

Bonn-Cologne Graduate School of Physics and Astronomy

# Intensive Week Course: Reactions and Targets for Low-energy Nuclear Physics Experiments - Hands-on

September 16 - 20, 2019, University of Cologne



## Main lecturers:

Prof. Dr. Antonio M. Moro (University of Sevilla, Spain)

Dr. Karl-Oskar Zell (University of Cologne, Germany)

IKP seminar room and target lab

Mon 10 – 17, Tue - Thu 09 – 17, Fri 09 – 15

(including lunch breaks and afternoon coffee breaks)

The intensive week will include lectures and hands-on sessions given by renowned experts in the corresponding fields. The target audience is master and doctoral students, but others are also welcome. The first part on nuclear reactions will cover elastic and inelastic scattering, optical model potentials, selected reactions with exotic nuclei, as well as an introduction to calculations using the code FRESKO. The last two days will be dedicated to methods and techniques for the preparation of targets for low-energy nuclear experiments, including hands-on sessions for beginners.

The week will start on Monday 16.09.2019 at 10:00 and most of the time will take place in the seminar room of the Institute for Nuclear Physics (IKP) at the University of Cologne. Only some hands-on sessions on Thursday and Friday afternoon will take place in the target lab of the institute.

Please send your questions and registration requests to Dr. Andrey Blazhev: [a.blazhev@ikp.uni-koeln.de](mailto:a.blazhev@ikp.uni-koeln.de).  
Further details @ <http://www.ikp.uni-koeln.de/>

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