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Measurement of the transverse momentum(j_T) distributions of charged-particle jet fragments in pp collisions at $\sqrt{s}$ = 5.02 TeV with ALICE

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Jet fragmentation can be studied using the transverse momentum (j_T) and longitudinal momentum fraction (z) of constituent particles. The j_T distributions of jet fragments have been measured in pp and p—Pb collisions at $\sqrt{s_{NN}}$ = 5.02 TeV with ALICE, and various parton-shower models reasonably describe the pp results. In this analysis we carry out more detailed measurements of j_T distributions for charged jets in pp collisions, in several z ranges. The z-dependent j_T distributions will be compared with various models to test our current understanding of jet fragmentation and hadronisation. In this poster, the current status and future plans of the data analysis will be presented.

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