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Neutral B-meson mixing with physical u, d, s, and c sea quarks

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HPQCD Collaboration: We will present the first lattice QCD calculation of the mixing parameters $f_B\sqrt{B_B}$ and $f_{B_s}\sqrt{B_{B_s}}$ for physical light quark masses. We use 2+1+1 MILC configurations at 3 values of the lattice spacing and with three u/d quark masses going down to the physical value. We use improved NRQCD for the b quarks.

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