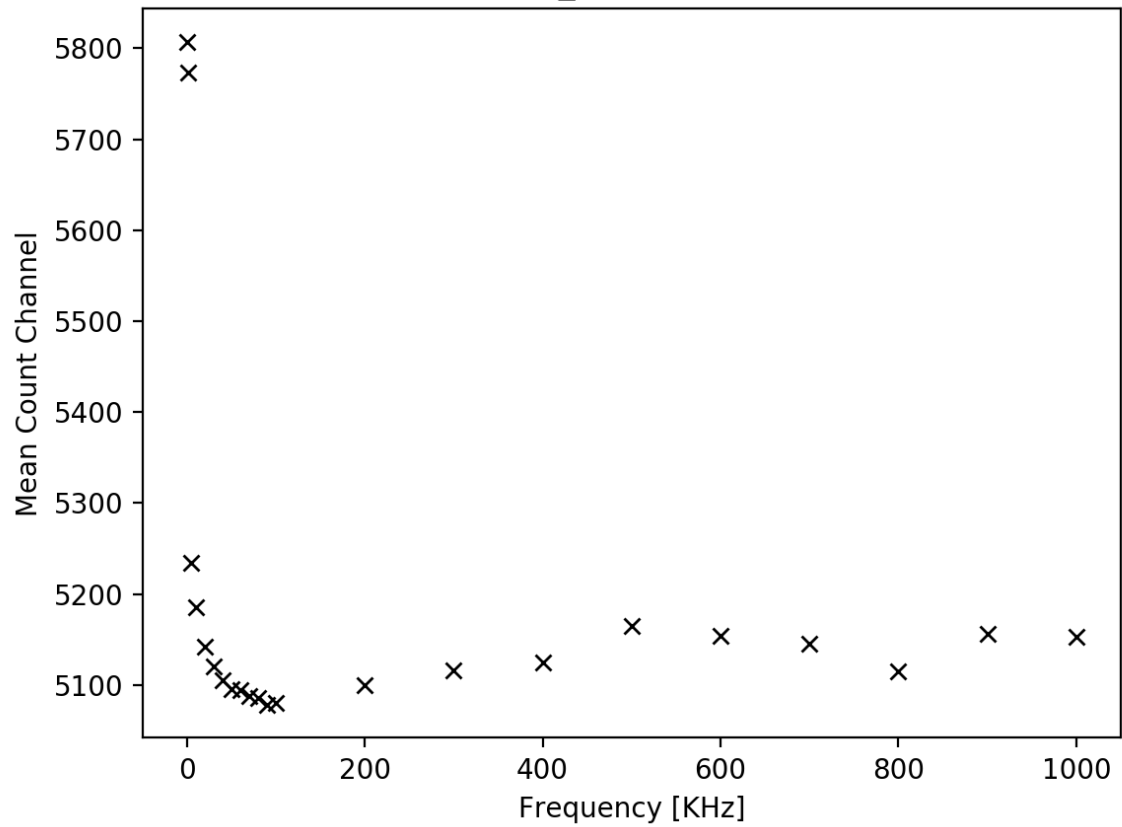


15/03/2017 Adam Knoetze

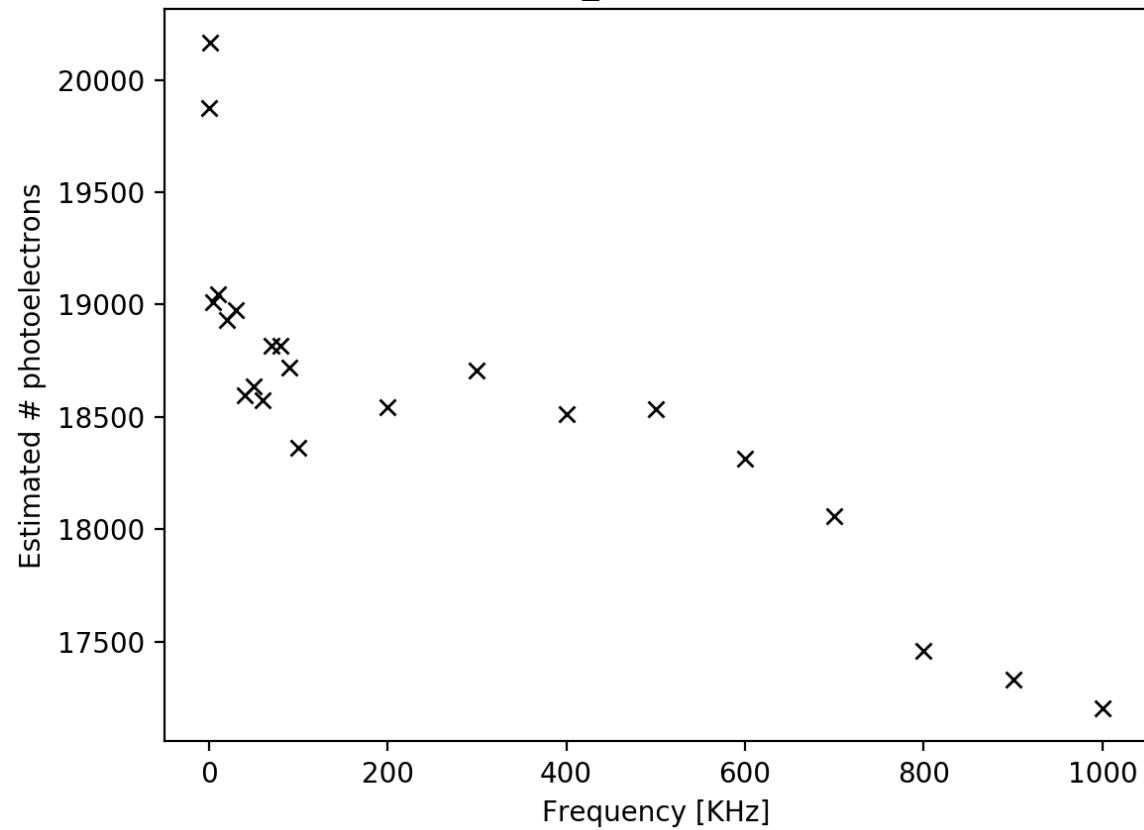
- Measurements over a range of LED frequencies with set peak current ($I = 10\text{mA}$)
- Collected some emulator data for talk and report
- Tried to take data with UCL base at low frequencies
 - Not working in the same manner as before pins added to last dynode and ground
 - Double peaked (Gaussian?) rather than a single Gaussian peak
- Took using UCL base at 1kHz, 10kHz and 500kHz to show change in single/double peak at different PMT voltages
 - 500V + in 100V steps

