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## Composition of the inclusive semi-leptonic decay of B meson

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Utilizing the approach recently proposed for the inclusive semi-leptonic decay rate on the lattice, we compute the differential decay rate of a  $B_s$  meson for various kinematical channels. The results are compared with the contributions from the ground states ( $D$  and  $D^*$ ) *as well as from the orbitally excited states ( $D^{**}$ 's)*. The computation so far is carried out with an unphysically light bottom quark and strange spectator quark.

**Primary author:** HASHIMOTO, Shoji (KEK)

**Co-authors:** BAILAS, Gabriela (U of Tsukuba); GAMBINO, Paolo (U of Torino); KANEKO, Takashi (KEK); MACHLER, Sandro (U of Torino)

**Presenter:** HASHIMOTO, Shoji (KEK)

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