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Calculation of symmetry energy using Argonne family potentials with three nucleon interaction

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with three nucleon interaction

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The symmetry energy has been given attention in recent years because of its fundamental important role in both a
    In this work, we intend to apply lowest order constrained variational (LOCV) approach [2] to analyze the EOS

[1] S. Gandol , J. Carlson, S. Reddy, A. W. Steiner, R. B. Wiringa, Eur. Phys. J. A50, 10 (2014).

[2] R.F. Bishop, C. Howes, J. M. Irvine and M. Modarres, J. Phys. G: Nucl. Phys. 4, 1709 (1978).

[3] B. S. Pudlineret al., Phys. Rev. C56, 1720 (1997).

[4] R. B. Wiringa and S. C. Pieper, Phys. Rev. Lett. 89, 182501 (2002).

[5] R. B. Wiringa, V. G. J. Stoks, and R. Schiavilla, Phys. Rev. C 51, 38 (1995).

[6] I.E. Lagaris, V.R. Pandharipande, Nucl. Phys. A 359, 349(1981).

[7] Z. Asadi, M. Bigdeli, Submitted to PRC.

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Talk

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