

PHYSICS WITHOUT FRONTIERS BANGLADESH

SCHOOL ON GENERAL RELATIVITY AND COSMOLOGY

28 MAY - 15 JULY 2025

**Register: indico.ictp.it/event/11010/
Deadline 14 MAY 2025**

This school will provide an introduction to General Relativity at MSc level. A pre-school will be provided to give an overview of the important concepts in special relativity. The School will commence with 8 x 2-hour lectures covering tensor calculus, the mathematics of curved spacetimes, and the basics of Einstein's theory of relativity. More advanced topics will then be covered, including an introduction to the theory of black holes and gravitational waves, and the basic FRW theory of cosmology, and ending with a brief summary of inflation.

Programme Coordinators:

Prof. Nabil Iqbal (Durham University, UK & University of Amsterdam, Netherlands)
Ahmed Rakin Kamal (Masaryk University, Czech Republic & Brac University, Bangladesh)
Sayed Tashnuba Jahan (Brac University, Bangladesh)
Mishaal Hai (University of Bologna, Italy)

Lecturers:

Prof. Nabil Iqbal (Durham University, UK & University of Amsterdam, Netherlands)
Prof. Nafiz Ishtiaque (IHES, Paris, France)
Hassaan Saleem (CUNY, New York, USA)
Luca Brunelli (University of Bologna, Italy)

Guest Speakers:

Prof. Clifford Burgess (Perimeter Institute & McMaster University, Canada)
Prof. Samir Mathur (Ohio State University, USA)



The Abdus Salam
**International Centre
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Physics Without Frontiers

