

Nuclear Experiment

Measurement of the nuclear modification factor of electrons from heavy-flavour decays at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV with ALICE

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We present results on inclusive electrons for $1.5 < p_{\text{T}} < 6$ GeV/c in {Pb-Pb} collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV measured with ALICE at the LHC and compare these to a cocktail of background electron sources. The excess of electrons beyond the cocktail at high momenta ($p_{\text{T}} > 3.5$ GeV/c) is attributed to electrons from heavy-flavour decays. The corresponding nuclear modification factor indicates heavy-flavour suppression by a factor of 1.5-4.

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