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Measurement of the D meson elliptic flow in Pb-Pb collisions at 2.76 TeV with ALICE.

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The ALICE experiment at the LHC studies Pb-Pb and pp collisions with the aim of investigating the properties of the high-density state of strongly-interacting matter, expected to be produced in Pb-Pb collisions. Heavy quarks are sensitive probes to test the medium properties, since they are formed at shorter time scale with respect to the deconfined state. The elliptic flow v_2 of D meson compared to that of light hadrons is expected to bring insights into the degree of thermalization of charm quarks within the quark-gluon plasma. D mesons have been reconstructed in their hadronic decay channels ($D^0 \rightarrow K\pi^+$, $D^+ \rightarrow K\pi^+\pi^+$, $D^{*+} \rightarrow D^0\pi^+$), in the central rapidity region in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV, with data collected in the 2011 run.

The measurement of the D meson elliptic flow in semi-central Pb-Pb collisions will be presented.

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