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Measurement of jet spectra in Pb-Pb collisions at $\sqrt{s_{NN}}$=2.76 TeV with the ALICE detector at the LHC

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We report a measurement of transverse momentum spectra of ets detected with the ALICE detector in Pb-Pb collisions at $\sqrt{s_N N}$=2.76 TeV. Jets are reconstructed from charged particles using the anti-k_T jet algorithm. The background from soft particle production is determined for each event and subtracted. The remaining influence of underlying event fluctuations is quantified by embedding different probes into heavy-ion data. The reconstructed transverse momentum spectrum is corrected for background fluctuations by unfolding. We compare the inclusive jet spectra reconstructed with R=0.2 and R=0.3 for different centrality classes and compare the jet yield in Pb-Pb and pp events.

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