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Including calorimeter test-beams into geant-val - the physics validation testing suite of Geant4

The Geant4 simulation toolkit is widely used in particle physics experiments, including the LHC major ones. In this talk, we will present the first results of a one-year-old validation program carried out by the Geant4 Collaboration based on calorimeters test-beam data. The Monte Carlo ability to reproduce several hadronic and electromagnetic shower features has been tested against results from the ATLAS hadronic end-cap calorimeter, the CALICE silicon-tungsten calorimeter and the bucatini-based Dual-Readout calorimeter. This work targets results deployment within geant-val, the Geant4 validation and testing suite that allows to openly share any test with the particle physics community. The geant-val main features, the instructions for contributing to it and the next steps for Geant4 validation will be presented as well.

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