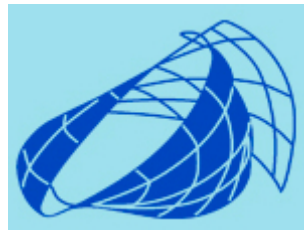


Session Program

Jul 5 - 10, 2021



Sixteenth Marcel Grossmann Meeting ***Theoretical and Observational Studies of*** ***Astrophysical Black Holes***

Tue, July 6

6:30 AM

Theoretical and Observational Studies of Astrophysical Black Holes: Block 1

Session | **Location:** Virtual Meeting | **Convener:** Alexander Zakharov

06:30 – 06:55

Physical black holes in semiclassical gravity

Speaker

Sebastian Murk

06:55 – 07:20

Shadows of hairy Kerr black holes and constraints from M87*

Speaker

Sushant Ghosh

07:20 – 07:45

Gravitational multipole moments for asymptotically de Sitter spacetimes

Speaker

Sumanta Chakraborty

07:45 – 08:10

Displacement memory and BMS symmetries

Speaker

Mr Shailesh Kumar

08:10 – 08:35

TWO-TEMPERATURE ACCRETION FLOWS AROUND COMPACT OBJECTS

Speaker

Shilpa Sarkar

08:35 – 09:00

Reconstruction of a star motion in the vicinity of black hole from the redshift of the electromagnetic spectrum

Speaker

Stanislav Komarov

09:00 – 09:25

Observation of a multimode quasi-normal spectrum from a perturbed black hole

Speaker

Julian Westerweck

9:30 AM

Wed, July 7

9:30 AM

Theoretical and Observational Studies of Astrophysical Black Holes: Block 2

Session | **Location:** Virtual Meeting | **Convener:** Alexander Zakharov

09:30 – 10:10

Emergence of Intrinsic Gravitational Modes Associated with Emissions of (GR) Gravitational Waves

Speaker

Prof. bruno coppi

10:10 – 10:50

GRAVITY: Optical/IR Interferometry and General Relativity in the Galactic Centre

Speaker

Odele Straub

10:50 – 11:10

Near-horizon particle collisions in spherically symmetric spacetimes

Speaker

Eva Hackmann

11:10 – 11:30

Super-Penrose process: classification of possible scenarios

Speaker

Prof. Oleg Zaslavskii

11:30 – 11:50

Chaos in the Gravitational Three-Body Problem

Speaker

Nathan Leigh

11:50 – 12:10

Three Extraordinary Theorems On Black Hole Rotation

Speaker

Prof. Yuan K. Ha

12:10 – 12:30

On the Gravitational Redshift Detection in the Nucleus of NGC 4258

Speaker

Alfredo Herrera Aguilar

12:30 PM