

MinBias Sample - MC Spring10

18th May 2010

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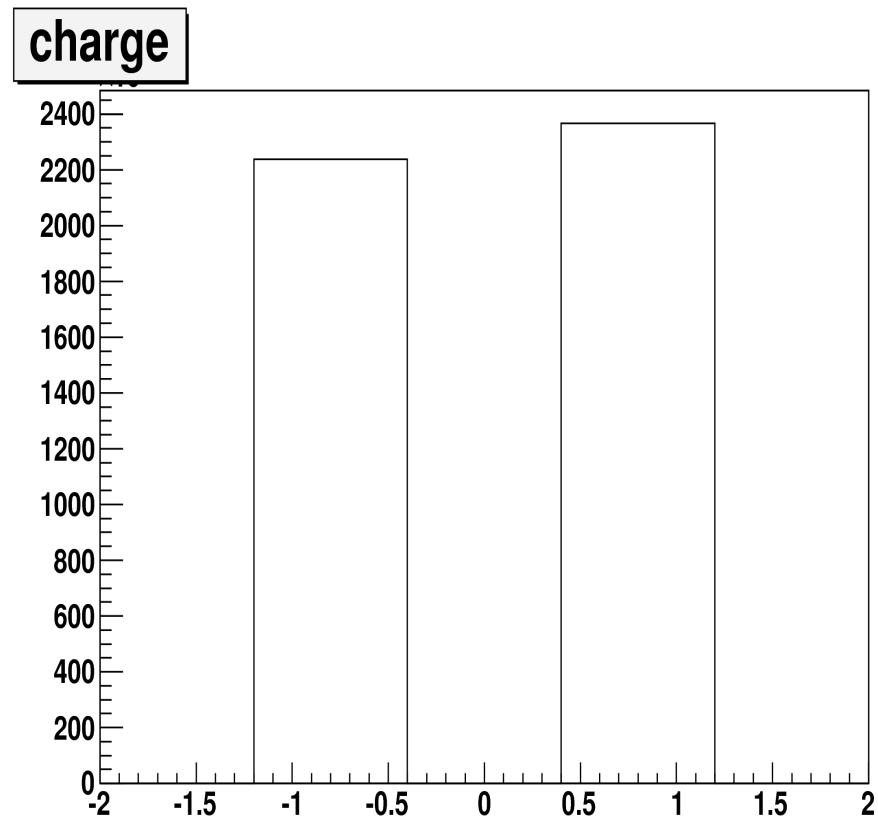
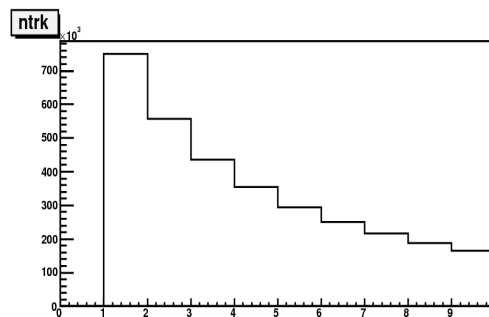
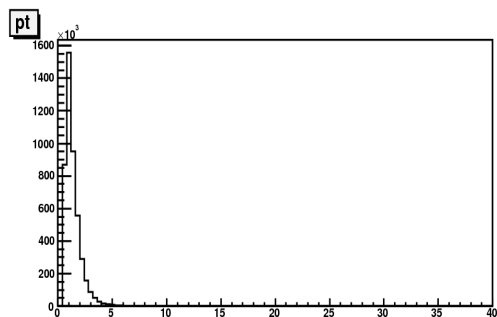
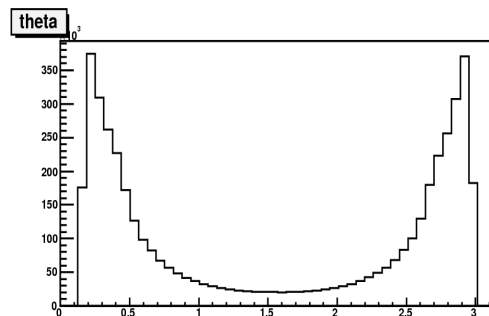
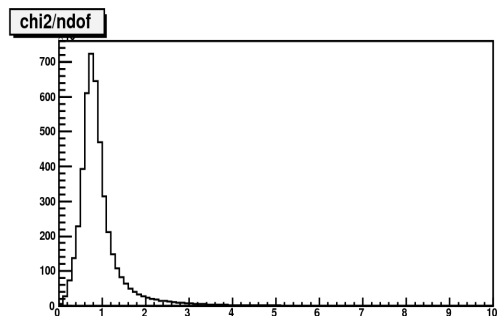
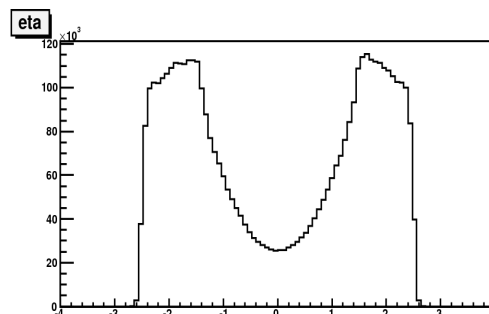
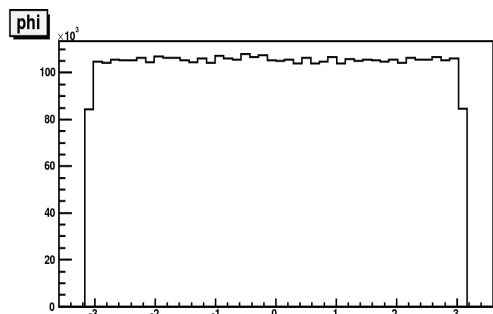
Data samples

