



Contribution ID: 0

Type: **not specified**

## Gravitational waves from isolated neutron stars

*Monday 25 April 2016 09:10 (50 minutes)*

Isolated neutron stars can emit gravitational waves via a variety of mechanisms. These emission channels are highly sensitive to the nature of matter in the star, and can potentially reveal information on the high density equation of state not accessible via other means. In this talk I will review these mechanisms, and discuss how they relate to the microphysics of the stellar matter. I will also talk about the gravitational wave upper limits obtained thus far, discuss what they already tell us about neutron star physics, and look ahead to the future.

**Presenter:** JONES, Ian (University of Southampton)

**Session Classification:** Plenary Talk