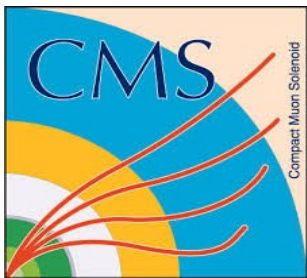


Testbeam (26.08-1.09) data analysis



Olena Karacheban
CMS group meeting
16 Sep 2013

Software installed on DAQ computer

- Installation described on EUTelescope website:
<http://eutelescope.web.cern.ch/content/installation>
- Version 00-09-00
- Example dature-noDUT
- Provided data sample run000097
- Our data sample run000288

Job Submission

- Full description <http://eutelescope.web.cern.ch/content/job-submission>
- EUTelescope requires xml steering files to control the details of the data processing.
- Steps of analysis:
converter → clustering → filter → hitmaker
→ align → fitter.

align step Segmentation fault

- I'm trying to solve this problem.
- It described in details on the forum:

<http://eutelescope.web.cern.ch/forum/align-step-segmentation-fault>

<http://eutelescope.web.cern.ch/forum/datura-nodut-example-running-problems>

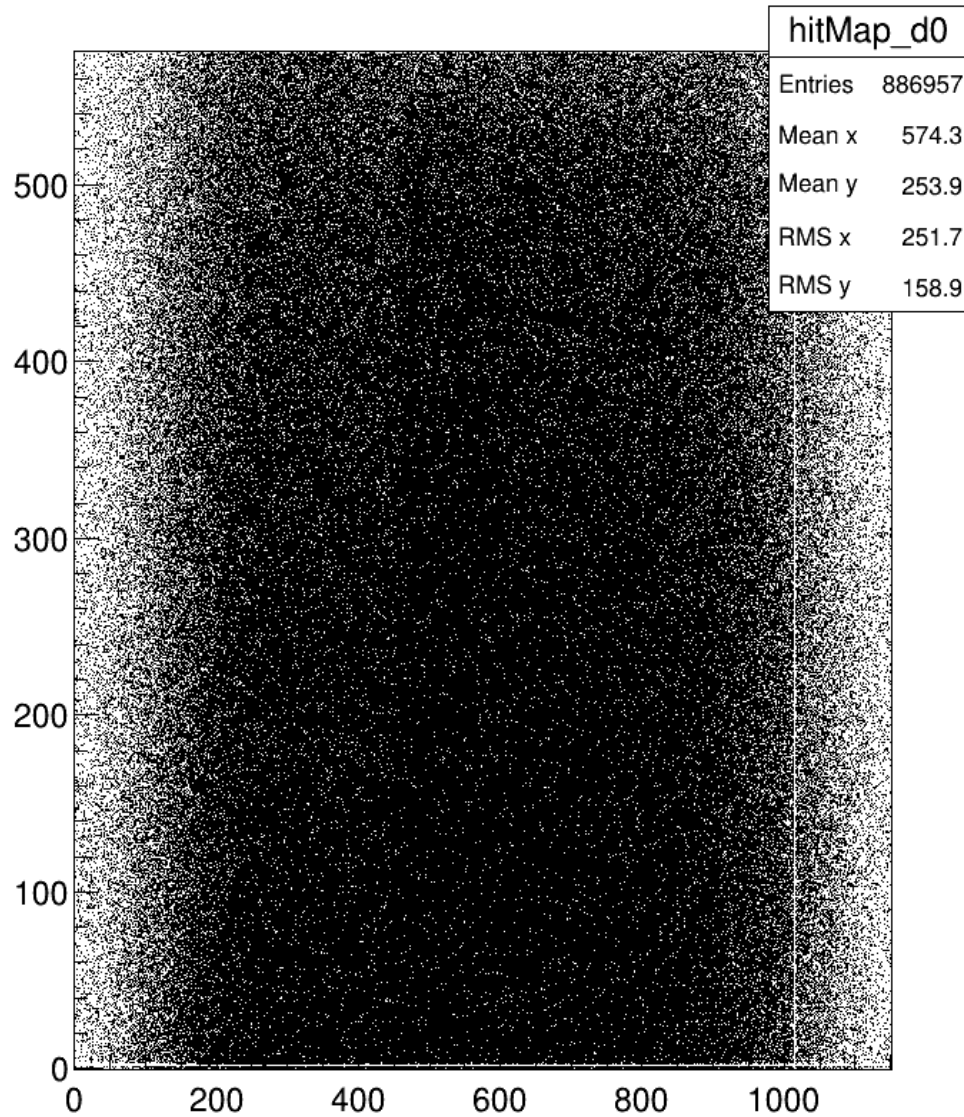
- Last decision - to reinstall software using `Millepede2_version = 'tags/V04-00-02'`, before last version was used `Millepede2_version = 'tags/V04-00-03'`

