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GeantV - Simulation in the Era of High Performance Computing

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Dr Daniel Elvira is a Scientist at Fermi National Lab, Physics and Detector Simulation Group Leader (SCD-FNAL), Scientific Computing Simulation Department Head (SCD-FNAL) and CMS Department Head (SCD-FNAL). He is part of the worldwide collaboration developing the next generation toolkit based on GEANT simulation framework.

GEANT firmware was developed by /for Particle Physics at CERN and has been increasingly used in many other domains of research and of applied life. It is now being adapted to the new HPC and MPC frameworks. The content of Dr Elvira's lecture is summarized in the abstract in the file here below. This lecture is complemented by a computer- aided Lab, co-organized with Dr Guilherme Lima (FNAL scientist). The Lab abstract is also included in that file.

Convener: Alexandre Suaide (IF-USP)

Presenter: Dr ELVIRA, Victor Daniel (Fermi National Accelerator Lab. (US))