Contribution ID: **113** Type: **contributed talk**

Developing criteria for SNO+ Data Quality and Run Selection

Tuesday 8 April 2014 14:00 (15 minutes)

The multi-purpose SNO+ detector, part of SNOLAB, is currently being filled with ultra-pure water, marking the first step before the addition of liquid scintillator and then Tellurium. While the level of water in the detector rises, the level of activity in preparation for commissioning is accordingly steadily increasing. Recent periods of continuous operation—each lasting of order two weeks—produced a wealth of "dark"data, which has already proved invaluable for testing critical systems. After presenting an overview of the SNO+ experiment, this presentation will focus on Front-end Calibrations, particularly Data Quality and Run Selection, based on analysis of the current "dark"data. An account of how the Data Quality Criteria were developed, is presented, followed by a discussion of how they are being verified and tuned using the recent SNO+ data.

Primary author: BACK, Ashley (Queen Mary, University of London)

Presenter: BACK, Ashley (Queen Mary, University of London)

Session Classification: Parallel 1E

Track Classification: The Neutrino Sector