

# Investigating ultra-high-density equations of state through gravitational waves from binary neutron stars mergers

*Thursday, October 10, 2024 9:00 AM (50 minutes)*

After an introduction to the status of the field, I present our results on how to discriminate equations of state with a quark-hadron crossover with respect to EOSs with purely hadronic matter or with a first-order quark-hadron transition through gravitational waves emitted in binary neutron star mergers.

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