

Session Program

1-5 Jun 2026



Identification of Dark Matter 2026

Parallel Session - Indirect Detection / Astro

Paraninfo, University of Zaragoza

Monday 1 June

11:30

Parallel Session - Indirect Detection / Astro

Session | **Location:** Pedro Cerbuna | **Convener:** Juande Zornoza

11:30–11:50

Constraints to sub-GeV dark matter interactions with galactic neutrino observations

Speaker

Jorge Terol Calvo

11:50–12:10

The First Flight of the GAPS Antarctic Balloon Mission: Searching for Dark Matter with Cosmic Antinuclei

Speaker

Kaliroe Pappas

12:10–12:30

WIMP Dark Matter Searches from the Galactic Centre with KM3NeT/ORCA

Speaker

Adriana Bariego Quintana

12:30–12:50

Probing Dark Matter in the Galactic Center with CTAO: Sensitivity and Morphology Insights

Speaker

Jaume Zuriaga-Puig

12:50–13:10

Probing heavy dark matter with the KM3-230213A event

Speaker

Dr Alfonso Garcia-Soto

13:10–13:30

Detecting light axions from supernovae in nearby galaxies

Speaker

Francesca Lecce

13:30

15:00

Parallel Session - Indirect Detection / Astro

Session | **Location:** Pedro Cerbuna | **Convener:** Miguel A. Sanchez Conde

15:00–15:20

Legacy analysis of Milky Way dwarf spheroidal satellite galaxies: an update

Speaker

Antonio Circiello

15:20–15:40

An Exciting Dark Matter Solution to the MeV Galactic Anomalies

Speaker

Shyam Balaji

15:40–16:00

Combined Gamma-Ray Constraints on WIMP Dark Matter from Milky Way Dwarf Spheroidal Galaxies

Speaker

Javier Rico

16:00–16:20

Stellar streams as targets for indirect dark matter searches**Speaker**

Cristina Fernandez Suarez

16:20–16:40

Probing Dark Photon Dark Matter with CTAO**Speaker**

Júlia Mamprim

16:40

Tuesday 2 June

11:30

Parallel Session - Indirect Detection / Astro

Session | **Location:** Pedro Cerbuna | **Convener:** Pedro De la Torre Luque

11:30–11:50

Probing the neutrino fog with XENONnT: CE ν NS, light WIMPs, and BSM- ν physics with a 6.77 t $\times$ yr exposure

Speaker

Giovanni Volta

11:50–12:10

Dark Recipe for the First Giants: From Population III Stars to Early Supermassive Black Holes via Dark Matter Capture

Speaker

Debajit Bose

12:10–12:30

Analyzing Fermionic Dark Matter scenarios with anomalous compact objects

Speaker

Yaiza Cano

12:30–12:50

Cosmic-ray antinuclei in dark matter searches: Insights from collider data

Speaker

Jordan Koechler

12:50–13:10

Spikes in Milky Way X-ray binaries

Speaker

Francesca Scarcella

13:30