

Summer Student Programme 2022

Lecture Title: Particle Detectors
Lecturer's name: Werner Riegler
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Short CV:

1994-1997: Ph.D. in the ATLAS experiment @ CERN
1997-2000: Post. Doc. at Harvard University on ATLAS/CDF experiments
2000-2004: CERN Staff scientist on the LHCb experiment
2004-present: CERN Staff scientist on the ALICE experiment
2010-present: Technical Coordinator of the ALICE experiment
2015-present: Coordinator of FCC-hh detector and physics studies

Lecture Content: Particle Physics Instrumentation

- History of Instrumentation
- The 'Real' World of Particles
- Interaction of Particles with Matter
- Tracking Detectors, Calorimeters, Particle Identification
- Detector Systems