

Simulations for Detector Development

Master or PhD Thesis, Monte Carlo Simulation and/or Experiment

Abstract:

The several experimental groups working at ELI-Beamlines are also active in the development of new detectors. The Monte Carlo group closely collaborates with experimental groups and is in charge of the simulations for the new detectors. The Monte Carlo group starts working on the first proof of concept simulations and uses the simulations to drive the final design of the new detectors. The subject of the thesis would then be whole simulation process from the start to the end. For a PhD thesis it could be envisaged a collaboration with experimental team in the construction and commissioning of the new detectors.

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