



Contribution ID: 169

Type: **not specified**

Experience in design and prototyping of CMS HGCAL

Thursday, 18 March 2021 13:00 (20 minutes)

The CMS High Granularity Calorimeter (HGCAL) has been heavily influenced by designs for detectors at future colliders, and the experience gained in constructing it will be crucial to those future projects. Designed to function in the end cap region of CMS at the HL-LHC, the calorimeter must cope with extremely high particle flux while delivering good physics performance.

The HGCAL is currently transitioning from the design phase into the construction of advanced prototype components. Soon construction of the final detector elements will commence.

In this talk, we review the important features of the design, describe some problems and solutions encountered along the way, and describe the plan to bring the construction of the calorimeter to a successful conclusion.

Primary author: KOLBERG, Ted (Florida State University)

Presenter: KOLBERG, Ted (Florida State University)

Session Classification: Calorimetry

Track Classification: Calorimetry