

SCREAM SINGLE CCD READOUT MODULE

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ABSTRACT

The SCREAM project (Single CCD Readout Module) was initiated to design a compact low-cost, 2-channel single charge-coupled device (CCD) readout system. A C++ software program was written to test the function of a prototype readout circuit board system. During testing the prototype circuit board was found to have several repairable design problems. Based on these findings, a new readout circuit board will be fabricated after further testing of the prototype. Eventually, the SCREAM readout board will be used for testing CCDs in a test cube at Fermilab before they are installed in instrumentation.