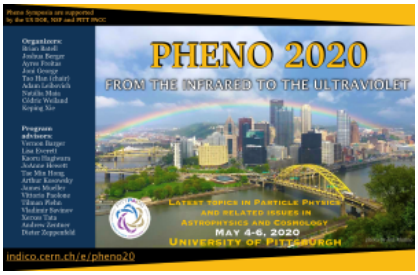


Contribution ID: **905** Type: **Parallel Talk**

# Gravitational Origin for Neutrino Masses

*Tuesday 5 May 2020 16:30 (15 minutes)*

We present a scenario where the smallness of neutrino masses is related to a global symmetry violation by quantum gravitational effects. We propose a setup that leads to axion particles which decay into neutrinos. This setup could be probed via cosmological measurements and may help explain the Hubble parameter tension. Depending on the details, the scenario could provide axion dark matter candidates.

## Summary

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**Session Classification:** Neutrinos III

**Track Classification:** Neutrinos