



ID de Contribution: 75

Type: **Non spécifié**

The quenching of nucleon knockout in nuclei far from stability and the role of nucleon correlations

jeudi 7 novembre 2024 09:25 (25 minutes)

The increase in the relative fraction of high-momentum protons in short-range correlated NN pairs with the neutron excess in the nucleus, measured by the CLAS collaboration at the Thomas Jefferson National Accelerator Facility, has stimulated interest in investigating the presence of SRC NN pairs in nuclei far from stability. The GSI/FAIR facility, as the only worldwide facility providing beams of unstable nuclei at relativistic energies, offers unique opportunities to address this issue. In this talk I will present some previous inclusive experiments showing indications for the presence of SRC NN pairs in nuclei far from stability, as well as preliminary results obtained in new exclusive experiments.

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