

MONDAY, 5 DECEMBER

International Workshop on Astronomical X-Ray Optics 2022

18:30–19:00	Registration
19:00–23:00	Welcome reception



TUESDAY, 6 DECEMBER

International Workshop on Astronomical X-Ray Optics 2022

08:45–09:00	Registration
-------------	---------------------

Session chair: Rene Hudec

09:00	Opening workshop and Welcome notes	
09:00–09:05	Rene Hudec	Welcome note
09:05–09:15	Michal Bursa	Director of Astronomical Institute
09:15–09:25	Zbyněk Škvor	Vice-Rector of the Czech Technical University in Prague
09:25–09:45	Václav Kobera	Ministry of Transport: Space Activities in the Czech Republic
09:45–10:00	Rene Hudec	AXRO 2022 introduction and historical background
10:00–10:20	Coffee break	

Session chair: Peter Friedrich

10:20–10:40	OPT	Andrzej Bartnik	EUV optical systems for laboratory, plasma – based radiation sources: investigation of EUV induced plasmas
10:40–11:05	OPT	Fabien Grisé	Electron-beam enabled optics
11:05–11:35	OPT	Dan Schwartz	Using a Gravitational Lens as the Ultimate X-ray Telescope.
11:35–11:55	OPT	Richard Willingale	How can we achieve diffraction limited imaging of the X-ray sky?
11:55–12:15	OPT	Vadim Burwitz	Testing X-ray optics at PANTER in the AHEAD2020 context
12:15–13:30	Lunch		

Session chair: Richard Willingale

13:30–13:55	OPT	Vincenzo Cotroneo	Advances in novel overcoatings for soft X-ray reflectivity enhancement
13:55–14:20	OPT	Thorsten Döhring	Testing of lobster-eye type telescopes with X-rays and visible light
14:20–14:40	OPT	Veronika Stieglitz	Characterisation of lobster eye optics and investigation of alternative PSF bases
14:40–15:00	OPT	Carsten Stock	Holographic soft X-ray and EUV gratings – recent progress
15:00	End of Day		

16:30–18:30	Guided tour to astronomical Prague (see Conf. Book p. 38)		
18:30–22:00	Conference dinner in Restaurant U Špírků (see Conf. Book p. 38)		

WEDNESDAY, 7 DECEMBER

International Workshop on Astronomical X-Ray Optics 2022

09:45–10:00	Registration
-------------	--------------

Session chair: Andrzej Bartnik

10:00–10:20	OPT	Vojtěch Šimon	The LOBSTER-EYE monitor - Perspectives of the soft X-ray observing the Galactic center region
10:20–10:40	OPT	Vladimír Tichý	LOPSIMUL - quick numerical simulator of multi-foil reflective optical systems
10:40–11:00	OPT	Rene Hudec	Novel Lobster Eye and Kirkpatrick Baez modules based on Multi Foil Technology: design, assembly and tests
11:00–11:20	OPT	Nicolas Barrière	Silicon Pore Optics X-ray mirror development for the Athena telescope
11:20	End of X-ray Optics Session		
11:20–11:40	Coffee break		

Session chair: Randall McEntaffer

11:40–12:10	DET	Carlos Granja	X ray imaging with spectral and photon counting response with Timepix3 and Timepix2 radiation cameras
12:10–12:30	DET	James Tutt	The tREXS focal plane camera
12:30–12:50	DET	Charly Feldman	The VTF - 4 years of experimental physics
12:50–13:10	DET	Bianca Salmaso	BEaTriX, the new facility to test the ATHENA Mirror Modules
13:10–14:15	Lunch		

Session chair: Charly Feldman

14:15–14:35	DET	Henryk Fiedorowicz	Laser plasma radiation source as a tool for testing X-ray and EUV optics
14:35–15:05	DET	Jaroslav Nejdľ	Laser-driven X-ray sources at ELI Beamlines for science and metrology
15:05	End of X-ray Detectors and Test Facilities Session		
15:05–16:05	Coffee break + Poster Session		

Session chair: Vadim Burwitz

16:05–17:05	Round table (Optics/Detectors/Facilities)		
17:05–17:20	Coffee break		

Session chair: Drew Miles

17:20–17:40	MIS	Jakub Řípa	GRBA α and VZLUSAT-2 CubeSats Observing the Gamma-Ray Sky
17:40–18:00	MIS	Vladimír Dániel	CubeSat microsatellite demonstrator with X-ray optical payload
18:00	End of Day		

THURSDAY, 8 DECEMBER

International Workshop on Astronomical X-Ray Optics 2022

Session chair: Lorenzo Amati

09:00–09:40	MIS	Randall McEntaffer	The Off-plane Grating Rocket Experiment (OGRE)
09:40–10:00	MIS	Alan Garner	Status of the Rocket Experiment Demonstration of a Soft X-ray Polarimeter (REDSOX)
10:00–10:20	Coffee break		

Session chair: Thorsten Döhring

10:20–10:40	MIS	Daniel Ryan	New Demands of X-ray Imaging Systems in High-Energy Solar Physics
10:40–11:00	MIS	Drew Miles	An extended-source grating spectrograph for suborbital rockets and small satellites
11:00–11:25	MIS	Lorenzo Amati	The X/Gamma-ray Imaging Spectrometer (XGIS) for THESEUS and other opportunities
11:25–11:40	Coffee break		

Session chair: Alan Garner

11:40–12:05	MIS	Lorenzo Amati	The Transient High-Energy Sky and Early Universe Surveyor (THESEUS)
12:05–12:30	MIS	Peter Friedrich	X-ray test and calibration of the Einstein Probe Follow-up telescope
12:30–13:45	Lunch		

Session chair: James Tutt

13:45–14:05	MIS	Charly Feldman	The MXT instrument on SVOM
14:05–14:50	MIS	Peter Predehl	The eROSITA X-ray All-sky Survey
14:50–15:10	MIS	Charly Feldman	LEIA - First wide field-of-view X-ray observations by a lobster eye focusing telescope in orbit
15:10	End of X-ray Missions Session		
15:10–15:30	Coffee break		

Session chair: Peter Predehl

15:30–16:30	Round table (X-ray Missions)		
16:30	End of Day		

18:00–22:00	Mysterious Faust House with dinner (see Conf. Book p. 39)		
-------------	--	--	--

FRIDAY, 9 DECEMBER

International Workshop on Astronomical X-Ray Optics 2022

Session chair: **Dan Schwartz**

10:00–10:25	AST	Martin Jelínek	Gamma-ray burst of September 19, 2019: Flare and bump solution
10:25–10:50	AST	Gabriel Török	The mass, spin and rapid X-ray variability of accreting compact objects
10:50–11:15	AST	Vladimir Karas	Spectral signatures from evolving black hole accretion rings
11:15	End of X-ray and High-Energy Astrophysics Session		
11:15–11:30		Dan Schwartz	Concluding remarks
11:30–11:45		Rene Hudec	Concluding address
11:45–13:00	Lunch		
13:00	End of workshop		



**THANK YOU
VERY MUCH
AND
SEE YOU
NEXT TIME**

