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Validating Geant4 against calorimeters beam tests

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The Geant4 Team at CERN is leading a long-term validation program based on detailed reproduction of calorimeter test-beam simulations and results in geant-val, the Geant4 validation and testing suite. This program focused so far on the ATLAS Hadronic Endcap and Tile Calorimeter, the CMS High-Granularity Calorimeter, the CALICE SiW Calorimeter and the optical-fiber Dual-Readout Calorimeter. New results including Geant4 regression testing and physics list comparison will be presented. Moreover, the chart for Geant4 development will be discussed.

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