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Construction of an Electromagnetic Calorimeter for ND280 and the T2K collaboration

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T2K (Tokai to Kamioka) is a 295km long-baseline neutrino experiment in Japan, which is due to start taking commissioning data late in 2009. It is designed to measure muon-neutrino oscillations to other flavours. This will enable the measurement of some of the components of the MNSP mixing matrix. One of the UK's main contributions is the construction 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 construction of one of the ECal modules for ND280, the Downstream ECal, which is being built at Lancaster University. In addition, quality assurance tests of the scintillator bars will be discussed.

Talk, Poster, or Talk & Poster

Talk

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