

## NPS Collaboration Meeting Minutes

**Date:** April 15, 2021

**Time:** 9:00AM – 10:00AM

*Attendees: Tristan Anderson, Fernando Barbosa, Vladimir Berdnikov, Marie Boer, Aaron Brown, Alexandre Camsonne, Rolf Ent, Tanja Horn, Paulo Medeiros, Hamlet Mkrtchyan, Carlos Munoz, Vardan Tadevosyan, Hakob Voskanyan, Bogdan Wojtsekhowski, Stephen Wood, and Carlos Yero*

### 1. Anode Current Report

*Fernando Barbosa*

1. Discussed anode current testing
  - Reduce number of dynode stages from ten to eight by shorting dynodes nine and ten
  - Current PMT divider circuit design is unusable; design of new circuit underway
  - PMT operating voltage could be reduced to ~650 V with new design
  - Goal is to be at production phase for the redesigned divider by June 2021

### 2. DSG Update

*Aaron Brown*

1. Presented [NPS Collaborators' Meeting](#) DSG Update
  - Fabricated six of 40 HV supply cables
  - Completed fabrication of HV supply cable test chassis
  - Plan on two cable tests (switching test, long-term test) at 2000 V with 3-M $\Omega$  load
  - No-load preliminary testing of five cables in progress—long-term test (~1 wk at 2400 V), switching test (also at 2400 V)

### 3. Next meeting: 2021/04/29