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Approaching the bottom using fine lattices with Domain-wall fermions.

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We explore the properties of heavy-light pseudoscalar mesons above the charm mass using Mobius domain-wall fermions on fine lattices at $a=0.080$, 0.055 , and 0.044 fm. We examine masses and decay constants using a series of heavy quark masses up to 3 times the charm quark. We attempt to analyze the cutoff effects for heavy quarks above the charm and account for the low order effects using ideas from HQET. Using these results we extrapolate to B-physics and report preliminary results for $M_{B(s)}$ and $F_{B(s)}$.

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