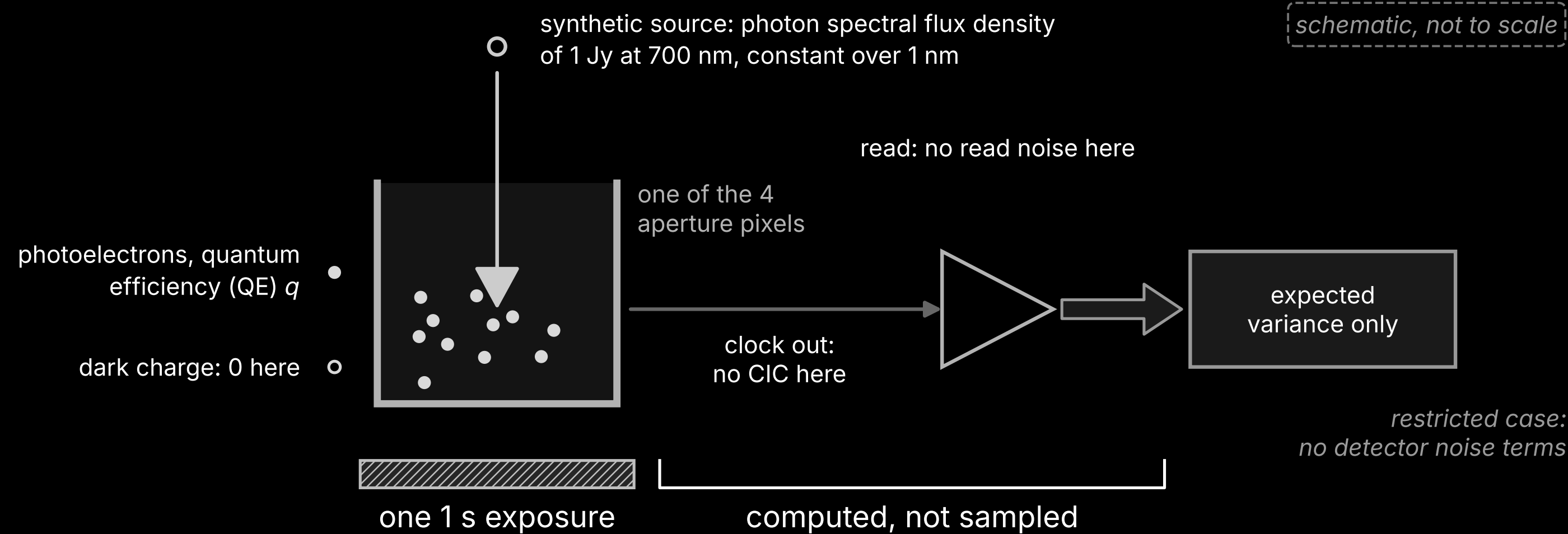




photon spectral flux density of 1 Jy at 700 nm

21 559.86 photon s⁻¹ m⁻² nm⁻¹

x 1 m² x 1 nm x 1 s: photons on the 4 pixels

21 559.86 photons

x QE $q = 0.5$: summed expected photoelectrons

10 779.93 e

summed Poisson variance, equal to that mean

10 779.93 e²

dark charge, CIC, read noise

0

the variance is computed from the model, not sampled: no stochastic readout