======== Pass0, a blinded pass =========

Started on Jun. 4 2016.

DETECTOR : HPS-PhysicsRun2016-Nominal-v4-4-fieldmap

FIELDMAP: 209acm2_5kg_corrected_unfolded_scaled_1.04545.dat

Tape dir: /mss/hallb/hps/physrun2016

Disk dir: /work/hallb/hps/data/physrun2016/pass0

HPS Java release : 3.9

Jar file : hps-distribution 3.9 bin jar

Recon steering file: /org/hps/steering/recon/PhysicsRun2016FullRecon.lcsim

DST-Maker Release: 0.10

Only Each 10-th file is processed

NO skims, only recon and DSTs

run list was chosen from 2016 Run Spreadsheet,

The run range is between 7373 - 8100

Some runs were excluded, Those are runs marked as Junk, cosmic, LED run, SVT Bias scan etc

One run from each weekend is written to disk, + Carbon target and straight tracks runs

7636, 7800, 7983, 8028, 8054 (Carbon target), 8087, 8100 (Straight tracks)

Fully unblinded runs

Run	description
7804	chosen good run to unblind
7808	300 nA run w/ v7_200nA trigger
7809	50 nA run w/ v7_200nA trigger
8054	Carbon run

Directory structure

```
hps@ifarm1401> tree -d
.
|-- data_quality
|   |-- dqm
|   |-- per_run_dqm
|   `-- recon
|-- dst
|-- logs
|-- recon
|-- skim
|   |-- dst
|   |   |-- fee
|   |   |-- moller
|   |   |-- pulser
|   |   |-- s0
|   |   `-- v0
|   |-- fee
|   |-- moller
|   |-- pulser
|   |-- s0
|   `-- v0
`-- tests

20 directories
hps@ifarm1401>
```

Pass0 includes

===ECAL===

- time calibration
- energy calibration
- time walk corrections
- time offset corrections

===SVT===

- time offsets
- all other calibrations are expected to be unchanged

===run/event info===

- event timestamp is just TI timestamp (not real time)
- SVT header flag
- SVT burst-mode noise flag
- SVT latency flag (should always be good)

Does not include

===SVT===

check that alignment is still good

===run/event info===

- SVT bias flag
- SVT position flag
- run DB information

Following DST files have only few events (less than 50).

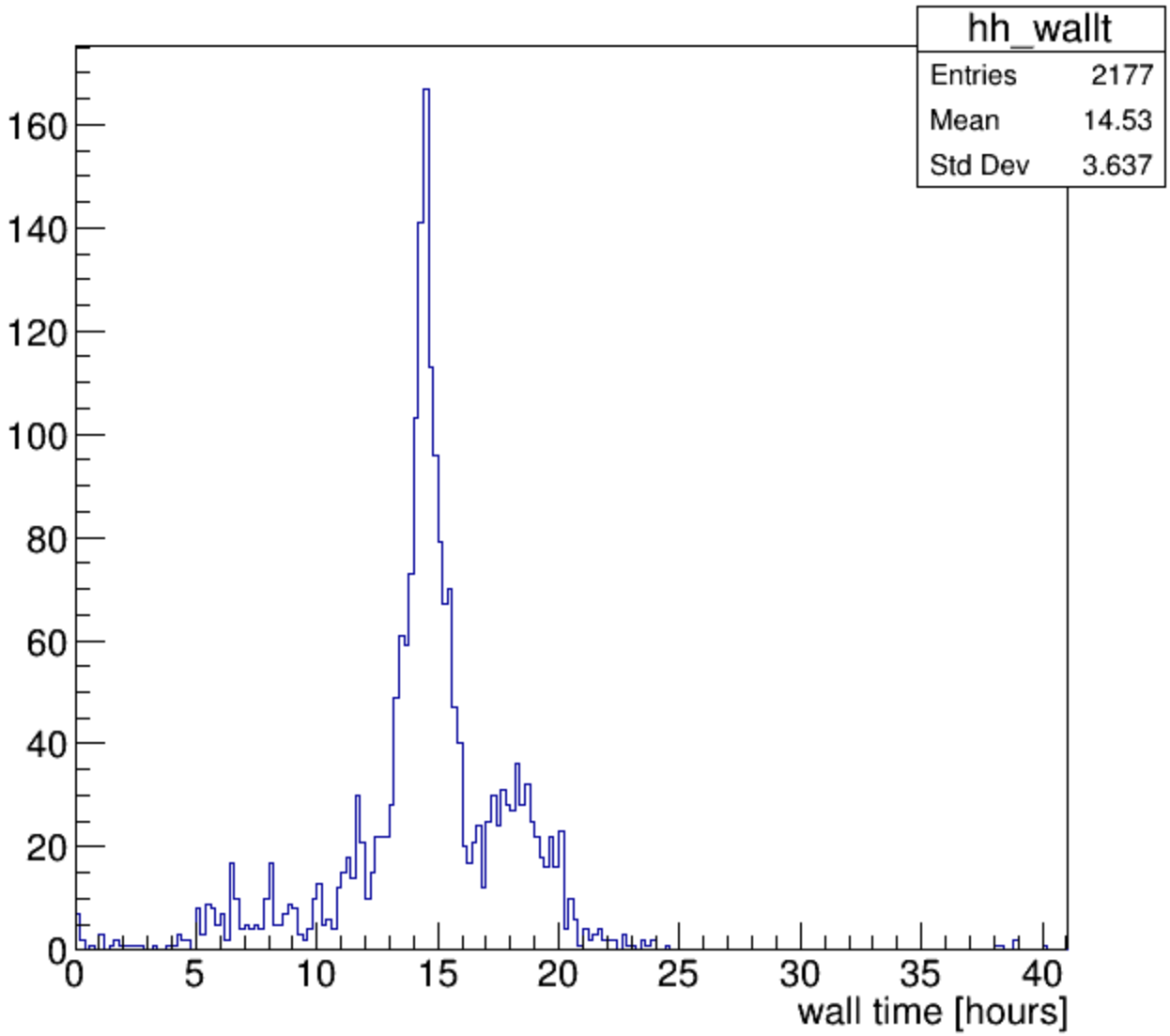
Corresponding recon lcio files have problem reading events (at least with C++ API)

NOTE: this problem doesn't exist in the current version of lcio, so this should not be a problem for future passes

ev = lcReader->readNextEvent() returns 0 before reaching the last event in the file

hps_007794.0_dst_R3.9.root
hps_007801.310_dst_R3.9.root
hps_007804.0_dst_R3.9.root
hps_007809.0_dst_R3.9.root
hps_007963.0_dst_R3.9.root
hps_007963.60_dst_R3.9.root
hps_007970.0_dst_R3.9.root
hps_007983.110_dst_R3.9.root
hps_007989.0_dst_R3.9.root
hps_008029.0_dst_R3.9.root
hps_008041.0_dst_R3.9.root
hps_008045.0_dst_R3.9.root
hps_008047.0_dst_R3.9.root
hps_008048.150_dst_R3.9.root
hps_008052.0_dst_R3.9.root
hps_008058.0_dst_R3.9.root
hps_008077.50_dst_R3.9.root
hps_008085.90_dst_R3.9.root
hps_008087.100_dst_R3.9.root
hps_008089.30_dst_R3.9.root
hps_008092.190_dst_R3.9.root
hps_008094.20_dst_R3.9.root
hps_008098.100_dst_R3.9.root
hps_008099.100_dst_R3.9.root

Overall Wall time distributions of jobs


hh_wallt
Entries 2177
Mean 14.53
Std Dev 3.637
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
30
35
40
wall time [hours]