

Replies to the Pass-1 Review of RG-B Fall

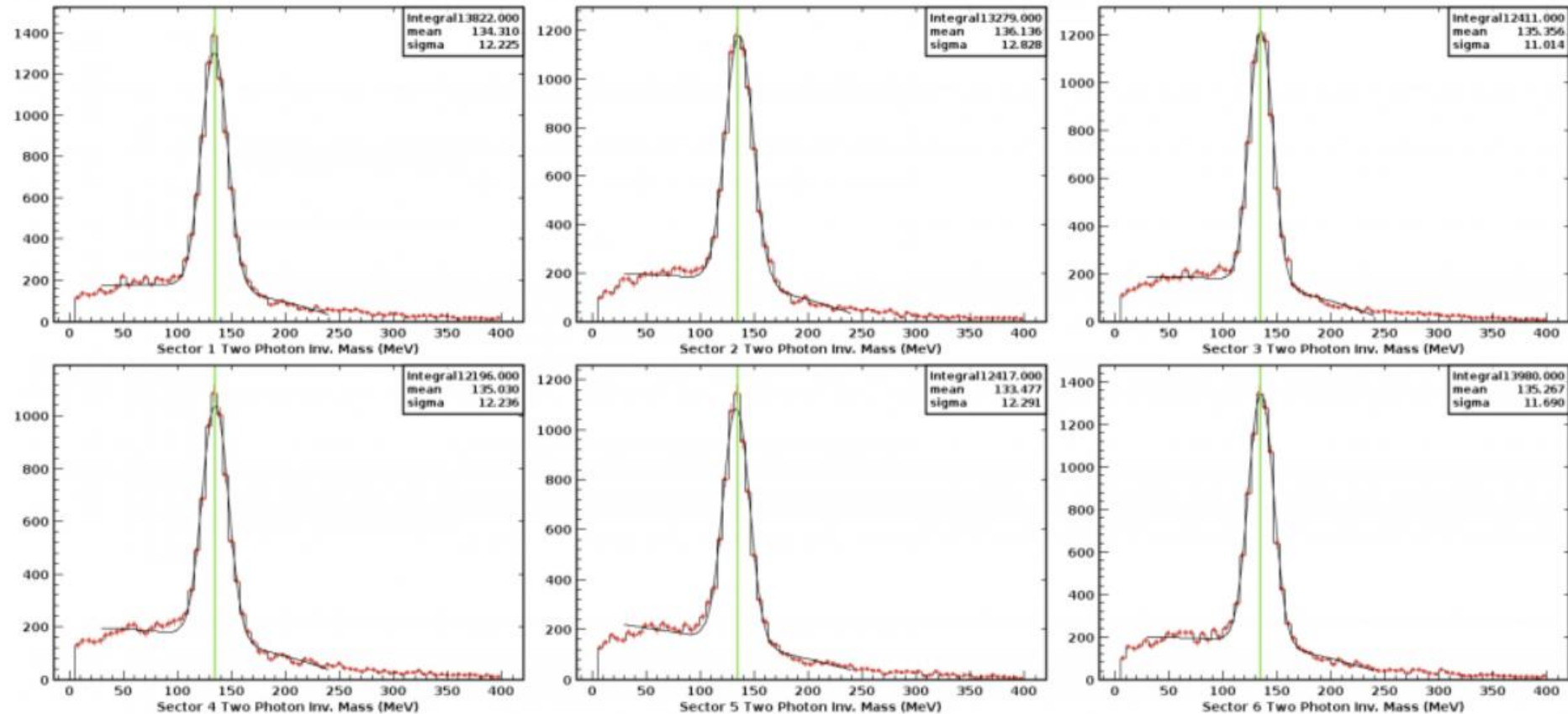
Recommendation:

Significant shift in the π^0 mass for Sector 4. Make sure calibration of ECal sampling fraction sector dependences are in the data base.

Reply:

This was done by Cole, see Elog entry: <https://logbooks.jlab.org/entry/3857299>

RUN 11265 UPDATED WITH NEW v24.20 COOKING 11/11/2020



Recommendations:

The skimmed data volume is currently 60% of that DSTs. The large part of the train output (75%) comes from the inclusive skims. The total has to be scaled down to not exceed 20% of the DSTs.

Reply:

The following modifications were applied to skims:

- Removed inclusive train, as the analysis can directly be done from the full cooked runs
- Modified the definition of the nDVCS train to accommodate the needs of the Gmn analysis
- Included a $Q^2 > 0.9 \text{ GeV}^2$ cut to reduce the skim size

(Big thank you to Raffaella for her work!)

The current size of the trains (nDVCS + edeut) is 15% or the cooked run (~25% without Q2 cut)

Tested and approved by Gmn and DVCS analysis teams