Contribution ID: **227** Type: **Contributed Talk**

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

Wednesday, 25 March 2020 15:42 (18 minutes)

Central exclusive production at hadron colliders results in a hadronic state at or close to midrapidity, and forward scattered protons. The rapidity range between the midrapidity tracks and the forward scattered system is void of particles, thereby yielding a double gap topology which can be identified experimentally. At the high energies of the LHC, pomeron-pomeron fusion dominates the central exclusive production process in proton-proton collisions. I will summarise the approaches to model such reactions, and will discuss the ongoing efforts in the ALICE collaboration to analyse double gap events taken in Run II at the LHC, with particular emphasis on the strangeness sector. The prospects of such data taking in Run III will be presented.

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Session Classification: Small-x, Diffraction and Vector Mesons

Track Classification: Small-x, Diffraction and Vector Mesons