

Constraining Dimension 7/9 SMEFT from reinterpreting same sign dilepton analysis at CMS

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The Standard Model Effective Field Theory (SMEFT) provides a model-independent description to the collider events, from which the measured Wilson coefficients can be interpreted with some specific BSM model and vice versa. In the context of SMEFT, operators constructed with odd dimensions may lead to Lepton Number Violation (LNV). In this work, we will present the results of reinterpreting SSWW induced signal searches in same-sign dimuon final state from CMS for constraining dimension 7/9 operators.

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