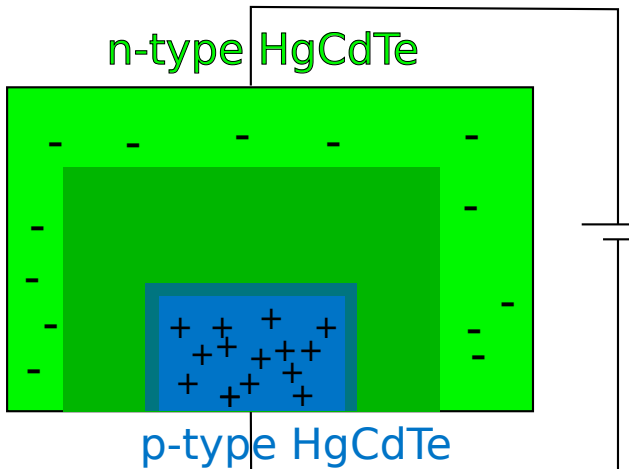
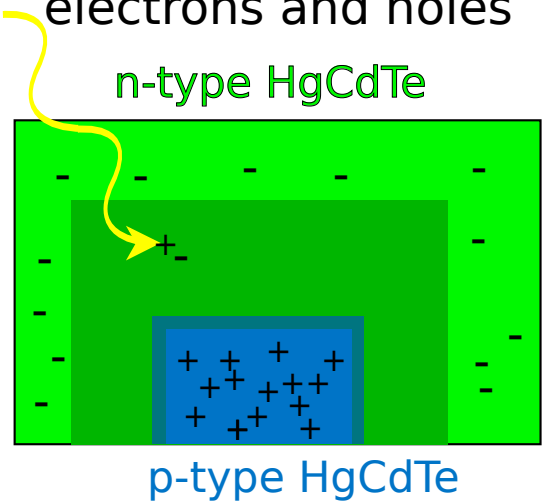


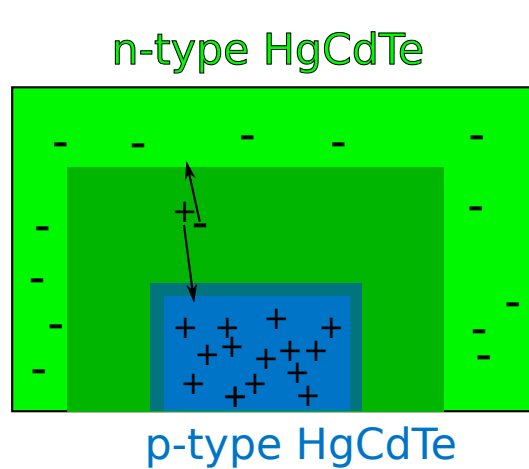
Reset voltage applied
(reverse bias)



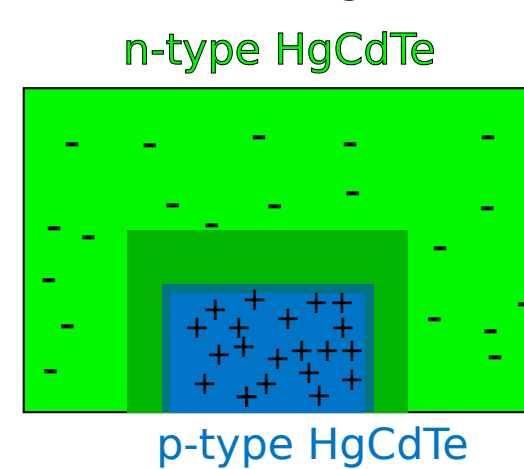
Photons strike depletion region, creating pairs of electrons and holes



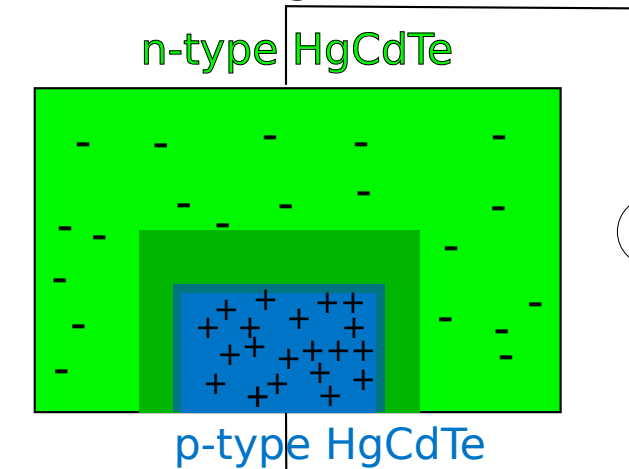
Charges move in response to electric field



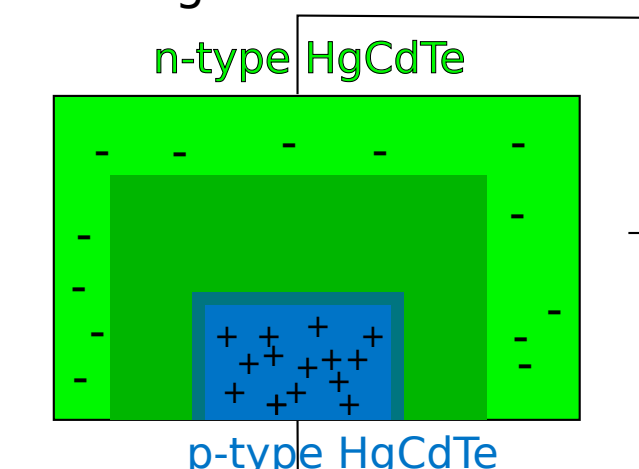
Depletion Region decreases in size as mobile charges build up



The number of photons is counted by measuring the voltage across diode



Reset voltage applied, beginning next integration



Photons strike depletion region again

