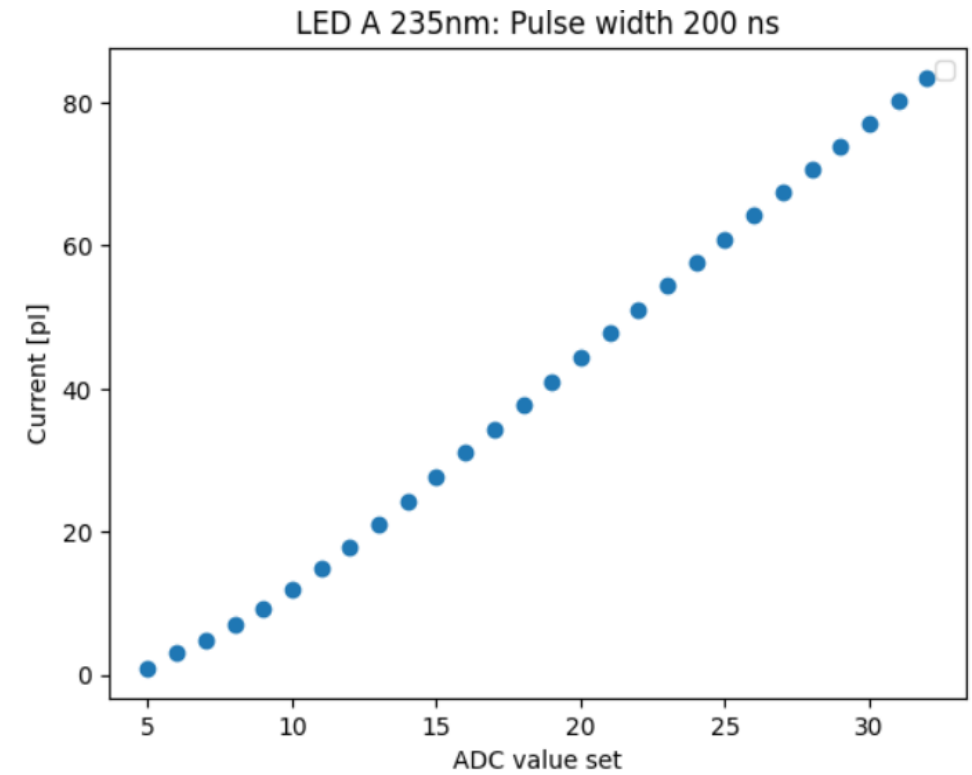
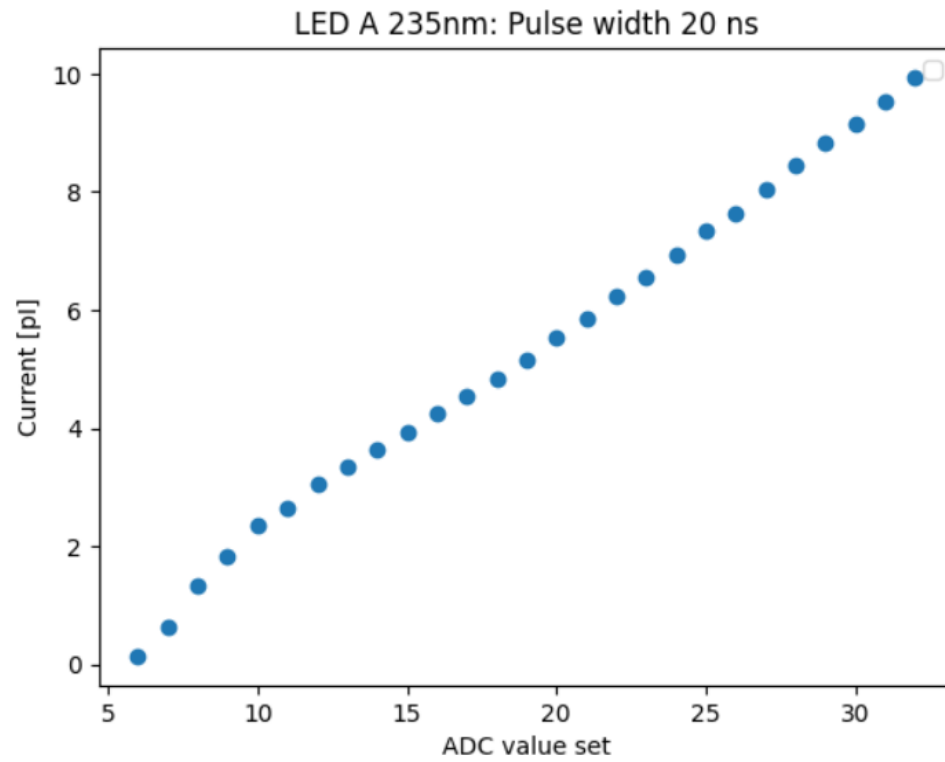


