

International Joint Workshop on the Standard Model and Beyond 2024 & 3rd
Gordon Godfrey Workshop on Astroparticle Physics

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Proton decay from the bottom up

Monday 9 December 2024 15:30 (30 minutes)

In this talk I will present a general study of nucleon decay based on the SMEFT up to dimension 7. Our analysis takes into account RGE effects, and includes limits on the scale underlying each operator, an assessment of the possibility of flat directions, and correlations between decay modes assuming single-operator dominance. The talk is mainly based on 2312.13361.

Presenter: GARGALIONIS, John (IFIC)

Session Classification: Plenary