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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.

**Primary author:** PIASETZKY, Eli (Tel Aviv University)

**Presenter:** PIASETZKY, Eli (Tel Aviv University)

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

**Track Classification:** Invited