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【348】 Low-mass dielectron measurements in pp, p-Pb and Pb-Pb collisions with ALICE at LHC

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The measurement of low-mass e^+e^- pairs is a powerful tool to study the properties of the Quark-Gluon Plasma (QGP) created in ultra-relativistic heavy-ion collisions. Since such pairs do not interact strongly and are emitted during all stages of the collisions, they allow us to investigate the full time evolution and dynamics of the medium created.

Measurements in pp and p-Pb collisions are the necessary reference for heavy-ion studies.

In this contribution, I will present low-mass dielectron measurements with the ALICE detector at LHC, in pp, p-Pb and Pb-Pb collisions at different energies. The results will be compared with the expected dielectron yields from known hadronic sources and with theoretical predictions.

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