

Galactic Frontiers 2026

Advancing X-Ray Astronomy in a Multiwavelength Universe
June 15–17, 2026 | Physikzentrum Bad Honnef, Germany

Day 1 (Monday, June 15, 2026)

Morning Session: Stars & Stellar Evolution

Time	Speaker	Title
08:30–08:45	Werner Becker/Manami Sasaki	Welcome & Introduction
08:45–09:00	Stefan Jordan	The WE-Heraeus Foundation
09:00–09:45	Christian Schneider (University of Kiel, Germany)	Invited Talk (40+5)
09:45–10:30	Yaël Nazé (University of Liège, Belgium)	Invited Talk (40+5)
10:30–11:00		Coffee Break
11:00–11:20	Sebastian Freund	Coronal and chromospheric activity observed by eROSITA and Gaia
11:20–11:40	Bhawna Mukhija	Multiple Giant Eruptions in Massive Stars Before Core Collapse
11:40–12:00	Gloria Sala	The X-ray future of nova explosions
12:00–12:30	NN	Poster Flash Talks

Afternoon Session: Compact Objects

Time	Speaker	Title
14:00–14:45	Anna Watts (University of Amsterdam, The Netherlands)	Invited Talk (40+5)
14:45–15:30	Marta Burgay (INAF Cagliari, Italy)	Invited Talk (40+5)
15:30–16:00		Coffee Break
16:00–16:20	Bettina Posselt	Faint but important - the role of UVOIR observations in understanding neutron star physics

16:20–16:40	Hsiang-Kuang Chang	Observational correlations among spectral properties of X-ray and gamma-ray emissions from pulsars
16:40–17:00	Sayantana Bhattacharya	Multiwavelength Characteristics of The Wolf-Rayet + Black Hole High Mass X-ray Binary : IC 10 X-1
17:00–17:20	Chuanyu Wei	How do the thermonuclear X-ray bursts affect the accretion flow?
17:20–18:00	NN	Poster Flash Talks

Day 2 (Tuesday, June 16, 2026)

Morning Session: Supernova Remnants

Time	Speaker	Title
09:00–09:45	Robert Fesen (Dartmouth College, USA)	Invited Talk (40+5)
09:45–10:30	Anne Decourchelle (CEA Paris-Saclay, France)	Invited Talk (40+5)
10:30–11:00		Coffee Break
11:00–11:20	Silvia Mantovanini	SNR Searches with SKA Precursor Radio Surveys
11:20–11:40	Miroslav Filipovic	The future is here! Diprotodon's, Potoroo's, ORC's and other new wonders of radio surveys.
11:40–12:00	Manan Agarwal	Latest XRISM Insights into the Explosion Asymmetry and Ejecta Composition of Cassiopeia A
12:00–12:30	NN	Poster Flash Talks

Afternoon Session:

14:00–14:20	Dominique Meyer	Plerionic supernova remnants of defunct massive stars: linking models with multi-wavelengths observations
14:20–14:40	Marie Prucker	Hydrodynamic Simulations of the Supernova Remnant Puppis A with PLUTO

Observations of Extended Galactic Structures by International Amateur Astronomy Networks

Time	Speaker	Title
14:40–15:30	Steeve Body / Tim Schaeffer (New Horizon Team, Australia)	Invited Talk (40+10)
15:30 – 16:00		Coffee Break
16:00–16:50	Rainer Raupach (Capella Team, Germany)	Invited Talk (40+10)
16:50–17:20	NN	Poster Flash Talks
17:20–18:00		Poster Session

Day 3 (Wednesday, June 17, 2026)

Morning Session: Interstellar Medium and Galactic Diffuse Emission

Time	Speaker	Title
09:00–09:45	Mike Yeung (MPE, Garching, Germany)	Invited Talk (40+5)
09:45–10:30	Martin Mayer (FAU, Erlangen, Germany)	Invited Talk (40+5)
10:30–11:00		Coffee Break
11:00–11:20	Jürgen Kerp	Fueling the Milky Way's star formation
11:20–11:40	Mohammadreza Ayromlou	The baryon redistribution within and beyond the halo boundary in simulations and observations
11:40–12:00	Sanskriti Das	Thermal, chemical, and kinematic anomalies of the "hot" circumgalactic medium of our Galaxy
12:00–12:20	Anjali Gupta	Super-solar Nitrogen and Large-Scale Feedback in the Milky Way CGM

Afternoon Session: Population Studies of Galactic Sources

Time	Speaker	Title
14:00–14:45	Elias Kyritsis (University of Crete / MPE)	Invited Talk (40+5)
14:45–15:30	Antara Basu-Zych (NASA / UMBC, USA)	Invited Talk (40+5)
15:30–16:00		Coffee Break
16:100–16:20	Chandreyee Maitra	The population of X-ray emitting compact stars in the Magellanic system detected during the eROSITA all-sky survey
16:20–16:40	Jan Kurpas	Growing the population of thermally emitting isolated neutron stars with SRG/eROSITA
16:40–17:100	Sandro Mereghetti	Magnetars beyond the Local Group
17:00–17:30	NN	Poster Flash Talks
17:30–18:30		Poster Session

Day 4(Thursday, June 18, 2026)

Time	What:	Who:
09:00	Excursion to the 100m Radio Telescope in Effelsberg	Preregistered participants

REM: Flash talks are 2 min per poster, 45 posters = 90 min in total