

## High Momentum Protons and Neutrons in Asymmetric Nuclei

*Prof. Eliazer Piasetzky*

*Faculty of Exact Sciences, Raymond & Beverly Sackler, Tel Aviv University  
Tel Aviv (Israel)*

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 asymmetric nuclei and their importance to the study of neutron stars and the modification of the internal structure of nucleons bound in nuclei.