

MIPP Software/Analysis meeting

Pass 4b

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Outline

- Pass 4b is done on data
- most MC jobs don't find some data from calib db – jobs crash

Pass 4b

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- done on all data runs (R08.07.15)
- `/pnfs/e907/reco3/FNAL/pass4b/*` e.g. `/pnfs/e907/reco3/FNAL/pass4b/15/mippHist15556.04.pass4b.root`
- `/disks/7/pass4b/*` on e907ana7, e.g. `/disks/7/pass4b/15/mippHist15556.04.pass4b.root`
- `root://anonymous@e907ana7:/*` on e907ana*, e.g. `root://anonymous@e907ana7:/15/mippHist15556.04.pass4b.root`
- some files duplicated onto `/disks/10/JobResults/pass4b/*` or `root://anonymous@e907ana5:/pass4b/*`
- runlist files with list of files for each target/momentum combination have been/will be created.

- Problem with MC:

- our calibration tables split data by run and subrun
 - columns `runnummin`, `runnummax`, `subrunmin`, `subrunmax`
- Most tables don't really depend on subrun: `subrunmin=0` and `subrunmax=9999` (or both=-1)
- Some tables do. We have a lot more MC subruns than data subruns. MC runs with high subrun numbers don't find calibration data.

Calibration data for MC runs

- Calib DB Tables
 - 50 tables use run/subrun scheme
 - t0adccalib had subrunmax set to number of data subruns, 1 row per run.
 - subrunmax changed to 9999 for all rows.
 - [chameff](#), [t0timecalib](#), [tofbadchannel](#), and [tpcbadchan](#) tables have subrunmin=subrunmax for all rows, nsubrun entries per run
 - change subrunmax to 9999 for only the row for the last subrun.
- Why did this not cause problems before?
 - We did never process high subrun numbers in MC and/or did not have the offending tables at the time of previous MC processing
- Other problem with calib tables:
 - some calibration modules call Init with (run%MCrunoffset) -> ok
 - some call Init with (run) and have db entries for MC run numbers -> ok
 - ~~some call Init with (run) and don't have db entries for MC run numbers -> bad~~