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## **Nucleon charges and form factors from clover-on-clover and clover-on-HISQ simulations**

*Thursday, July 28, 2016 5:50 PM (20 minutes)*

High precision estimates of the iso-vector nucleon charges  $g_A$ ,  $g_S$  and  $g_T$ , electric, magnetic and axial form factors measured on four ensembles of 2+1 flavor clover fermions will be presented and compared with those from clover-on-HISQ calculations. An analysis of systematic uncertainties due the lattice volume, lattice spacing, quark mass and renormalization will also be presented for both sets of calculations. Phenomenological implications and constraints on novel scalar and tensor interactions at the TeV scale will be discussed.

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