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Lepton-flavour-violating constraints from triality

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Lepton flavour triality is motivated by flavour symmetry models. Reference ([<https://doi.org/10.1103/PhysRevD.107.055001>]) constructed theories based on a low-energy limit featuring lepton flavour triality that has flavour-violating tau decays as the main phenomenological signatures of physics beyond the standard model. These theories have doubly charged scalars as mediators. In this work, we derive further constraints on the triality model considering future colliders' predictions.

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