Diffraction 2014



ID contributo: 181

Tipo: non specificato

CMS results on multijet correlations

venerdì 12 settembre 2014 09:10 (20 minuti)

We present recent CMS measurements on multijet correlations using forward and low-pT jets, focusing on searches for BFKL and saturation phenomena. In p-p collisions at sqrt(s)=7 TeV, azimuthal correlations in dijets separated in rapidity by up to 9.4 units were measured. The results are compared to BFKL- and DGLAP-based predictions. In p-p collisions at sqrt(s)=8 TeV, cross sections for jets with pT>21 GeV and |y|<4.7, and for minijets with pT>1 GeV are presented. The minijet results are sensitive to the bound imposed by the total inelastic cross section, and are compared to various models for taming the growth of the 2->2 cross section at low pT.

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Classifica Sessioni: Forward physics in Hadron-Hadron Collisions (I)

Classificazione della track: Forward physics in hadron-hadron collisions