

## **Session Program**

**5-9 May 2025**

# **Relativistic Fluids around Compact Objects**

## ***Tuesday morning***

CAMK, sala wykładowa  
ul. Bartycka 18, Warsaw, Poland

## Tuesday 6 May

09:30

### Tuesday morning

**Session** | **Location:** CAMK, Lecture Room, Bartycka 18 | **Convener:** Agnieszka Janiuk

09:30–10:00

#### Numerical Simulations of Supercritical Accretion Flows Around a Compact Object

##### Speaker

Yuta Asahina

10:00–10:30

#### Quantum kinetics of neutrinos in dense astrophysical environments

##### Speaker

Hiroki Nagakura

10:30–10:45

#### Radiation hydrodynamical simulations of super-Eddington mass-transfer in close BH binaries

##### Speaker

Daisuke Toyouchi

10:45

11:15

### Tuesday morning

**Session** | **Location:** CAMK, Lecture Room, Bartycka 18 | **Convener:** Agnieszka Janiuk

11:15–11:45

#### General Relativistic Magnetohydrodynamic Simulations of Accretion Flows onto Merging Supermassive Black Holes

##### Speaker

Bruno Giacomazzo

11:45–12:15

#### MHD Simulations of Type I Bursts

##### Speaker

Yuri Cavecchi

12:15–12:30

#### Turbulence and magnetic configurations in neutron star interiors

##### Speaker

Brynmor Haskell

12:30–12:45

#### Magnetic field dynamics in isolated neutron stars: insights from GRMHD simulations

##### Speaker

Aurora Capobianco

12:45