

Bonn-Cologne Graduate School of Physics and Astronomy

# Intensive Week Course: Simulations for Experimental Nuclear Physics - Hands-on

12. - 16. October 2015, IKP Seminar Room  
Mo - Th 10 - 12, 13.30 - 17(30), Fr 10 - 12, (13.30 - 15)

Lecturers:

Dr. Marc Labiche\*, Dr. Nigel Warr†, Dr. Helmut Weick°  
(\*STFC, Daresbury, UK; †IKP, Cologne; °GSI, Darmstadt)

During the intensive week on “Simulations for Experimental Nuclear Physics - Hands-on” several experts will introduce the topic and share some of their rich experience. In particular there will be lectures and hands-on sessions on simulating of trajectories of products of nuclear reactions, like fragments in fragment separators with the help of computer codes. Further on, an introduction to the simulation framework GEANT4 will be given and many examples of modern detector arrays, for example AGATA, will be discussed in the lectures and exercises. On the last day, there will also be several small talks of local students who perform simulations for their scientific projects.

Further details @ <http://www.ikp.uni-koeln.de>

Please register by sending an informal email to [a.blazhev@ikp.uni-koeln.de](mailto:a.blazhev@ikp.uni-koeln.de)!

All interested students are cordially invited.

