Starting point was a clone of the master branch of <https://eicweb.phy.anl.gov/jlab/hallc/exp/polhe3/hallc_replay.git>

to: /group/c-polhe3/Users/mrehfuss/hallc\_replay/ in March

**UPDATED PARAM FILES:**

Done first in April/May:

Reference Time Cuts

* located in /group/c-polhe3/Users/mrehfuss/hallc\_replay/PARAM/(S)HMS/GEN/(p)(h)\_reftime\_cut.param
* SHMS runs used for studies: 10614, 10602, 10744, 10698, 10337, 10433, 9779, 9780, 10793, 10794
* HMS runs used for studies: 2608, 2636, 3408, 3419, 2673, 2716, 3199, 3615, 3616

\*HMS/SHMS Calorimeter Detector Time Window studies done next, and all params were unchanged\*\*

Done third in June/July:

CALORIMETERS

* “(S)HMS\_final\_cal\_param”
  + contains new gain constants for each spectrometer for A1n:
    - 2.129, 2.6, & 3.4 GeV for SHMS
    - 2.9 & 3.5 GeV for HMS
  + HMS: calibration script CALIBRATION/hms\_cal\_calib/hcal\_calib.cpp+ was used for runs chained together for each momentum setting
    - 2.9 GeV: 3196 - 3205
    - 3.5 GeV: 3408, 3411, 3418-3425
  + SHMS: calibration script CALIBRATION/shms\_cal\_calib/pcal\_calib.cpp+ was used for runs chained together for each momentum setting:
    - 2.129 GeV: 9833, 9839, 9840-9842
    - 2.6 GeV: 10337-10341, 10433 - 10437
    - 3.4 GeV: 10602, 10614, 10698, 10678, 10641-10646
  + located in /group/c-polhe3/Users/mrehfuss/hallc\_replay/PARAM/HMS/CAL/hcal\_calib.param

\*\*git pull done periodically throughout\*\*

Done fourth in September/October

BCMs

* “gscalers.param”
  + located in /group/c-polhe3/Users/mrehfuss/hallc\_replay/PARAM/GEN/gscalers.param
  + Used Deb Biswas’ BCM calibration script for the procedure: https://github.com/JeffersonLab/hallc\_bcm\_calib