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Test of the Optical Readout of the UConn TPC Detector[1] TRISTAN KADING, MOSHE GAI, UConn, KAI TITTLEMEIER, VOLKER DANGENDORF, PTB — The UConn Time Projection Chamber (TPC) detector is being constructed as a UConn-Yale-Weizmann-PTB-TUNL-LLN collaboration to measure at the HIγS at TUNL the ^{16}O(γ,α)^{12}C reaction of importance for stellar evolution theory. We are currently constructing the readout system of this TPC using the optical chain of the CERN-CHORUS neutrino experiment. The Contrast Transfer Function (CTF) across the entire chain was measured at the Lab at PTB, Braunschweig, Germany, using a CCD camera and it was found be sufficient (sub-millimeter resolution) for resolving the expected tracks of particles in the TPC. Results of this measurement will be presented.

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