

Astronomy Seminar



李政道研究所
TSUNG-DAO LEE INSTITUTE



Prof. Stefano Gariazzo
University of Turin

Standard and non-standard neutrino properties from cosmology

Time: 14:00-15:00, 19 November (Tuesday), Shanghai time

Venue: N600 (TDLI)

Host: Luca Visinelli

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Meeting ID: 352405838

Abstract:

In this seminar, I will review how current cosmological probes can constrain neutrino properties. Topics include the decoupling of neutrinos in the early universe, constraints on neutrino masses, and cosmological constraints on neutrino energy density in both standard and non-standard scenarios (e.g., non-standard interactions, neutrino decay, or alternative cosmological models).

Biography:

Prof. Stefano Gariazzo completed his PhD in Turin, Italy, under Dr. Carlo Giunti and Prof. Nicolao Fornengo. He has held fellowships at IFIC Valencia, Spain (Marie Curie Individual Fellowship), INFN (FELLINI project), and La Caixa Foundation (Junior Leader). Recently, he joined the University of Turin as Associate Professor.

