Contribution ID: **43** Type: **Regular talk**

Gravitational-Wave Signatures of Nonstandard Neutrino Properties in Collapsing Stellar Cores

Wednesday, 25 June 2025 14:30 (30 minutes)

Stellar core-collapses provide formidable conditions to probe new physics. Supernovae as one possible outcome of these events are driven by the transport of energy through neutrinos. In this talk I will present the result of numerical simulations in axial symmetry show how nonstandard neutrino interactions can lead to imprints in the gravitational wave signal of supernovae.

Please choose your topic

Compact Objects & Particles

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Session Classification: Particle physics from compact objects