

Abstract Submitted
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Probing Cold Dense Nuclear Matter DOUGLAS HIGINBOTHAM,
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in the nucleus can form strongly correlated pairs. Recent scattering experiments,
in which a proton is knocked-out from carbon with high-momentum transfer and
high missing momentum, have shown that neutron-proton pairs are nearly 20 times
as prevalent as proton-proton and, by inference, neutron-neutron pairs. This result,
which is due to tensor correlations, has implications for our understanding of nuclear
systems from nuclei to neutron stars.

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