With $I_p = 10\text{mA}$

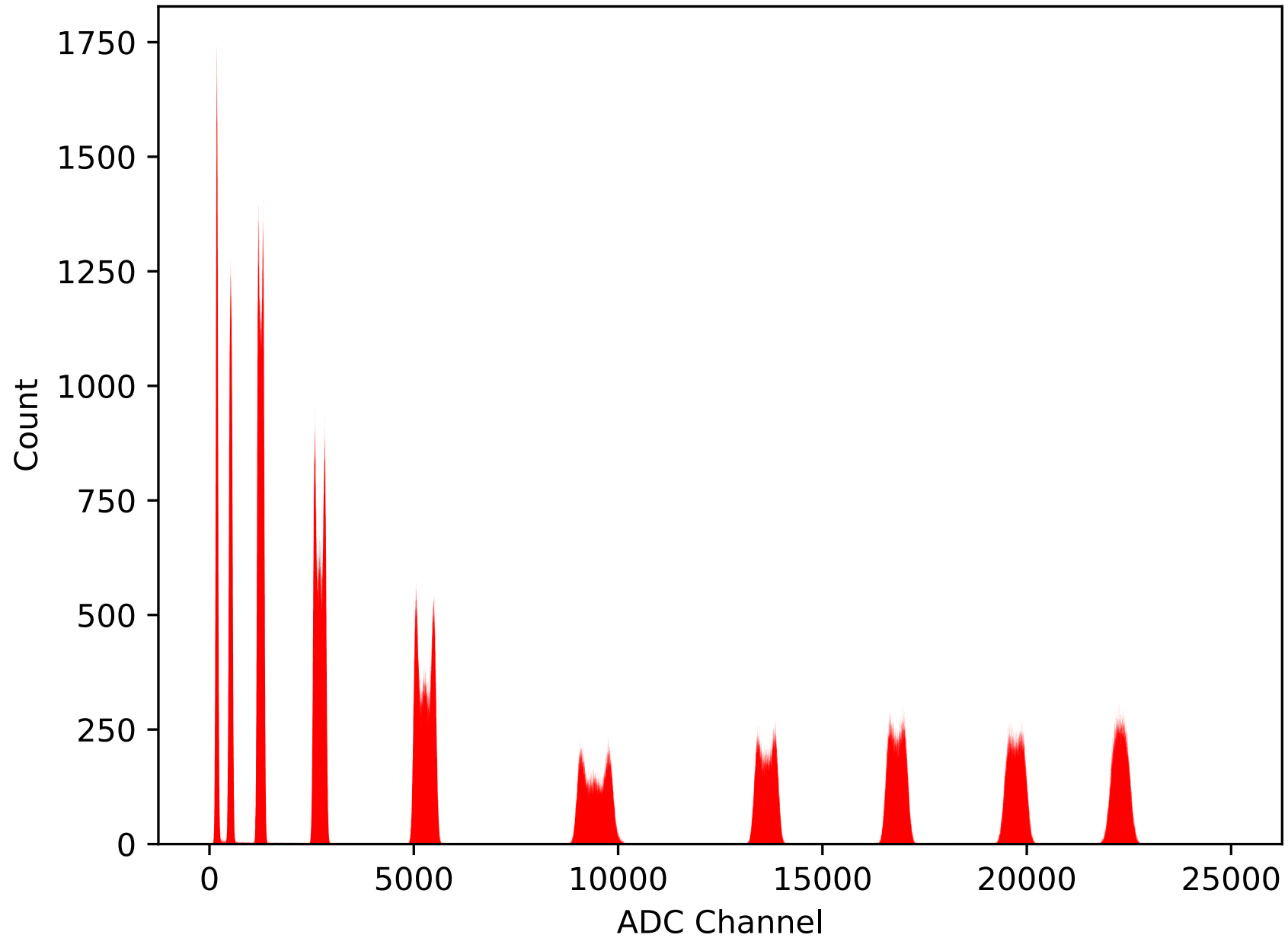
Hamamatsu PMT - $I_{\text{peak}}=10\text{mA}$ - 2.22V - 900V



