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# Effective operators in top physics

*Friday, 23 July 2010 15:00 (15 minutes)*

I will show how the general trilinear interactions of the top quark (or any other fermion) arising from dimension-six gauge invariant operators are simplified when several operators in the Buchmuller & Wyler list, recently found to be redundant (arxiv:0811.3842, arxiv:0904.2387) are dropped. I will present some practical applications of this simplification for phenomenology, including the study of top FCNC processes (arxiv:1003.3173).

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