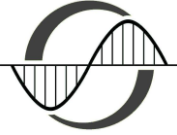




UNIVERSITÀ  
degli STUDI  
di CATANIA



DIPARTIMENTO DI FISICA E ASTRONOMIA  
“ETTORE MAJORANA”

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DOTTORATO DI RICERCA IN FISICA  
CICLO XL A.A. 2024/2025

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## TITLE

Analog and Digital Electronics for Modern Detectors

2 CFU

### Teaching staff

**Name Surname: Domenico Lo Presti**

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**Reception hours:** Wednesday 9-10 a.m.

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### Program of the course:

Solid State and Scintillation detectors, SiPM, Signal integration, Signal to Noise Ratio, Transmission lines, Operational Amplifiers, Preamplifiers, Shaper, Sample and Hold, ADC conversion, FPGA, Readout architectures for time and energy measurements

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### Bibliography:

Scientific paper and slides provided by the teacher