MC MinBias Spring10 MC

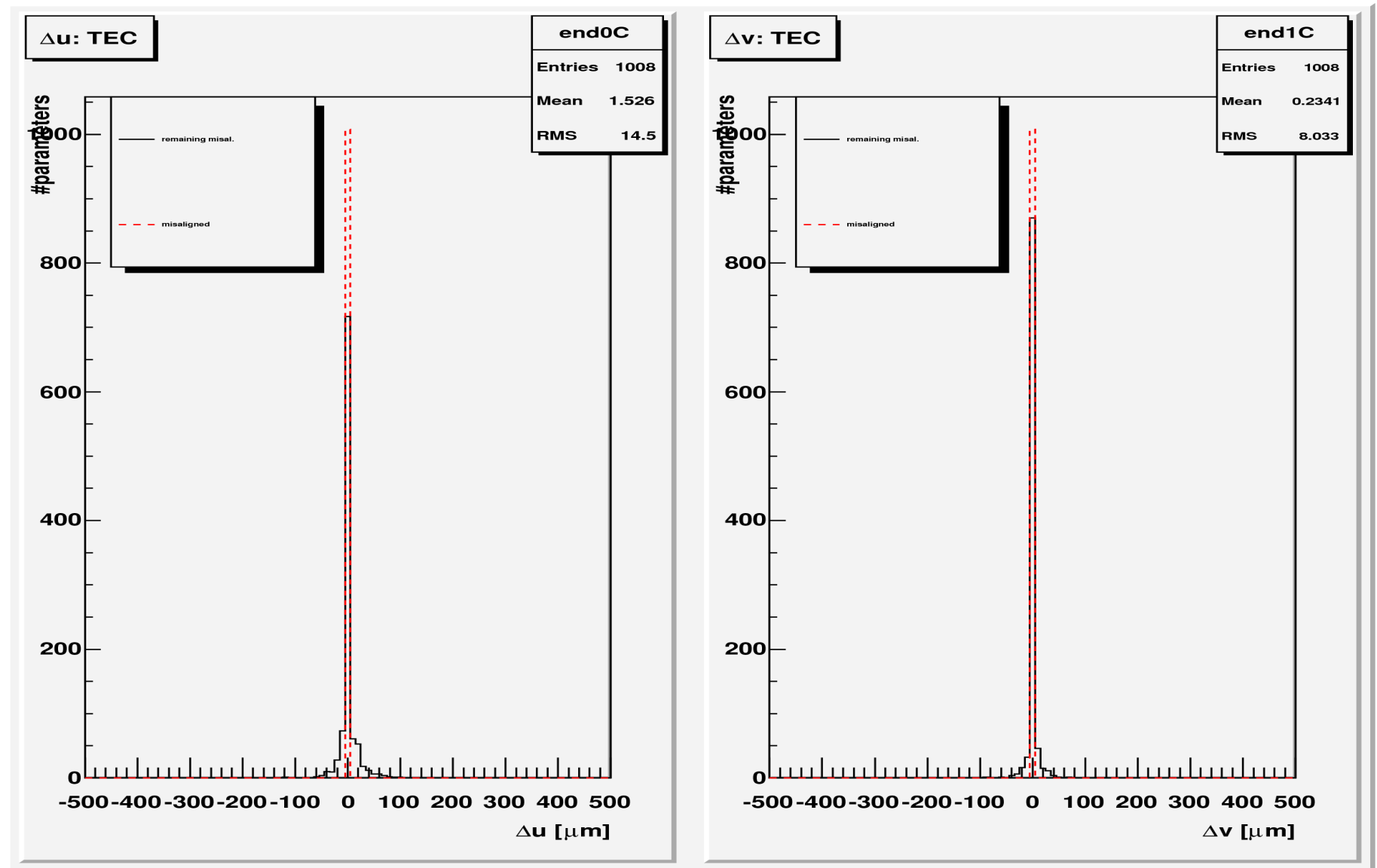
Realise: CMSSW_3_5_6

Started from IDEAL Geometry

MinBias Sample MC

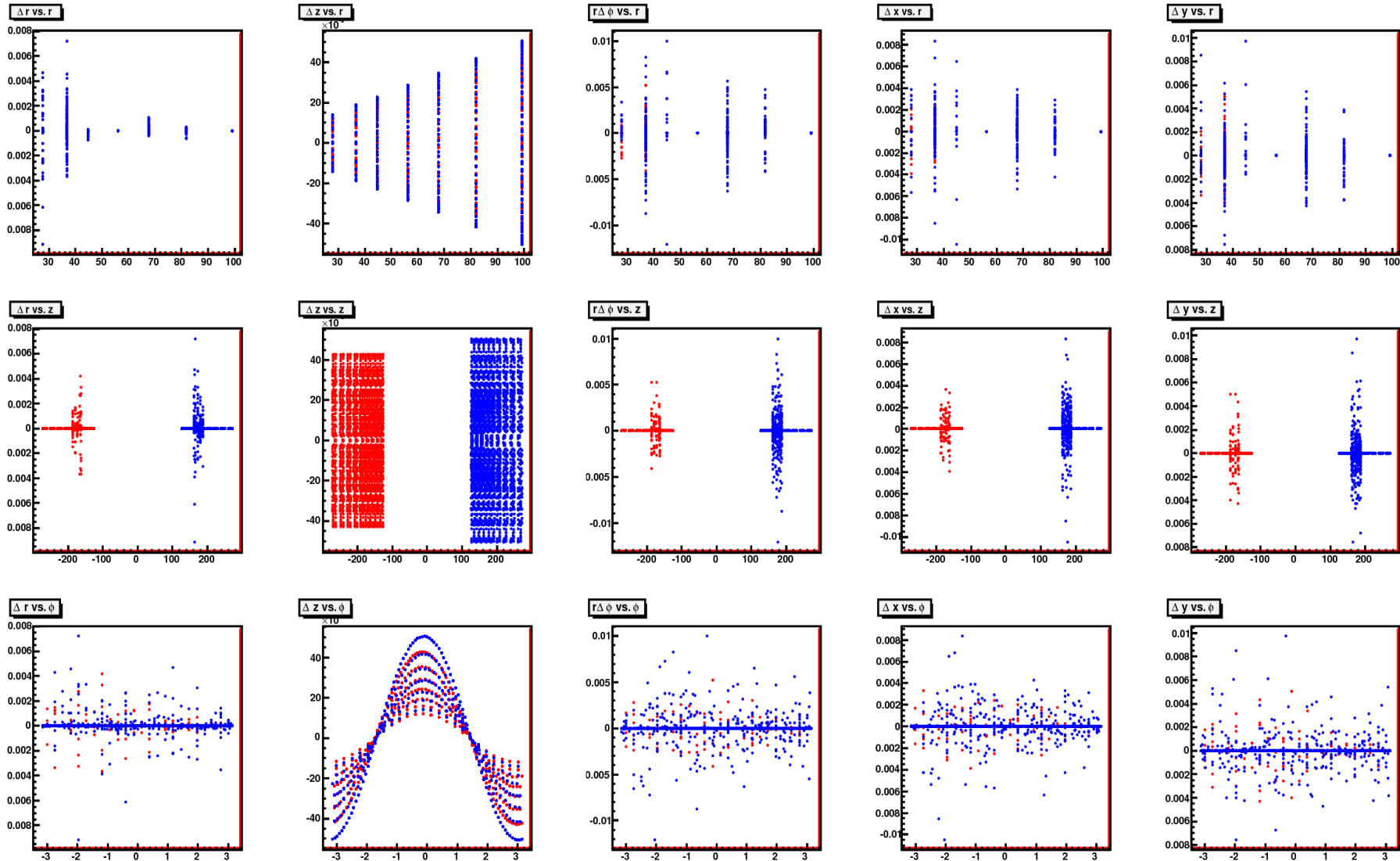


