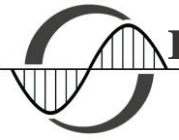




UNIVERSITÀ
degli STUDI
di CATANIA



DIPARTIMENTO DI FISICA E ASTRONOMIA
“ETTORE MAJORANA”

DOTTORATO DI RICERCA IN FISICA
ANNO ACCADEMICO 2021/2022

TITLE

Advanced topics in nuclear astrophysics

2 CFU

Teaching staff 

Nome Cognome: Marco La Cognata

Email: lacognata@lns.infn.it

Office: LNS

Telephone: +39 095 542 590

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

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