

5th International workshop on heavy quark production in heavy-ion collisions



Contribution ID: 10

Type: **not specified**

Suppression and elliptic flow of open charmed mesons

Thursday 15 November 2012 09:00 (30 minutes)

For the first time in ultra-relativistic heavy ion collisions it is possible at the LHC and also at RHIC to measure the suppression and flow of D mesons directly without any contribution from B mesons, giving direct and unbiased insight to the charm quark interactions with the quark gluon plasma. Model calculations and predictions for the nuclear modification factor and elliptic flow of D mesons in ultra-relativistic heavy ion collisions are reviewed and compared to experimental data. Furthermore, the D meson results are put into context with other heavy flavor observables.

Primary author: UPHOFF, Jan (Goethe University Frankfurt)

Presenter: UPHOFF, Jan (Goethe University Frankfurt)

Session Classification: Open charm

Track Classification: Open charm