Contribution ID: 1090 Type: Parallel session talk

Theoretical results for top-pair and top+W production

Thursday 18 July 2024 11:21 (18 minutes)

I present theoretical results for top-pair production as well as for the associated production of top quarks with W bosons. Soft-gluon corrections from resummation are calculated through approximate $\mathrm{N}^3\mathrm{LO}$ and added to fixed-order QCD results, and electroweak corrections are included at NLO. Top-quark transverse-momentum and rapidity distributions are also presented. In all cases the higher-order corrections are large, they reduce the scale dependence, and they improve agreement with recent data.

Alternate track

I read the instructions above

Yes

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Session Classification: Top Quark and Electroweak Physics

Track Classification: 04. Top Quark and Electroweak Physics