

The SiPM-on-tile system of the CMS HGCALE upgrade

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The HGCALE endcap calorimeter of the CMS experiment at HL-LHC will include a hadronic compartment that is based partly on the SiPM-on-tile concept. Building a performant SiPM-on-tile system involves the development and testing of rad-hard scintillators and SiPMs to meet the challenges of the HL-LHC experimental environment. We will review the design of the SiPM-on-tile part of the calorimeter, and describe the current status of the effort.

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Primary authors: KIM, Suho (Florida State University (US)); KOLBERG, Ted (Florida State University (US))

Presenter: KIM, Suho (Florida State University (US))

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