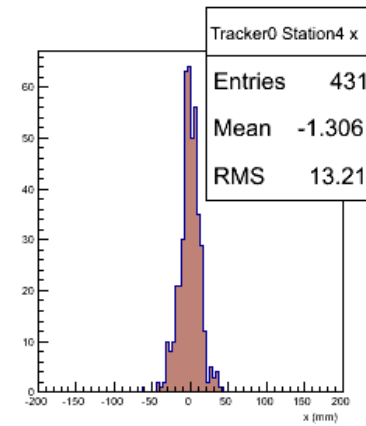
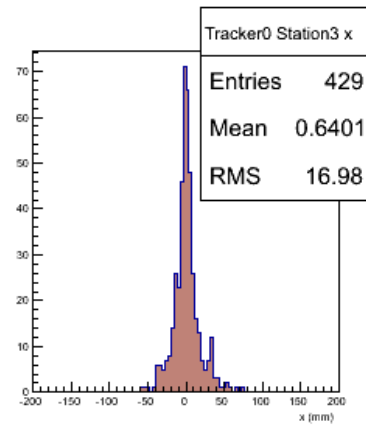
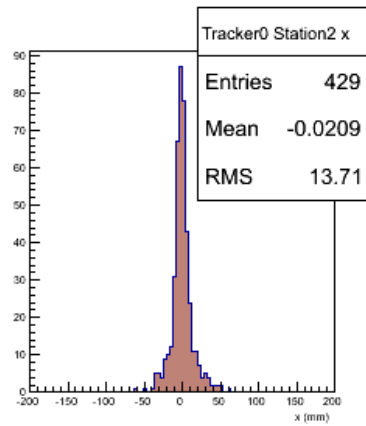
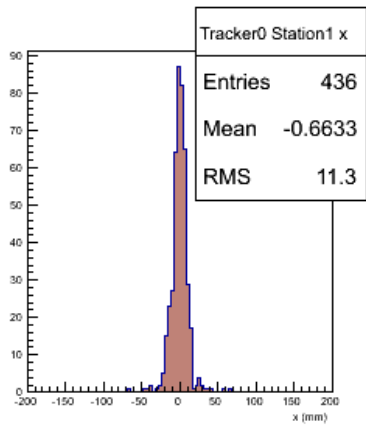


Tracker1 Station5 z

Entries	434
Mean	1101
RMS	0.0001313



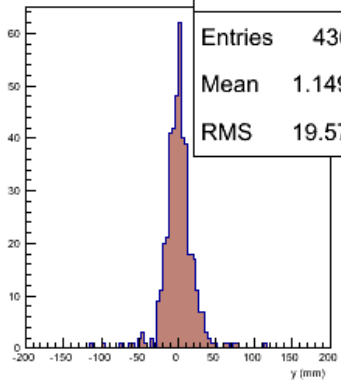
U Cluster Data (x)



U Cluster Data (y)

