

Measurements of heavy-flavour hadron production with ALICE at the LHC

Friday 16 October 2020 16:05 (25 minutes)

Since the production and hadronisation of heavy-flavour quarks is well-separated within the evolution of a high-energy particle collision, the resulting yields and kinematics of heavy-flavoured hadrons are valuable signals to gain insight in the underlying processes and dynamics of a hadronic collision.

In this contribution, an overview of recent results on heavy-flavour hadron production measured by the ALICE experiment at the CERN LHC is presented. Results from proton-proton, p-Pb, and Pb-Pb collisions are discussed, where the focus is placed on collisions involving heavy ions. Data are compared with available theoretical or phenomenological calculations.

Primary authors: KOHLER, Markus (Ruprecht-Karls-Universitaet Heidelberg (DE)); JAHNKE, Cristiane (Universidade de São Paulo)

Presenter: JAHNKE, Cristiane (Universidade de São Paulo)

Session Classification: Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics

Track Classification: Section 4. Relativistic nuclear physics, elementary particle physics and high-energy physics.