

Session Program

21-25 Sept 2026

HERA 2026

WE-HERAEUS-EAS WORKSHOP FOR EARLY
CAREER RESEARCHERS IN ASTRONOMY

BLACK HOLES

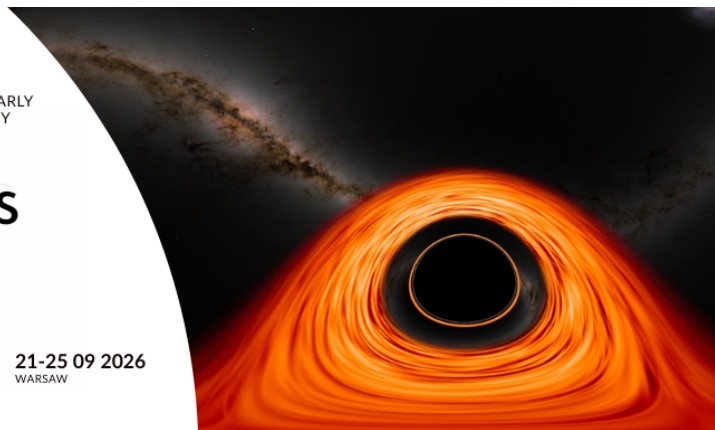
AT DIFFERENT FLAVOURS



WILHELM UND ELSE
HERAEUS-STIFTUNG



21-25 09 2026
WARSAW



**Black holes at different flavours - WE -
Heraeus - 2026 EAS Workshop for Early
Career Research in Astronomy**

ERC talks

Monday 21 September

11:30

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

11:30–11:50

Black Holes as Non-Abelian Anyon Condensates: Implications for the Information Paradox

Speaker

Sabin Roman

11:50–11:55

Discussion

11:55–12:15

Charged accretion Tori around Schwarzschild black hole: self-generated electromagnetic fields and their effect on disk structure

Speaker

Serena Gambino

12:15–12:20

Discussion

12:20–12:40

Properties and signatures of IMBH-TDEs in MOCCA Star Cluster Models

Speaker

Sakshi Maurya

12:40–12:45

Discussion

12:45

14:15

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

14:15–14:35

Radiative GRMHD simulations of stable sub-Eddington accretion discs

Speaker

Debora Lančová

14:35–14:40

Discussion

14:40–15:00

Energy Extraction Mechanisms and Plasmoid Dynamics in Black Hole Ergospheres: A GRMHD Study

Speaker

Ioannis Dimitropoulos

15:00–15:05

Discussion

15:05–15:25

The Role of X-ray Irradiation in the Variability of Unstable Black hole Accretion disks

15:30	Speaker Pulkit Ojha
16:00	15:25–15:30 Discussion
16:25	ERC talks Session Location: Bartycka 18, 00-716 Warsaw
	16:00–16:20 Powering the Transient Sky: Extreme Efficiency Jet Production in BH Accretion Speaker Antonios Nathanail
	16:20–16:25 Discussion

Tuesday 22 September

11:30

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

11:30–11:50 **Modeling the Multi-Wavelength Signature of Sagittarius A***

Speaker

Eleni Antonopoulou

11:50–11:55 **Discussion**

11:55–12:15

GRMHD accretion beyond the black hole paradigm: Light from within the shadow

Speaker

Saurabh Saurabh

12:15–12:20 **Discussion**

12:20–12:40

General relativistic effects at the heart of accreting Sgr A* light curve asymmetry

Speaker

Valentina Rosa

12:40–12:45 **Discussion**

12:45

14:15

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

14:15–14:35

Sgr A* Polarimetry with Spatially and Temporally Resolved Rotation Measure Maps

Speaker

Tintin Nguyen

14:35–14:40 **Discussion**

14:40–15:00

Spin estimations from lensing of hot spot around SMBHs: From empirical relations to machine learning

Speaker

Aristomenis Yfantis

15:00–15:05 **Discussion**

15:05–15:25

Ghosts of the Minispiral: modeling the hidden black hole population of the Galactic Center

15:30	Speaker Matúš Labaj
	15:25–15:30 Discussion
16:00	ERC talks Session Location: Bartycka 18, 00-716 Warsaw
	16:00–16:20 Direct observation of supermassive black hole binaries with spaceborne VLBI
	Speaker Ben Hudson
	16:20–16:25 Discussion
	16:25–16:45 Picosecond Intensity Interferometry to resolve accreting sources
	Speaker Gilles Koziol
16:50	16:45–16:50 Discussion

Wednesday 23 September

11:30

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

11:30–11:50

Accretion-powered flares from black-hole-disk collisions in galactic nuclei

Speaker

Joaquin Pelle

11:50–11:55

Discussion

11:55–12:15

AGN Disk Tensions from an Inconsistent α -Disk Closure (final closure)

