

# Iceberg Status at and after Run 2B

PD in ICEBERG meeting 10/7/2019

SSP has been turned on, it is now integrated into the Iceberg DAQ – thank you to Kurt Biery, Bishu, Wei Mu, Rory, Dante, Bryan (I may be missing people) – **more in Bishu's presentation.**

DAPHNE is running and also took data in the last couple of days. (**more in Rory's presentation**).

Run 2B is finished and there are problems with the cryogenics of Iceberg. Iceberg will be opened to investigate and solve problems related to the condenser that has been unable to control pressure when the cryostat is at its maximum level.

The CE group will investigate the reasons why there were so many fuses blown in the CE WIBs.

SCHEDULE?

**Cool down in late October**

## **What do we want for run 3A?**

1. Relative efficiency of X vs Standard Arapucas.
2. Comparison of DAPHNE vs SSP
3. Understand and mitigate undershoot seen with both DAPHNE and the SSP

## **What do we need in order to achieve these?**

- Good understanding of the geometry (“illumination” of the two Arapuca arrays- I carefully avoided the word simulation)
- Ideally we should be matching tracks from the TPC with the light seen by the PD. Will this happen?
- A group of people who can dedicate time to trigger selection; data analysis and geometry/simulation.