



Contribution ID: 507

Type: **Poster presentation**

The Phase-I Trigger Readout Electronics Upgrade of the ATLAS Liquid Argon Calorimeters

Tuesday, 12 June 2018 15:55 (15 minutes)

Electronics developments are ongoing for the trigger readout of the ATLAS Liquid-Argon Calorimeter towards the Phase-I upgrade scheduled in the LHC shut-down period of 2019-2020. The LAr Trigger Digitizer system will digitize 34000 channels at a 40 MHz sampling with 12 bit precision after the bipolar shaper at the front-end system, and transmit to the LAr Digital Processing system in the back-end to extract the transverse energies. Results of ASIC developments including QA and radiation hardness evaluations, performances of the final prototypes and results of the system integration tests will be presented along with the overall system design.

Minioral

Yes

Description

LAr Trigger

Speaker

ATLAS

Institute

CERN

Country

Switzerland

Primary authors: MORANGE, Nicolas (Université Paris-Saclay (FR)); ATLAS LAR CALORIMETER GROUP

Presenter: ATLAS LAR CALORIMETER GROUP

Session Classification: Poster 1

Track Classification: Upgrades