Heavy-light matrix elements in static limit with domain wall fermions

Presenter: Yasumichi Aoki — RIKEN BNL Research Center
Y. Aoki for the RBC and UKQCD collaborations

Towards precision measurements of decay constants and $B$ parameters of the $B_d$ and $B_s$ mesons, these quantities calculated in the static limit of $b$ quark have great importance. We will give a progress report on such a calculation with the domain wall light quarks on the 2 + 1 flavor domain wall fermion configurations at lattice spacing $a = 0.12$ fm and spatial size $L = 3$ fm.