

# Neutron star properties from gravitational-wave observations of r-modes and post-merger events

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Gravitational wave events involving neutron stars provide interesting information of their interiors. In this talk I will not focus on the compact binary inspirals (GW170817-type events), related to the measurements of the tidal deformability of the components, but present instead other types of observations expected in the future: r-modes from rotating neutron stars, as well as the signals related to post-merger emission.

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**Classifica Sessioni:** Compact stars