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## D7: $B_s \rightarrow D_s^{(*)}$ form factors from lattice QCD with $N_f = 2$ Wilson-clover quarks

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We report on a two-flavor lattice QCD determination of the  $B_s \rightarrow D_s$  and  $B_s \rightarrow D_s^*$  transitions, which in the heavy quark limit can be parameterized by the form factors  $calG$ , and  $h_{A_1}$ ,  $h_{A_2}$  and  $h_{A_3}$ . In the search of New Physics through tests of lepton-flavour universality,  $B_s$  decay channels are complementary to  $B$  decays and widely studied at  $B$  factories and LHCb. The purpose of our study is to explore a suitable method to extract form factors associated with  $b \rightarrow c$  currents from lattice QCD. In particular, we present numerical results for  $calG$  and  $h_{A_1}$ .

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