



Contribution ID: 38

Type: **not specified**

## **Top forward-backward asymmetry with boosted reconstruction methods at multi-TeV CLIC**

*Tuesday 29 August 2017 17:05 (20 minutes)*

In this contribution we outline the path towards studying top quark properties at the multi-TeV collisions of the CLIC physics programme. We discuss the jet reconstruction performance utilising a fat-jet approach and subsequent methods to identify the underlying top sub-structure in boosted topologies. We present results on the cross-section and forward-backward asymmetry as well as an interpretation of the results from the full CLIC programme in terms of EFT operators.

15 minutes presentation + 5 minutes discussion

**Presenter:** STROM, Lars Rickard (CERN)

**Session Classification:** Physics/Analysis