

# **$\bar{d}14$ 1st cosmic ray antideuteron workshop**

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## **Recent Developments in Geant4**

*Friday, June 6, 2014 2:00 PM (30 minutes)*

The Geant4 simulation toolkit has advanced along many fronts in the past year with a major release implementing multi-threading and event level parallelism. In electromagnetic physics, improvements to the multiple scattering models were made, amongst other developments. The radioactive decay package was improved and extended. Developments in Geant4 hadronics include improved cascade models, improved low energy neutron models and extensions to high energy models which allow interactions of anti-deuterons and anti-alphas with matter. All of these items will be discussed, with emphasis on the anti-particle interactions.

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