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The Heavy Metal Path to New Physics

Thursday 27 September 2018 14:00 (20 minutes)

We explore the potential to test weakly coupled New Physics in heavy ion collisions. We find that the data from heavy ion collisions at the HL-LHC can yield constraints that are only an order of magnitude weaker than those expected from proton-proton collisions for generic parameter choices in well-motivated New Physics scenarios, and that they may even achieve the same sensitivity in some corners in the parameter space.

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