

Spectra from Available Cosmic Runs

UofR group

Runs included:

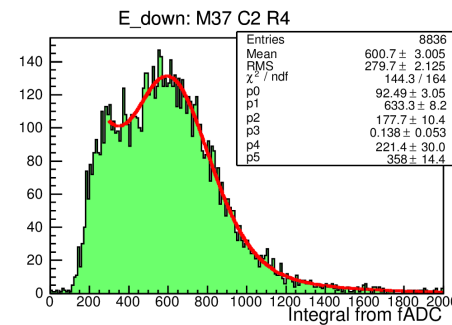
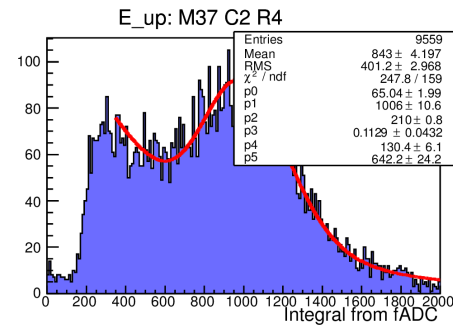
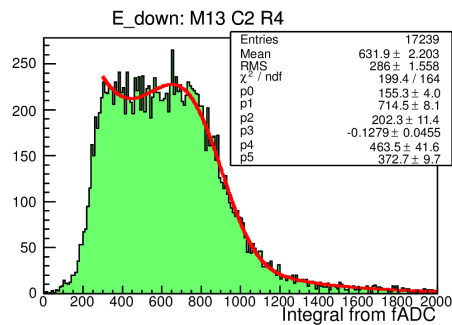
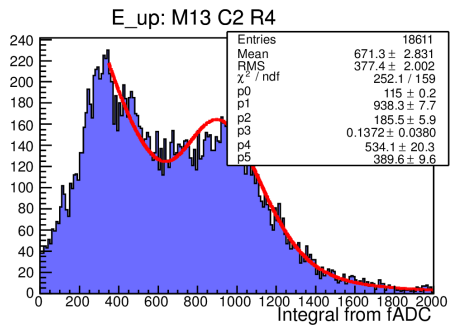
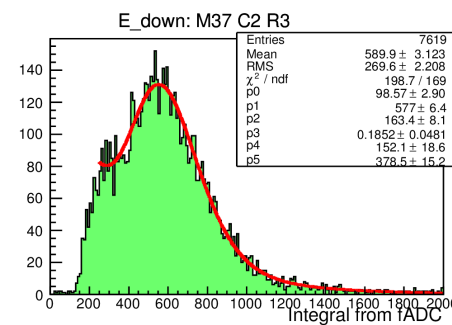
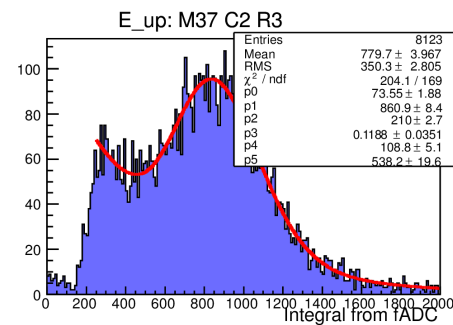
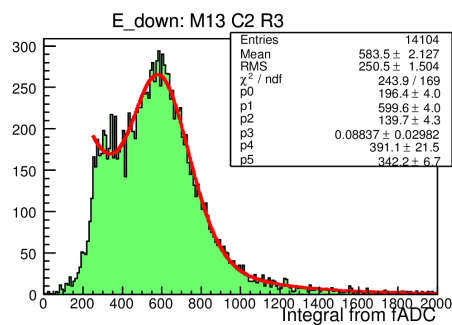
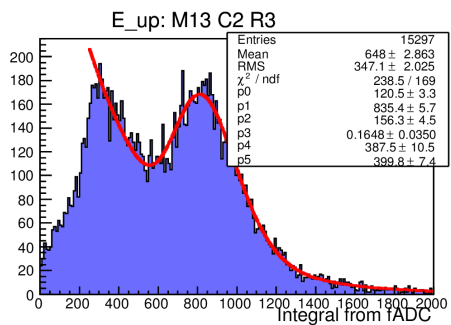
