

Abstract Submitted
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Electronics for a Liquid Scintillator Neutrino Detector ERICA CADEN, CHARLES LANE, Drexel University, DOUBLE CHOOZ COLLABORATION — Double Chooz is a neutrino oscillation experiment with a two detector design located in Chooz, France. We have developed and tested a new electronics system to be used for the experiment. The electronics needed to read our signals must amplify PMT signals and send them to be digitized, handle muons that cause dead time in our detector, provide the trigger with well formed pulses, and monitor the performance of the detector. I will discuss the development and testing of these “Front End Electronics,” their integration into the far-detector site, and their performance with the rest of the detector.

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