

# Vorlesungsankündigung

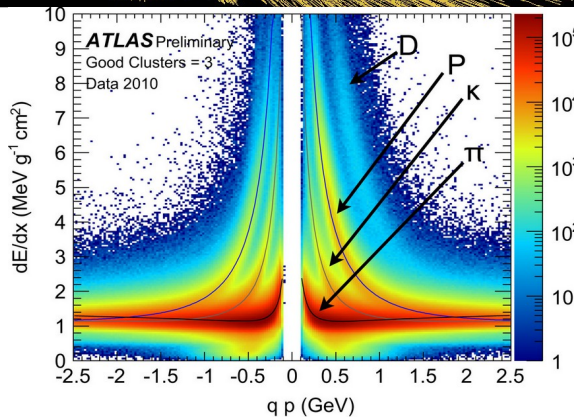
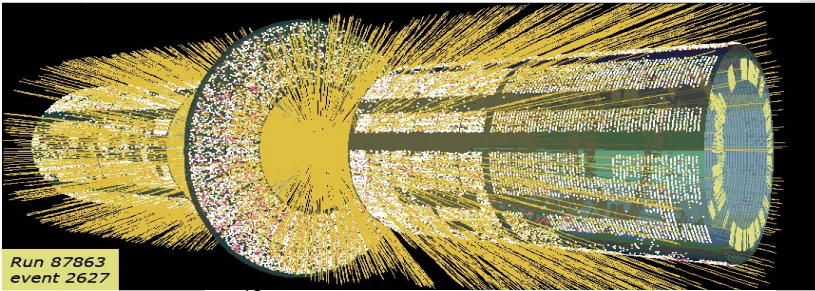
## Detector Physics

(Wintersemester 2023)

PD Dr. Carmen Diez Pardos

**Exercises & Lectures:** Wednesdays and Thursdays, 14 – 16 h, ENC-B 030

**Starting:** Wednesday, 11 October 2023



In this course you will get familiarized with the foundations of detector physics: the working principle of detectors and the physical principles responsible for generating signals. You will also learn about application of different kinds of detectors.

The lectures will cover

- Interaction of particles and matter
- Properties of detectors
- Gas filled detectors
- Solid-state detectors
- Particle identification
- Medical applications
- ...

### Prerequisite for participation:

Experimentalphysik V (Kern- und Teilchenphysik)

The lecture counts as an elective course (Wahlpflichtfach) in the Master's program in physics.

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