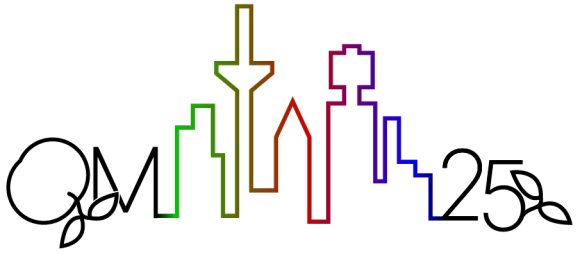

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KK invariant mass-spectrum in UPC PbPb collisions at LHCb

Photon-photon and photon-nucleus interactions in ultraperipheral collisions of nuclei lead to the production of a wide range of particle species, which can be
observed with relatively low backgrounds. The particle species produced include heavy quark and anti-quark pairs, dileptons, vector mesons such as J/psi, and potentially exotic hadrons. The unique geometry and instrumentation of the LHCb spectrometer, combined with the detector particle identification capabilities, provides unparalleled access to hadrons produced in these interactions, which can be identified and reconstructed at very low transverse
momentum. This talk will present new LHCb measurements of the KK mass spectrum produced in ultraperipheral collisions of Pb nuclei, and discuss the detailed structures observed therein.

Category

Experiment

Collaboration (if applicable)

LHCb

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