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Neutron Star properties and EM follow-up of Kilonovae

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When two Neutron Stars (NSs) merge a multi-band electromagnetic (EM) emission, known as Kilonova (KN), follows. It is believed to be powered by the radioactive decay of ejecta products. In this contribution we discuss how future measurements of KN light curves and spectra could constrain some interesting features of the NSs in the coalescing binary. In particular we will focus on the impact and uncertainties of the current knowledge of the equation of state of dense matter on the mass, velocity and other subsequent observables in the KN ejecta.

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