Session Program

11–15 Jan 2027

From Gaia to GaiaNIR - Science from Precision Astrometry Across the Universe and Beyond the Extinction Barrier

The Milky Way as a galaxy

Monday 11 January

16:15

The Milky Way as a galaxy: Dynamics

Session

16:15–16:45 **10 years of Galactic dynamics with Gaia**

Speaker
Neige Frankel

16:45–17:05

The Milky Way through Gaia's eyes: recent findings on the spiral arms and the warp

Speaker
Dr Eloisa Poggio

17:05–17:25

Tidal interactions induce vertical asymmetries in the LMC bar and disk

Speaker
Shuyu Wang

17:25–17:45

Tracing the Dynamical History of the Milky Way Disc - Impact of Gaia-Sausage-Enceladus Merger and Bar Formation

Speaker
Natsuki Funakoshi

17:45–18:00 **Lost in the thin disc: the metal-poor stars in the Galactic plane**

Speaker
Dr Arthur Alencastro Puls

18:00

Tuesday 12 January

09:00

The Milky Way as a galaxy: Satellites and accretion history

Session

09:00–09:30

Do streams give a consistent shape of the Milky Way's dark matter halo?

Speaker
Denis Erkal

09:30–09:50

Tracing the Impact of LMC–SMC Interactions with Gaia: LMC Kinematics and the Bridge

Speaker
Ms Marie Schölch

09:50–10:05

A spatially extended and kinematically distinct foreground stellar population in the Small Magellanic Cloud

Speaker
Charis Tsakonas

10:05–10:20

A two-stage settling of the Milky Way disk revealed by precise ChronoGal ages

Speaker
David Mirabal

10:20

10:55

The Milky Way as a galaxy: Structure and evolution

Session

10:55–11:25

The Milky Way's Dust in 3D: A Decade of Gaia and the Road to GaiaNIR

Speaker
Thavisha Erandinie Dharmawardena

11:25–11:45

Interstellar Extinction in the Gaia XP Era: From DR3 to DR4 and Beyond

Speaker
Alejandro Martín Escabia

11:45–12:00

The disturbed and dusty outer disc of the Milky Way

Speaker
Paul McMillan

12:00–12:15

A 3D view of molecular cloud kinematics out to 2.5 kpc with Gaia DR3

Speaker
Xabier Pérez Couto

12:15–12:30

Do young tracers agree on the Milky Way spiral pattern?

Speaker
M Carmen Sánchez Gil

12:30–12:45 **Modelling the Last Major Merger that Shaped the Milky Way**

Speaker
Istiak Akib

12:45–13:00
Invariant Manifolds in the Gaia Era: From Galactic Bars to Interacting Satellites

Speaker
Toni Soler-Terricabras

13:00