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Studies with the Cornell/Purdue prototype TPC

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The Cornell/Purdue prototype TPC, first commissioned in December 2004, has an active area of 10cm square and a drift length of 64cm. The present readout includes 56 channels of 14 bit, 105 MHz, flash-ADCs. Revised readout pad boards, installed in March 2006, include a combination of 5mm and 2mm pads. Recent studies of various gas-amplification devices will be discussed. These include Purdue-3M Micromegas, the Saclay produced bulk Micromegas, and GEMs.

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