Session Program

11–15 Jan 2027

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

Gaia fundamentals

Thursday 14 January

10:00

Gaia fundamentals: Space and time I

Session

10:00–10:30

Search for Continuous Gravitational Waves in Astrometric Residuals of Gaia

Speaker
Robin Geyer

10:30

11:00

Gaia fundamentals: Space and time II

Session

11:00–11:15

Astrometric microlensing black hole discoveries with Gaia and GaiaNIR

Speaker
Lukasz Wyrzykowski

11:15–11:30

Combining astrometry with pulsar timing for the first joint GW analysis in the pHz regime

Speaker
Lorenzo Filipello

11:30–11:45

Unbiased distances for unresolved binary Cepheids in Gaia DR4

Speaker
Katia Sivkova

11:45

11:45

Gaia fundamentals: AGN and reference frame I

Session

11:45–12:15

Celestial Reference Frames in the Era of Gaia

Speaker
Nathan Secrest

12:15–12:35

The scientific contents of Gaia-CRF4

Speaker
Enrico Gerlach

12:35–12:55

Binary and Offset AGN Through Gaia Astrometry and Multiwavelength Analysis

Speaker
Konstantinos Zafeiropoulos

12:55

14:30

Gaia fundamentals: AGN and reference frame II

Session

14:30–14:50

From Distributions to Ranks: Astrometric Properties of Gaia DR3 Quasars and a Source-Level Score

Speaker

Devika Parathattil Babu

14:50–15:05

The U.S. Naval Observatory VLBI Light curve Catalog (UVLC): Contributions from Gaia and Looking Forward to the NIR

Speaker

Kyle Corcoran

15:05