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Central exclusive meson production in proton-proton collisions in ALICE at the LHC

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Central exclusive production at hadron colliders is characterised by the hadronic state produced at or close to midrapidity, and by the two forward scattered protons, or remnants thereof. No particles are produced between the midrapidity system and the forward going beam particles, and such events can hence be identified experimentally by a double gap topology. At LHC energies, central exclusive production in proton-proton collisions is dominated by pomeron-pomeron fusion. I will review the models to describe such reactions, and will discuss the ongoing efforts in the ALICE collaboration to analyse double gap events taken in Run II at the LHC. The prospects of such data taking in Run III will be presented.

Primary author: Mr SCHICKER, Rainer (Phys. Inst., Heidelberg)

Co-author: ALICE COLLABORATION, ALICE (CERN)

Presenter: Mr SCHICKER, Rainer (Phys. Inst., Heidelberg)

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