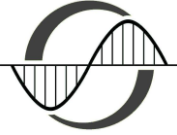




UNIVERSITÀ
degli STUDI
di CATANIA



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

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

Insights on Primordial nucleosynthesis

2 CFU

Teaching staff

Name Surname: Rosario Gianluca Pizzone

Email: rosario.pizzone@dfa.unict.it

Office: DFA 215

Reception hours: Thursday 9-11 upon student request

Program of the course:

- Introduction and Big Bang Chronology. Related observable.
 - Relic Nuclides observed: deuterium, helium and lithium.
 - The Big Bang Nucleosynthesis network: generalities and main features.
 - Calculating primordial elements yields from experimental reaction rates: the PRIMAT program. Examples
 - Open questions and perspectives
-

Bibliography:

Scientific paper and slides provided by the teacher
