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Single-top-quark production at NNLO

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We present a new calculation of single-top-quark production at NNLO. Our calculation is fully differential in the five-flavor scheme and includes the full leptonic top-quark decay. Our results settle the issue of previous calculations that found disagreement at the level of the NNLO corrections. We discuss the relevance of the process and the higher-order corrections for Standard Model precision phenomenology at the LHC.

Summary

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