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# Pion and Kaon multiplicities in SIDIS from COMPASS

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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 ($LH_2$) 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 $M^{\pi^+}/M^{\pi^-}$ 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))

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