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review of heavy flavour production in AA collisions

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Heavy-flavour hadrons are effective probes of the Quark-Gluon Plasma which is produced in ultra-relativistic heavy-ion collisions.

Heavy quarks (charm and beauty) are produced in the hard scattering processes at the initial stages of the collision and they subsequently traverse the medium, losing energy in the interaction with its constituents.

Heavy-flavour measurements are hence sensitive to the mechanisms of transport and energy loss of the heavy-quark in the medium.

In this talk, the heavy-flavour measurements performed by experiments at RHIC and at the LHC will be reviewed, and their role in the characterisation of the medium will be discussed.

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