ASI 2019 – List of Abstracts in General Relativity and Cosmology

Firstname	Last Name	Conference ID	Affiliation	Title of the Abstract	Abstract Type
Avinash	Singh	ASI2019_313	IISER, Mohali	Growth of Structure in the Presence of Perturbed Tachyon Dark Energy	Oral
Ranbir	Sharma	ASI2019_96	IISER, Mohali	Dark energy equation of state reconstruction by Principal Component Analysis	Oral
SOUMEN	MONDAL	ASI2019_299	Jadavpur University, Kolkata	On the properties of dissipative shocks in relativistic accretion flows around black holes.	Oral
Suvedha	Naik	ASI2019_368	Manipal Centre for Natural Sciences MCNS, MAHE	Probing primordial features using red-shifted 21 cm line	Oral
Madhurima	Choudhury	ASI2019_147	IIT, Indore	Extracting the 21cm Global Signal using artificial neural networks	Oral
Prateek	Gupta	ASI2019_461	S P Pune University	Detection possibilities of 'Galaxy groups' using Numerical modelling of Radio emission & Large Scale Cosmological Simulation	Oral
Atanu	Guha	ASI2019_523	BITS Pilani, Goa Campus	Constraints on light Dark Matter fermions from relic density consideration, SN1987A cooling and the role of Tsallis statistics	Oral
Arun	Kenath	ASI2019_34	Christ (Deemed to be University), Bengaluru	Alternate to Dark Matter: MOND, MONG or MORG	Oral
Surajit	Kalita	ASI2019_207	IISc, Bengaluru	Modified gravity to unify sub- and super-Chandrasekhar limiting mass white dwarfs	Oral
Abhimanyu	Susobhanan	ASI2019_199	TIFR, Mumbai	The Indian Pulsar Timing Array Experiment	Oral
Kazuyuki	Furuuchi	ASI2019_373	Manipal Centre for Natural Sciences, MAHE	Weak Gravity Conjecture and Bottom-Up Inflation Model Building	Oral

Ajit	mehta	ASI2019_385	ICTS-TIFR, Bengaluru	Accurate inspiral-merger-ringdown gravitational waveforms for non-spinning black-hole binaries including the effect of subdomina	Oral
Soumen	Roy	ASI2019_496	IIT Gandhinagar	Ready to use effectual geometric-random hybrid template bank for LIGO's O3 searches	Oral
Haris	MK	ASI2019_497	ICTS-TIFR, Bengaluru	Identifying strongly lensed gravitational wave signals from binary black hole mergers	Oral
Safiqul	Islam	ASI2019_204	Harish-Chandra Research Institute, Allahabad	FRW bulk viscous cosmology with modified Chaplygin gas in flat space in (2+1)-dimensional space	Poster
Snehasish	Bhattacharjee	ASI2019_246	Osmania University, Hyderabad	Dark Matter Scaling Relations of Early Type Galaxies	Poster
Ashish	Meena	ASI2019_71	IISER, Mohali	Gravitational Lensing of Gravitational Waves	Poster
Manvendra	Rajvanshi	ASI2019_330	IISER, Mohali	Comparative study of nonlinear spherical perturbations in quintessence vs tachyon field dark energy models.	Poster
Sangita	Chatterjee	ASI2019_309	Jadavpur University,Kolkata	Impact of accretion disk on the gravitational wave-profile emitted from binary merger.	Poster
noel	jobu	ASI2019_378	Manipal Centre for Natural Sciences, MAHE	Causality constraints on effective field theories with gravitational interaction	Poster
Praveen	Kumar	ASI2019_395	Rashtrasant Tukadoji Maharaj Nagpur University, Na	Modied Chaplygin gas cosmology with bulk viscosity in (2+1)-dimensional spacetime	Poster
Kiren	OV	ASI2019_64	St Josephs Indian Composite PU College, Bengalore	Planet Nine: Testing ground for Dark Matter and Alternate Models	Poster
Louise	Rebecca	ASI2019_35	Christ Junior College, Bangalore	Dark matter density distributions and dark energy constraints on structure formation	Poster

Mandar	Patil	ASI2019_31	IIT Dharwad	Gravitational Lensing by Binary Black Holes	Poster
R	Tiwari	ASI2019_128	APS University, Rewa	Anisotropic cosmological model with strange Quark matter in modified theory of gravity	Poster
Parita	Mehta	ASI2019_387	ICTS-TIFR, Bengaluru	Understanding the astrophysical formation channels of binary black holes	Poster

✱✱✱✱✱✱✱✱✱✱✱✱✱✱✱