

# Inclusive decay structure function for $B \rightarrow X_c \ell \nu$ : a comparison of a lattice calculation with the heavy quark expansion

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A lattice calculation of inclusive decay structure functions for  $B \rightarrow X_c \ell \nu$  is compared with the corresponding estimates based on the heavy quark expansion. Both methods are applicable in the region away from the resonances/cuts due to final charmed states, and one can test the theoretical methods employed on both sides.

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