



Contribution ID: 368

Type: **Oral Presentation**

The RD51 Collaboration for the Development of Micro-Pattern Gas Detectors

Thursday 9 June 2011 14:00 (30 minutes)

Modern photolithographic technology has enabled a series of inventions of novel Micro-Pattern Gas Detectors (MPGD), in particular the Gas electron Multiplier (GEM), the Micro-Mesh Gaseous Structure (Micromegas), and other micro pattern devices, which offer the potential to develop new gaseous detectors with unprecedented spatial resolution, high rate capability, large sensitive area, operational stability and radiation hardness. The RD51 collaboration advances technological development of the large area MPGDs and associated electronic-readout systems, for applications in basic and applied research. This talk will highlight the main achievements in the field of micro-pattern gas detectors and review common projects under development in the framework of the RD51 collaboration.

Author: COLAS, Paul (IRFU-cea - Centre d'Etudes de Saclay)

Presenter: COLAS, Paul (IRFU-cea - Centre d'Etudes de Saclay)

Session Classification: Gaseous Detectors

Track Classification: Gaseous Detectors