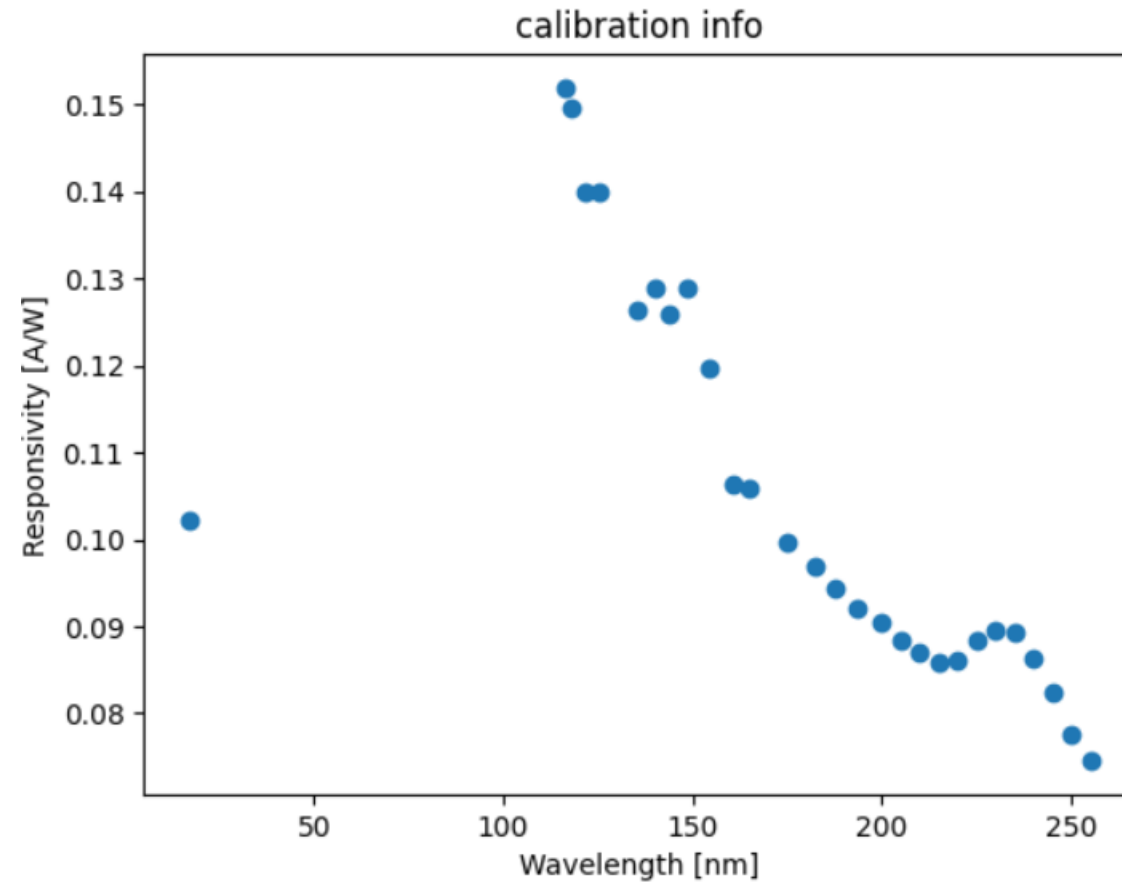
The background of the slide is an abstract geometric pattern composed of numerous overlapping triangles. The colors transition from a warm orange and yellow on the left side to a cool blue and teal on the right side, creating a gradient effect. The triangles vary in size and orientation, giving the background a textured, crystalline appearance.

