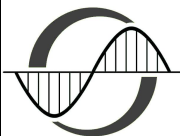




UNIVERSITÀ
degli STUDI
di CATANIA



DIPARTIMENTO DI FISICA E ASTRONOMIA
“ETTORE MAJORANA”

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

TITLE

Advanced topics in nuclear astrophysics

2 CFU

Teaching staff

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Reception hours: upon student request

Program of the course:

The R-matrix method in nuclear astrophysics

- a. Basic theory
- b. Applications to nuclear astrophysics
- c. Hands-on session

Bibliography:

Iliadis C., Nuclear Physics of Stars, Wiley (2015)