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Nuclear Experiment

Heavy-flavour production in Pb-Pb collisions at the LHC, measured with the ALICE detector

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(Submitted on 20 Jun 2011 (v1), last revised 25 Jul 2011 (this version, v2))

We present the first results from the ALICE experiment on the nuclear modification factors for heavy-flavour hadron production in Pb-Pb collisions at sqrt{s_NN}=2.76 TeV. Using proton-proton and lead-lead collision samples at sqrt{s}=7 TeV and sqrt{s_NN}=2.76 TeV, respectively, nuclear modification factors R AA(pt) were measured for D mesons at central rapidity (via displaced decay vertex reconstruction), and for electrons and muons, at central and forward rapidity, respectively.

Comments: 8 pages, 5 figures, plenary talk at Quark Matter 2011, Annecy,

Subjects: **Nuclear Experiment (nucl-ex)** arXiv:1106.4042v2 [nucl-ex] Cite as:

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