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Geant4 electromagnetic physics progress

Tuesday, November 5, 2019 11:00 AM (15 minutes)

The Geant4 electromagnetic (EM) physics sub-packages is an important component of LHC experiment simulations. During long shutdown 2 for LHC these packages are under intensive development and in this work we report a progress for the new Geant4 version 10.6. These developments includes modifications allowing speed-up computations for EM physics, improve EM models, extend set for models, and extend validations of EM physics. Results of EM tests and benchmarks will be discussed in details.

Consider for promotion

Yes

Primary authors: Prof. IVANTCHENKO, Vladimir (CERN); NOVAK, Mihaly (CERN); GUATELLI, Susanna; INCERTI, Sebastien (CNRS/IN2P3); BANDIERAMONTE, Marilena (University of Pittsburgh (US))

Presenter: HRIVNACOVA, Ivana (Centre National de la Recherche Scientifique (FR))

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