## Abstract Submitted for the APR11 Meeting of The American Physical Society

The TPCs of the T2K experiment KENDALL MAHN, TRIUMF, T2K COLLABORATION — The Tokai-to-Kamioka long baseline neutrino experiment (T2K) produces a beam of muon neutrinos in order to make precise measurements of neutrino mixing parameters in the atmospheric sector  $(\Delta_{m23}^2, \sin^2(\theta_{23}))$  and possibly of  $\theta_{13}$ . In order to measure oscillation, the initial rate of neutrinos is sampled at the near detector (ND280) complex, which hosts three Time Projection Chambers (TPCs), integral to the reconstruction of neutrino events. The construction, successful operation and performance of these next-generation detectors will be presented.

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