



Contribution ID: 43

Type: **Talk**

Searches for new phenomena in final states with 3rd generation quarks using the ATLAS detector

Monday 5 September 2022 16:10 (20 minutes)

Many theories beyond the Standard Model predict new phenomena, such as heavy vectors or scalar, vector-like quarks, and leptoquarks in final states containing bottom or top quarks. Such final states offer great potential to reduce the Standard Model background, although with significant challenges in reconstructing and identifying the decay products and modelling the remaining background. The recent 13 TeV pp results, along with the associated improvements in identification techniques, will be reported.

Is this abstract from experiment?

Yes

Name of experiment and experimental site

ATLAS

Is the speaker for that presentation defined?

Yes

Details

Mr Meng-Ju Tsai
metsai@umich.edu (University of Michigan)

Internet talk

No

Authors: VARNES, Erich Ward (University of Arizona (US)); TSAI, Meng-Ju (University of Michigan)

Presenter: TSAI, Meng-Ju (University of Michigan)

Session Classification: High Energy Particle Physics