

Measurements of heavy-flavour decay leptons in Pb-Pb and Xe-Xe collisions with ALICE at the LHC

Thursday, 20 December 2018 14:15 (15 minutes)

In this talk, measurements of RAA and v_2 of open heavy-flavour hadrons via semi-leptonic decays to electrons at mid-rapidity and muons at forward rapidity in Pb-Pb collisions at LHC energies will be discussed. The progresses on the analysis of the production and anisotropy of electrons from beauty-hadron decays will be also discussed. In addition the RAA of heavy-flavour hadron decay leptons in Xe-Xe collisions will be presented, along with the prospects for measuring the total charm cross section in this collision system. Comparisons with model calculations including the interaction of heavy quarks with the hot, dense, and deconfined medium will be also shown.

Type

Parallel talk

Sessions (parallel only)

Heavy Flavor

Primary author: ZHANG, ZUMAN (ccnu)

Presenter: ZHANG, ZUMAN (ccnu)

Session Classification: Heavy Ion Physics

Track Classification: Heavy Ions