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Differential cross sections in top-quark pair production at NNLO+NNLL' in QCD

Thursday, 22 November 2018 10:50 (25 minutes)

I discussed combinations of state-of-the art calculations of top-quark pair differential cross sections at hadron colliders in fixed order (NNLO) and resummation (NNLL'). Qualitative insight is given into the issue of factorisation and resummation scale choices for the high-energy tail of the top-pair invariant mass distribution, based on the enhanced contributions of t and u channel singularities at high energy.

Primary author: PECJAK, Ben (Durham University)

Presenter: PECJAK, Ben (Durham University)

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