



High Energy Physics - Experiment

# Heavy-flavour production in pp and Pb-Pb collisions at ALICE

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In this contribution, recent ALICE measurements of the production cross section of single electrons, single muons and open charmed mesons in proton-proton collisions at  $\sqrt{s} = 7$  TeV are reported. The data are compared to next-to-leading-order perturbative QCD calculations. First open charm signals in Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV are shown.

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