

Session Program

24-26 Apr 2024

LHC TOP WG meeting

***Joint session of the LHC EFT and Top Working
Groups***

CERN, 4/3-006 - TH Conference Room

Wednesday 24 April

14:00

Joint session of the LHC EFT and Top Working Groups: Experimental talks

Session | Location: CERN, 4/3-006 - TH Conference Room

14:00–14:20

Measurements of inclusive and differential cross-sections of $t\bar{t}+\gamma$ production in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector

Speakers

Jan Hahn, Jan Joachim Hahn

14:20–14:30 Discussion

14:30–14:50

Search for charged-lepton-flavour violating $\mu\tau q$ interactions in top-quark production and decay in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector at the LHC

Speaker

Jacob Julian Kempster

14:50–15:00 Discussion

15:00–15:20

Search for baryon number violation in top quark production and decay using proton-proton collisions at $\sqrt{s} = 13$ TeV

Speaker

Reza Goldouzian

15:20–15:30 Discussion

15:30

16:00

Joint session of the LHC EFT and Top Working Groups: Presentations from theory

Session | Location: CERN, 4/3-006 - TH Conference Room

16:00–16:20

Collider sensitivity to SMEFT heavy-quark operators at one-loop in top-quark processes

Speaker

Mr Andrés Felipe Vásquez Tocora

16:20–16:30 Discussion

16:30–16:50

Renormalisation group running effects in $p p \rightarrow t\bar{t} h$ and $p p \rightarrow t\bar{t} h$ in the Standard Model Effective Field Theory

Speaker

Stefano Di Noi

16:50-17:00 **Discussion**

17:00-17:20

Indirect constraints on top quark operators from a global SMEFT analysis

Speaker

Alfredo Stanzione

17:20-17:30 **Discussion**

17:30-17:50 **Quantum Top Entanglement in SMEFT**

Speakers

Claudio Severi, Claudio Severi

17:50-18:00 **Discussion**

18:00