



# Mini School on Gravitation and Cosmology

November 24-26, 2022

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Department of Physics  
Indian Institute of Technology Madras  
Chennai 600036

## Schedule

### Day I, Thursday, November 24, 2022

Time	Speaker	Topic
08:15-08:45	Registration	
08:45-09:00	Inauguration	
09:00-10:00	Tanmoy Paul	General Relativity I
10:00-10:30	Coffee break	
10:30-11:30	Shiv Kumar Sethi	Cosmology I
11:30-12:30	Tanmoy Paul	General Relativity II
12:30-14:00	Lunch break	
14:00-15:00	Shiv Kumar Sethi	Cosmology II
15:00-15:30	Coffee break	
15:30-16:30	K. G. Arun	Special lecture I: Gravitational-wave Astronomy

### Day II, Friday, November 25, 2022

Time	Speaker	Topic
09:00-10:00	Aneesh Prema Balakrishnan	General Relativity III
10:00-10:30	Coffee break	
10:30-11:30	Dhiraj Kumar Hazra	Cosmology III
11:30-12:30	Aneesh Prema Balakrishnan	General Relativity IV
12:30-14:00	Lunch break	
14:00-15:00	Chandra Kant Mishra	Gravitational waves I
15:00-15:30	Coffee break	

15:30-16:00	Srinivasan Raghunathan	Special lecture II: Observing and interpreting the most ancient light in the universe
16:00-16:30	Sameer Choudhuri	Special lecture III: Seeing the universe through 21-cm radiation

### Day III, Saturday, November 26, 2022

Time	Speaker	Topic
09:00-10:00	Chandra Kant Mishra	Gravitational waves II
10:00-10:30	Coffee break	
10:30-11:30	Aneesh Prema Balakrishnan	General Relativity V
11:30-12:30	Dhiraj Kumar Hazra	Cosmology IV
12:30-14:00	Lunch break	
14:00-15:00	Chandra Kant Mishra	Gravitational waves III
15:00-15:30	Coffee break	
15:30-16:30	Tarun Souradeep	Special lecture IV: Gravitational wave science: Terrestrial and space based quests

### Speakers and affiliations

- K. G. Arun, Chennai Mathematical Institute, Chennai
- Aneesh Prema Balakrishnan, The Institute of Mathematical Sciences, Chennai
- Samir Choudhuri, Indian Institute of Technology Madras, Chennai
- Dhiraj Kumar Hazra, The Institute of Mathematical Sciences, Chennai
- Chandra Kant Mishra, Indian Institute of Technology Madras, Chennai
- Tanmoy Paul, Chandernagore College, Hooghly
- Srinivasan Raghunathan, University of Illinois at Urbana-Champaign, USA
- Shiv Kumar Sethi, Raman Research Institute, Bengaluru
- Tarun Souradeep, Raman Research Institute, Bengaluru