

# Recent UVA GEMs Hardware Work Update



12/16/2020

# Summary of last week's work

- On Monday, the assembly of the 7th layer was finished as it passed the HV test under Nitrogen. All four modules held HV at 4.2 KV/4.2 KV equivalent stably
- On Tuesday, we moved layer #1, #2, and #3 out of the cosmic stand and moved layer #6 and #7 in with the help of Hall C technicians. So right now, we only have four layers on the cosmic stand
- On Wednesday we moved layer #3 into the Bigbite setup in TEDF with the help of Jessie's crew -> Everything went smoothly; for pictures and videos of the process, look inside the google drive folder [here](#)
- On Thursday, we completely dismantled layer #1 and #2 and started the assembly of layer #8
- On Friday, Kondo took all the remaining Aluminum pieces that needs modification (including layer #1 and #2) from Jlab to UVA machine shop

# Plan for activities until the holidays

- Assembly of layer #8 is finished and we have started to flush the modules with Nitrogen
- Will do a HV test on layer #8 modules next week
- Given that there are no issues with the modules in the layer #8 after the HV test, we should be able to move it to the cosmic stand before the holidays begin
- Start assembling layer #9 next week if the Al pieces are back from UVA by then