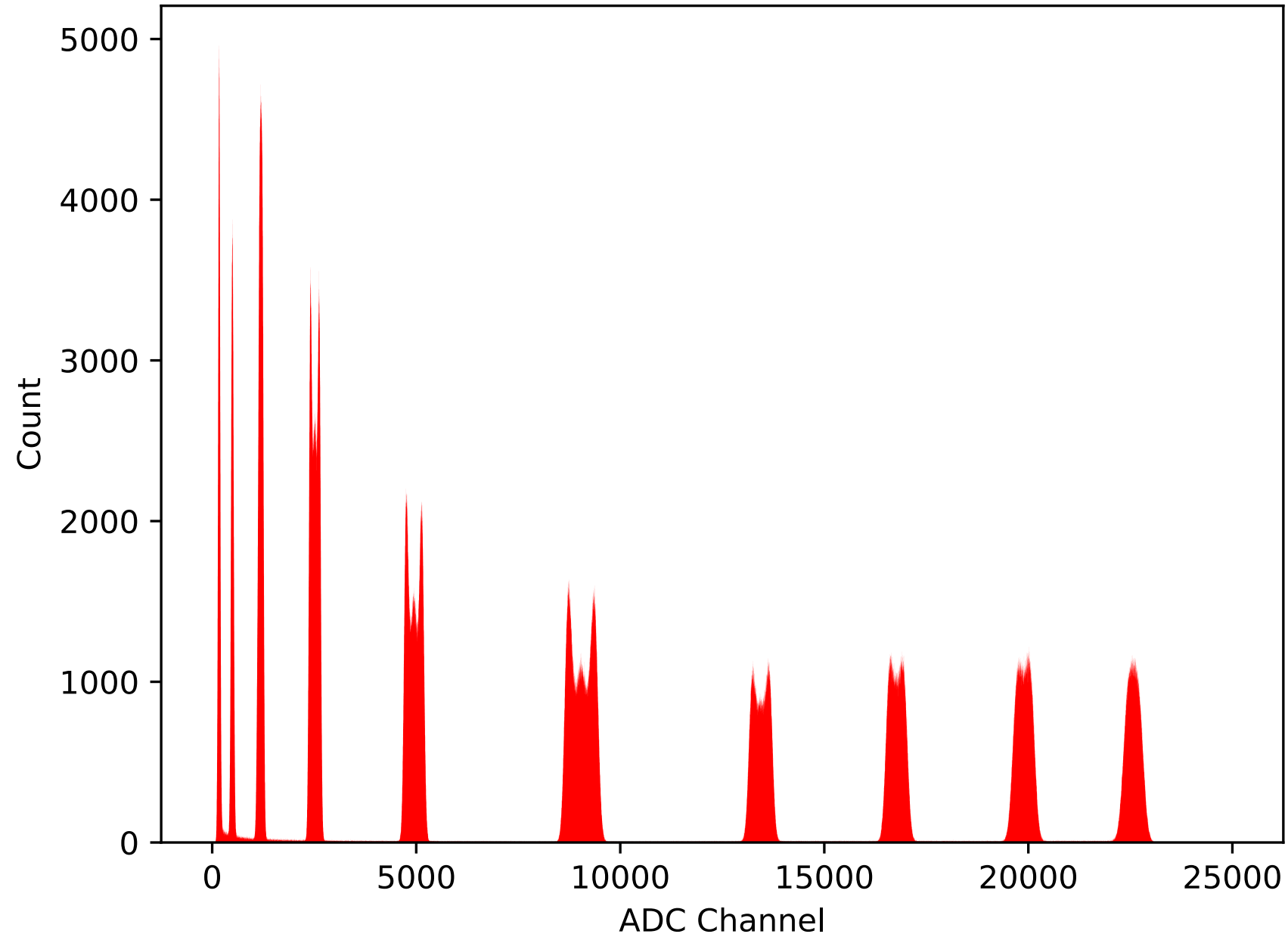
Hamamatsu PMT - $I_{\text{peak}}=10\text{mA}$ - 2.22V - 900V



Combined ADC Spectra for Varying Set PMT Voltage
LED: 1kHz, 2.10mV



Combined ADC Spectra for Varying Set PMT Voltage
LED: 10kHz, 2.10mV



Combined ADC Spectra for Varying Set PMT Voltage
LED: 500kHz, 2.10mV

