Contribution ID: **226** Contribution code: **POS-HF-11** Type: **Poster**

Correlation of Upsilon states with underlying event activity 13 TeV pp collisions measured by the ATLAS experiment

Tuesday 14 June 2022 17:14 (1 minute)

We present a new measurement studying the relationship between the production of hard and soft particles through the correlation of Upsilon meson states with the inclusive-charged particle yields in 13 TeV pp collisions. Measurements are made differentially for Upsilon momentum and for different Upsilon states. The analysis is performed using the full-luminosity ATLAS Run-2 13 TeV pp data. A description of the technical challenges associated with a heavy-ion style analysis in high-pileup pp data will be shown, as well as the results and their physics implications.

Present via

Online

Primary authors: AIZENBERG, Iakov (Weizmann Institute of Science (IL)); ATLAS COLLABORATION

Presenter: AIZENBERG, Iakov (Weizmann Institute of Science (IL))

Session Classification: Poster

Track Classification: Heavy-flavor and Quarkonia