

Session Program

6-9 Dec 2023



10th International Conference on Gravitation and Cosmology: New Horizons and Singularities in Gravity (ICGC 2023)

Plenary

IIT Guwahati

Wednesday 6 December

10:00

Plenary

Session | Location: IIT Guwahati | Convener: Sayan Kar

10:00-10:45

Binary Neutron Stars: from macroscopic collisions to microphysics

Speaker

Luciano Rezzolla

10:45

11:15

Plenary

Session | Location: IIT Guwahati | Convener: Urjit Yajnik

11:15-12:00

Free-falling in Quantum Spacetime

Speaker

Maulik Parikh

12:00-12:45

LIGO observations and future with LIGO India

Speaker

Surabhi Sachdev

12:45

Thursday 7 December

09:30

Plenary

Session | **Location:** IIT Guwahati | **Convener:** Anjan ananda Sen

09:30-10:15

Ultra-long wavelength gravitational waves with pulsar timing array

Speaker

Bhal Chandra Joshi

10:15-11:00

Theoretical developments in modeling cosmological structure formation

Speaker

Aseem Paranjape

11:00

11:30

Plenary

Session | **Location:** IIT Guwahati | **Convener:** S Shankaranarayanan

11:30-12:15

Gravitational Wave Detectors (India): Present status & future plans

Speaker

Sendhil Raja

12:15-13:00

Hunting for gravitational waves in the era of cosmic dawn

Speaker

Pratika Dayal

13:00

Friday 8 December

09:30

Plenary

Session | **Location:** IIT Guwahati | **Convener:** Sukanta Bose

09:30-10:15

Gravitational Wave Paleontology: a new frontier to probe massive stars through cosmic history

Speaker

Floor Broekgaarden

10:15

11:45

Plenary

Session | **Location:** IIT Guwahati | **Convener:** Dr Prayush Kumar

11:45-12:30

Black hole thermodynamics in higher derivative theories of gravity

12:30

Saturday 9 December

09:30

11:00

Plenary

Session | Location: IIT Guwahati | Convener: Sarbari Guha

09:30-10:15 Do the Fundamental Constants change with Time?

Speaker
Nissim Kanekar

10:15-11:00
Cosmography with gravitational waves: from current detections to future observatories

Speaker
Archisman Ghosh