

# Baryon interactions at physical quark masses in Lattice QCD

*Friday, July 27, 2018 5:30 PM (20 minutes)*

The determination of baryon interactions is of crucial importance to understand the origin of nuclei, the mechanism of supernovae and the gravitational waves emitted from the binary neutron star mergers. In this talk, we review the latest results for the first lattice QCD calculation of baryon interactions with (almost) physical quark masses ( $m_{\pi}=146$  MeV) obtained by the time-dependent HAL QCD method.

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