

## A renormalizable left-right symmetric model with low scale seesaw mechanisms

*Tuesday 10 January 2023 14:30 (20 minutes)*

I will describe a low scale renormalizable extended left-right symmetric theory where the observed SM fermion mass hierarchy arises from a seesaw-like mechanism and the light active neutrino masses are generated from a radiative inverse seesaw. I will discuss its implications in charged lepton flavour violation, in the lepton and baryon asymmetries of the Universe, in the muon and electron anomalous magnetic moments as well as the constraints arising from the Higgs diphoton decay rate and meson oscillations. I will also discuss the  $Z'$  and heavy scalar production at a proton-proton collider.

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**Session Classification:** Parallel session A

**Track Classification:** Beyond The Standard Model Physics