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## The top-antitop threshold in WHIZARD

*Tuesday, 29 August 2017 17:25 (20 minutes)*

In this talk I will report on recent progress in the implementation of threshold resummation into the Monte Carlo event generator WHIZARD. This is crucial for reliable predictions of  $WWbb$  production close to the top-antitop threshold. As a key feature we establish a smooth transition between the threshold region and the relativistic (NLO) continuum. For the first time our code allows to study arbitrary differential observables involving the decay products of the tops and including interference with non-resonant background processes at threshold and beyond.

15 minutes presentation + 5 minutes discussion

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