

## XVth Quark Confinement and the Hadron Spectrum



Contribution ID: 311

Type: **Oral**

### Constraints on axionlike particles from GW170817

*Wednesday 21 August 2024 14:30 (30 minutes)*

Since the 2017 observation of gravitational wave and electromagnetic signals from a neutron star merger, binary mergers have emerged as a powerful environment in which to study physics beyond the standard model (BSM). As an example of BSM physics, and due to their connection to QCD, I will focus on axions and describe the various roles they may play in neutron star mergers, as well as the prospects for constraining axions with future neutron star merger observations.

**Author:** HARRIS, Steven

**Presenter:** HARRIS, Steven

**Session Classification:** QCD and New Physics

**Track Classification:** E: QCD and New Physics