

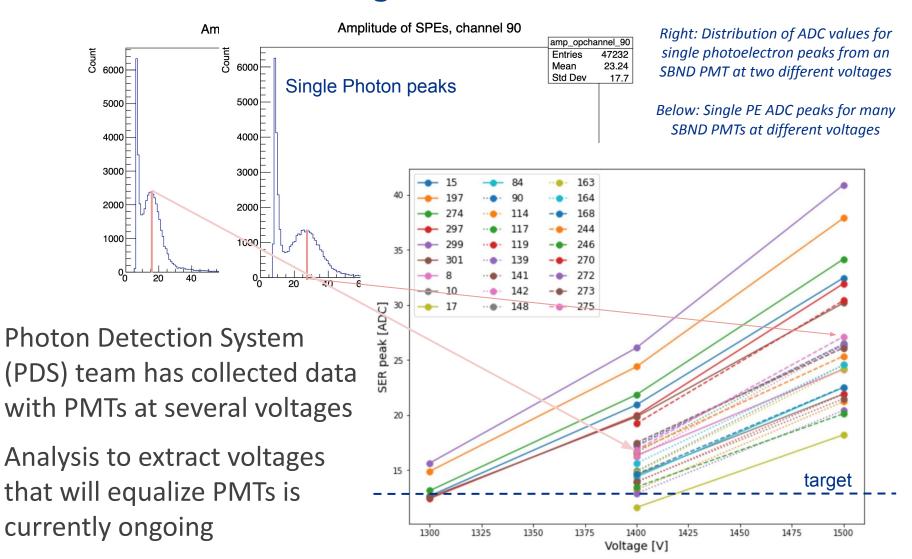


#### **SBND Status**

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Proton PMG / All Experimenters' Meeting
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# **Detector Commissioning: First PMT Gain Studies**



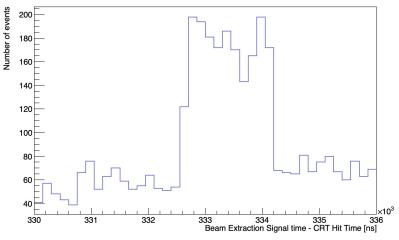


### **Detector Commissioning: CRT Installation**

Shortly after BNB returned, observed beam activity in the north wall of the CRT

Thermal qualification of SBND cryostat completed and additional side walls are now being installed on a rolling basis

East wall of CRT has been installed, and west wall is being assembled and cabled CRT North Wall [data collected 14 March 2024, 3pm-6pm]



Beam activity excess in CRT in ~3 hours of BNB data







# **Detector Commissioning: DAQ & Trigger**

Significant progress on integrating all subsystems in DAQ and verifying time synchronization, trigger functionality

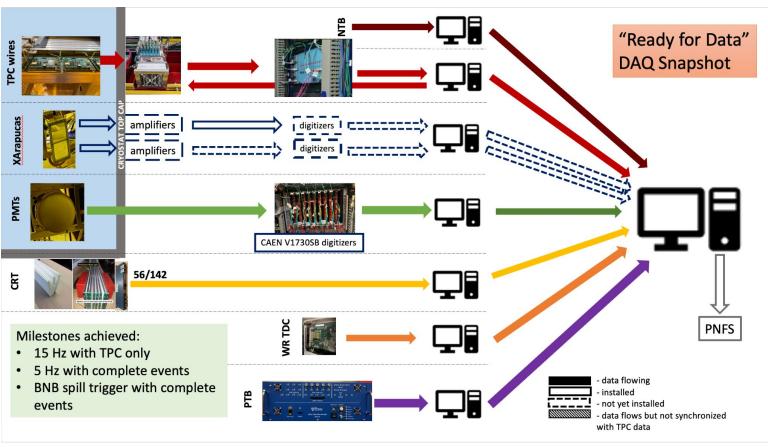


Diagram illustrating status of DAQ integration.





# **Detector Commissioning: Ongoing Work**

Aiming to complete commissioning of beam trigger, including time synchronization with PMTs and CRT, before summer shutdown

Will then focus on beam+light trigger that is the basis for main SBND physics

Also plan to commission CRT crossing muon triggers which will facilitate other types of commissioning studies



