

## NPS Collaborators' Meeting Minutes

**Date: May 12, 2022**

**Time: 09:00AM – 10:12AM**

*Attendees: Arshak Asaturyan, Vladimir Berdnikov, Marie Boer, Aaron Brown, Joshua Crafts, Rolf Ent, Tanja Horn, Zheng Huang, Charles Hyde, Mark Jones, Abishek Karki, Steven Lassiter, Paulo Medeiros, Hamlet Mkrtychyan, Carlos Munoz, Julie Roche, Brad Sawatzky, Vardan Tadevosyan, Pramita Tiwari, Bogdan Wojtsekhowski, and Erik Wrightson*

### 1. Crystal wrapping

*Vladimir Berdnikov*

1. Reviewed crystal wrapping presentation
  - ~310 of 1100 crystals wrapped
  - Work expected to be completed by end of May 2022
  - Care should be taken to avoid any overlap of the Tedlar as it negatively impacts the crystal stacking

### 2. DSG status update

*DSG*

1. Presented DSG NPS Status Update presentation
2. Reviewed Ansys Steady-State thermal analysis results with  $Q = 0.5$  W/crystal and an ambient temperature of 20°C
  - Approximately 210 crystals in the central zone are at ~20°C
3. Ansys Fluent analysis in progress for electronics, PMTs, and crystals; indicates temperature in the electronics zone and rear face of the crystals to be ~26°C
4. Mindy Leffel has back-potted the Radial connectors for 20 of 40 high voltage supply cables – noticed no effect on cable performance