



Contribution ID: 4

Type: **not specified**

## Continuous operation of liquefied noble gas calorimeters at CERN

*Tuesday 23 September 2008 11:30 (25 minutes)*

Two experiments at CERN are demanding the continuous cooling (24h/24h, 365 days/year) of liquefied noble gas calorimeters: the NA48 experiment equipped with a 10 m<sup>3</sup> liquid krypton calorimeter and the ATLAS experiment equipped with a 85 m<sup>3</sup> liquid argon calorimeter housed in three independent cryostats.

This presentation will focus on the design principles applied to allow for this highly demanding operation condition and on the experience gathered with these two cryogenic systems.

**Proposed for workshop session (see call for abstracts): 1- Operation 2- Maintenance 3 - Safety 4 - Control**

operation

**Author:** Dr BREMER, Johan (CERN)

**Presenter:** Dr BREMER, Johan (CERN)

**Session Classification:** OPERATION 1

**Track Classification:** OPERATION