

Production of Pions/Kaons in Different Elements Relative to Carbon in NuMI.

The production rate of pions/kaons, which decay into neutrino incident at NOvA, in iron and helium relative to that in carbon is shown as a function of x_F and p_T . Simulations are done with the medium energy horn configuration in G4NuMI for neutrinos incident at NOvA Near Detector. Results are shown for Forward Horn Current(Focus-Positive) vs Reverse Horn Current for two hadron cross section models.

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