

## Test of factorization for the long-distance effects from charmonium in $B \rightarrow Kl$

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We report on a calculation of the charmonium contribution to the decay  $B \rightarrow Kl$  using lattice simulations with 2+1 flavors of Mobius domain wall fermions.

We focus on the region of  $q^2$  below the  $J/\psi$  resonance and test the factorization approximation to estimate the amplitude.

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