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## Monte Carlo Top Quark Mass Calibrations: Update

*Tuesday 14 March 2017 14:50 (40 minutes)*

The lack of knowledge how the top quark mass parameter in Monte-Carlo event generators (MC) is related to field theoretically well defined mass schemes limits the theoretical interpretation of the most precise top quark mass measurements. At SCET2016 preliminary results for the calibration of Pythia's top quark mass parameter using an effective field theory approach for 2-jettiness were presented. In the first part of this talk I will summarize the final results of this analysis. Afterwards I will talk about recent work concerning a consistency check of this analysis using C-parameter for unstable heavy quarks.

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