

XXIV International Workshop on Deep-Inelastic Scattering and Related Subjects (DIS16)



Contribution ID: 129

Type: **not specified**

13 TeV cross-section measurements at LHCb

Tuesday, 12 April 2016 14:30 (15 minutes)

By using the very first proton-proton collision data of the LHC Run II, LHCb performed a series of measurements, notably including the cross-sections for heavy boson, quarkonia, beauty and charm productions. The results have been carried out by exploiting a new scheme for the LHCb software trigger that gives the possibility to finalise physics analyses directly from data objects produced by the online reconstruction. Physics results will be discussed with some emphasis on the performance and technical implementation of this novel trigger approach.

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Session Classification: WG4 Heavy Flavours

Track Classification: Heavy Flavours (Charm, Beauty and Top)