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Light nuclei and nucleon form factors in N_f=2+1 lattice QCD

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We present our result of binding energy of light nuclei
with the nuclear mass number less than or equal to four
at the pion mass m_pi = 0.3 GeV.
The simulations are performed in N_f=2+1 QCD with Iwasaki gauge
and non-perturbative improved Wilson fermion actions at the
lattice spacing of a = 0.09 fm.
We discuss the quark mass dependence of the binding energies
using our previous results and also a preliminary result at almost
physical pion mass m_pi ~ 0.145 GeV with a ~ 0.085 fm.
Furthermore, we show a preliminary result of the axial charge
and the radii obtained from isovector nucleon form factors
at the almost physical pion mass.

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