Crosstalk Studies of a Time Projection Chamber\textsuperscript{1} JONATHAN RYER, University of Illinois Urbana-Champagin — The crosstalk between various pads of a Time Projection Chamber (TPC) developed for the experiment MuSun was studied. Crosstalk between TPC pads must be studied and understood in order for proper muon path reconstruction to be obtained. A printed circuit board was developed to use capacitive coupling to transmit a signal pulse onto the TPC, where the crosstalk of the transmitted signal was studied.

\textsuperscript{1}The author would like to thank Shell Foundation for their research supporting fellowship.