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## Phi meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV at the CERN LHC with ALICE

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Strangeness production provides one of the key observables to characterize the hot and dense state of strongly interacting matter produced in high-energy nuclear collisions. To access this information, ALICE measured phi meson production both in proton-proton and Pb-Pb collisions at  $\sqrt{s_{NN}} = 2.76$  TeV in the dimuon channel, in the rapidity region  $2.5 < y < 4$ . Thanks to these measurements, the nuclear modification factor of the phi meson can be extracted at the LHC energies. Preliminary results of the analysis will be presented, and the future perspectives for the study of low mass dimuon production in Pb-Pb collisions will be discussed.

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