

Activities in EEL CL124: UVa GEMs

- **Assembly of GEM layer #4 ongoing:**
 - 4 UVa GEM modules selected, preliminary assembly work and gas tubing installed \Rightarrow N₂ flowing for about a week now
 - Preliminary HV tests today to check again that 4 GEM modules are Ok \Rightarrow Then we can start the final cabling (HV cables, APV25 backplanes + HDMI etc ...)
- **Status of the cosmic stand with 3 GEM layers** (see Thir, Anu and Malinga reports)
 - Cable trays for long HDMI cables installed \Rightarrow HDMI cables installed / prepared for all 3 layers (tested for layer #2)
 - Progress in LV power supply
- **Production of the support pieces for APV25 12-slots backplanes of all 11 layers**
 - 3D printed pieces for module #0 and #2 in the layer in production (Brian Kross) \Rightarrow expect the job to be completed in a week or two
 - Job request to the machine shop for the FRP support pieces for module #1 and #3: \Rightarrow Will hear from Vince Pope on the completion of the job
- **MPD DAQ / readout / software setup:**
 - Will meet with Bryan on Friday morning to start working on the setup and configuration of the APV25/MPD of layer #2 \Rightarrow Configuration of a system 7 MPDs
 - Updated version of the MPD firmware /libraries (Not SSP readout) for the APV25 configuration including troubleshooting, debugging messages etc ...
 - **We need one or two standard VME crate in the clean room today \Rightarrow hopefully Alexandre can help us with that**
- **Trigger counters**
 - Will meet with Jessie on Tuesday next week to get 4 long (200 cm x 15 cm) trigger counters from ESB with PMTs on both end
 - Will organize with Bogdan to help prepare all 4 counters for us (test / repair light guide and PMT) \Rightarrow timescale depends on Bogdan availability, we will be available to participate in the preparation if he needs helps.