

April 20, 2023 (Week 12)

Detecting Particles

Objectives:

- Become familiar with the ATLAS Experiment
- Become familiar with particle detection principles

Outline:

- ATLAS magnets
- ATLAS triggers and data acquisition
- Tracking
- Calorimeter clusters
- Muon reconstruction
- Electron reconstruction
- Photon reconstruction
- Hadronic jets
- Hadronic tau reconstruction
- Overlap removal
- Missing transverse energy

Homework - none