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Type: **Experiment**

Diffraction studies with ALICE

The measurement by the ALICE Collaboration of Single and Double Diffraction cross-sections in pp collisions, at $\sqrt{s} = 0.9, 2.76$ and 7 TeV will be presented. The relevance of diffraction to the understanding of inelastic pp interactions will be discussed and the measurement of the inelastic pp cross-section will be presented. A brief status of ALICE studies of centrally produced systems, selected with a two-pseudorapidity gap topology, will also be given, together with ALICE plans for diffraction studies in p-Pb collisions and in the future LHC pp run at $\sqrt{s} \geq 13$ TeV.

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