

Central Exclusive Production at LHCb

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Central exclusive production (CEP) is a singular way to measure cross section as it presents a very clean environment on detector and can be calculated (almost) exactly in many cases. LHCb is one of the four big experiments in LHC accelerator. On LHCb we have a dedicated group to work and search for exclusive processes and the main purpose is to probe and search for new insights on perturbative QCD. My work concerns (i) the measurement of non resonant dimuons cross section in different center-of-mass energies (7, 8 and 13 TeV) and (ii) the measurement of cross section of associated CEP of J/psi and Phi mesons in the same range of energies. In this talk I intend to present the preliminary results of my research. In fact the dimuon search is already on final stage and we can compare with the main QED simulators and see a good agreement. The double meson on other side is almost not covered by the Monte Carlo simulators available but some theoretical previews are at hand.

Summary

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