Min Bias - TEC /mp0270/



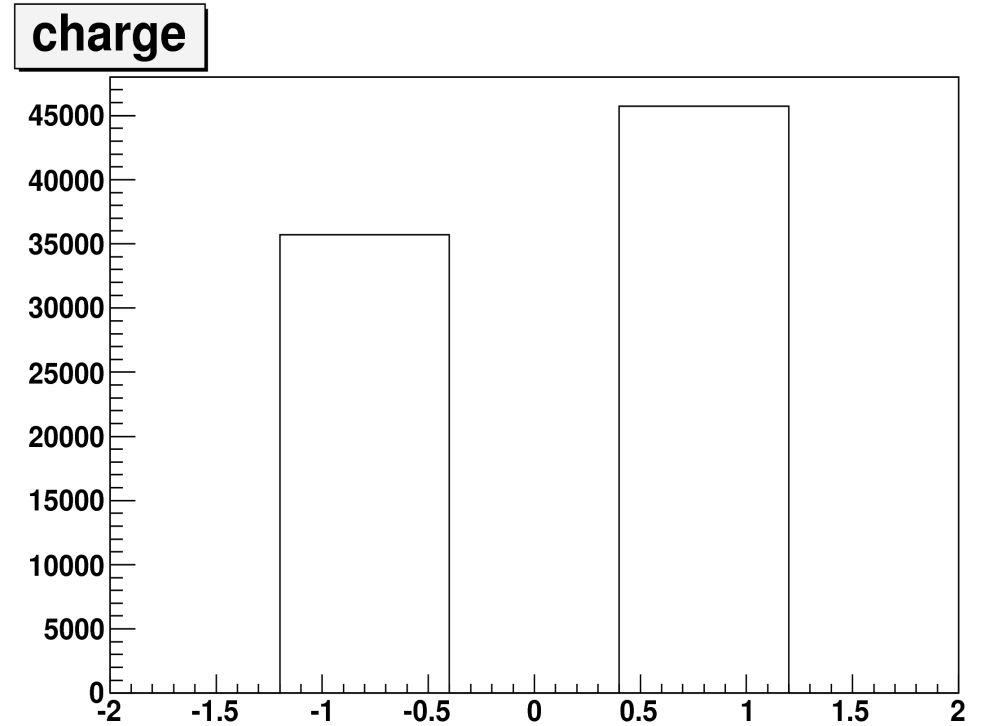
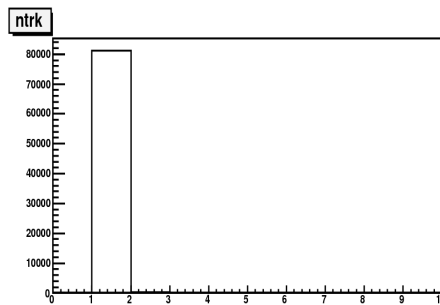
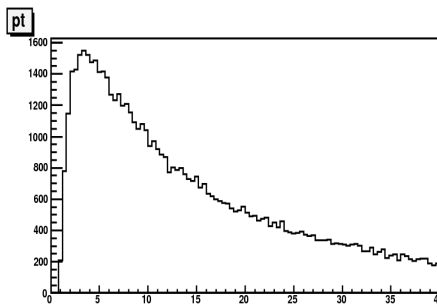
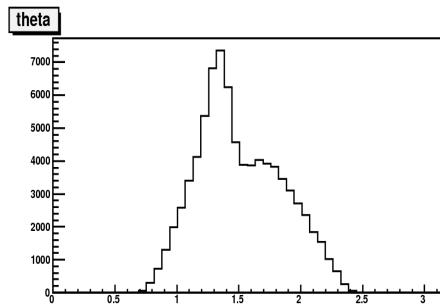
