## Particle Cosmology after Planck



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## High-energy astrophysical neutrinos as tests of Lorentz symmetry

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Lorentz invariance is a cornerstone of modern physics. Deviations from exact symmetry would radically change our view of the universe and current experiments allow us to test the validity of this assumption. In this talk, I will describe how the recent observation of high-energy astrophysical neutrinos can be used to constrain violations of Lorentz invariance.

Primary author: Dr JORGE S., Diaz (Karlsruhe Institute of Technology)

Presenter: Dr JORGE S., Diaz (Karlsruhe Institute of Technology)

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