LED Board Calibration

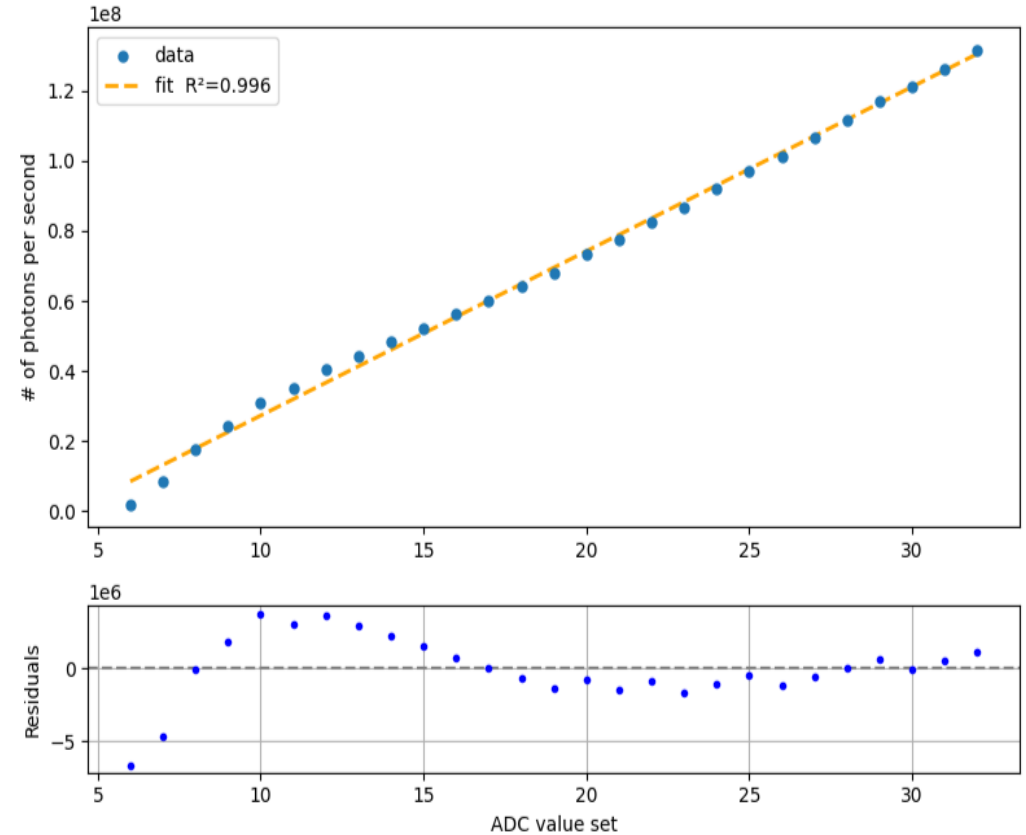
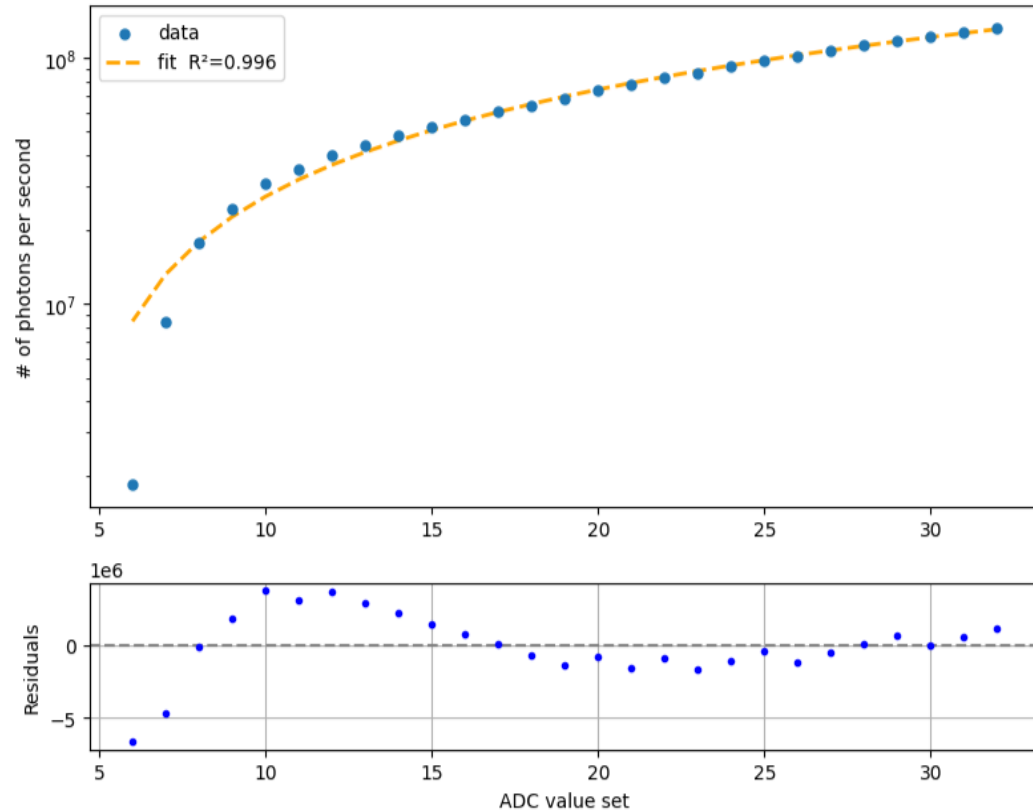
Photodiode response



