

Update on study of K13 form factors with dynamical domain wall quarks

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Abstract: Highlights of our recently completed first study of the K13 form factor using two dynamical flavors of domain wall quarks with DBW2 gauge action, on a lattice of size $16^3 \times 32 \times 12$, $a^{-1} = 1.7 \text{ GeV}$ and with $m_s, \text{phys}/2$; m_d ; m_s will be given. We will follow that up with describing our ongoing efforts to improve the previous calculation using the UKQCD/RBC Nf=2+1 DWF ensemble with an Iwasaki gauge action ($\beta = 2.13$, $a^{-1} = 1.6 \text{ GeV}$) on a lattice with much bigger volume of size $24^3 \times 64 \times 16$.