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## **Disorder and Neutrino Flavour**

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It has been recently shown by Craig and Sutherland that disorder in linear mass chains can lead to localisation of wave functions a la anderson localisation in 4D. Such localisation can be used to understand tiny neutrino masses. In the present work, we generalise this localisation mechanism over several geometries for the mass chains and study neutrino masses and flavor mixing. We show that in the limit of strong disorder, these models predict hierarchical neutrino masses and anarchical mixing angles. This is true for all geometries of the mass chains and whether the couplings are "local", "non-local" or "mixed."On the other hand, if one considers weak disorder scenarios, it is possible to explain flavour mixing angles within the experimental range, within a few parameters similar to a flavour models a la Froggatt-Nielsen. We present several models where this is possible and also the associated flavour and collider phenomenology.

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