EPS-HEP2023 conference



Contribution ID: 207 Type: Parallel session talk

Complete NLO EW and NLO QCD corrections to off-shell ttZ production at the LHC

Tuesday 22 August 2023 10:10 (20 minutes)

Duration: 15+5'

The comparison of theory predictions and experimental measurements is one of the main roads for discovering physics beyond the Standard Model. The tremendous amount of data that has been and will be further collected at the LHC already demands a high level of precision from the theory predictions.

In this talk I will focus on ttZ production, whose phenomenological interest is well-established. The intricate resonance structure and the high multiplicity of the final state make the achievement of theory results for this process extremely challenging. I will present how we took another step forward to predict this process at high accuracy by computing for the first time the complete set of fully off-shell QCD and EW corrections.

Collaboration / Activity

PostDoc

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