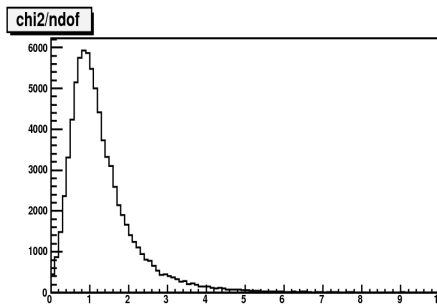
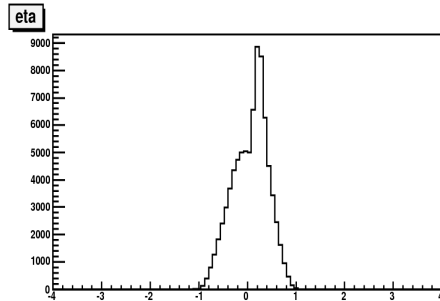
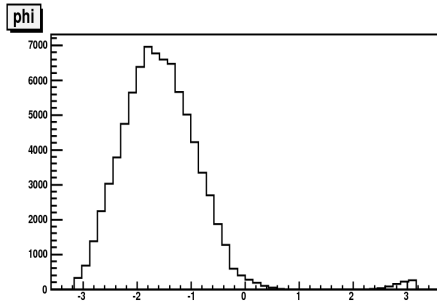
Alignment only in u and v – TEC

