



CALCOM Readiness Review for Calibration of CLAS12 Data

Calibration of any given CLAS12 dataset is a manpower and computing intensive process that requires detailed planning and preparatory work to guarantee the quality of the calibrations for the different CLAS12 detector subsystems and to ensure that the work can be completed efficiently within a defined time period, exploiting as much as possible lessons learned from online calibration studies about features of the dataset. For this reason, a “Calibration Readiness Review” is requested to authorize the start of the calibration work necessary to prepare for the data processing for each Run Group dataset. The charge for this review is outlined below. For initial dataset calibration, the goal is to complete all calibration work within six months of the end of the run.

The review committee (made up of the CALCOM Group) is requested to answer the charge questions based on the material presented by the Run Group and report its findings, comments, and recommendations to the CLAS Coordinating Committee (CCC). Based on this report the CCC will make a final decision if the Run Group can proceed with the dataset calibration to prepare for data processing.

Review Charge:

Charge #1: Is the full list of runs to be calibrated defined with all known issues or special conditions that may affect the calibration documented and available for calibrators?

Charge #2: Is the list of calibrated runs for each detector subsystem along with their applicable run ranges documented as a starting point for the calibration effort?

Charge #3: Are the calibration QA specifications for each subsystem defined and reasonable?

Charge #4: Are the plans to monitor the calibration quality for each QA timeline for each detector subsystem defined and reasonable?

Charge #5: Has a defensible and realistic calibration timeline for the dataset been presented with trackable milestones up to the “ready for cooking” review? Has an acceptable plan for tracking the progress of the calibration work been provided?

Charge #6: Is the manpower adequate for the proposed effort and are all Run Group leadership roles fully defined for each step in the process?