



United Nations
Educational, Scientific and
Cultural Organization



ICTP - East African Institute
for Fundamental Research
under the auspices of UNESCO

High Energy and Cosmology Seminar

Neutrinos as the key to the Universe as we know it

Speaker: **Prof. Yuval Grossman** (Cornell University, USA)

Date and time: **Friday, 30 June 2023, at 11:00 (GMT+2)**

Zoom Meeting ID: 824 6739 9094 Passcode: 083976



Abstract:

There are three open questions in physics that seem unrelated: Why is there only matter around us? How do neutrinos acquire their tiny masses? Why do all particles in Nature have integer electric charges? It turns out that these open questions are related. In this talk, I will explain these open questions, the connection between them, and describe the ongoing theoretical and experimental efforts in understanding them.

The seminar will be held in the conference hall on EAIFR's top floor (EINSTEIN Block, former "KIST2" Building, UR-CST, Nyarugenge campus), and will also be streamed via Zoom. We look forward to your participation!

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