

Contribution ID : 91

# Status on Performance of the ALICE EMCAL detector and preparations for measurement of high $p_T$ particles in p-p and Pb-Pb events

## Content :

ALICE is a general purpose detector at CERN-LHC designed to carry out comprehensive measurements of high energy nucleus-nucleus collisions, in order to study QCD matter under extreme conditions. The interaction and energy loss of high energy partons in the medium (so-called "jet quenching") can be used as a sensitive probe to study the medium properties. The ALICE's electromagnetic calorimeters (EMCAL+PHOS) provide measurement of particles (electrons, photons and hadrons) over a wide range of  $p_T$ . It also provide a fast (Level 1) and efficient electron trigger at high  $p_T$ . Along with ALICE's excellent central tracking system, the calorimeters enable an extensive study of jet quenching.

In this contribution, the status of EMCAL commissioning and performance is presented, with emphasis on shower reconstruction. We also discuss the status of measurement of high  $p_T$  electrons and photons in p-p events and preparations for particle identification in heavy-ion collisions.

## Collaboration :

ALICE Collaboration

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Session classification : --not yet classified--

Track classification : --not yet classified--

Type : --not specified--