

Phenomenology 2018 Symposium



Contribution ID: 472

Type: **parallel talk**

Neutron Star Mergers Chirp About Vacuum Energy

Tuesday 8 May 2018 14:45 (15 minutes)

Observations of gravitational waves from neutron star mergers offer the first access to possible vacuum energy contributions of new QCD phases at large densities. Measurements of this sort have the potential to turn neutron stars into laboratories for fundamental physics: they can provide a new test of the gravitational properties of vacuum energy, and determine the size of the QCD contributions to vacuum energy.

Summary

Authors: CSÁKI, Csaba (Cornell University); ERÖNCEL, Cem (Syracuse University); HUBISZ, Jay (Syracuse University); RIGO, Gabriele (Syracuse University); TERNING, John (UC Davis)

Presenter: RIGO, Gabriele (Syracuse University)

Session Classification: Cosmology I