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Lepton-flavour universality tests with semi-leptonic B decays at LHCb

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In the Standard Model, the three charged lepton are identical copies of each other, apart from mass differences. Experimental tests of this feature in decays of semileptonic b hadrons, such as $B \rightarrow D^* \tau \nu$, are highly sensitive to New Physics particles which preferentially couple to the 3rd generation. This talk will review the latest lepton universality tests in semileptonic $b \rightarrow c$ transitions at LHCb.

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