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Flow of strange and charm particles in Pb-Pb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV measured with ALICE

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The ALICE experiment studies Pb-Pb collisions at the LHC in order to investigate the properties of the hot and dense QCD matter at extreme energy densities. Recent results from ALICE in identified particle flow allow for the exploration of the collective properties of the medium created in heavy-ion collisions. Due to their difference in mass, the strange and charm quarks are expected to couple differently to the system in the deconfined phase. In this talk, special attention is given to strange and charm particles which probe the medium differently and thus provide new constraints for the study of its properties. The talk will cover results on elliptic flow for K^+, K^0_s, Λ, Ξ, Ω, Φ, D^0 and D^{*+} measured at midrapidity by ALICE in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. The comparison with available models will also be shown.

Primary author: Mr PEREZ LARA, Carlos Eugenio (NIKHEF (NL))

Presenter: Mr PEREZ LARA, Carlos Eugenio (NIKHEF (NL))

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