

62/n C-12 fragmentation on carbon target

Authors: Carlo Mancini-Terracciano, Roma 1, INFN, Italy

Short description: Test on the nuclear interaction models available in Geant4 for low energy carbon ions.

Geant-val layout: LowEC12Frag

Reference data: double-differential cross sections of the secondary fragments produced in C-12 fragmentation at 62 MeV/n on a thin carbon target. This dataset has been acquired by M. De Napoli et al., "Carbon fragmentation measurements and validation of the Geant4 nuclear reaction models for hadrontherapy". *Physics in Medicine and Biology* 57.22 (2012), pp. 7651-7671.

Tested physics constructors:

- *INCL*
- *BIC*

-- SusannaGuatelli - 2019-04-18

This topic: Geant4 > G4LowEFrag

Topic revision: r4 - 2019-04-23 - SusannaGuatelli



Copyright &© 2008-2021 by the contributing authors. All material on this collaboration platform is the property of the contributing authors.
or Ideas, requests, problems regarding TWiki? use [Discourse](#) or [Send feedback](#)