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A short walk through the physics of neutron stars

In this talk I will shortly review several aspects of the physics of neutron stars. After an introduction Particularly, I will review few aspects of their observation discussing, namely, the different types of telescopes that are used in their observation, the many astrophysical manifestations of these objects, and several observables such as masses, radii or gravitational waves. Finally, I will briefly present some of theoretical issues like their composition, structure equations, equation of state, and neutrino emission and cooling.

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