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Influence of transition density calculated by thermodynamical method and dynamical method on crustal fraction of moment of inertia of neutron star using Rsigma and Gsigma Skyrme interaction

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Abstract

[en] In the present work our objective is to examine the influence of the Crust-Core transition density (ρ_t) calculated by TDM and DM on one of the properties of the NSs, i.e., Crustal fraction of moment of inertia ($\Delta I/I$) where the NS crust plays important role. This study has been carried out by using Rsigma and Gsigma Skyrme Interaction

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