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Double Gauge Boson Production in the Standard Model EFT

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Precision measurements of the Standard Model are becoming increasingly important at the LHC. Of particular interest is double gauge boson production which are sensitive to the gauge structure of the Standard Model. We investigate $W+W^-$ production at the LHC considering all relevant dimension-6 operators and higher order Standard Model corrections. We determine the importance of the higher order corrections and various operators for the interpretation of precision LHC measurements of $W+W^-$ production.

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