

Construction of an Electromagnetic Calorimeter for ND280 and the T2K collaboration

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T2K (Tokai to Kamioka) is a 295km long-baseline experiment in Japan, due to start taking commissioning data late this year. It is designed to measure muon-neutrino oscillations to other flavours. In particular, it has the primary goal of measuring the mixing angle θ_{13} . One of the UK's contributions is the construction and calibration of an Electromagnetic Calorimeter (ECal) for the near detector, ND280, situated 280m downstream from the neutrino production target. This talk will present an update on the construction of one module of ND280, the Downstream ECal. It will summarise results from the quality assurance of the materials, and the work involved in creating the module. The module is now complete and currently collecting cosmic ray data at RAL. It is due to be shipped to CERN for testbeam studies in April.

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