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Precision determination of the Wtb coupling in single top production

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We present progress on our calculation of next-to-leading order QCD effects in single top production for a precision determination of the Wtb coupling. The calculation is performed analytically including an off-shell top quark and includes relevant operators from the Standard Model Effective Field Theory (SMEFT) that modify the Wtb coupling. We discuss the phenomenological importance and put our calculation into the context of current studies.

Summary

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