



# ASTRAL-X

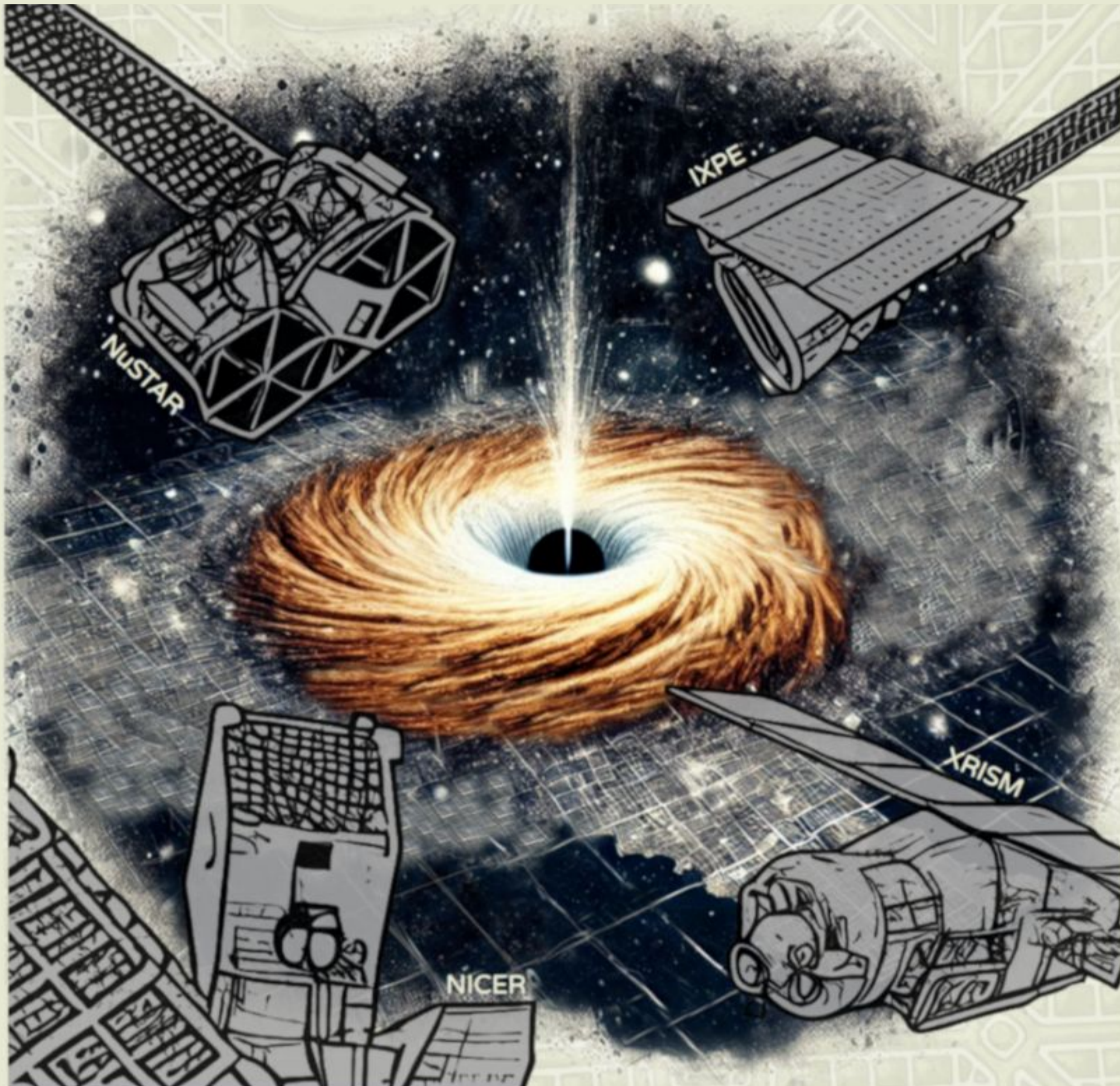
## X-RAY ASTRONOMY SCHOOL



<https://congresos.unlp.edu.ar/astralx/>

[astral.x.workshop@gmail.com](mailto:astral.x.workshop@gmail.com)

### Joint IAU I-HOW and COSPAR Capacity Building Workshop



Intensive X-ray astrophysics programme for Latin American students and early career researchers, with hands-on training on **XRISM**, **NICER**, **IXPE**, **NuSTAR**, *machine learning tools and theory*.

**Advanced Spectral-Timing, Polarimetry, and High-Resolution Spectroscopy X-ray School for Latin-America**

**DECEMBER 1-12, 2025  
LA PLATA | ARGENTINA**

#### Scientific Organizers

J. García (NASA), F. García (IAR-UNLP), J. Combi (IAR-UNLP), K. Kruse-Madsen (NASA), M. Méndez (RUG), D. Altamirano (SOTON), P. Benaglia (IAR), M. Orellana (UNRN), M. V. del Valle (IAG, USP), C. Gabriel (ESA), M. Guainazzi (ESA), R. Nemmen (IAG, USP), A. Cardenas-Avedaño (LANL), Y. Diaz (UDP), V. Lopez-Barquero (UMD), A. Castro (UNAM), E. López (EPN), E. Gatuuz (MPE), P. Arévalo (UV).

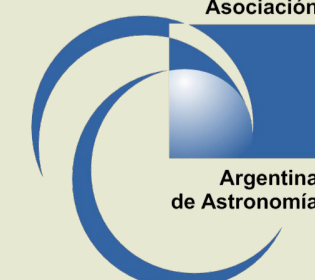
#### Local Organizers

F. García (IAR-UNLP), J. Combi (IAR-UNLP), C. Bellavita (IAR-UNLP), E. Saavedra (IAC), E. Zubieta (IAR), F. Fogantini (IAR), G. Mancuso (IAR), N. Cruz Sánchez (UNLP), L. West Ocampo (UNLP), E. Marcel (UNLP), F. Albacete Colombo (UNRN)

#### International Lecturers

Diego Altamirano (SOTON)  
Keith Arnaud (Maryland)  
Kavitha Arur (UMBC/NASA)  
Matteo Bachetti (INAF)  
Eric Burns (LSU)  
Alejandro Cárdenas (WFU)  
Adam Foster (CfA)  
Carlos Gabriel (COSPAR)  
Cecilia Garraffo (CfA)  
Victoria Grinberg (ESA)  
Matteo Guainazzi (ESA)

Jeremy Hare (NASA)  
Elias Kammoun (Caltech)  
Kristin Kruse-Madsen (NASA)  
Mariano Mendez (RUG)  
Michela Negro (LSU)  
Michael Nowak (McDonnell)  
Andrew Ptak (NASA)  
Gustavo Romero (IAR-UNLP)  
James Steiner (CfA)  
Dan Wilkins (Stanford)  
George Younes (UMBC/NASA)



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