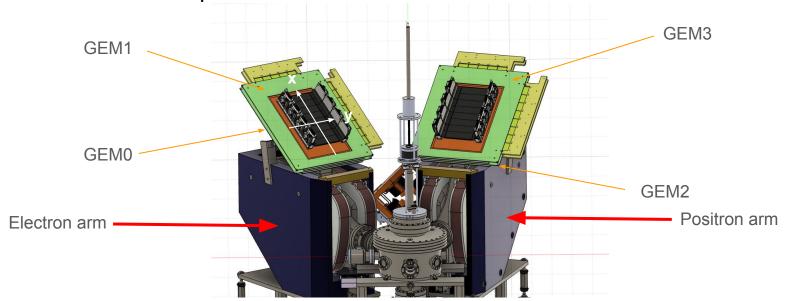# GEM digitization update

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Summary of GEM digi/reco code updates

- Merge request: https://github.com/DarkLight-EXP/darklight-cooker/pull/9
- Largely geometry related: bit of code updating because MUSE has same number of APVs per axis

Couple small todos

- Default run number is 10200 (artifact from old MUSE setup), will probably change this to something else
- Offset parameter (needed because MUSE only uses 122/128 channels on one APV per axis) can be removed
- Pedestal values: currently just copied for new APVs from what was previously there, where do these come from?
- Have to update visco plot ranges so they match DL geometry
- Fix the branch call for the EventInfo in the Geant4 code (will do once ongoing merge request for the triggers is done)

Validation plots

- Look a bit bizarre (GEM0 shown, but rest are the same)
- # of events = 10k, no multihits