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Test Beam Campaign with the sPHENIX TPC Prototype HENRY KLEST, Stony Brook University, SPHENIX COLLABORATION — The sPHENIX experiment will utilize a Time Projection Chamber (TPC) as the central tracker. The goal of the TPC is to perform precise upsilon spectroscopy and jet measurements, both of which require high tracking efficiency and excellent momentum resolution.

The sPHENIX collaboration produced a small-scale prototype TPC that features a full-sized version of the readout module and the nearly final readout electronics. This prototype was tested at Fermilab using a beam of 120 GeV protons. The results of this test-beam campaign will be discussed in this presentation.

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