

National conference on REcent Trends in the study of Compact Objects (RETCO-V): Theory and Observation

Monday, April 3, 2023

Black Hole: Theory: Session 1 - Auditorium (9:00 AM - 10:30 AM)

-Conveners: Samir Mandal

time	[id] title	presenter
9:00 AM	[83] Do plasma composition affect physics around compact objects?	CHATTOPADHYAY, Indranil
9:30 AM	[93] Global structure of shock-induced general relativistic magneto-hydrodynamics accretion flows around black holes	MITRA, Samik
9:45 AM	[103] Viscous accretion flows around the black hole.	DEBNATH, Sanjit
10:00 AM	[79] Properties of relativistic hot accretion flow around rotating black hole with radially varying viscosity.	SINGH, Monu
10:15 AM	[60] Study of the relativistic accretion flow in a Kerr-Taub-NUT black-hole with shock	SEN, GARGI

Black Hole: Theory: Session 2 - Auditorium (11:00 AM - 12:50 PM)

-Conveners: Indranil Chattopadhyay

time	[id] title	presenter
11:00 AM	[135] Review of accretion: spherical to magnetized and disk accretion, and explaining soft to hard X-ray sources	MUKHOPADHYAY, Banibrata
11:30 AM	[133] 3D global General Relativistic MHD simulations of strongly magnetized thin accretion disks	MISHRA, Bhupendra
11:55 AM	[23] Three Dimensional Simulations of Advective, Sub-Keplerian Accretion Flow onto Non-rotating Black Holes	GARAIN, Sudip
12:20 PM	[110] Numerical simulation of radiatively driven jets around black holes.	JOSHI, RAJ KISHOR
12:35 PM	[138] Origin of core radio emissions from BH in the realm of relativistic shocked accretion flow	DAS, Santabrata