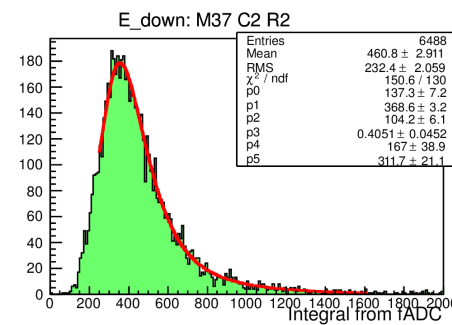
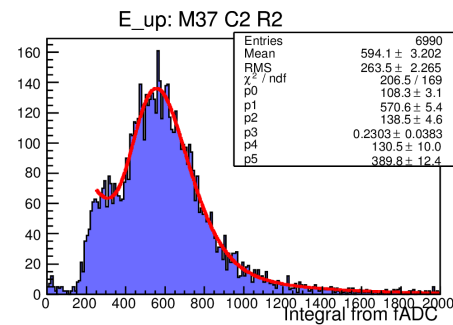
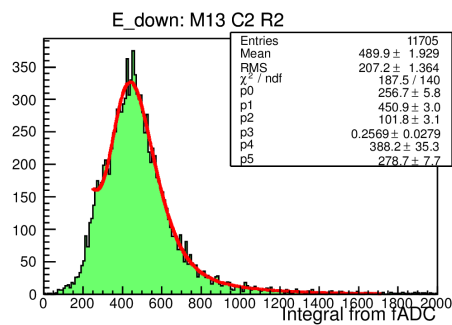
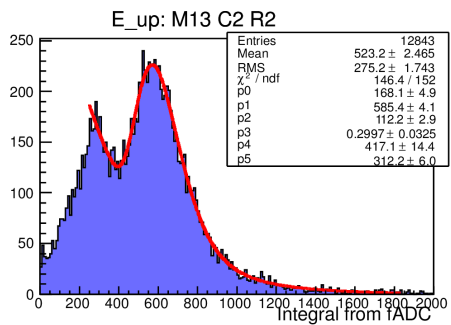
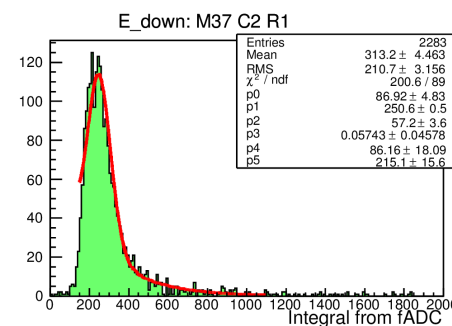
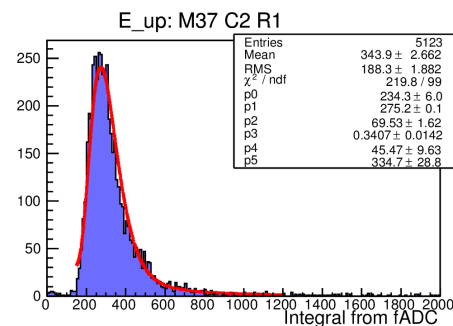
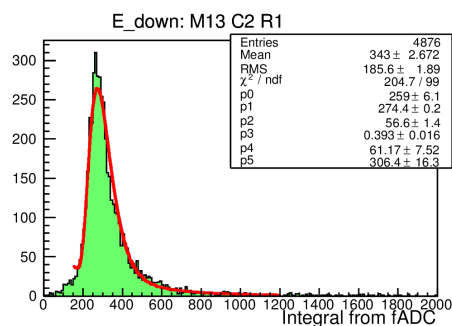
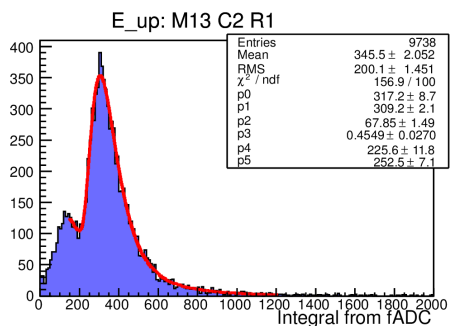
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(Thanks to Mark, Elton and Will)

