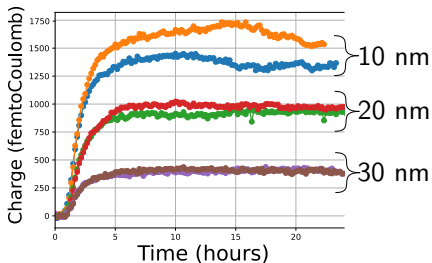


How to Check if the Bartender Watered Down Your Liquid Xenon

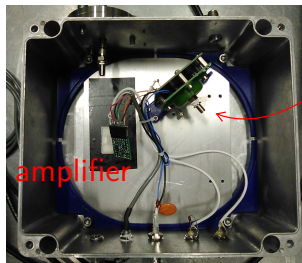
Pierce Comerford

Science Week (woo!), July 2024



$$\tau_e = \frac{1}{\sum_i k_i C_i} \approx \frac{1}{k_{O_2} C_{O_2}}$$

k_{O_2} = Electron attachment rate on O_2
 C_{O_2} = O_2 impurity concentration (ppm)



photocathode

