Contribution ID: **430** Type: **Parallel**

Measurements at the ttbar threshold with the ATLAS detector

Monday 7 July 2025 15:20 (20 minutes)

The exceptionally large dataset collected by the ATLAS detector at the highest proton-proton collision energies provided by the LHC enables precision testing of theoretical predictions using an extensive sample of top quark events. This wealth of data has opened the door to new measurements of top quark properties including those particularly sensitive to the ttbar threshold region, such as quantum entanglement, which were previously beyond reach. This contribution presents the latest highlights in this area from the ATLAS top quark physics.

Secondary track

Authors: COLLABORATION, ATLAS; LI, Haifeng (Shandong University)

Presenter: LI, Haifeng (Shandong University)

Session Classification: T06 (Top and Electroweak Physics)

Track Classification: T06 - Top and Electroweak Physics