

ACTIVITY INSTRUCTIONS

OBJECTIVES:

- To carry out Monte Carlo simulation of radiation transport in simple problems.
- To get feedback from supervisors.

DOCUMENTATION:

- Two activity scripts.

PROCEDURE:

- Read carefully the instructions and the scripts and carry out what is required.
- Write a brief report on each activity and email them to Antonio M. Lallena (lallena@ugr.es) or Marta Anguiano (mangui@ugr.es)
- Do not hesitate to contact us if any support is needed.

MONTE CARLO CODES:

- Any Monte Carlo code that performs the simulation of the radiation transport in materials can be used. Below, the way to obtain some of them is indicated.

PENELOPE: it must be requested from the NEA (<https://www.oecd-nea.org>)

Geant4: it can be downloaded from <https://geant4.web.cern.ch/support/download>

FLUKA: it can be downloaded from <http://www.fluka.org/fluka.php>