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Cold electronics preparation for the protoDUNE experiment

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The main purpose of the DUNE experiment is to measure the CP-violation phase in long-baseline neutrino oscillations with a liquid-argon detector of unprecedented size. The DUNE detector will consist of a liquid-argon Time Projection Chamber. The protoDUNE detectors at CERN are prototypes of the full-scale DUNE experiment; their operation will provide important input for the success of DUNE. Cold electronics is one of the most challenging topics for DUNE and protoDUNE. The functionality of the front-end motherboard and warm interface board needs to be understood at a detailed level. In this talk, the integration test plan, as well as results of tests of the protoDUNE cold electronics will be presented.

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