

Abstract Submitted
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Moller Polarimetry for the Neutron Skin Experiments at Jefferson Lab DONALD JONES¹, Temple University — The two sister experiments PREX-2 and CREX have recently performed measurements of the neutron skin on Pb-208 and Ca-48 respectively via parity-violating electron scattering. The measured scattering asymmetries are normalized to the beam polarization making electron beam polarimetry central for precision determinations of the neutron skins. Furthermore, polarimetry was essential for minimizing and interpreting key systematics effects such as the transverse and null asymmetries. Møller polarimetry has been utilized in Hall A for two decades. However, the system has been upgraded since PREX-1 to utilize a foil target of pure iron magnetized out of plane along the direction of the beam, allowing for sub-1

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