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Study Nucleon-Nucleon Interaction with Short Range Correlation

Tuesday 3 September 2019 14:00 (25 minutes)

Electron scattering experiments demonstrate that about 20% of the nucleons in nuclei have momentum greater than the nuclear Fermi momentum. This is predominantly due to close-proximity neutron-proton pairs, which interact via a strong short-range force. I will discuss these close-nucleon in few body systems and their importance to the study of nucleon-nucleon interaction, neutron stars, and the modification of the internal structure of nucleons bound in nuclei.

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Session Classification: Parallel Session Tuesday: Short-Range Correlations in Nuclei

Track Classification: Invited