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# Resonant neutrino self-interactions in cosmology

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Neutrino-neutrino dispersion models have gained popularity as potential solutions for reconciling the discrepancy between local measurements of the Hubble constant  $(H_0)$  and the model-dependent measurements derived from the cosmic microwave background radiation and other early Universe probes. This work addresses the current state of neutrino self-interactions, with a specific focus on the phenomenology associated with resonant interactions. We compare our results to existing limits on mediator mass, encompassing both extremely light and heavy scalar particles.

# Poster prize

Yes

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