

Physics713: Particle Detectors and Instrumentation

This lecture is about the different aspects of experimental hadron physics. During this lecture, the following topics will be covered:

- Scattering experiments
- Hadron physics
- Electron and Photon Beams
- Interaction of particles with matter
- Particle detectors
- Data analysis

The lecture will be accompanied by two hours of exercises per week. During these exercises, an experiment will be set up and conducted at the ELSA accelerator. At the end, a short data analysis will be performed. The exercises will therefore include a hands-on experience in electronics, detector readout and data analysis.

Time and place of the lecture: Mo 14-16h, HS1/PI and Wed 13-14h SR1/HISKP
The time of the exercises will be discussed in the first lecture.

Further details can be found on the e-campus page:
https://ecampus.uni-bonn.de/goto_ecampus_crs_3267818.html