interaction products produce Cherenkov rings. >Most dominant interaction at T2K flux: peak - charged current quasi–elastic (CCQE) > interaction of V and \overline{V} : $V_1 + n \rightarrow l^- + p$; $\overline{V}_1 + p \rightarrow l^+ + n$. Event samples currently used in T2K analyses

2021



- remove NC1 π ± background.



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Multi-ring charged current $v1\pi^+$ samples at T2K far detector

Lakshmi S Mohan, National Centre for Nuclear Research, Warsaw, For T2K collaboration Weak Interactions and Neutrinos conference, 2021

3. Shimpei Tobayama, "An Analysis of the Oscillation of Atmospheric Neutrinos", PhD Thesis, 2010



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