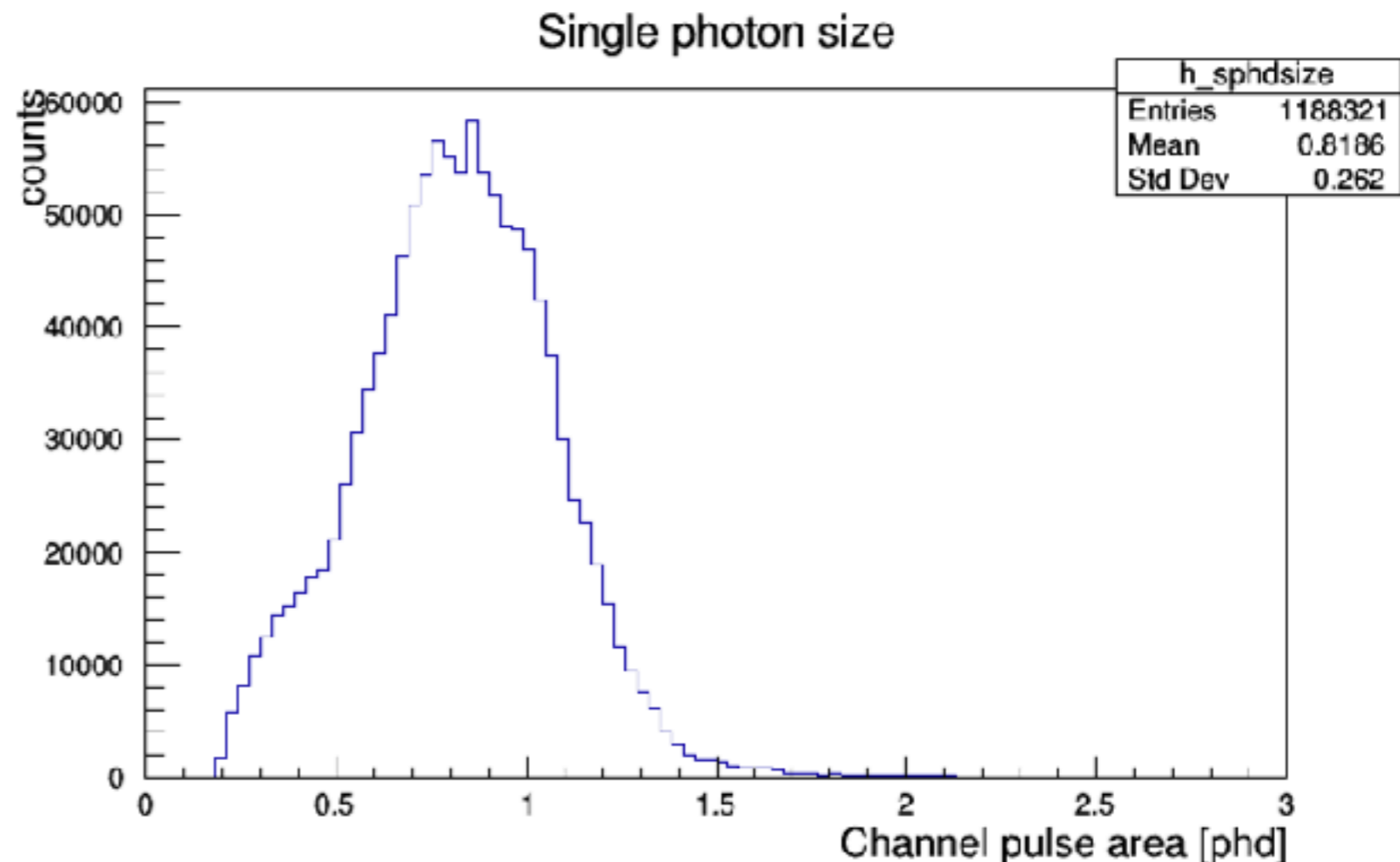


# Single PE size

- LZ recently released simulated data for its 1st Mock Data Challenge (MDC1).
- Working on looking at the sizes of single photoelectrons (PE) found by the analysis chain.
- The single PE detected by PMT can produce 1 photon or 2 photons (~20% of the time).
- Expect the single PE to have an average near 1 phd (“photon detected”).



(above) Pulse area detected for pulses identified as single PE where only 1 PMT triggered for the pulse. The data is from the MDC1 July 20-23, 2017 datasets.