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## Charmed-bottom mesons from Lattice QCD

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We present ground state spectra of mesons containing a charm and a bottom quark. For the charm quark we use overlap valence quarks while a non-relativistic formulation is utilized for the bottom quark on a background of 2+1+1 flavor HISQ gauge configurations generated by the MILC collaboration. We also study the ratio of leptonic decay constants,  $f_{B_c^*}/f_{B_c}$ . Results are obtained at three lattice spacings.

**Author:** Prof. MATHUR, Nilmani (Tata Institute of Fundamental Research)

**Co-authors:** Dr PADMANATH, M (University of Graz); LEWIS, Randy (York University)

**Presenter:** Prof. MATHUR, Nilmani (Tata Institute of Fundamental Research)

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