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13 TeV cross-section measurements at LHCb

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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.

Primary author: VECCHI, stefania (infn - Ferrara)

Presenter: SZUMIAK, Tomasz (Cracow-AGH)

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