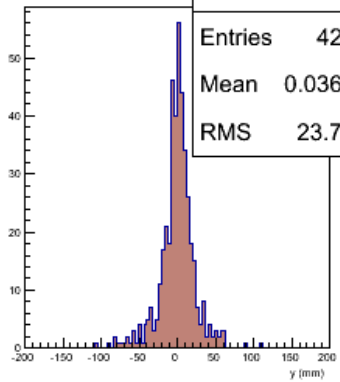
Tracker0 Station1 y

Entries 436
Mean 1.149
RMS 19.57



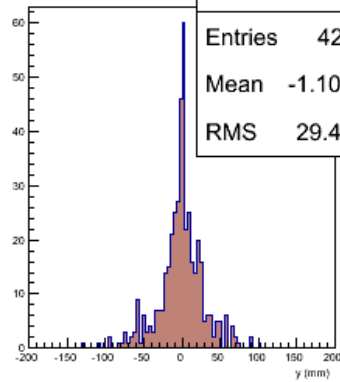
Tracker0 Station2 y

Entries 429
Mean 0.0362
RMS 23.75



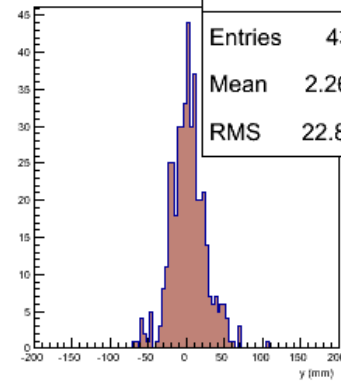
Tracker0 Station3 y

Entries 429
Mean -1.109
RMS 29.42



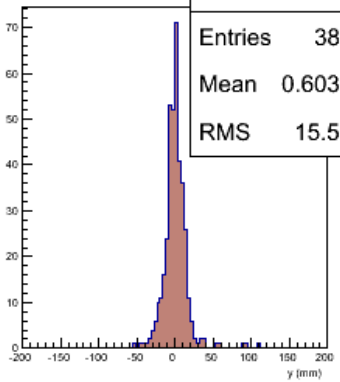
Tracker0 Station4 y

Entries 431
Mean 2.261
RMS 22.88



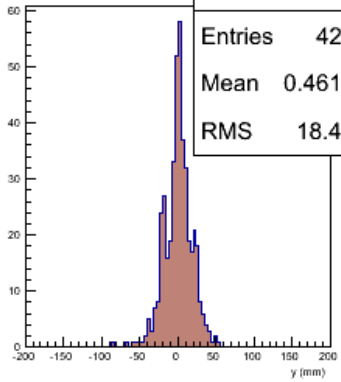
Tracker0 Station5 y

Entries 385
Mean 0.6034
RMS 15.53



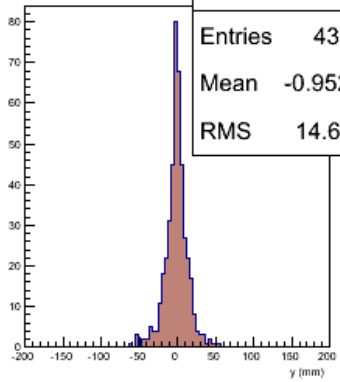
Tracker1 Station1 y

Entries 429
Mean 0.4616
RMS 18.42



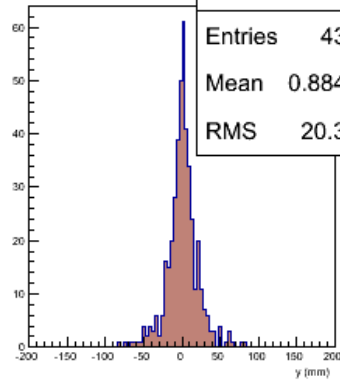
Tracker1 Station2 y

Entries 433
Mean -0.952
RMS 14.61



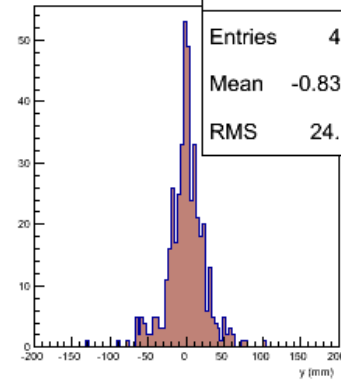
Tracker1 Station3 y

Entries 433
Mean 0.8848
RMS 20.39



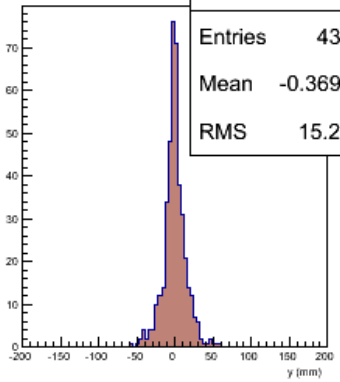
Tracker1 Station4 y

Entries 432
Mean -0.8389
RMS 24.83



Tracker1 Station5 y

Entries 433
Mean -0.3692
RMS 15.22



U Cluster Data (z)

