

Complementary LHC searches for UV resonances of $0\nu\beta\beta$ decay operators

Saturday, 16 December 2023 15:00 (15 minutes)

$\Delta L = 2$ lepton number violation at the TeV scale connects $0\nu\beta\beta$ decay (intensity frontier), LHC searches (energy frontier), and leptogenesis (cosmic frontier). I will focus on some progress on the promising UV completions of $0\nu\beta\beta$ decay operators, which can be diagnosed with complementary searches at the HL-LHC and HE-LHC.

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