



Contribution ID: 117

Type: **Talk**

☒393☒EFT measurements using top quarks with CMS

Thursday, September 2, 2021 5:30 PM (15 minutes)

Resonant production of physics beyond the standard model can be probed up to the TeV scale by the experiments at the LHC. Until now, no indication of new physics was found at these high energies. Complementary to direct searches, indirect effects of new physics at even higher energy scales can be studied in the model independent framework of effective field theories(EFTs).

Due to its mass, the top quark plays a crucial role in the electroweak sector of the standard model. This makes top quark processes suitable for EFT interpretations. In this talk, recent EFT measurements performed by the CMS Collaboration are presented that set a focus on top quark physics.

Primary authors: SCHWARZ, Dennis (Austrian Academy of Sciences (AT)); SCHOEFBECK, Robert (Austrian Academy of Sciences (AT))

Presenter: SCHWARZ, Dennis (Austrian Academy of Sciences (AT))

Session Classification: Nuclear, Particle- & Astrophysics

Track Classification: Nuclear, Particle- and Astrophysics (FAKT - TASK)