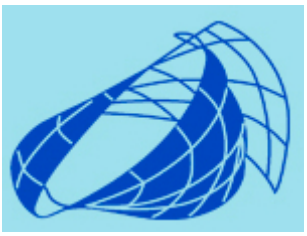
Session Program

Jul 5 – 10, 2021



Sixteenth Marcel Grossmann Meeting

Accretion Discs and Jets

Mon, July 5

4:30 PM

Accretion Discs and Jets: Block 1

Session | **Location:** Virtual Meeting | **Conveners:** Audrey Trova, Shokoufe Faraji

4:30 – 5:10 PM **Relativistic Jets from Spinning Black Holes**

Speaker
Prof. Ramesh Narayan

5:10 – 5:50 PM **Simulations of black hole accretion and jets**

Speaker
Alexander Tchekhovskoy

5:50 – 6:10 PM

The Nature of the X-ray Emission and Innermost Accretion Regions of Typical Radio-Loud Quasars

Speaker
William Brandt

6:10 – 6:30 PM

Measurement of Black Hole Spin with the Event Horizon Telescope: Theory of Radiative Echoes and VLBI Observations

Speaker
Kotaro Moriyama

6:30 – 6:50 PM

Accretion of the relativistic Vlasov gas onto a moving Schwarzschild black hole

Speaker
Patryk Mach

6:50 – 7:10 PM **Properties of accretion disk models with quadrupole**

Speaker
Shokoufe Faraji

7:10 – 7:30 PM **Limiting effects in tori clusters**

Speaker
Daniela Pugliese

7:30 PM

Wed, July 7

9:30 AM

Accretion Discs and Jets: Block 2

Session | **Location:** Virtual Meeting | **Conveners:** Shokoufe Faraji, Audrey Trova

9:30 – 10:10 AM **Ionized accretion disks orbiting magnetized black holes**

Speaker
Prof. Zdeněk Stuchlík

10:10 – 10:50 AM **Time-dependent Kerr discs and tidal disruption events**

Speaker
Steven Balbus

11:10 – 11:30 AM
Hydrodynamical instability with noise in the Keplerian accretion disks: modified Landau equation

Speaker
Subham Ghosh

11:30 – 11:50 AM **Electromagnetic fields in polish doughnut models**

Speaker
Eva Hackmann

11:50 AM – 12:10 PM
Advective accretion onto a non-spherical accretor in white dwarf and neutron star binaries: a new scenario of shock formation

Speaker
Sudeb Ranjan Datta

12:10 – 12:30 PM
Magnetized accretion disk structure in the background of an accelerating black hole

Speaker
Shokoufe Faraji

12:30 PM