XXXVII International Workshop on High Energy Physics "Diffraction of hadrons: Experiment, Theory, Phenomenology"

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Multiplicity distribution and the reflective scattering

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(OFFLINE)

Transition to the reflective scattering mode which has emerged at the highest LHC energy of $\sqrt{s} = 13$ TeV results in a relative shrinkage with the energy of the impact parameter region responsible for the inelastic hadron collisions. Respective increasing role of the multiplicity fluctuations of quantum origin is emphasized.

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