Using test geometry file I get histograms for Telescope plates

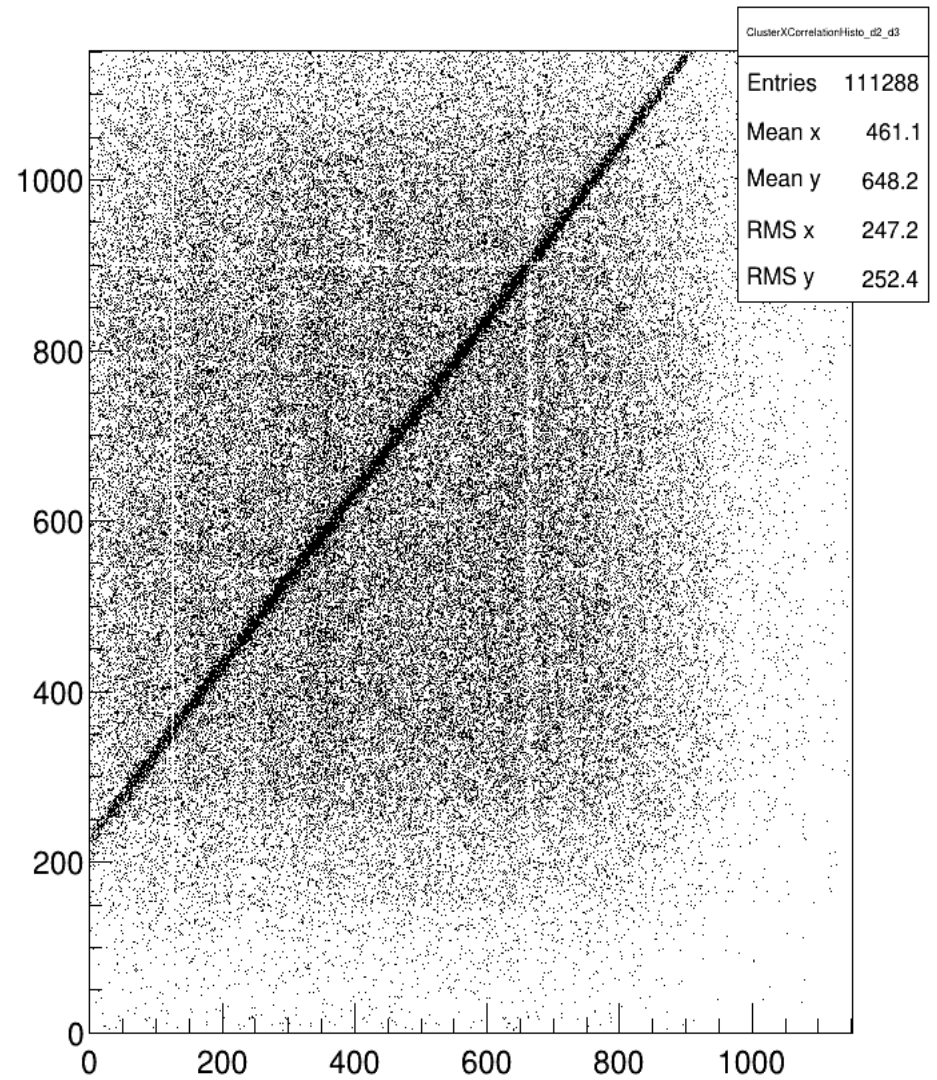
- run00097-converter.root
- run00097-clustering.root
- run00097-filter.root
- run00097-hitmaker.root
- run00097-alignment.root
- run000288-converter.root
- run000288-clustering.root
- run000288-filter.root
- run000288-hitmaker.root
- run000288-alignment.root

