

Measurement of neutral mesons in pp collisions at $\sqrt{s} = 5$ TeV with the ALICE EMCAL

Neutral meson production in pp collisions is described by pQCD in a limited kinematic range. Both π^0 and η meson spectra constrain parameters of theoretical models in both perturbative (NLO, NNLO) and non-perturbative regimes (structure function, fragmentation function). Neutral meson spectra in pp are used as a reference for Pb-Pb and p-Pb measurements at the same per nucleon collision energy. Neutral mesons are also sources of decay photons which are a major background for direct photon measurements. We present the current status of measurements of neutral meson spectra carried out by the ALICE experiment in pp collisions at $\sqrt{s} = 5$ TeV with the electromagnetic calorimeter (EMCAL) via the invariant mass technique.

Preferred Track

Jets and High pT Hadrons

Collaboration

ALICE

Author: MATYJA, Adam Tomasz (Polish Academy of Sciences (PL))

Presenter: MATYJA, Adam Tomasz (Polish Academy of Sciences (PL))

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