



Contribution ID: 27

Type: **Contributed Talk**

The Atlas Liquid Argon Calorimeter: Integration, Installation and Commissioning

Thursday 22 February 2007 09:50 (20 minutes)

The ATLAS liquid argon (LAr) calorimeter system consists of an electromagnetic barrel calorimeter and two endcaps with electromagnetic, hadronic and forward calorimeters. The liquid argon sampling technique, with an accordion geometry was chosen for the barrel electromagnetic calorimeter (EMB) and adapted to the endcap (EMEC). The hadronic endcap calorimeter (HEC) is using a copper-liquid argon sampling technique with flat plate geometry and is subdivided into two wheels in depth per end-cap. Finally, the forward calorimeter (FCAL) is composed of three modules featuring cylindrical electrodes with thin liquid argon gaps.

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Session Classification: Session 7