Min Bias - TEC /mp0270/

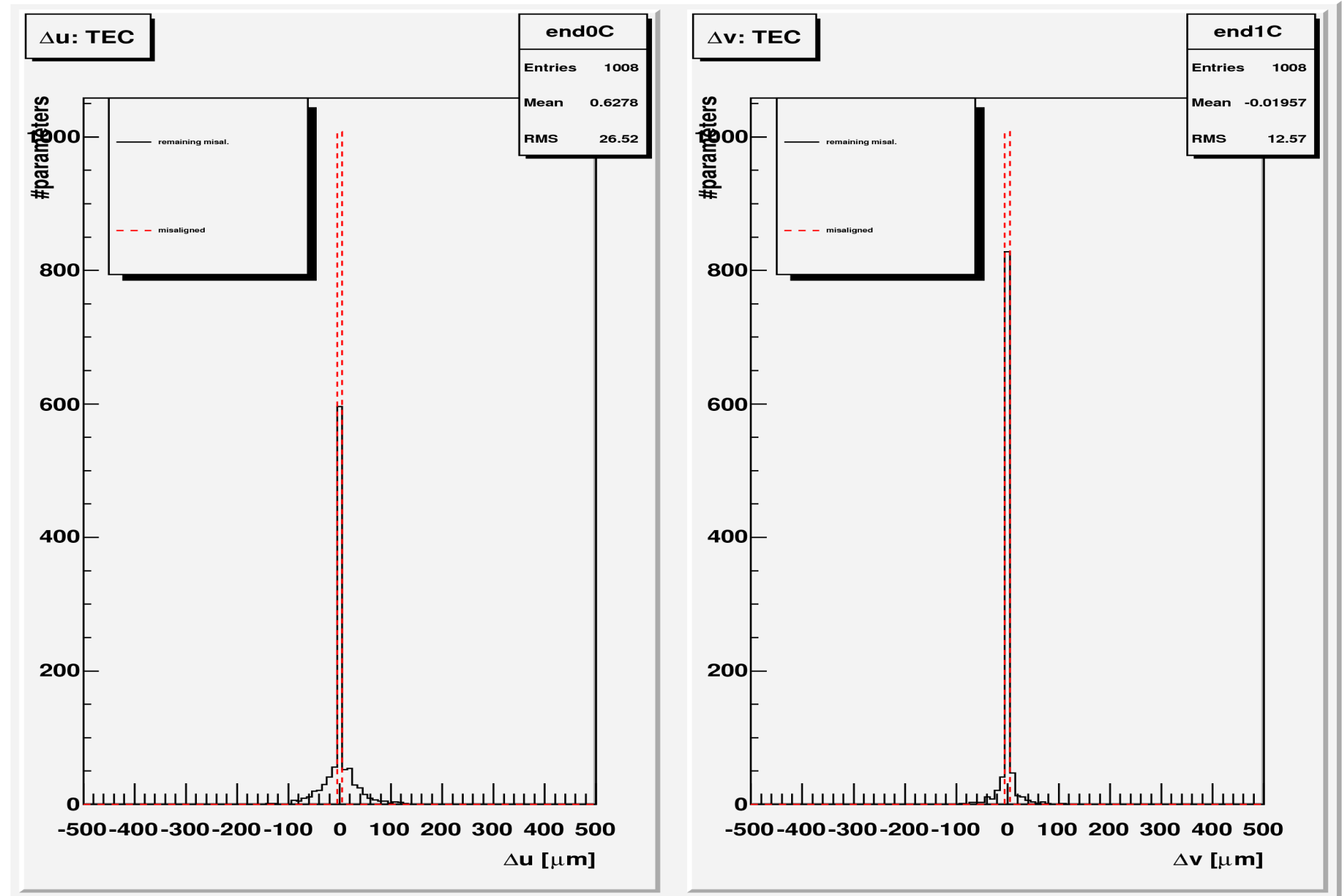


Alignment only in u and v – TEC

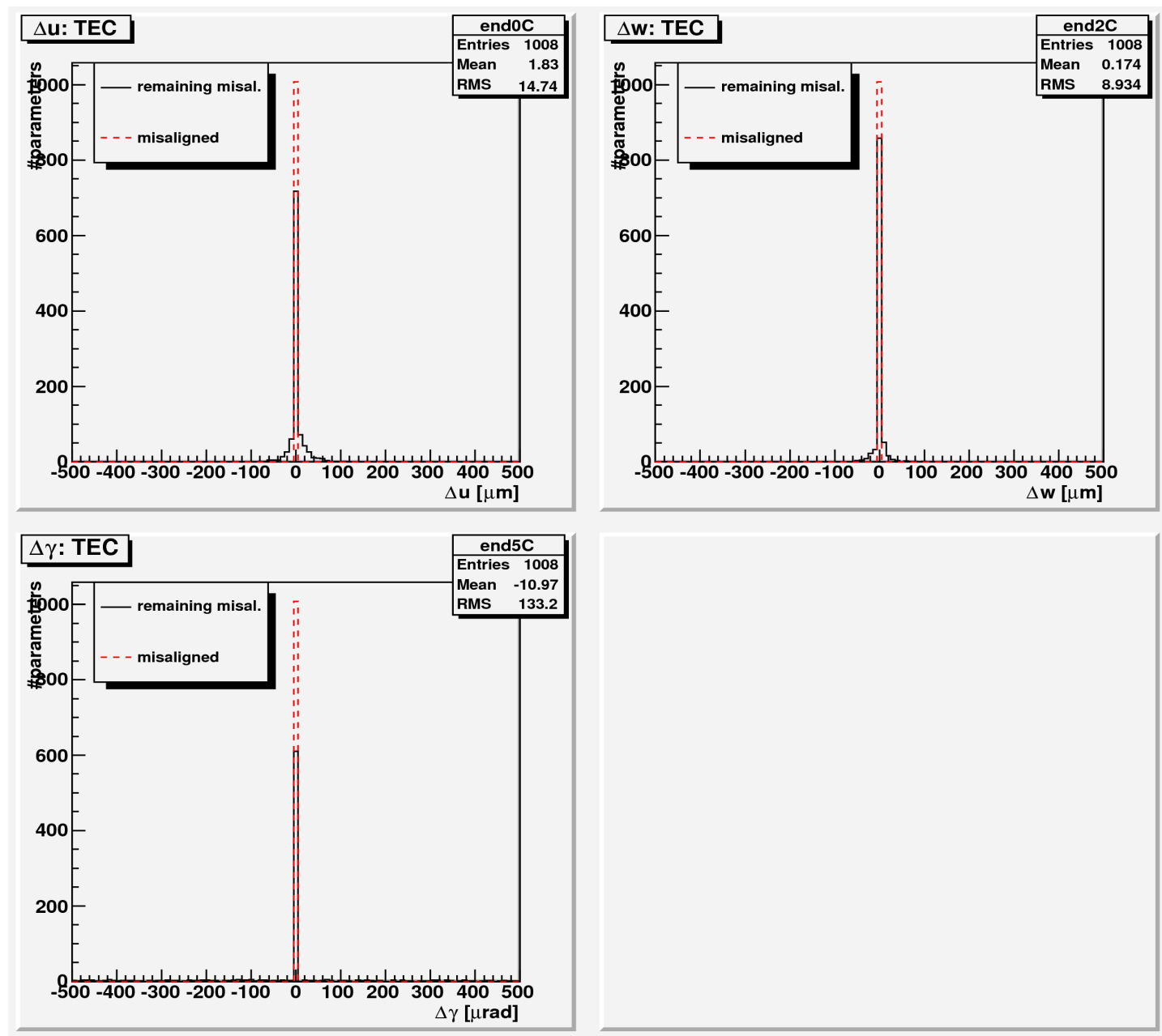
Cosmic Sample MC



Cosmic - TEC /mp0273/

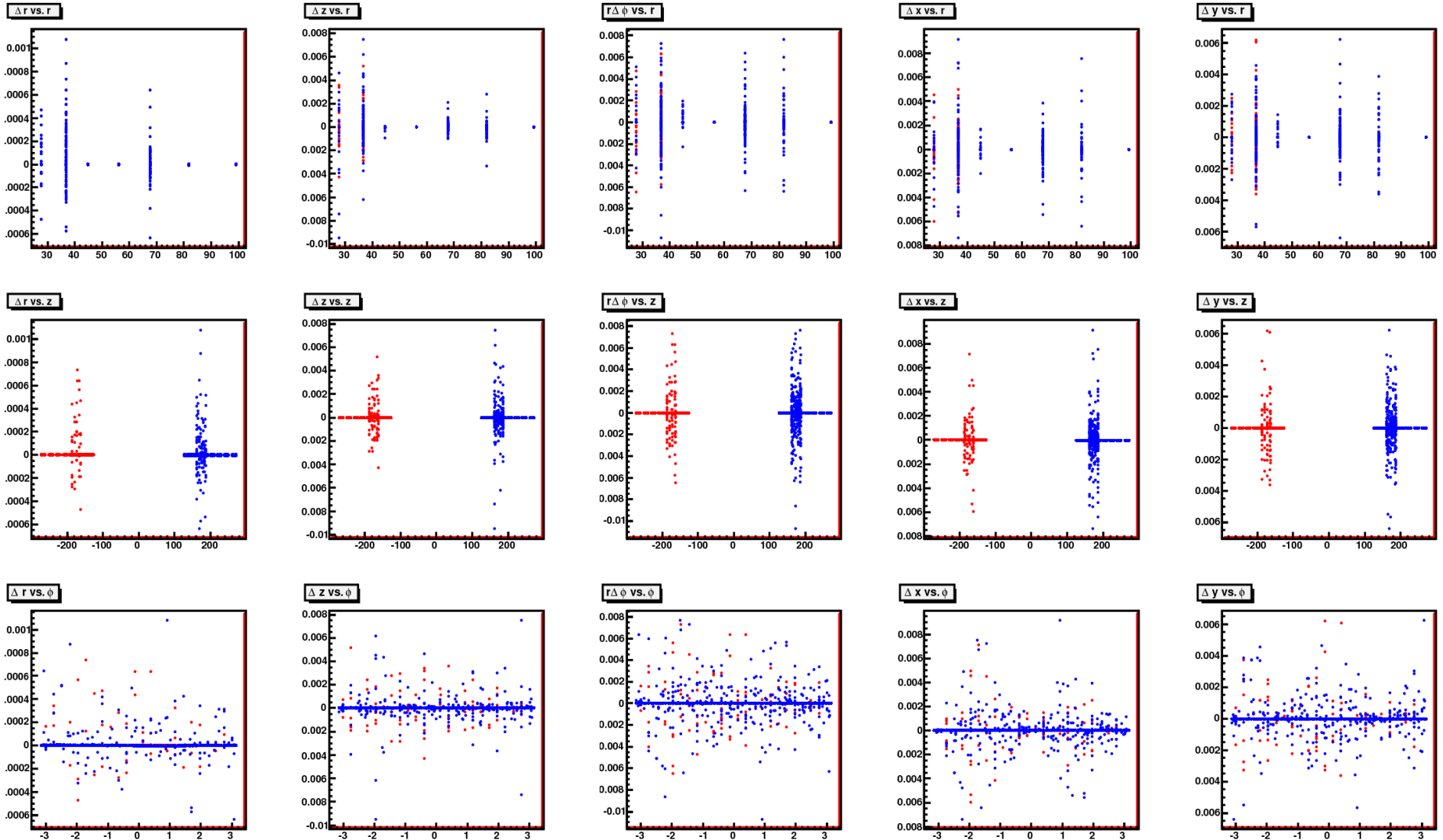


Min Bias - TEC /mp0274/



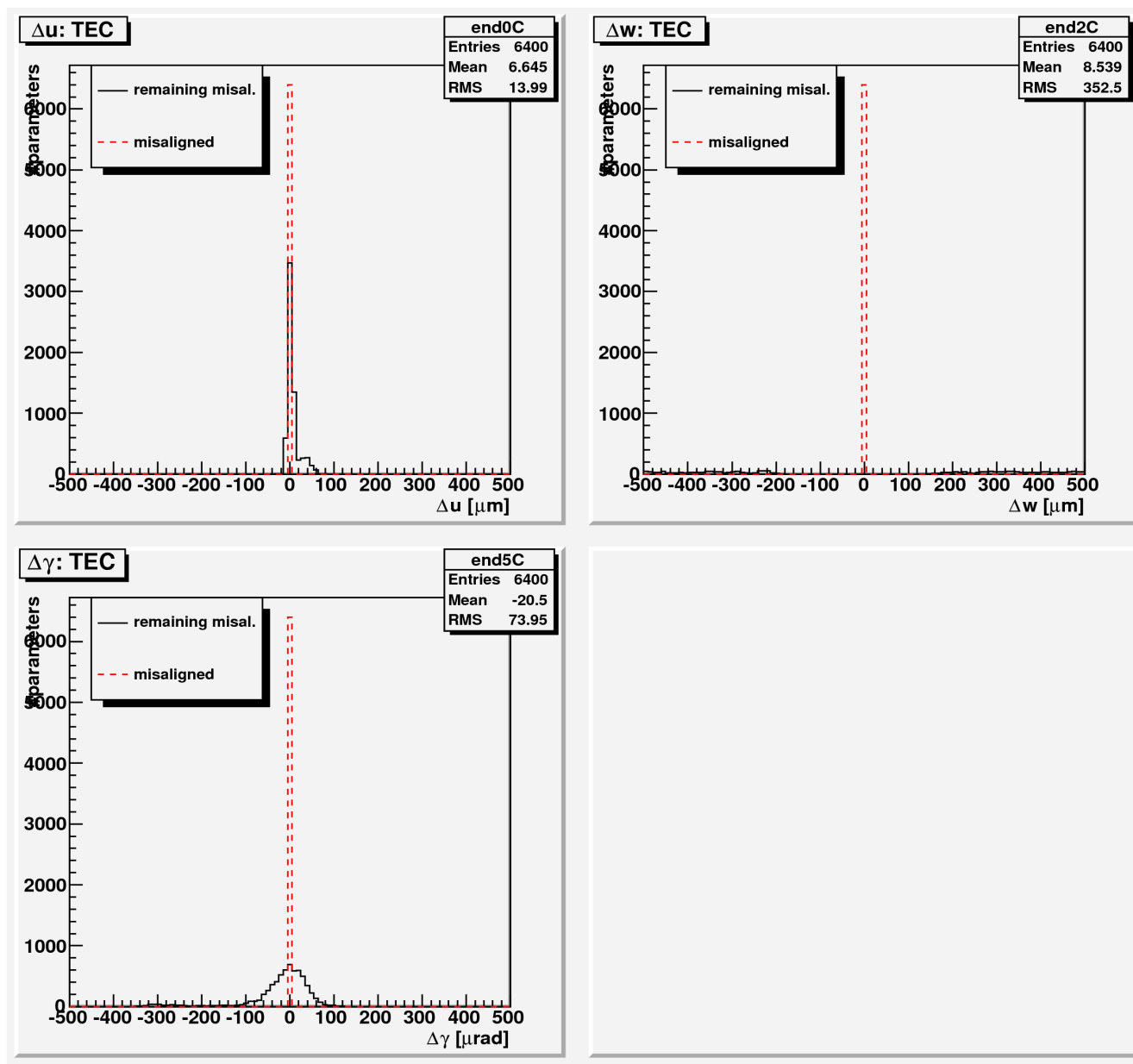
