Abstract Submitted
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Precision Electroweak Observables of Three-Nucleon Systems JARED VANASSE, Ohio University — At low energies interactions between nucleons can be described in a theory of contact interactions known as pionless effective field theory. This theory is ideally suited to low energies and to calculating bound state properties of three-nucleon systems. I will discuss recent calculations of electroweak properties of three-nucleon systems, the prospects for future precision calculations of such properties, and their potential impact on the extraction of the charge radius from muonic Helium-3 data.

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