Session Program

15–18 Dec 2026



Congresso Nazionale Oggetti Compatti XIV

Neutron star X-ray binaries

Thursday 17 December

09:30

Neutron star X-ray binaries

Session

09:30–09:50

Multi-Diagnostics of Accreting X-ray Pulsars from Disks onto Magnetospheres to Columns onto Surfaces

Speaker
Christian Malacaria

09:50–10:10

How Supergiant Donor Dictates the High Mass X-ray Binary Behavior

Speaker
Lara Sidoli

10:10–10:20

The increasing family of the persistent Be X-ray binaries

Speaker
Nicola La Palombara

10:20–10:30

Probing the Three-Dimensional Disc Wind of Hercules X-1

Speaker
Dr Francesco Barra

10:30

11:00

Neutron star X-ray binaries

Session

11:00–11:10

OPAL in the X-ray Sky: Unveiling the Nature of X-ray Pulsators

Speaker
GianLuca Israel

11:10–11:30

Back and forth between accretion and rotation power: Tackling the diversity of millisecond pulsars across the spectrum

Speaker
Giulia Illiano

11:30–11:40

The fast optical/UV sky: from coherent pulsations to millisecond bursts

Speaker
Arianna Miraval Zanon

11:40–11:50

Accreting Millisecond X-ray Pulsars: an Observational View of Accretion, Pulsations and Intermittency

Speaker
Andrea Sanna

11:50–12:00
Probing the origin of optical and UV pulsations in the accreting millisecond pulsar SAX J1808.4-3658

Speaker
Caterina Ballocco

12:00–12:10 **The Aql X-1 2024 outburst from dawn ‘til dusk**

Speaker
Alessio Marino

12:10–12:20 **Quando l’outburst fa cilecca: the 2025 misfired event in Aql X-1**

Speaker
Kevin Alabarta Jativa

12:20–12:30
The Sleepwalking LMXB Cen X-4 — An Optical and X-ray View of Accretion Flow Variability Through Flares and Quiescence

Speaker
Marco Maria Messa

12:30

16:30
Neutron star X-ray binaries
Session

16:30–16:40
X-ray polarization variability as a probe of the accretion flow geometry in NS-LMXBs

Speaker
Alessandro Di Marco

16:40–16:50 **The first IXPE view of the eclipsing ADC source 4U 1822-37**

Speaker
Alessio Anitra

16:50–17:00
Orbital Dynamics and Disc Reflection in 4U 1624−490: Insights from XRISM and NuSTAR

Speaker
rosario iaria

17:00