
KMI Theory Seminar

“Role of lattice QCD in intensity frontier physics”

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Abstract:

In this talk I will review the lattice calculation of neutron EDM, proton decay and hadronic contribution to muon $g-2$. These are relevant quantities to precision test of the standard model and intensity frontier physics. Non-perturbative calculation in lattice QCD plays an essential role to remove the theoretical uncertainties of hadronic effect in these quantities.