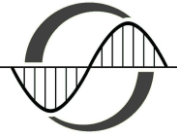




UNIVERSITÀ  
degli STUDI  
di CATANIA



DIPARTIMENTO DI FISICA E ASTRONOMIA  
“ETTORE MAJORANA”

DOTTORATO DI RICERCA IN FISICA  
CICLO XXXIX A.A. 2023/2024

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## Introduction to innovative particle detectors and data acquisition systems

2 CFU

### Teaching staff

**Name Surname: Mario Buscemi**

**Email:** mario.buscemi@dfa.unict.it

**Office:** DFA 215

**Reception hours:** Monday and Tuesday 15.00 – 17:00

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### Program of the course:

- Particle detectors and detection mechanisms
- Characteristics of multichannel detectors
- Digitized waveform processing
- Hints of programmable logic (PSoC, ASIC, FPGA)
- Hands-on training

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### Bibliography:

Scientific paper and slides provided by the teacher