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Nucleon form factors near the physical point in 2+1 flavor QCD

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We present preliminary results for nucleon form factors including the axial charge and the Dirac radius in 2+1 flavor QCD at the almost physical pion mass on a 96^4 lattice with the lattice spacing of 0.084 fm. The configurations are generated with the stout-smear $O(a)$ -improved Wilson quark action and the Iwasaki gauge action at $\beta=1.82$. A large spatial volume of $(8.1\text{fm})^3$ allows us to investigate the form factors at small momentum transfer region. We discuss analyses of the momentum dependence of the form factors.

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