

Test on electron forward scattering from foils at 13

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Short description: A mono-energetic electron beam of 13 MeV and Gaussian circular spot of 0.1 cm FWHM was normally incident on the exit window, a scattering foil, a monitor chamber, and mylar slabs on either side of a region filled with helium

Reference publication: Bruce A Faddegon, Iwan Kawrakow, Yuri Kubyshev, Joseph Perl, Josep Sempau, and Laszlo Urban, The accuracy of EGSnrc, Geant4 and PENELope Monte Carlo systems for simulation of electron scatter in external beam radiotherapy, Phys. Med. Biol. 54:6151-6163, 2009.

Geant-val layout: ElecForwScat

Tested EM physics constructors:

- *EMStandard_opt0*
- *EMStandard_opt3*
- *EMStandard_opt4*
- *EmStandard_GS*
- *Livermore*
- *Penelope*

-- SusannaGuatelli - 2019-04-18

This topic: Geant4 > ElectronScatteringTest

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