Photodiode calibration



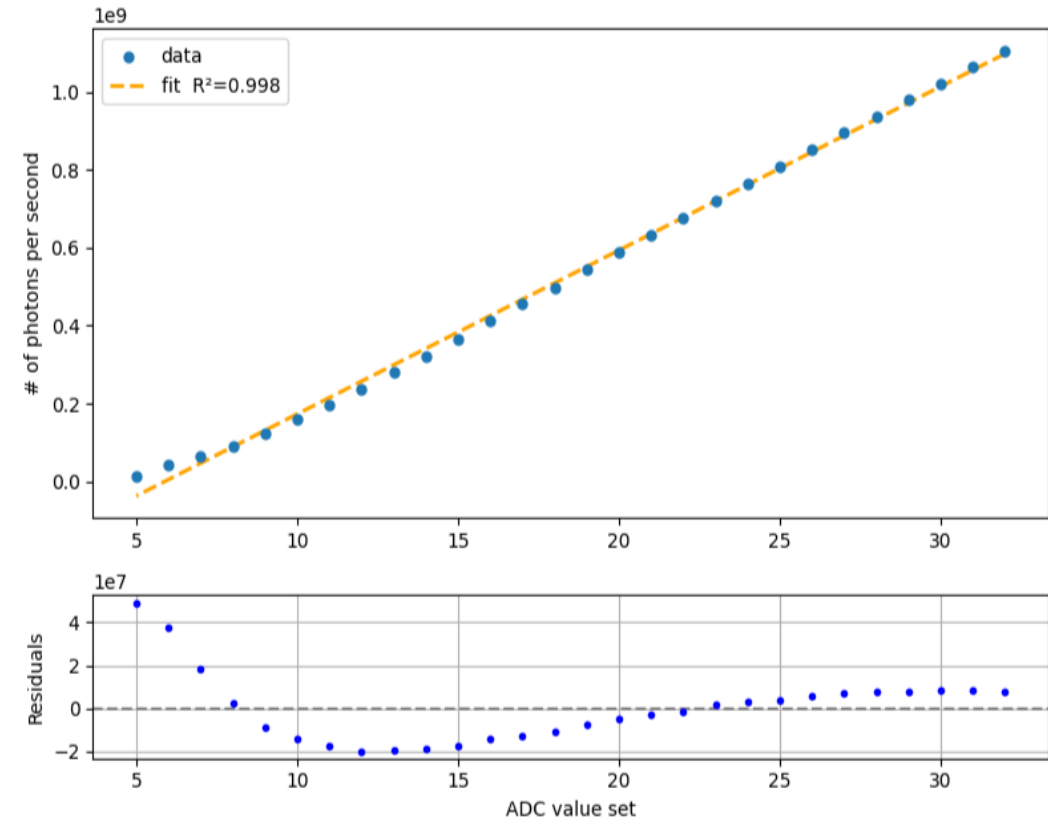
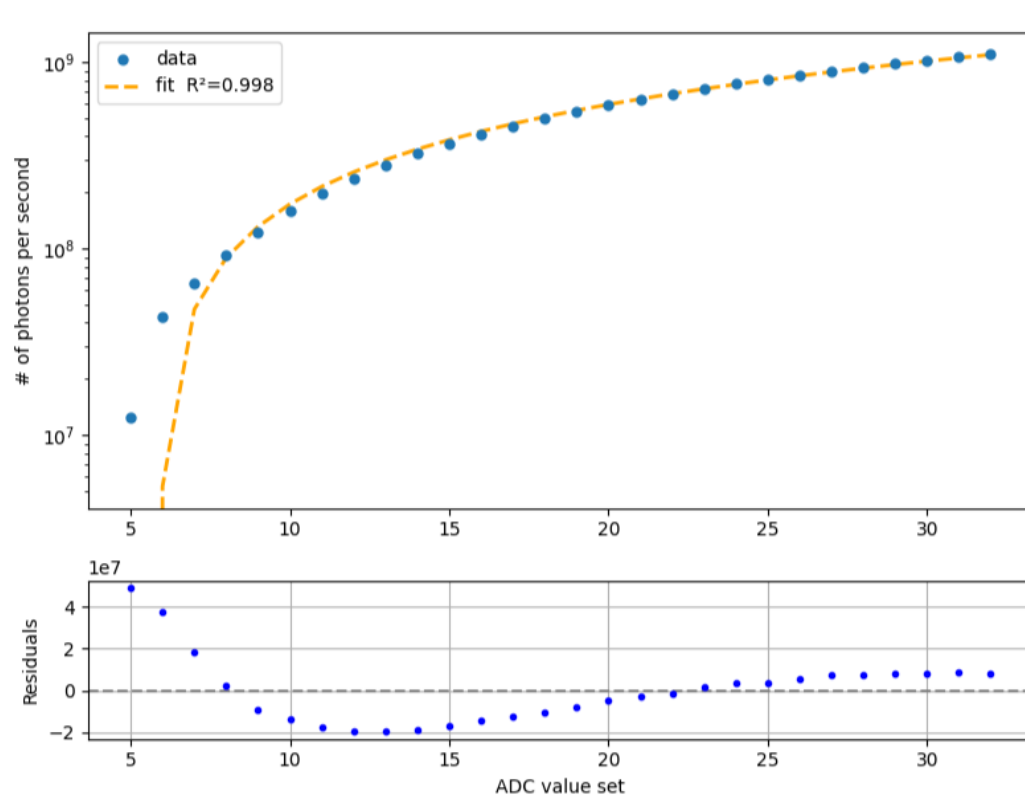
Pulse width: 20 ns



$$\gamma/s(V) = 4.7 * 10^6 V - 2.0 * 10^7$$

For SPE, with 1kHz frequency we would need a voltage of $\approx 4 V$ for LED A. From the photodiode calibration we took data til **6V**

Pulse width: 200 ns



$$\gamma/s(V) = 4.2 * 10^7 V - 2.5 * 10^8$$