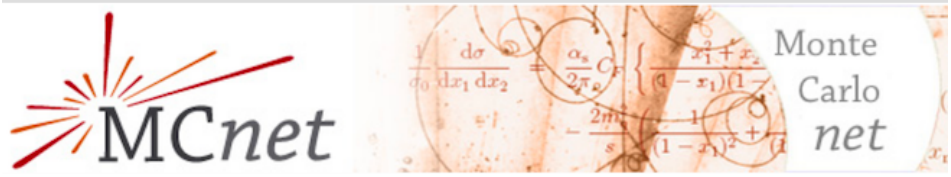

Contribution ID: **26** Type: **not specified**

Recursive Matrix-Element Corrections in the Vincia Helicity Shower

Friday, 25 January 2019 09:40 (20 minutes)

The Vincia antenna shower is a plugin to Pythia which allows for multiple matrix-element corrections (MECs), as well as systematic shower uncertainty estimates. In this talk I will discuss the former, with a particular emphasis on how we used maximally-helicity-violating (MHV) amplitudes for the MECs. Finally, I will show a new ATLAS result for gluon splitting to b quarks which appears to prefer Vincia's ME-corrected shower to the standard event generators.

Summary

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Session Classification: Network meeting