



Contribution ID: 128

Type: parallel talk

Measuring the Top Yukawa Coupling at 100 TeV

Tuesday 10 May 2016 15:15 (15 minutes)

We propose a measurement of the top Yukawa coupling at a 100 TeV hadron collider, based on boosted Higgs and top decays. We find that the top Yukawa coupling can be measured to 1%, with excellent handles for reducing systematic and theoretical uncertainties, both from side bands and from $t\bar{t}H/t\bar{t}Z$ ratios.

Summary

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Session Classification: Future Colliders