



UNIVERSITÀ
degli STUDI
di CATANIA



DIPARTIMENTO DI FISICA E ASTRONOMIA
“ETTORE MAJORANA”

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

TITLE

Advanced topics in nuclear astrophysics

2 CFU

Teaching staff: [L]
[SEP]

Nome Cognome: Marco La Cognata

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Reception hours: upon student request

Program of the course:

1. The R-matrix method in nuclear astrophysics
 - a. Basic theory
 - b. Applications to nuclear astrophysics
 - c. Hands-on session

Bibliography: [L] [SEP]

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