Contribution ID: **78** Type: **Poster**

Proton and neutron electromagnetic form factors from lattice QCD in the continuum limit.

We present the results for the electromagnetic form factors of the proton and neutron using lattice QCD. We employ three ensembles of twisted mass fermions with two degenerate light, a strange, and a charm quark with masses tuned to their physical values. Studying the momentum transfer dependence of the form factors resulting from a multi-state fitting procedure, we obtain the electric and magnetic radii and the magnetic moments, as well as the Zemach and Friar radii in the continuum limit. Our final results include systematics arising from excited states, cut-off effects, the functional form of the momentum transfer dependence and the momenta cuts.

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