

Exclusive dilepton production measured at 13 TeV with the ATLAS detector

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In proton-proton collisions, quasi-real photons can be emitted and their interaction can produce various final states. One such final state is a pair of leptons. The exclusive production of dileptons can be calculated in QED with small uncertainty and serves as standard candle for exclusive photon induced measurements. Since only two back-to-back leptons are present in the detector, the process can be clearly distinguished from background. This allows to compare the predicted and measured cross-section. Such analysis is currently performed at 13 TeV with the ATLAS detector.

Sekce

Částicová a jaderná fyzika

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