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Bottom meson masses from a RHQ action on a fine 2+1 flavor DWF lattice

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We extend our previous relativistic heavy quark (RHQ) charm calculations performed on the $32^3 \times 64$, $1/a = 2.32$ GeV RBC/UKQCD lattice ensembles to states including bottom quarks. We calculate masses of bottomium, bottom-strange and bottom-light states, match and compare them to known experimental values. We also compare our results with those determined on the $24^3 \times 64$, $1/a = 1.73$ GeV to assess the RHQ method.

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talk

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