We present results from simulations of static-light mesons on $2+1$ flavour Domain Wall Fermion lattices with a $(2\text{fm})^3$ spatial volume. We obtain the decay constants and $\Delta B = 2$ weak matrix elements for the $B$ and $B_s$ mesons and the corresponding ratio $\xi = \frac{f_{B_s}\sqrt{B_{B_s}}}{f_B\sqrt{B_B}}$, which relates the measured mass differences to the ratio of CKM matrix elements $\frac{|V_{ts}|}{|V_{td}|}$. 

B-Bbar Mixing with Domain Wall Fermions

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