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Geant4 models for nuclear de-excitation

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Geant4 hadronic physics sub-library includes a wide variety of models for high and low-energy hadronic interactions. We report on recent progress in development of the Geant4 nuclear de-excitation module. This module is used by many Geant4 models for sampling of de-excitation of nuclear recoil produced in nuclear reactions. Hadronic shower shape and energy deposition are sensitive to these processes. We will present comparisons of Geant4 predictions for the thin target experiments and will discuss CPU efficiency of Geant4 de-excitation module.

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