

Performance of the electromagnetic calorimeter ALICE/PHOS and neutral meson production results

The ALICE experiment at the LHC is designed to explore the properties of the quark-gluon plasma –hot and dense medium produced in ultra-relativistic heavy-ion collisions. The photon spectrometer (PHOS) of the ALICE experiment is a high-granularity PbWO₄ crystal calorimeter which is intended to measure neutral meson spectra and direct photons in different colliding systems.

In this talk we report an overview of the PHOS performance during Run 2 and Run 3 and present recent results from ALICE on the neutral meson measurements in pp, p-Pb, and Pb-Pb collisions.

Section

Heavy ion collisions at Intermediate and high energies

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