

A comprehensive study of vector leptoquark on the B-meson and Muon $g-2$ anomalies

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Recently reported anomalies in various B meson decays and also in the anomalous magnetic moment of muon ($g - 2$) motivate us to consider a particular extension of the standard model incorporating new interactions in lepton and quark sectors simultaneously. Our minimal choice would be leptoquark. In particular, we take vector leptoquark (U1) and comprehensively study all related observables.

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