

Operator Correlation in Electroweak Scattering at LHC

We study the new physics effects within Standard Model Effective Field Theory(SMEFT) in electroweak scattering channels, such as vector boson scattering, di-boson production and so on. Since we can obtain a set of operators when we integrated out the heavy degree of freedom, we should consider the operators correlation of SMEFT in a physical processes, rather than assuming that only one operators is dominant in scattering. In this case, the correlated behaviors will give us some hints about UV complete theory in “bottom-up” framework.

Presentation type

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Primary author: DING, Jian-Nan (Lanzhou University)

Presenter: DING, Jian-Nan (Lanzhou University)