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## AD, the ALICE at LHC Diffractive detector

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Abraham Villatoro Tello, *for the ALICE Collaboration*.FCFM, Benemérita Universidad Autónoma de Puebla.

ALICE is one of the four large experiments at the CERN Large Hadron Collider (LHC). As a complement to the Heavy-Ion physics program, ALICE started during Run 1 of LHC an extensive program dedicated to the study of proton-proton diffractive processes. In order to optimize its trigger efficiencies and purities in selecting the diffractive events, the ALICE Collaboration installed a very forward AD detector during the Long Shut Down 1 of LHC. The new forward detector system consists of two stations made of two layers of scintillator pads, one station on each side of the interaction point. With this upgrade, ALICE has substantially increased its forward physics coverage, including the double rapidity gap based selection of central production, as well as the measurements of inclusive diffractive cross sections. In this talk, a review of the performance of AD detector will be given.

**Autore principale:** VILLATORO TELLO, Abraham (Benemérita Universidad Autónoma de Puebla)

**Relatore:** VILLATORO TELLO, Abraham (Benemérita Universidad Autónoma de Puebla)

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