



UNIVERSITÀ
degli STUDI
di CATANIA

DIPARTIMENTO DI FISICA E ASTRONOMIA
“Ettore Majorana”

DOTTORATO DI RICERCA IN FISICA

ANNO ACCADEMICO 2019 - 2020

Experimental Setups for High Energy Physics
2 CFU

Teaching staff

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Reception hours:

Program of the course:

- HEP Detector Architecture
- Collider detectors vs fixed target ones
- Tracking principles and implementation
- Calorimeters for High Energy Physics
 - o Electromagnetic Calorimeters
 - o Hadronic Calorimeters
- Particle Identification through Cherenkov Detectors

Bibliography:

[1] C.Grupen, B.Shwartz , **Particle Detectors**, Cambridge University Press

[2] Course notes.