

Session Program

6–11 Jul 2025



EPS-HEP 2025

T02

PALAIS DU PHARO, Marseille, France

Monday 7 July

14:00

T02

Session | Location: PALAIS DU PHARO, Marseille, France

14:00–14:17 Phenomenology of extended axion models

Speaker

Théo BRUGEAT

14:20–14:37 Entanglement Witnesses Mediated Via Axion-Like Particles

Speaker

Anupam Mazumdar

14:40–14:57 First searches for axion and dark photon dark matter with MADMAX

Speaker

Fabrice Hubaut

15:00–15:17 Liquid He tuning of dark matter axion haloscopes

Speaker

Mr Arthur Talarmin

15:20–15:37

Search for new physics in low energy electron recoil signals in LZ WS2022+2024 combined dataset

15:40–15:57 Searching for cosmic-ray antinuclei with the GAPS experiment

16:00

Tuesday 8 July

16:30

T02

Session | Location: PALAIS DU PHARO, Marseille, France

16:30–16:47

Blazar-boosted dark matter: a cosmic accelerator for dark matter particle detection

Speaker

Laura Manenti

16:50–17:07

Improving constraints on asymmetric dark matter from neutron stars

Speaker

Drona Vatsyayan

17:10–17:27

A dark matter direct detection search in DarkSide-20k

17:30–17:47

Results from and Status of the LUX-ZEPLIN Experiment

Speaker

Amy Cottle

17:50–18:07

Latest results from the XENONnT experiment

Speaker

Paloma Cimental Chavez

18:10–18:27

Recent Results from PICO-40L and the Future of the PICO Dark Matter Search

18:30

Wednesday 9 July

08:30

T02

Session | Location: PALAIS DU PHARO, Marseille, France

08:30–08:47

Constraining self-interacting scalar field dark matter with strong gravitational lensing?

08:50–09:07

GeV scale strongly-interacting dark sectors at beam dump experiments

Speaker

Nicoline Hemme

09:10–09:27

ANUBIS: Projected Sensitivities and Initial Results from the proANUBIS demonstrator with Run 3 LHC data

09:30–09:47

COmpact DEtector for EXotics at LHCb: CODEX-b

Speaker

Vladimir GLIGOROV

09:50–10:07

FORMOSA: looking forward to millicharged particles at the LHC

10:10–10:27

Lohengrin — a proposed experiment in the search for dark bremsstrahlung and a portal to the dark sector

10:30

Thursday 10 July

08:30

T02

Session | Location: PALAIS DU PHARO, Marseille, France

08:30–08:47 **New Directions in Inelastic Dark Matter**

Speaker

Giovani Dalla Valle Garcia

08:50–09:07 **Neutrino constraints on inelastic dark matter captured in the Sun**

Speaker

Ina Sarcevic

09:10–09:27 **The SABRE South Experiment at the Stawell Underground Physics Laboratory**

Speaker

Irene Bolognino

09:30–09:47 **The CYGNO experiment, a Gaseous TPC for directional Dark Matter searches**

09:50–10:07 **The CRESST experiment for Light Dark Matter Search**

10:10–10:27 **Light Dark Matter Searches with Spherical Proportional Counters**

Speaker

Patrick Knights

10:30

Friday 11 July

08:30



10:30

T02	
Session	Location: PALAIS DU PHARO, Marseille, France
08:30–08:47	keV sterile neutrino dark matter together with large neutrino mass in cosmology from a dark sector Speaker Cristina Benso
08:50–09:07	Constraints on the Dark Sector from Electroweak Precision Observables Speaker Bill Loizos
09:10–09:27	Long lived particle searches at FASER
09:30–09:47	Search for $B \rightarrow B^0 s$ Mesogenesis and Dark matter at BABAR.
09:50–10:07	Status of the MilliQan Experiment during Run 3 Speaker Juan Salvador Tafoya Vargas
10:10–10:27	The DarkSide-20k experiment for WIMPs direct detection and its Photon Detection System