

NPS Collaboration Meeting Minutes

Date: July 29, 2021

Time: 09:00AM – 10:00AM

Attendees: Tristan Anderson, Arshak Asaturyan, Fernando Barbosa, Vladimir Berdnikov, Marie Boer, Aaron Brown, Alexandre Camsonne, Rolf Ent, Tanja Horn, Charles Hyde, Steven Lassiter, Paulo Medeiros, Hamlet Mkrтчyan, Carlos Munoz, Julie Roche, Brad Sawatzky, Brannon Semp, Vardan Tadevosyan, Hakob Voskanyan, Bogdan Wojtsekhowski, Stephen Wood, and Carlos Yero

1. Low Voltage Cables Proposal/Strategy

Carlos Munoz

1. Presented [options for routing low voltage cables](#) for the amplifiers on the high voltage dividers on the PMT base
2. Two options presented: direct connection (one cable per amplifier), daisy-chaining
 - The voltage drop between PMTs needs to be calculated to determine if daisy-chaining is a viable option
3. Discussed connector size issues due to space limitations within detector frame and concerns about detector maintenance

2. DSG Update

Aaron Brown

1. Presented [NPS Collaborators' Meeting](#) DSG Update
2. Reviewed progress in the development of the Hardware Interlock System
3. Discussed interlocks for chillers; two remote power controllers (RPC-20-SCD) provide AC power to chillers
 - Remote power controllers will be placed in shielded area alongside chillers
 - Aaron Brown will look into the radiation hardness of the remote power controllers
4. Discussed interlocks for CAEN crates; Aaron Brown will look into methods of securing the OPEN/CLOSED interlock switch on the CAEN crate CPU to prevent tampering

3. Next meeting: 2021/08/26