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Ultra-peripheral collisions at LHCb

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Ultra-peripheral collisions provide a unique environment to study pomeron- and photon-induced reactions with heavy nuclei. These interactions can produce a wide range of final state particles, from light vector mesons to heavy quarkonia, and probe potentially exotic phenomena. LHCb's particle ID capabilities provide unique opportunities to study hadronic final states in ultra-peripheral collisions. We will present recent LHCb results from ultra-peripheral heavy ion collisions and discuss how these impact our understanding of low-x parton interactions

Category

Experiment

Collaboration

LHCb

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