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Loop corrections to pion and kaon production

Saturday 8 July 2017 10:15 (15 minutes)

In this talk we present results of our study of the next-to-leading order corrections to deeply virtual pion and kaon production in neutrino experiments. We estimate these corrections in the kinematics of the Minerva experiment at FERMILAB, and find that they are sizable and increase the leading order cross-section by up to a factor of two. Also, we estimate the cross-sections of the charged-current mediated pion and kaon production in electron-induced processes.

Experimental Collaboration

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