

NPS Collaborators' Meeting Minutes

Date: January 14, 2021

Time: 9:00AM – 10:00AM

Attendees: Arshak Asaturyan, Vladimir Berdnikov, Marie Boer, Aaron Brown, Alexandre Camsonne, Rolf Ent, David Hamilton, Tanja Horn, Charles Hyde, Paulo Medeiros, Hamlet Mkrtychyan, Carlos Munoz, Julie Roche, Brad Sawatzky, Vardan Tadevosyan, Bogdan Wojtsekhowski, Stephen Wood, Carlos Yero, and Camille Zindy

1. Detector Frame was shipped from IPN-Orsay to JLab on January 6 and upon arrival will be assembled in the Test Lab high bay
2. Carlos Munoz added cooling system documentation to the Hall C NPS wiki
3. Awaiting information regarding high voltage certification of SAMTEC connectors for multi-conductor HV cables
 - 2.1. Chris Cuevas will provide update at next NPS Collaborators' Meeting
4. DSG Update
 - 4.1. Aaron Brown presented [NPS Collaborators' Meeting](#) DSG Update
 - 4.2. DSG is developing flowcharts to detail how the hardware interlock system will react to various fault conditions
 - 4.3. Discussed Frame Humidity and Dew Point flowcharts and condensation mitigation
 - 4.3.1. Aaron Brown will contact Jack Segal regarding plan to pump dry air into detector frame
 - 4.4. Spare Keysight temperature scanning system arrived at JLab
 - 4.5. Mindy Leffel is fabricating 140' multi-conductor HV cables (Radiall 52-pin to triple SAMTEC connectors)
 - 4.5.1. Twelve Radiall connectors arrived from CAEN with defective strain relief collars; returning to CAEN for replacements
 - 4.6. CAEN HV system testing analysis can be found on [DSG Hall C NPS Technical Documentation](#) webpage
5. Carlos Munoz is measuring radiation hardness of Crytur crystals
 - 5.1. Current exposure is 30 Gy; possible increase of exposure up to 1000 Gy
 - 5.2. Photos will be taken after testing to compare with SICCAS crystals