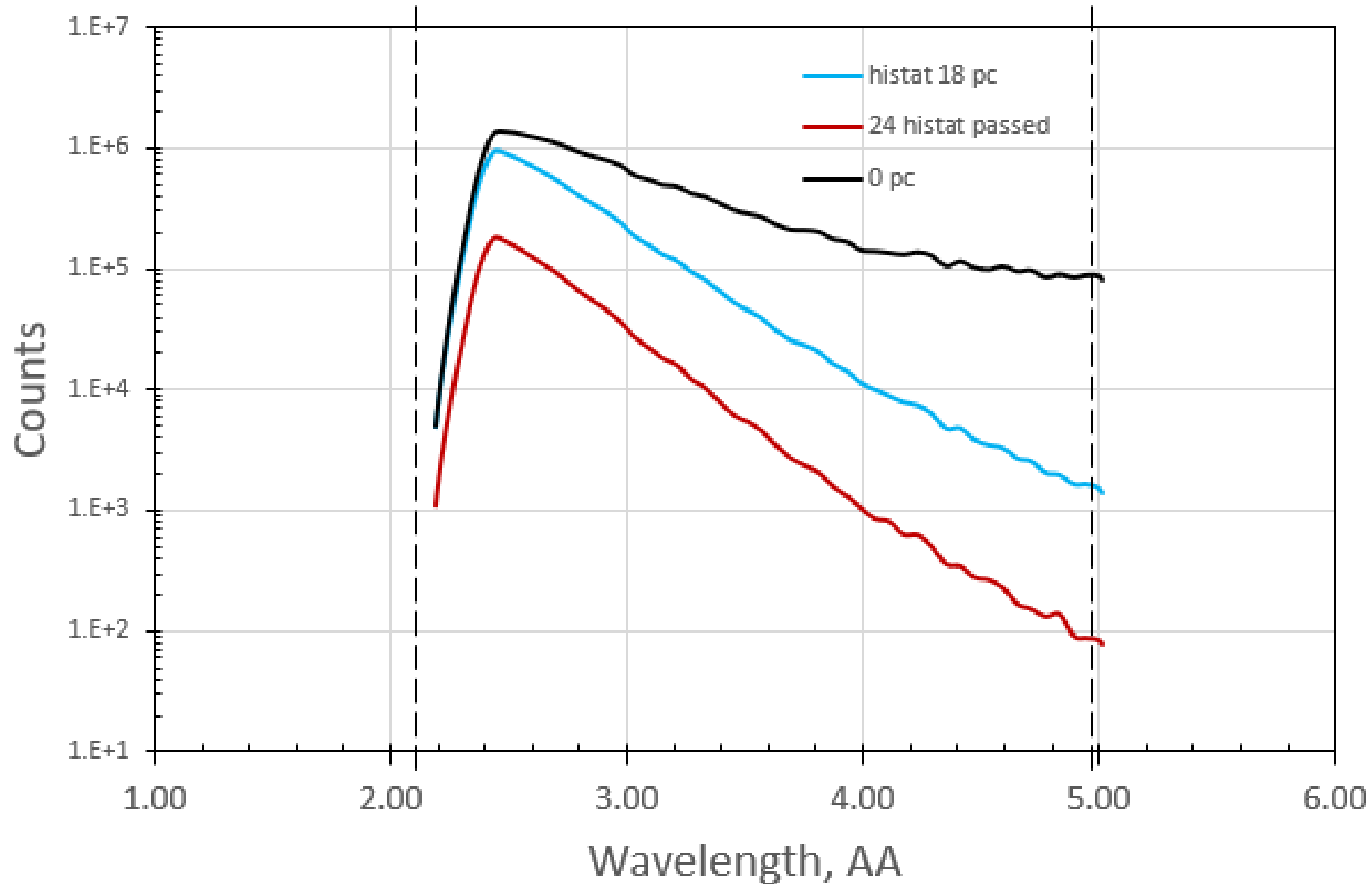


Small update on simulation

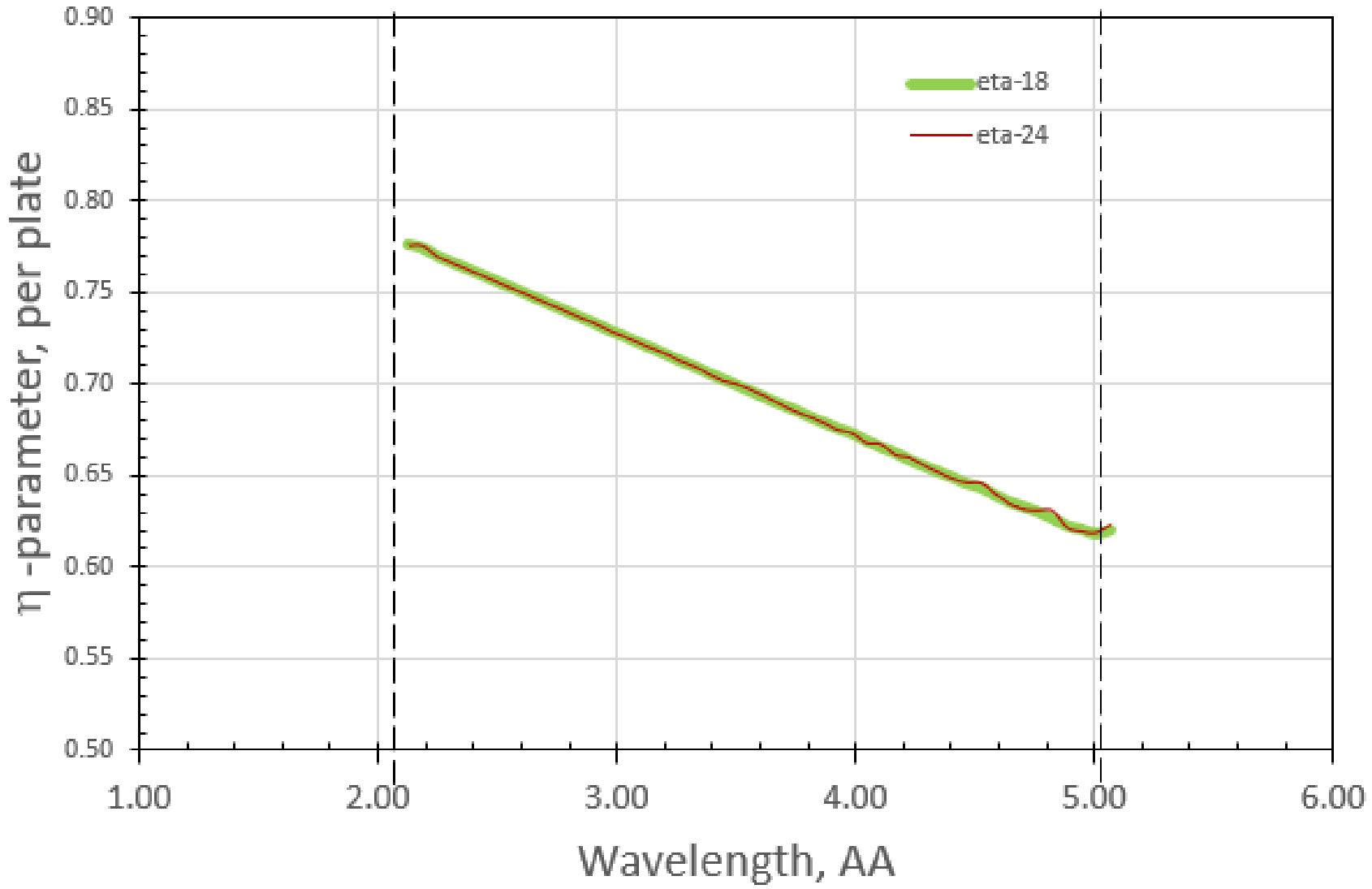
While waiting for new simulations from Lawrence > June 3

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PHITS: wavelength spectra for prompt passing neutrons
after 0 pc, 18 pc and 24 pc plates



