



Contribution ID: 185

Type: **Parallel Session Talk**

Pion and Kaon multiplicities in SIDIS from COMPASS

Tuesday 9 April 2019 14:17 (17 minutes)

We present preliminary COMPASS results on pion and kaon multiplicities produced in semi-inclusive deep inelastic scattering of 160 GeV muons off a pure proton (LH₂) target. The results constitute a large data set of more than 600 points for pions and 600 for kaons, covering a large x , Q^2 and z domain in a fine binning. The results from the sum of the z -integrated multiplicities $M^{\pi^+} + M^{\pi^-}$ and $M^{K^+} + M^{K^-}$ and their ratio M^{π^+}/M^{π^-} and M^{K^+}/M^{K^-} are presented versus x and compared to previous COMPASS results on deuteron and other experiments like EMC and HERMES.

Primary author: PIERRE, Nicolas (Université Paris-Saclay (FR))

Presenter: PIERRE, Nicolas (Université Paris-Saclay (FR))

Session Classification: WG6: Spin and 3D structure

Track Classification: WG6: Spin and 3D structure