Output histograms

Hit map

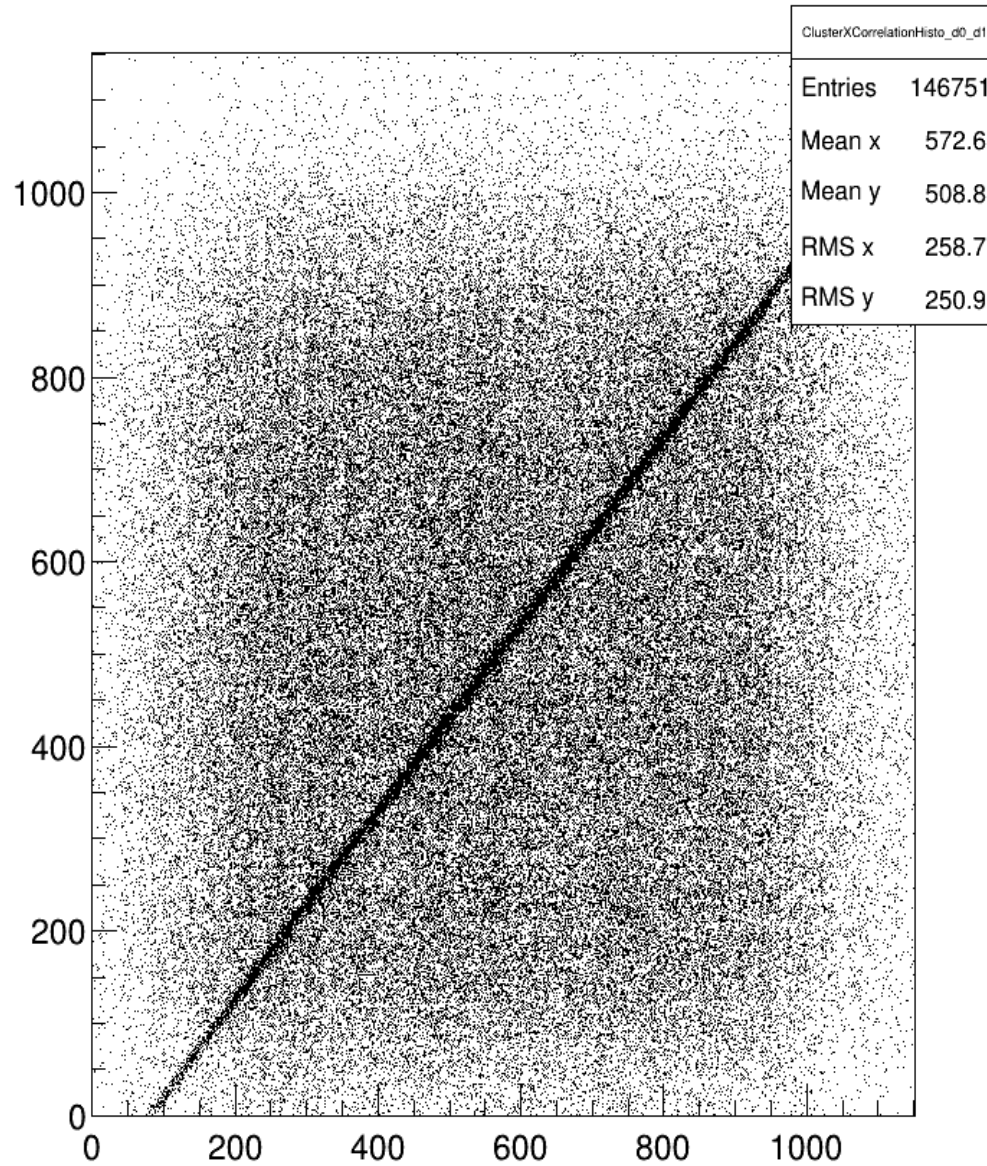


ClusterX/ClusterXCorrelationHisto_d2_d3



Output histograms

ClusterX/ClusterXCorrelationHisto_d0_d1



HitYShift/HitYCorrShiftProjectionHisto_d2

