

Central exclusive production of $\rho\rho$ pairs in proton collision

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Collaboration

Abstract content

We investigate the central exclusive production of $\rho\rho$ pairs in pp collisions at LHC energies. At low central invariant mass this process can be considered as a possible nonresonant background for glueball searches in four-body final states. Above the resonance region nonperturbative production mechanism can be studied. All calculations have been performed using generator GENEX(arXiv:1411.6035 [hep-ph]), specially designed for effective integration of exclusive processes in restricted phase space.

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