

Abstract Submitted  
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**A systematic study of three-baryon forces based on the SU(3) model** SHOJI SHINMURA, Gifu University — We discuss the systematic behavior of three-baryon forces through a generalization of the three-nucleon force based on the SU(3) model. We consider not only the two-pion exchange mechanism but also heavy-meson exchange mechanisms, including K-meson. In addition, we apply the three-baryon forces to determine the equation of state of high-density baryonic matter like neutron-star matter.

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