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Latest developments in the simulation of final states involving top-pair and heavy bosons (15' + 5')

Thursday, 4 August 2016 10:40 (20 minutes)

I will give an overview of recent progress in the simulation of final states involving top-quarks and vector bosons pair. In the first part of the talk, I'll discuss the obstacles, and present recently found solutions needed to simulate, at NLO+PS accuracy, fully differential top pair production (pp -> 4 leptons + b bar), retaining exactly offshellness and interference effects. In the second part, I'll introduce very quickly the MiNLO method, and then show a recent application, namely the simultaneous NLO+PS description of WW and WW+1jet production.

Primary author: RE, Emanuele (LAPTh Annecy)

Presenter: RE, Emanuele (LAPTh Annecy)

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