Attenuation η per plate vs wavelength for 18 pc and 24 pc plates



$$N_k(\lambda) = F_0 \eta(\lambda)^k$$

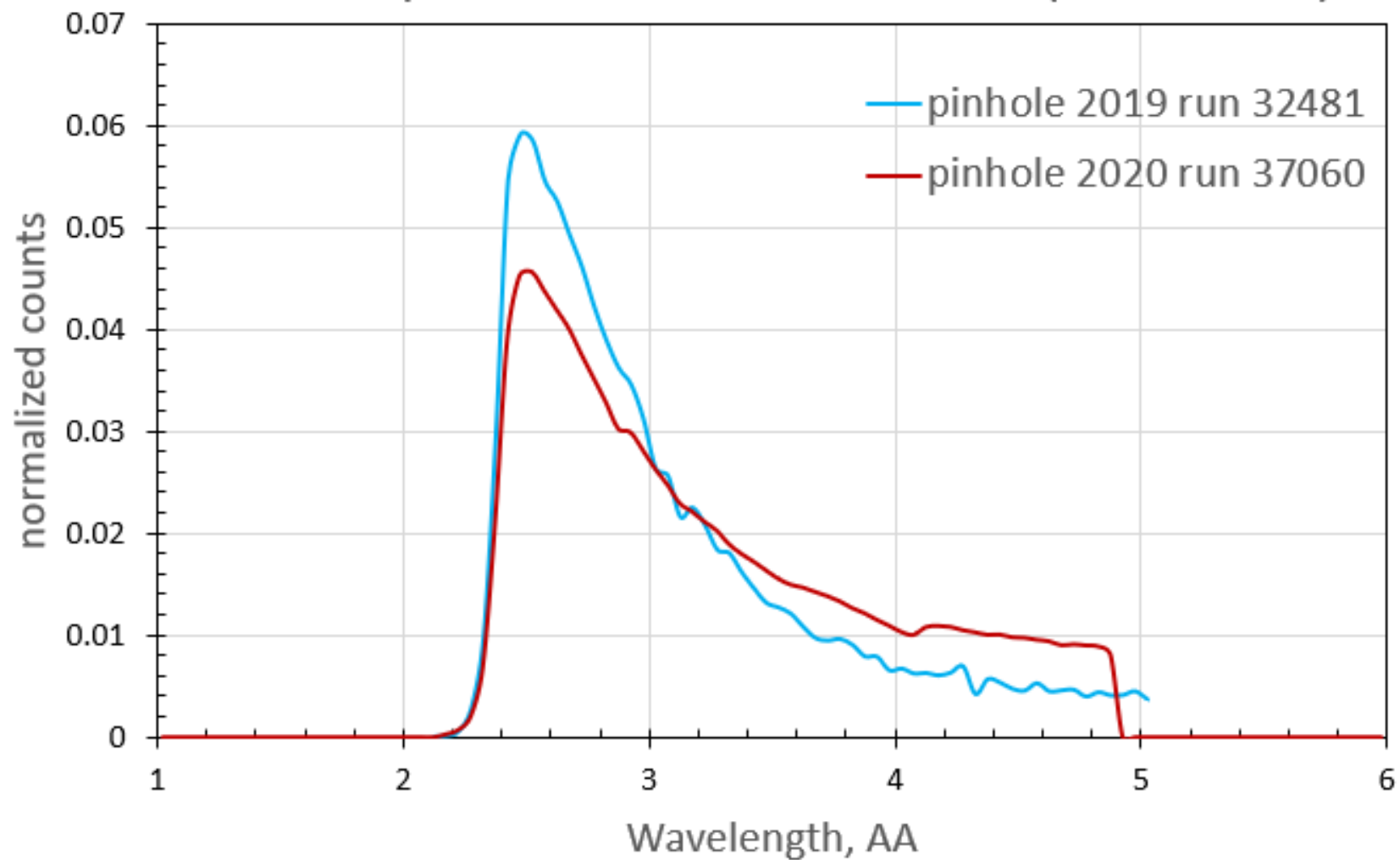
$$\eta(\lambda) = \left(\frac{N_{18}(\lambda)}{N_0(\lambda)} \right)^{1/k}$$

$$\eta(\lambda) = 0.8879 - 9.91 \times 10^{-6} \times \text{TOF} = 0.8879 - 0.05258 \times \lambda$$

Mike Kline:

$$\eta(\lambda) = 0.897 - 10.5 \times 10^{-6} \times \text{TOF}$$

Pinhole spectra in ROI for simulation (normalized)



← currently in PHITS