

Abstract Submitted
for the APR06 Meeting of
The American Physical Society

Equation of State for low density nuclear matter JUTRI TARUNA,
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Neutron-rich matter at subnuclear densities—present in core-collapse supernovae
and the crust of neutron stars—displays fascinating complex structures, such as
spherical, slablike, and rodlike shapes. The equation of state and the spin-
dependent, two-body correlation function are computed via semi-classical Monte-
Carlo simulations that incorporate a momentum-dependent two-body potential to
simulate Pauli correlations.

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Date submitted: 12 Jan 2006

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