



Contribution ID: 13

Type: **Vortrag**

Future Upgrades of the BCM1F Detector at CMS

Monday 16 April 2018 17:09 (23 minutes)

The BCM1F detector provides an online, bunch-by-bunch measurement of the luminosity and machine induced background at the CMS experiment. To further increase the detector performance for Run 3 of the LHC, an upgrade of the detector front end is foreseen for the period of the Long Shutdown 2 (2019-2020). This will include the transition from DC-coupled diamond to AC-coupled silicon sensors as well as a redesign of the Flex-Rigid PCB.

This talk will introduce the BCM1F detector with its newly developed MicroTCA back end system and provides an overview of the foreseen upgrade works.

Primary author: Mr RÜDE, Alexander (CERN/KIT)

Presenter: Mr RÜDE, Alexander (CERN/KIT)

Session Classification: Detektoren