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Status of ESA Geant4 R&D activities

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The European Space Agency (ESA) is currently supporting a number of R&D projects where the Geant4 software is either used or further developed. These include activities for radiobiology in the human spaceflight and exploration context; electron radiation effects and analysis software for Navigation constellation orbits; radiation effects analysis framework development for ESA Cosmic Vision science missions; and enhancement of generic capabilities for component microdosimetry and Single Event Effects analyses. In this presentation, an overview of these developments and future ESA Geant4 plans is given.

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