

The ALICE Experiment at LHC: Results and perspectives for diffractive physics. (for the ALICE Collaboration)

Proton–proton collisions are being studied with the ALICE detector not only as a benchmark for the comparison with heavy-ion reactions, but also as a means to study important aspects of pp physics in the new energy domain provided by the LHC. In this contribution ALICE results on general characteristics of pp interactions at $\sqrt{s} = 0.9, 2.36$ and 7 TeV will be reported and their potential for diffractive physics presented.

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