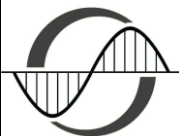




UNIVERSITÀ
degli STUDI
di CATANIA



DIPARTIMENTO DI **FISICA E ASTRONOMIA**
“**ETTORE MAJORANA**”

DOTTORATO DI RICERCA IN FISICA
CICLO XLI A.A. 2025/2026

TITLE

Analog and Digital Electronics for Modern Detectors

CFU 2

Teaching staff

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Reception hours: Wednesday 9-10 a.m.

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

Bibliography:

Scientific paper and slides provided by the teacher