



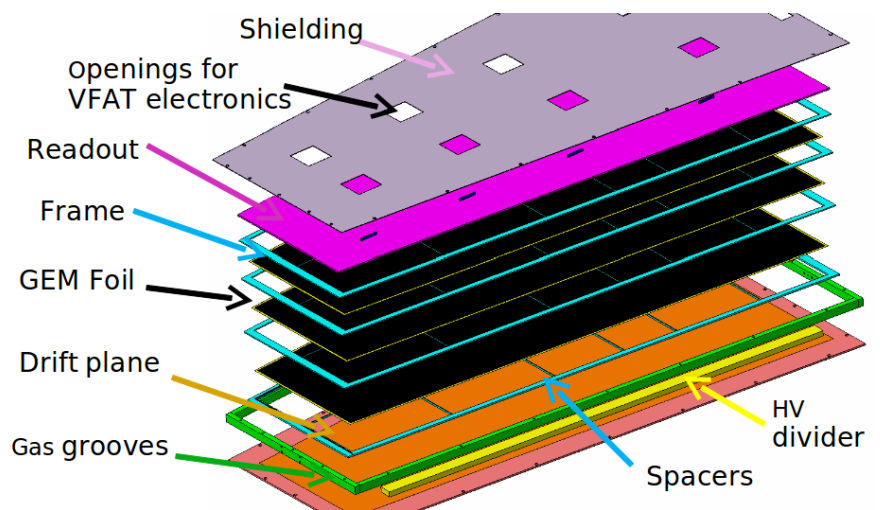
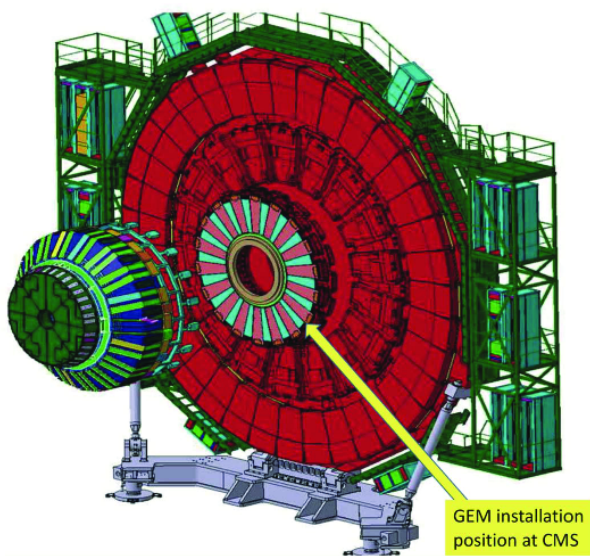
Upgrade of CMS Muon Spectrometer in the Forward Region with the GEM Technology



Speaker: Dr. Michele Bianco (from CERN)

**Organised by:
Experimental HEP department at NCP, Islamabad
(Thursday, 07 June 2018 at 10:00 AM)**

The Compact Muon Solenoid (CMS) collaboration is upgrading the muon detector in the forward region using a technology of Gas Electron Multiplier (GEM). The detectors are able to handle the extreme particle rates along with a high spatial resolution. This allows to improve tracking and triggering capabilities of CMS, resulting in a lower trigger threshold in addition to muon identification. **Dr. Michele Bianco** will present the overview of GEM detector technology used of CMS muon system upgrade. **Pakistan** is an active part of GEM upgrade project for the CMS detector and involved in building and testing the GEM detectors.



Venue:

Main Auditorium, National Centre for Physics,
Quaid-i-Azam University Campus, ISLAMABAD

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