

## The T2K TPC calibration tools and relation to physics results

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The time projection chambers (TPCs) of the near detector complex, ND280, of the T2K experiment, are presently the main tool for both the tracking and particle identification of charged particles. The calibration of TPCs comprises two main steps: the “low level calibration” (requiring no reconstruction input), related to the charge calibration, and important for the particle identification; and the “high level calibration” (using reconstruction input), including from the drift velocity calibration up to the corrections applied for electric and magnetic field distortions. We present a summary collection of the methods and tools used, and results demonstrating the importance of the calibration effort for the present and future physics results.

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