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Leptonic decays of $B_{(s)}$ and $D_{(s)}$ using the OK action

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We present recent progress in the lattice calculation of leptonic decay constants for $B_{(s)}$ and $D_{(s)}$ mesons using the Oktay-Kronfeld (OK) action for the charm and bottom quarks. We use MILC HISQ ensembles and the HISQ action for the light spectator quark. Results for spectrum of $B_{(s)}$, $D_{(s)}$, $B_{(s)}^*$, $D_{(s)}^*$ mesons with the nonperturbatively tuned heavy quark masses will be presented. We will also present results for the SU(3) flavor breaking ratios f_{B_s}/f_B and f_{D_s}/f_D that are independent of the renormalization constant that is being calculated.

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