

# Simulation of semiconductor pixel detector response

*Tuesday, 16 January 2018 09:15 (15 minutes)*

In my thesis, I go in for a detector optimisation using mainly the Geant4 toolkit and Allpix-squared, a new Geant4-based program which is currently being developed in collaboration with CERN facility. In particular, I focus on radiation resistible semiconductor monolithic pixel detectors used in space dosimetry.

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**Session Classification:** Studenti třetího ročníku