

Session Program

4-9 Sept 2022



Nuclear Physics in Astrophysics - X

Thursday - Session 2

CERN, 500/1-001 - Main Auditorium

Thursday 8 September

11:00

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Session | **Location:** CERN, 500/1-001 - Main Auditorium | **Convener:** Dr Alberto Stefanini

11:00–11:30

New detection systems for an enhanced sensitivity in key stellar (n, γ) measurements

Speaker

Jorge Lerendegui Marco

11:30–11:45

Measurement of the $^{140}\text{Ce}(n,\gamma)$ cross section at n_TOF and astrophysical implications

Speaker

Simone Amaducci

11:45–12:00

The study of the $^{20}\text{Ne}(p,g)^{21}\text{Na}$ reaction at LUNA

Speaker

Sandra Zavatarelli

12:00–12:15

A new approach to β -decays studies impacting nuclear physics and astrophysics: the PANDORA setup

Speaker

Domenico Santonocito

12:15–12:30

Measurement of the bound-state beta decay of Thallium-205 and its implications on the fate of Lead-205 in the early solar system

Speaker

Ragandeep Singh Sidhu

12:30