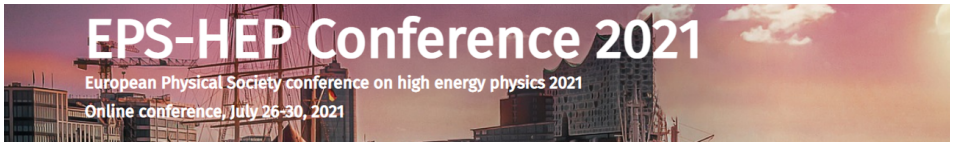

Contribution ID: **162** Type: **Parallel session talk**

Recent measurements of the top-quark mass and Yukawa coupling using the ATLAS and CMS detector at the LHC

Thursday, 29 July 2021 09:45 (20 minutes)

The top quark mass is one of the fundamental parameters of the Standard Model that must be determined experimentally. Single measurements of the top quark mass have reached a precision well below the %-level. Different methods - based on a direct reconstruction of the top quark decay or an extraction from (differential) top quark production cross sections - provide complementary handles on the experimental systematic uncertainties. An overview is given of the most recent ATLAS and CMS measurements of the top -quark mass, its running and of the top quark Yukawa coupling.

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Collaboration / Activity

ATLAS

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Session Classification: T07: Top and Electroweak Physics

Track Classification: Top and Electroweak Physics