



Contribution ID: 38

Type: Poster

Neutron Stars and Functional Renormalization Group

Thursday, August 16, 2012 4:00 PM (2 hours)

Recently a two-solar-mass neutron star was observed. This puts new constraints on effective models at zero temperature and high chemical potential. In our approach we include mesonic degrees of freedom as well as nucleons in the framework of the Functional Renormalization Group. In this way, fluctuations beyond the mean-field approximation are taken into account.

Author: Mr DREWS, Matthias (Technische Universitaet Muenchen)

Co-authors: Dr KLEIN, Bertram (Technische Universitaet Muenchen); Dr HELL, Thomas (Technische Universitaet Muenchen); Prof. WEISE, Wolfram (Technische Universitaet Muenchen)

Presenter: Mr DREWS, Matthias (Technische Universitaet Muenchen)

Session Classification: Poster Session Reception

Track Classification: Exploring the QCD phase diagram