

## On the interplay between flavour anomalies and neutrino properties

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A minimal extension of the Standard Model (SM) featuring two scalar leptoquarks, an SU(2) doublet with hypercharge 1/6 and a singlet with hypercharge 1/3, is proposed as an economical benchmark model for studies of an interplay between flavour physics anomalies and properties of the neutrino sector. The presence of such type of leptoquarks radiatively generates neutrino masses and offers a simultaneous explanation for the current B-physics anomalies involving  $b \rightarrow sll$  and  $b \rightarrow cl\nu_\ell$  decays. The model can also accommodate both the muon magnetic moment and the recently reported W boson mass anomalies, while complying with the most stringent lepton flavour violating observables.

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