Speaker

Mohamad H. Naddaf

12:15–12:20

Discussion

12:20–12:40

From spectral energy distribution to line suppression: probing the physics of the X-ray-weak WLQ SDSS J101353.45+492758.1

Speaker

Ms Laetitia Gibaud

12:40–12:45

Discussion

12:45

14:15

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

14:15–14:35

Ambiguous Nuclear Transients: A Novel, Mysterious, Highly Energetic Mode of SMBH Accretion

Speaker

Matthew Quilt

14:35–14:40

Discussion

14:40–15:00

State transitions in changing-look AGNs

Speaker

Mr Biswaraj Palit

15:00–15:05

Discussion

15:05–15:25

Magnetized inner disks explain Changing-Look AGN

Speaker

Marios Kouzis

15:30

15:25-15:30 **Discussion**

16:00

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

16:00-16:20

Disrupted Stars and/or Unstable Disks?: Two Challenging AGN Transients

Speaker

Marzena Sniegowska

16:20-16:25

Discussion

16:25-16:45

Geometry and Spectral Properties of the Warm Corona in AGN

Speaker

Parikshit Partha Biswas

16:45-16:50

Discussion

16:50-17:10

AT 2020xys: Discovery, Classification, and Multi-Wavelength Observations of a Bowen Fluorescence Flare in an AGN

Speaker

Joysankar Majumdar

17:10-17:15

Discussion

17:15

Thursday 24 September

11:30

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

11:30–11:50

On the maximum black hole mass from updated stellar wind prescriptions

Speaker

Alex Gormaz-Matamala

11:50–11:55

Discussion

11:55–12:15

Massive black hole formation in proto-clusters with the Obelisk simulation

Speaker

Kienan Latzke

12:15–12:20

Discussion

12:20–12:40

Beyond the first galaxies Primordial Black Holes shine

Speaker

Antonio Matteri

12:40–12:45

Discussion

12:45

14:15

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

14:15–14:35

Chemical Evolution and Ejecta Diversity in Post-Merger Black Hole Accretion Disk Outflows

Speaker

Mr Joseph Saji

14:35–14:40

Discussion

14:40–15:00

Constraints on modified gravity using gravitational waves

Speaker

Pawan Kumar Gupta

15:00–15:05

Discussion

15:05–15:25

Neutrino diffuse flux from magnetically-driven AGN coronae

Speaker

Despina Karavola

15:25–15:30

Discussion

15:30

Friday 25 September

11:30

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

11:30–11:50

Black hole jet reactivation through magnetic polarity reversal in GRMHD simulations

Speaker

Wen Xuan Sia

11:50–11:55

Discussion

11:55–12:15

General Relativistic Magnetohydrodynamic Simulations of Collapsars with Multipole Self-Gravity

Speaker

Piotr Płonka

12:15–12:20

Discussion

12:20–12:40

Testing relativistic jet models with the Event Horizon Telescope

Speaker

Jan Röder

12:40–12:45

Discussion

12:45–13:05

Centaurus A: Jet Chemical Enrichment and Ultra-High-Energy Cosmic-Ray Production

Speaker

Ana Laura Müller

13:05–13:10

Discussion

13:10

14:40

ERC talks

Session | **Location:** Bartycka 18, 00-716 Warsaw

14:40–15:00

Investigating magnetized outflows from rotating black holes

Speaker

Dr Bestin James

15:00–15:05

Discussion

15:05–15:25

Hybrid Modeling of Particle Acceleration in Astrophysical Jets

Speaker

Kaushik Satapathy

15:55

16:25

18:05

15:25-15:30 **Discussion**15:30-15:50 **Blueberry and Green Pea galaxies live in low density environments****Speaker**

Maitrayee Gupta

15:50-15:55 **Discussion****ERC talks****Session** | **Location:** Bartycka 18, 00-716 Warsaw

16:25-16:45

Intra-night optical variability of Blazars from high-cadence observations with the Large Array Survey Telescope (LAST)**Speaker**

Simone Garrappa

16:45-16:50 **Discussion**

16:50-17:10

Probing Relativistic Jets Through Multiwavelength Observations of Blazars**Speaker**

SANGEETHA KIZHAKKEKALAM

17:10-17:15 **Discussion**

17:15-17:35

Tracing Supermassive Black Hole Jet Activity from Sub-Kiloparsec to Megaparsec Scales in Giant Radio Galaxies using LOFAR and LOFAR-VLBI**Speaker**

SAGAR SETHI

17:35-17:40 **Discussion**

17:40-18:00

Microquasars observed in the γ -ray band :the parsec-scale outer jets of SS 433**Speaker**

Michelle Tsirou

18:00-18:05 **Discussion**