

## Particle Physics Detectors 4

*Friday 4 August 2023 09:30 (45 minutes)*

The second morning will start out with tracking detectors. What are they for and how does tracking work (very basic). The main technologies such as semiconductor and gas detectors will be shown including many examples from known experiments. Also Muon detectors as far outside tracking detectors will be covered.

In the last part of the lecture overall concepts, why are large detectors built the way they are, will be explained. The lecture is concluded with some examples from real life, also where something did go wrong with some reasons how it could happen.

**Presenter:** GREGOR, Ingrid-Maria (DESY/Uni Bonn)

**Track Classification:** HEP: High Energy and Particle Physics Lectures