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## Neutron Electric Dipole Moments with Clover Fermions

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Neutrons can have nonvanishing electric dipole moment (EDM) when the theory has broken P and T symmetries. Since the CP violation (CPV) arising from the standard model (SM) is small or strongly suppressed at high temperature, new CPV from beyond the SM (BSM) is needed to explain the baryogenesis, and EDMs of elementary particles, such as the neutron, are good probes of such BSM physics. In this talk, we present results for contributions to the neutron EDM arising from the QCD theta-term, the Weinberg three-gluon operator and the quark chromo-EDM from our ongoing lattice calculations using clover valence quarks on the MILC HISQ lattices. We use the Schwinger source method to incorporate the chromo-EDM term in the propagator and the gradient-flow technique to smooth the gluonic operators.

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