

HEP2023 - 40th Conference on Recent Developments in High Energy Physics and Cosmology, Ioannina, Greece



Contribution ID: 64

Type: **not specified**

CMS HGCAL Modules & Assembly Status

Wednesday 5 April 2023 17:40 (20 minutes)

The CMS Collaboration is designing a new high-granularity endcap calorimeter, HGCAL, to be installed as a replacement endcap calorimeter for the High Luminosity LHC era, later this decade. This sampling calorimeter will have approximately six million silicon sensor cells and four hundred thousand scintillator tiles readout with on-tile silicon-photomultipliers. After prototypes and past test beams, the module hardware design has been finalised and CMS is preparing for the mass assembly process. In this presentation, a status of the silicon modules for the HGCAL as well as the assembly process at the National Taiwan University will be given. In addition, hardware projects of the Taiwan Instrumentation and Detector Consortium (TIDC) will be shown.

Primary author: TSIONOU, Dimitra

Presenter: TSIONOU, Dimitra

Session Classification: Parallel (Experiment)