

Observation of four-top-quarks and the determination of the Higgs width

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The high center-of-mass energy of proton-proton collisions and the large available datasets at the CERN Large Hadron Collider allow us to study rare processes of the Standard Model (SM) with unprecedented precision. Observation of the four-top-quark process is presented. This final state is combined with the Higgs to gamma-magamma final state and limits on the Higgs boson width is set.

Alternate track

1. Higgs Physics

I read the instructions above

Yes

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Session Classification: Top Quark and Electroweak Physics

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