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## Measurements of charged particle jet properties in pp collisions at $\sqrt{s} = 7$ TeV using ALICE at the LHC

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We present results of a study of charged particle jet properties in pp collisions at  $\sqrt{s} = 7$  TeV using the ALICE detector.

Jets are reconstructed using charged tracks at mid-rapidity with the anti- $k_t$  [1] jet finding algorithm from FastJet.

We will discuss the transverse momentum dependence of three jet properties: charged particle multiplicity, jet size, and radial distribution of transverse momentum about the jet direction for jets in the  $p_t$  range from 20 to 100 GeV/c. The results are compared with available model predictions. These measurements in pp collisions will form the baseline for similar measurements in the more complex environment of A+A collisions.

### References

[1] M. Cacciari and P. Salam, arXiv:0802.1189v1[hep-ph], 2008.

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