

Monte Carlo Application for the ELIMED Beam-line

Friday, 9 September 2016 14:50 (20 minutes)

In this poster, we present our Geant4-based Monte Carlo application for ELIMED beam-line simulation, including its features and most important results. We have used the application to aid the design of the beam-line, to estimate various beam characteristics, and to assess the amount of secondary radiation. Currently, we are working on the user interface and overall code quality. Once finished, the application will help the beam-line users in designing their experiments.

Primary authors: ROMANO, Francesco (LNS); MILLUZZO, Giuliana Giuseppina (LNS); PIPEK, Jan (LNS)

Co-authors: SCHILLACI, Francesco (LNS); CUTTONE, Giacomo (LNS); CIRRONE, Giuseppe (LNS); Dr SCUDERI, Valentina (LNS)

Presenter: PIPEK, Jan (LNS)

Session Classification: Targetry, Diagnostics and Dosimetry