## Complementary test of lepton flavor universality violation in $B_s \rightarrow f_2' (1525) (\rightarrow K^+ K^-) \mu^+ \mu^-$ decays

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The lepton flavor universality violation has been reported in the various flavor ratios such as  $R_K$ ,  $R_{K^*}$ , and  $P_5'$  in  $B \to K^{(*)} \mu^+ \mu^-$  decays. In this context, we perform an angular analysis of the four-body differential decay of  $B_s \to f_2' (1525) (\to K^+ K^-) \mu^+ \mu^-$  in a model independent effective field theory formalism and provide a complementary information on the lepton flavor universality violation. The underlying decay mode proceed via similar  $b \to s l^+ l^-$  quark level transition. We give predictions of various physical observables for  $B_s \to f_2' (1525) (\to K^+ K^-) \mu^+ \mu^-$  decays in SM and in the presence of various NP scenarios. This can be easily tested in the upcoming LHCb experiments.

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## Secondary track (number)

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