
BEAMIDE srl (www.beamide.com), spin-off company of INFN-Perugia Section, and Department and Physics & Geology of Perugia University co-finance a contract for 3 years PhD program.

The title of the fellow is "Matter Radiation Interactions Simulations; Development of Algorithms, Tools and Validation with Experimental Data".

The call is open until June 26th, 2022. Please check the [link for application details](#) and see below for required experience for candidates.

Requirements:

- Master degree in one between
 - High energy experimental Physics
 - IT Science
 - Mathematics
- At least two of the following:
 - Advanced level of knowledge in C/C++ languages
 - Experience in radiation/particle detectors design, realization and test
 - Experience in GEANT4 or FLUKA simulation tools
 - Experience in CERN ROOT analysis tool
 - Experienced with compiler tools (CMake, CLang, MSVC etc.)
 - Knowledgeable about Qt framework
- Good knowledge of written and spoken English

Additional subjects that can be preferred:

- Experienced in Data Acquisition and Slow control electronics for radiation/particle detector systems
- Experience in GPU oriented programming
- Residence and domicile in Umbria, Italy

If you are interested to work in a scientifically and technically challenging environment, [apply to the call](#) and send a copy of your CV to curricula@beamide.com