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Geant4: status and recent developments

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Geant4 is relied upon in production for increasing number of HEP experiments and for applications in several other fields. Its capabilities continue to be extended, as its performance and modelling are enhanced.

This presentation will give an overview of recent developments in diverse areas of the toolkit. These will include, amongst others, the optimisation for complex setups using different production thresholds, improvements in the propagation in fields, and highlights from the physics processes and event biasing.

In addition it will note the physics validation effort undertaken in collaboration with a number of experiments, groups and users.

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