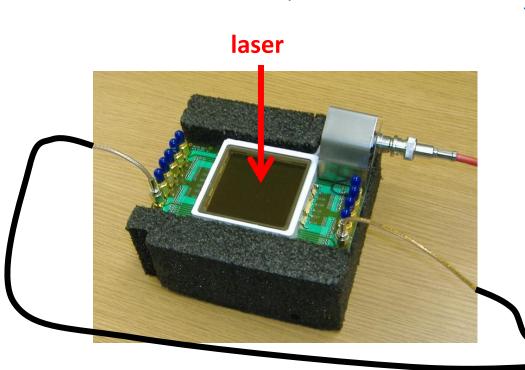
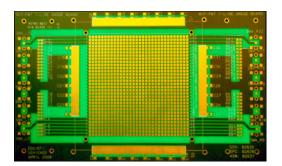
## Transmission Line-MCP readout with PSEC-3





2" x 2" Burle Planacon w/ custom PCB T-Line board





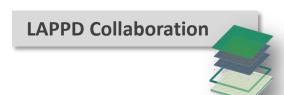
F. Tang - UChicago

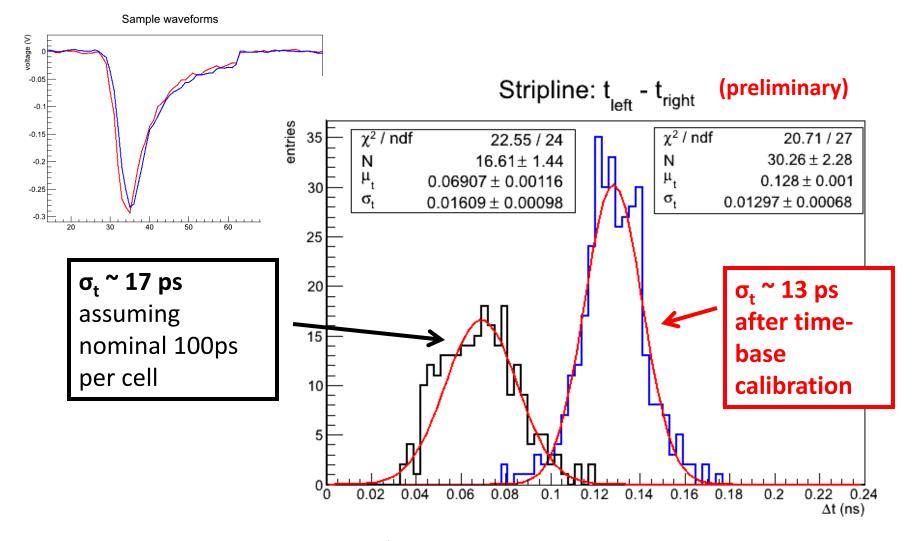


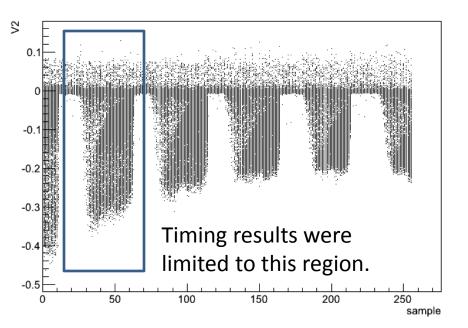
\*Setup includes ~40 dB amplifier

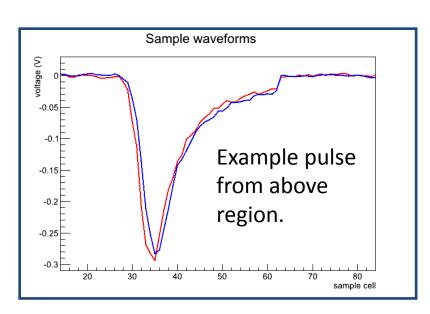
PSEC-3 sampling @ 10 Gsa/s

## Transmission Line-MCP readout with PSEC-3

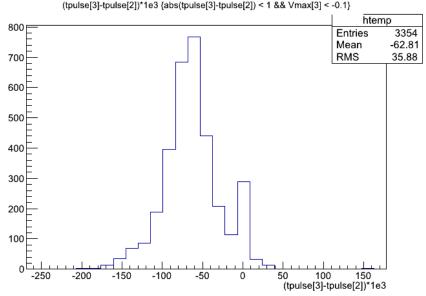




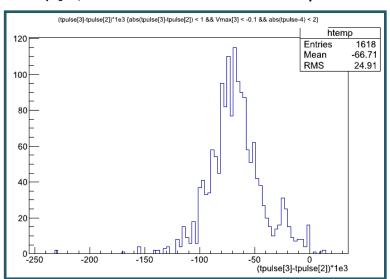




 $N_{pe}$  < 10 based on: (pulseheight)<sup>2</sup> / (pulseheightrms)<sup>2</sup>



Timing over full window (above) and restricted window (below) [w/ cuts to remove noise-only waveforms]



All timing based on 20% constant fraction. (No optimized of fraction performed.) These results w/ no timing calibration.