

MIPP Software/Analysis meeting

Holger Meyer

Fermilab

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Outline

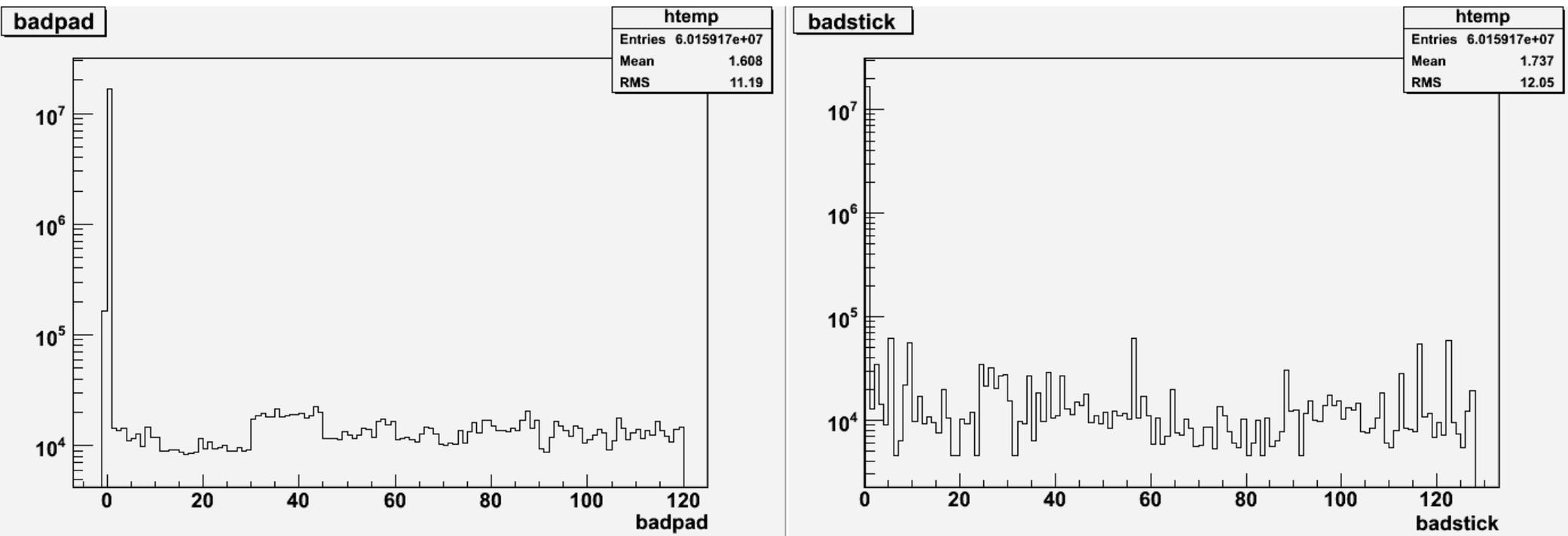
- TPC bad channel grid job status
 - finished, need to resubmit runs that failed
- e907mc on the grid
 - ScInt geometry fixed, tested. Ready to go.

TPC Bad Channel Search

- Submitted on Monday to fngp-osg
 - gridSubmitUserJob R07.12.12_Linux2.4 TPCBadChannel_Job.xml runlist runlist-round3-pass4.txt
 - 2917 runs total.
 - 2212 runs finished without errors
 - Two kinds of failures for 705 runs that failed:
 - 575 times: Process could not copy from dCache the file with DB password
 - temporary problem with grid
 - MIPP should find a better way to distribute the DB password to the worker nodes.
 - 130 times: The last sub-run file could not be copied.
 - Some runs crashed and the last subrun does not exist
 - > Update nsubrun in runs table and re-submit
 - Likely we don't really care for these runs anyway.
 - 2164 runs wrote to db
 - some runs don't have enough events to determine bad bads

TPC Bad Channel Search

- Will re-submit failed runs when problems are resolved.
- Results for 2164 runs copied from schema r07_12_12 to schema development
 - 2164 runs have 4541 entries in DB.
 - For many runs the bad channels are identical for all subruns
 - I removed duplicate rows that differ in subrunmin and subrunmax only and set subrun range correctly in the one remaining row for each run. 388 redundant rows removed.



e907mc jobs on fnal-osg

- Problem found after last thursday's meeting:
 - ScInt did not produce digits when used with Cryo-target
 - ScInt geometry was incomplete
 - Fixed by Mark and Raja, independently tested by me. All works.
- Start of processing:
 - Currently fermi-grid seems to have problems with access to BlueArc NAS.
 - Will submit jobs as soon as problems are resolved.