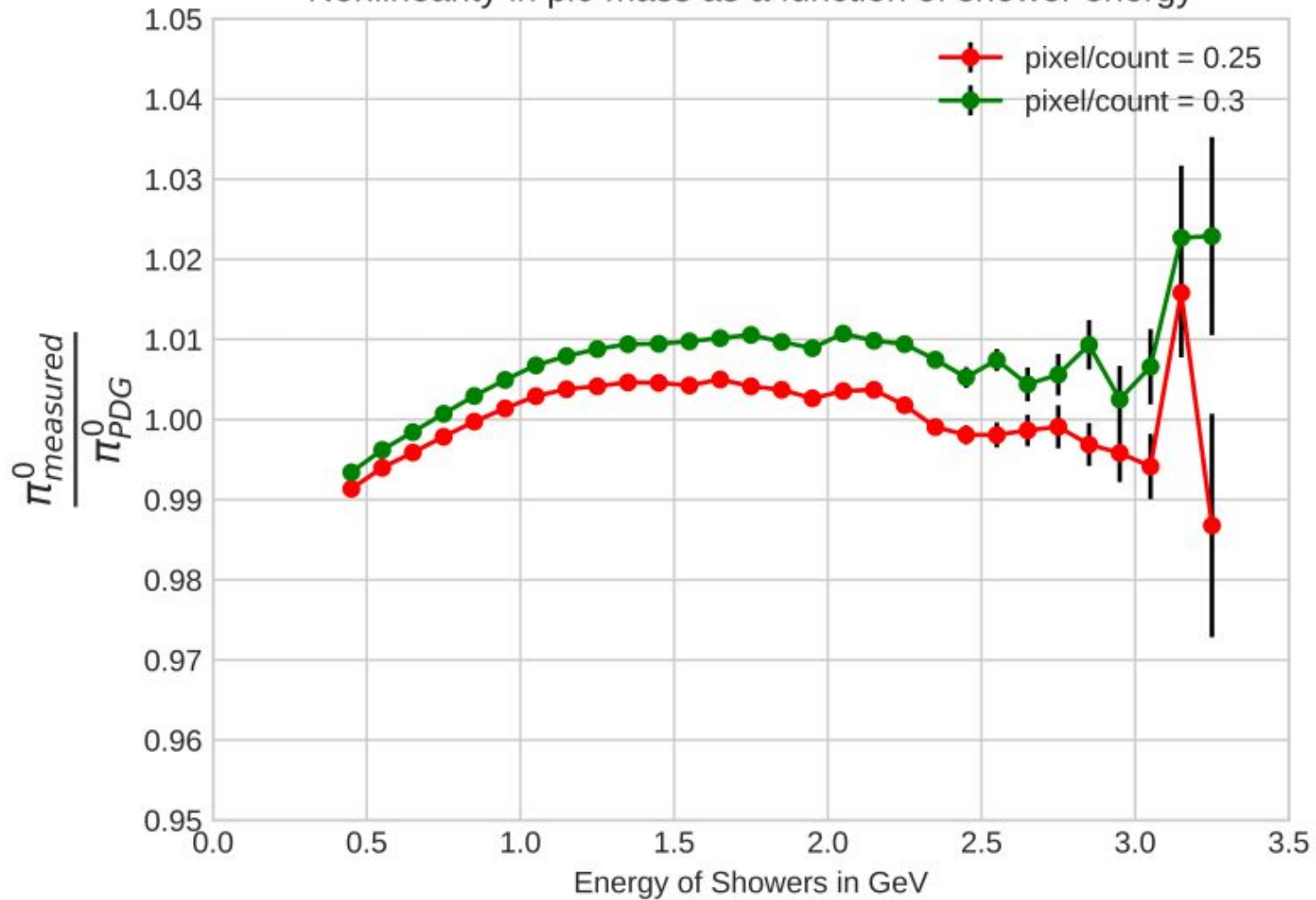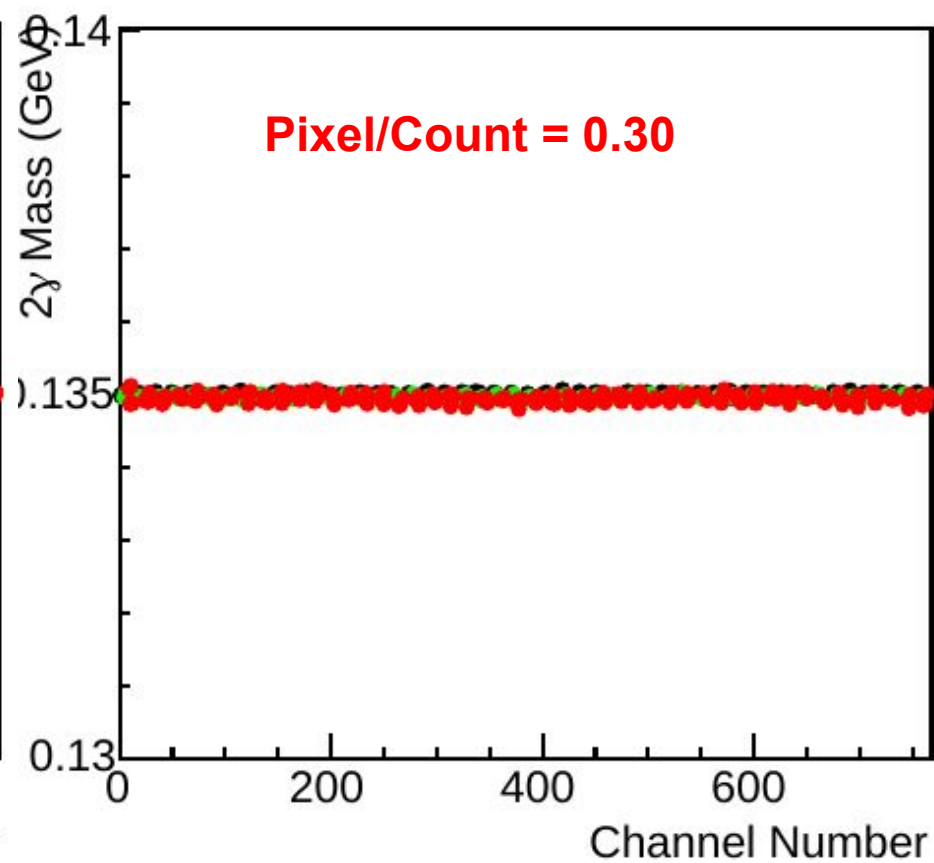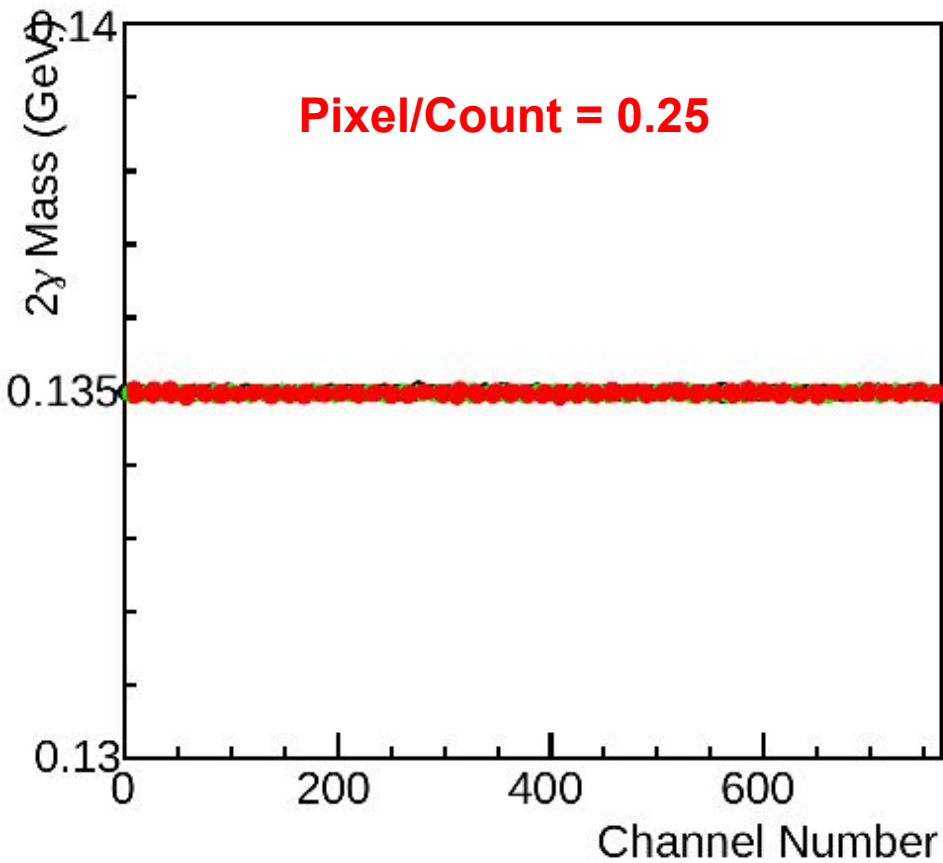Nonlinearity in pi0 mass as a function of shower energy
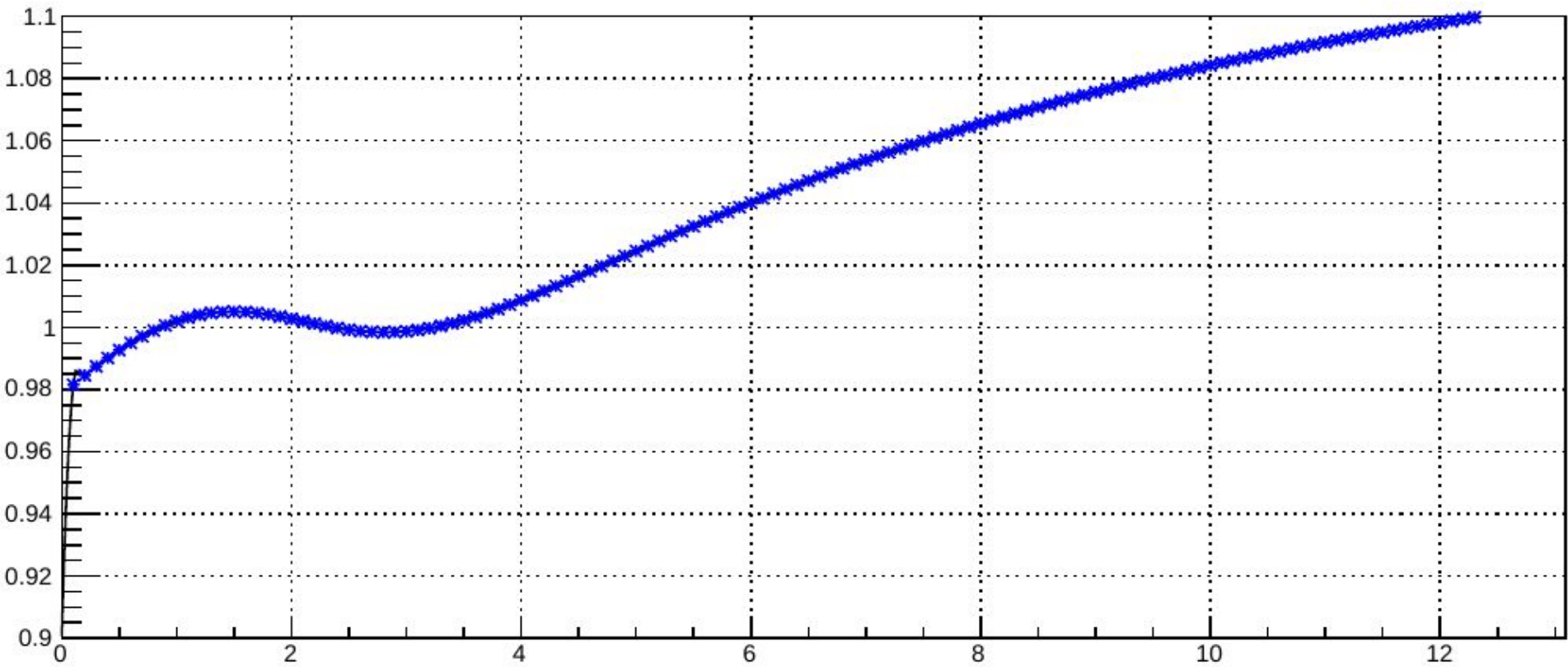
Both have converged to the right pi0 mass

Working on the following currently

- There is still a distinct nonlinearity in the calibration even after correcting for SiPM saturation
- However the fitting function tends to move in opposite direction at higher energies (see next slide)
- Like for Spring18 we need to fiducially put a point at higher energy and make the curve pass through that point
- Currently running some MC, shooting photons with fixed energy (5GeV) over the BCAL and looking its reconstructed energy peak

Fitting curve extrapolated till 12 GeV , pixel/count=0.25

Fitting curve extrapolated till 12 GeV for pixel/count = 0.3

Graph