

Abstract Submitted
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Particle identification in the Time Projection Chamber at SPring8/LEPS TAKAHIRO SAWADA, HISAKO FUJIMURA, YUJI KATO, TAKASHI NAKANO, MASAYUKI NIYAMA, LEPS COLLABORATION — We study $\Lambda(1405)$ photoproduction from C, CH₂, and Cu nuclei with Time Projection Chamber (TPC) detector at the SPring-8/LEPS beamline. The photon beam with 1.5-2.9 GeV is produced by backward Compton scattering laser photon from 8 GeV stored electrons. Particle identification (PID) is allowed by dE/dx and momentum measurements with TPC. A good PID capability, that is good $\pi/p/K$ separation, is crucially important in order to exclude background contribution caused by miss particle identification. In this talk, the current status of the PID will be presented.

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