October 23, 2014

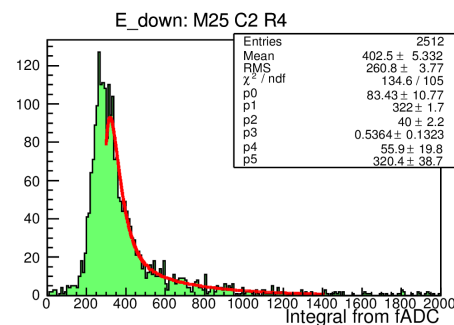
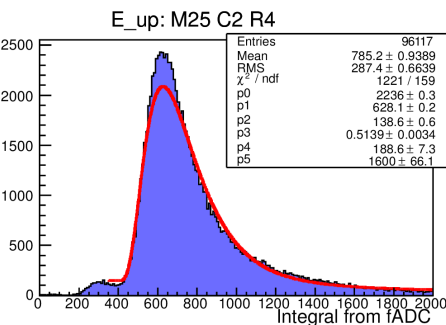
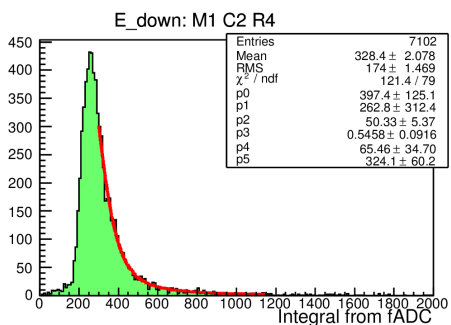
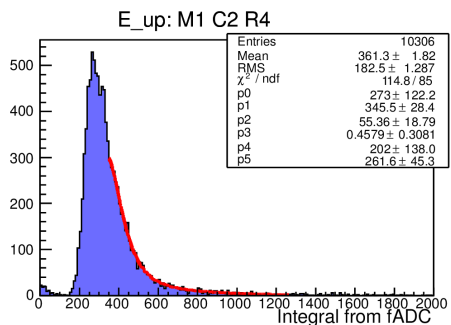
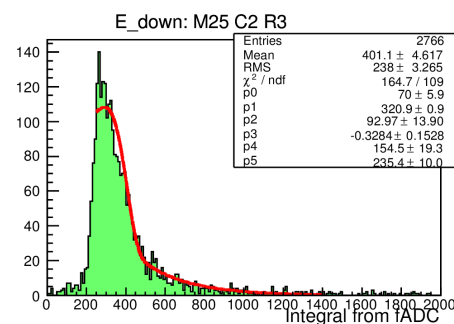
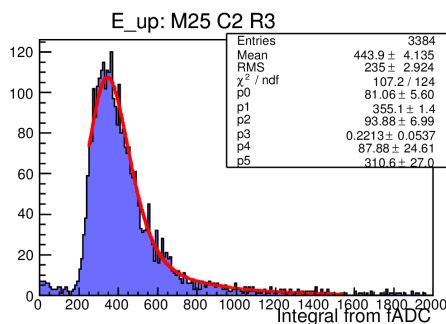
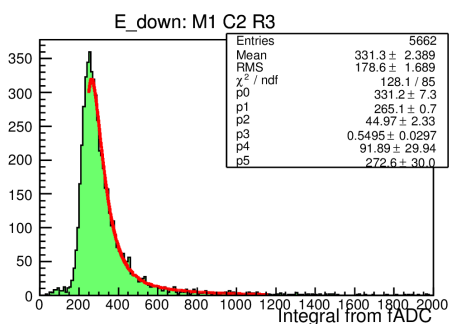
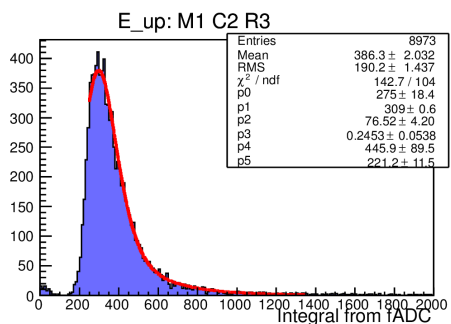
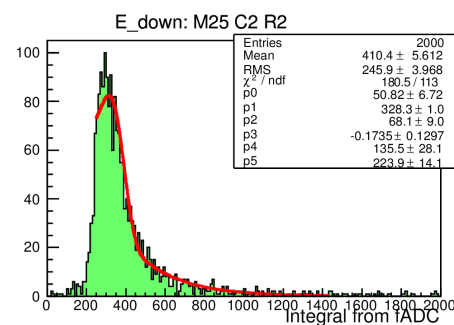
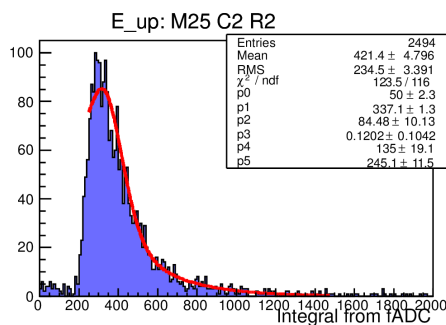
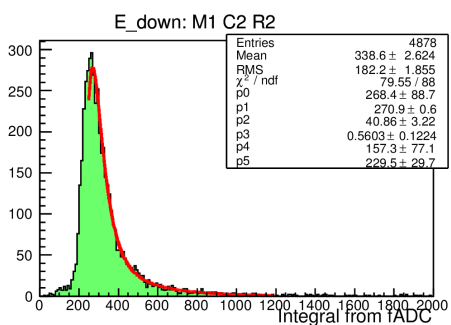
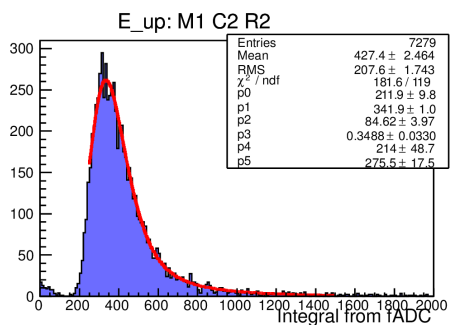
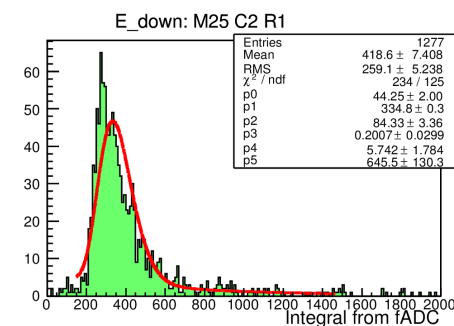
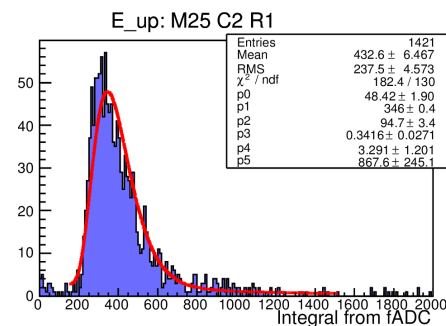
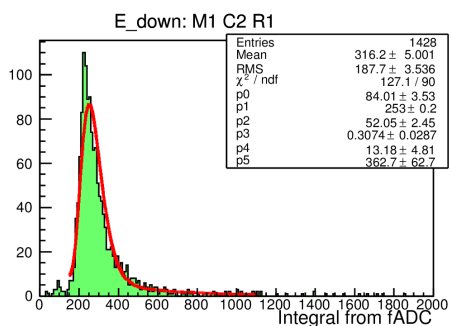
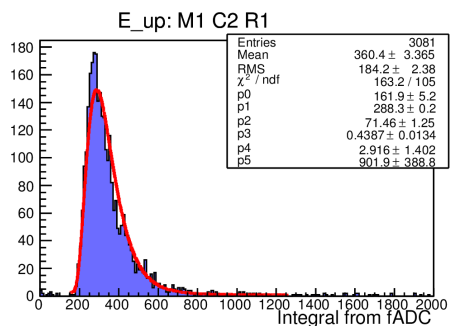
Module #13 (Top)

Module #37 (Bottom)



Module #1 (North)

Module #25 (South)



First Impression:

1. Qualitatively, the shapes of the spectra are that we expected from the simulation
2. Some differences in the shape for spectra from top/bottom modules
3. Visible non-balance of the gain in the cells
=> First-level calibration with cosmics is do-able (probably?)
4. We can try to extract thresholds (in attenuated-MeV) using peak-cutoff ratio + simulated data
5. Potential problem: peaks are very close to thresholds for “side” modules as well as for the layer #1.