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Recent developments in the GENEVA event generator

Wednesday 10 January 2024 11:00 (30 minutes)

The GENEVA method provides a means to combine resummed and fixed order calculations at state-of-the-art accuracy with a parton shower program. GENEVA NNLO+PS generators have now been constructed for a range of colour-singlet production processes and using a range of different resolution variables. I will review the GENEVA framework and then describe several recent advancements, such as the use of jet veto resummation at NNLL' accuracy and the ongoing extension to processes including jets in the final state.

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