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The $t\bar{t}$ threshold scan revisited

Thursday 23 October 2025 12:10 (20 minutes)

The potential of a scan of the center-of-mass energy through the top quark pair production threshold is revisited with a detailed simulation of experimental and machine-related effects. The dominant theory limitations are extensively discussed as well.

The talk is based on the ECFA Higgs/top/EW study and the results presented in <https://arxiv.org/pdf/2503.18713>.

Due to travel budget restrictions, this is proposed as a remote contribution

Authors: MEHTA, Ankita; DE BLAS, Jorge; VOS, Marcel (IFIC (UVEG/CSIC) Valencia); DEFRANCHIS, Matteo; SELVAGGI, Michele

Presenter: DEFRANCHIS, Matteo

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