

Abstract Submitted
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Shielding studies for 2.5 MeV neutrons using GEANT4 FELIPE TOVAR, MIGUEL CASTRO-COLIN, Dept. of Physics, U. of Texas at El Paso, 500 W. University Ave., El Paso, TX, USA, LASZLO SAJO-BOHUS, Nuclear Phys. Laboratory, U. Simon Bolivar, Apartado 8900, YV - 1080A Caracas, Venezuela — By means of the software GEANT4, a toolkit based on the Monte Carlo method, we seek to study the dispersive effects that 2.5 MeV neutrons have, as well the gamma-yield, after interacting with various attenuating materials with simple geometrical configurations. A simulated mass of Uranium-238 is considered in the study with the purpose of observing the behavior of its characteristic yield after fast neutron irradiation.

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