

Diffraction Physics in ALICE at the LHC

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Abstract content

Diffraction and photon induced physics is a research area with a remarkable discovery potential at the LHC. ALICE has started a program to exploit its unique capabilities to study the subject in both proton proton and heavy ion collisions. We discuss some aspects of a new subdetector for the ALICE experiment at the LHC. This detector would enhance the performance of ALICE to address some relevant topics on this matter. It consists of four stations of scintillator pads that would tag the diffraction gap more efficiently.

Summary

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