

NPS Collaboration Meeting Minutes

Date: September 09, 2021

Time: 09:00AM – 10:00AM

Attendees: Arshak Asaturyan, Vladimir Berdnikov, Marie Boer, Aaron Brown, Alexandre Camsonne, Rolf Ent, Tanja Horn, Steven Lassiter, Paulo Medeiros, Hamlet Mkrtyan, Carlos Munoz, Emanuel Rindell, Julie Roche, Petr Stepanov, Vardan Tadevosyan, and Bogdan Wojtsekhowski

1. High Voltage Divider PCBs

Vladimir Berdnikov

1. Fifteen PMTs and high voltage dividers have arrived at JLab

2. DSG Update

Aaron Brown

1. Presented [NPS Collaborators' Meeting](#) DSG Update
2. Reviewed thermal analysis of 3x3 block of PbWO₄ crystals with carbon fiber dividers in front portion of crystal array
 - Heat load of 0.5 W applied to rear face of each crystal
 - Will investigate reason temperature profiles for front and rear faces of crystals are nearly identical
 - Discussed need for <1°C difference from crystal to crystal being necessary, and appropriate methods of cooling (is perimeter cooling the most effective?)
 - Analysis will be run using full-sized model – 36x30 matrix of crystals
3. Reviewed NPS documentation MySQL database being developed by DSG

3. ESR Pre-shaping

Vladimir Berdnikov, Aaron Brown

1. Discussed reflective film pre-shaping activity; DSG has three people available to assist
 - Procedure needs to be updated

4. Next meeting: 2021/09/30