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## Measurement of jet shape observables and their multiplicity dependence in pp collisions at LHC energies with ALICE

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The measurement of jet shapes and their multiplicity dependence in pp collisions at LHC energies can provide insight on the production of jets and the interplay between jet fragmentation and event multiplicity in small colliding systems (pp,pA). In this contribution, we report the results on jet-shape measurements using the ALICE experiment in minimum bias pp collisions at  $\sqrt{s} = 5$ , 7 and 13 TeV and its multiplicity dependence at  $\sqrt{s} = 13$  TeV.

The observables to be presented include jet transverse profile, first radial moment, momentum dispersion and the difference of the leading and subleading track in the jet. The jet transverse profile describes the energy distribution inside the jet cone while the other observables provide complementary information on the jet fragmentation properties. Jets are reconstructed using anti- $k_{\rm T}$  algorithm with varying resolution parameter and jet  $p_{\rm T}$ .

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