

物理談話会 10月19日(水) コラボ室16:20~17:20

Unified Description of Equilibrium and Non Equilibrium Properties of Neutron Star Matter



講師: Prof. Omar Benhar (Roma, Sapienza)

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場所: 物理3階コラボレーション室

演題: 中性子星核物質の熱平衡・非平衡状態の
統一的な記述とその結果について

Abstract: The CBF (Correlated-Basis-Functions) effective interaction approach, whose accuracy was extensively tested studying the properties of the fermion hard-sphere system at $T=0$, has been extended to describe hot nuclear matter. I will report the results of this effort, and discuss their relevance to the understanding of neutron star structure and dynamics.

Ref. O.Benhar et al., Phys. Rev. Lett. 99, 232501 (2007), Phys. Rev. C 81, 024305 (2010); 87, 014601 (2013); 89, 025804 (2014); 91, 034325 (2015); 93, 035802 (2016).

-連絡先 物理学科作田誠(7822)-