Contribution ID : **59** Type : **not specified**

Elucidating the origin of the apparent strangeness enhancement with multiplicity in the jet-like region measured in pp collisions at 13 TeV

Content

The ALICE collaboration has measured the production of $K^{0}{S}and\Xi^{\pm}inppcollisionsat\sqrt{s}=13TeVinthedire
to−leadingandthetoward−leading(jet−like)regions.Althoughtheenhancementinthetransverse−
to−leadingregion,whichissensitivetotheunderlyingevent,canbeunderstoodasduetomedium(−like)effects,theenhanceme
likeregionisstriking.Theeffectinthejet−likeregionisqualitativelyreproducedbyPYTHIA8withropehadronizationandEP
freep_{T}leadingthresholdforangularcorrelationstudiesinvolvinghighp_{T}hadronsisreported,wheretheleadingpartic
leading threshold, the apparent strangeness enhancement in the jet-like region can be explained in terms of a bias due to the misidentification of the leading particle.

Summary

Primary author(s) : VÁZQUEZ CAMPOS, Victor (Universidad Nacional Autónoma de México)

Co-author(s) : Dr. SAHU, Dushmanta (Instituto de Ciencias Nucleares); ORTIZ VELASQUEZ, Antonio (ICN, UNAM); Ms. VARGAS TORRES, Paola (UNAM)

Presenter(s) : VÁZQUEZ CAMPOS, Victor (Universidad Nacional Autónoma de México)