Quark Matter 2012



Contribution ID: 505

Type: Poster

J/psi measurements at ALICE using EMCal-triggered events

Thursday 16 August 2012 16:00 (2 hours)

J/psi measurements can be performed with ALICE through the dilepton decay into electrons (for rapidity |y|<0.9) and muons (for rapidity -4.0<y<-2.5) pairs, in proton-proton, proton-nucleus and nucleus-nucleus collisions. J/psi measurements are very important in Pb-Pb as a probe of the Quark Gluon Plasma (QGP), in order to study mechanisms of suppression or regeneration. Proton-proton collisions are also important for the ALICE physics program, since they provide baseline results to be compared with Pb-Pb. The ALICE Electromagnetic Calorimeter (EMCal) extends the pt range of J/psi measurements, since it provides electron/hadron discrimination for higher pt values in comparison to other electron PID techniques in ALICE. The EMCal can also provide fast triggers for events containing high energy electrons. In this poster, the performance of J/psi measurements using EMCal triggered events will be shown, using results from proton-proton and Pb-Pb collisions taken in 2011.

Author: ALICE, Collaboration (CERN Geneva, Switzerland)
Co-author: ARAUJO SILVA FIGUEREDO, Marcel (Universidade de Sao Paulo (BR))
Presenter: ARAUJO SILVA FIGUEREDO, Marcel (Universidade de Sao Paulo (BR))
Session Classification: Poster Session Reception

Track Classification: Heavy flavor and quarkonium production