Alignment only in u,w and gama – TEC

Min Bias - TEC /mp0274/



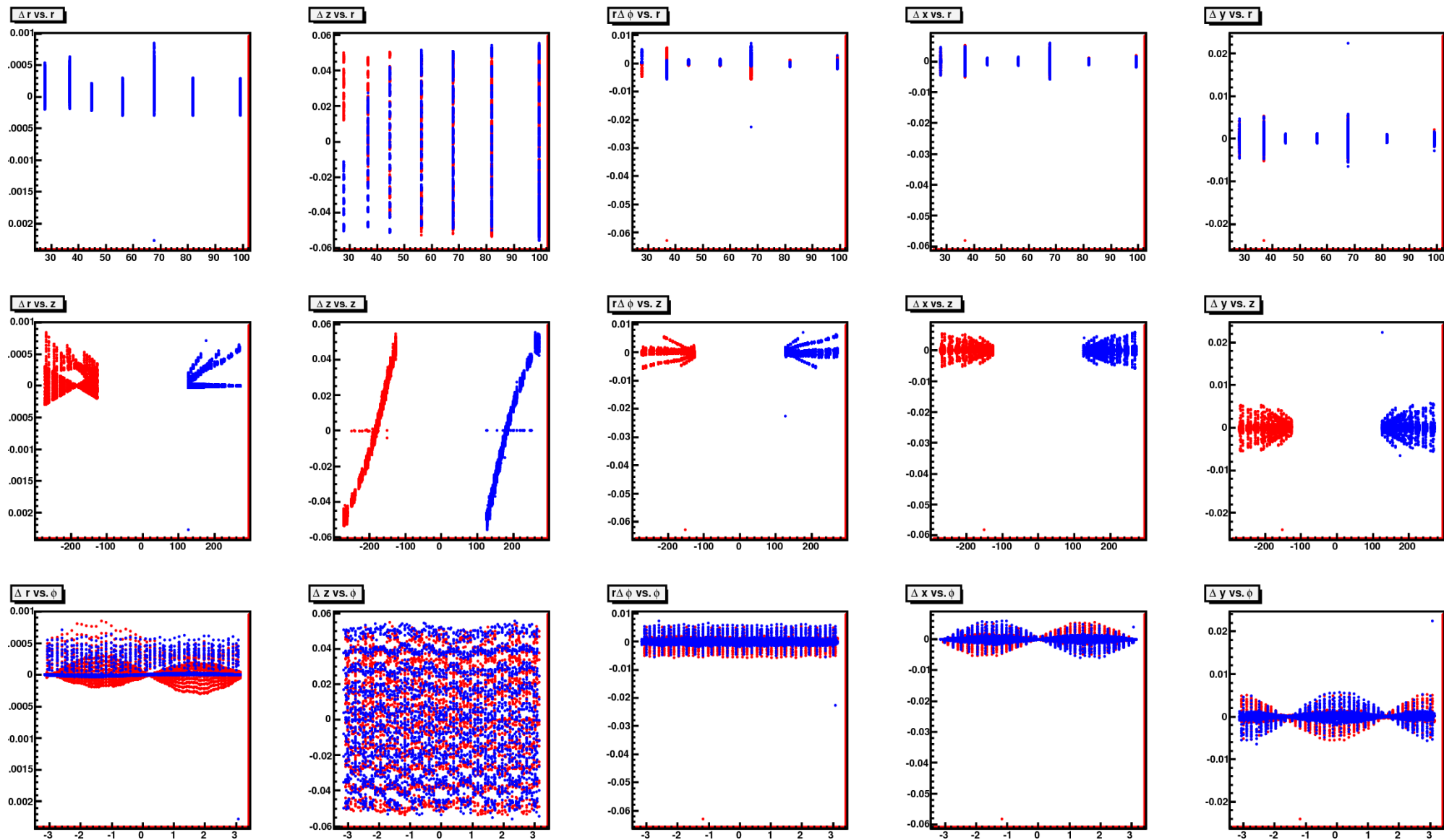
Alignment only in u, w and gama – TEC

MinBias - TEC /mp0264/



Fix TOB,TIB
Alignment TEC u,w,gama

Geometry comparison - TEC /mp0264/



Conclusions

- MinBias MC studies are ongoing.

Backup slides – position of the discs?

http://cmsdoc.cern.ch/cms/TDR/TRACKER/Draft4/chapters/tdr_ch3.pdf

CERN/LHCC 98-6

CMS TDR 5

Table 3.6: Description of the three types of disks in the end-cap tracker. **15 April 1998**

disk type	number of disks	z -position [mm]	radial acceptance [mm]	ring types
A	2×6	$\pm 952, \pm 1042 \pm 1147, \pm 1293, \pm 1441, \pm 1630$	218 - 608	1 - 4
B	2×2	$\pm 1823, \pm 2068$	285 - 608	2 - 4
C	2×2	$\pm 2319, \pm 2638$	390 - 608	3 - 4

Link to positions of discs in Alignment code:

<http://cmslxr.fnal.gov/lxr/source/Geometry/TrackerCommonData/data/tec.xml>