

Plots for the RICH paper

2021/06/29 10.15

GA0516_w2_g064_v1000_t227_3mm.04.txt

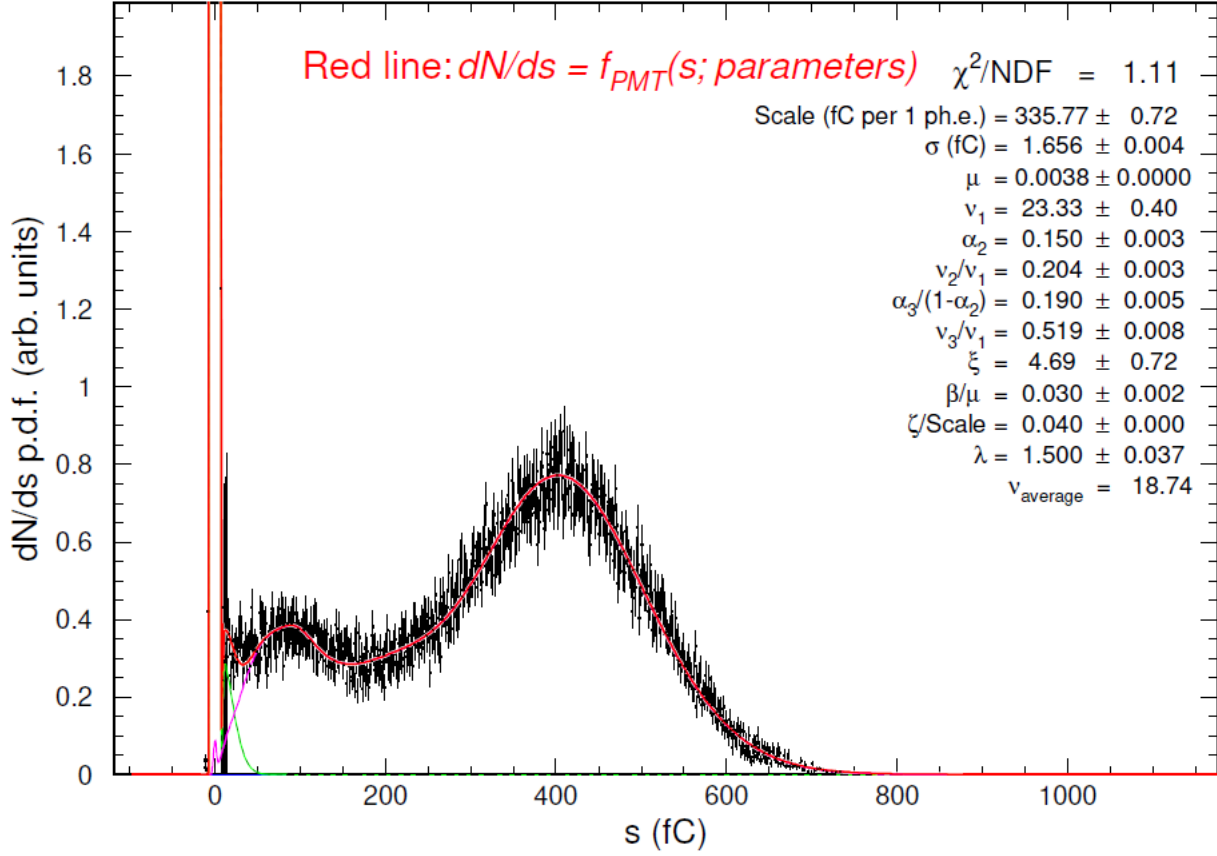


Fig. xxx. SPE probability distribution. PMT GA0516, pixel 4, at HV = 1000 V. Run with only central 3x3 mm part of the pixel was illuminated, and all other pixels were masked.

GA0516_w3_g064_v1000_t227_cln.04.txt

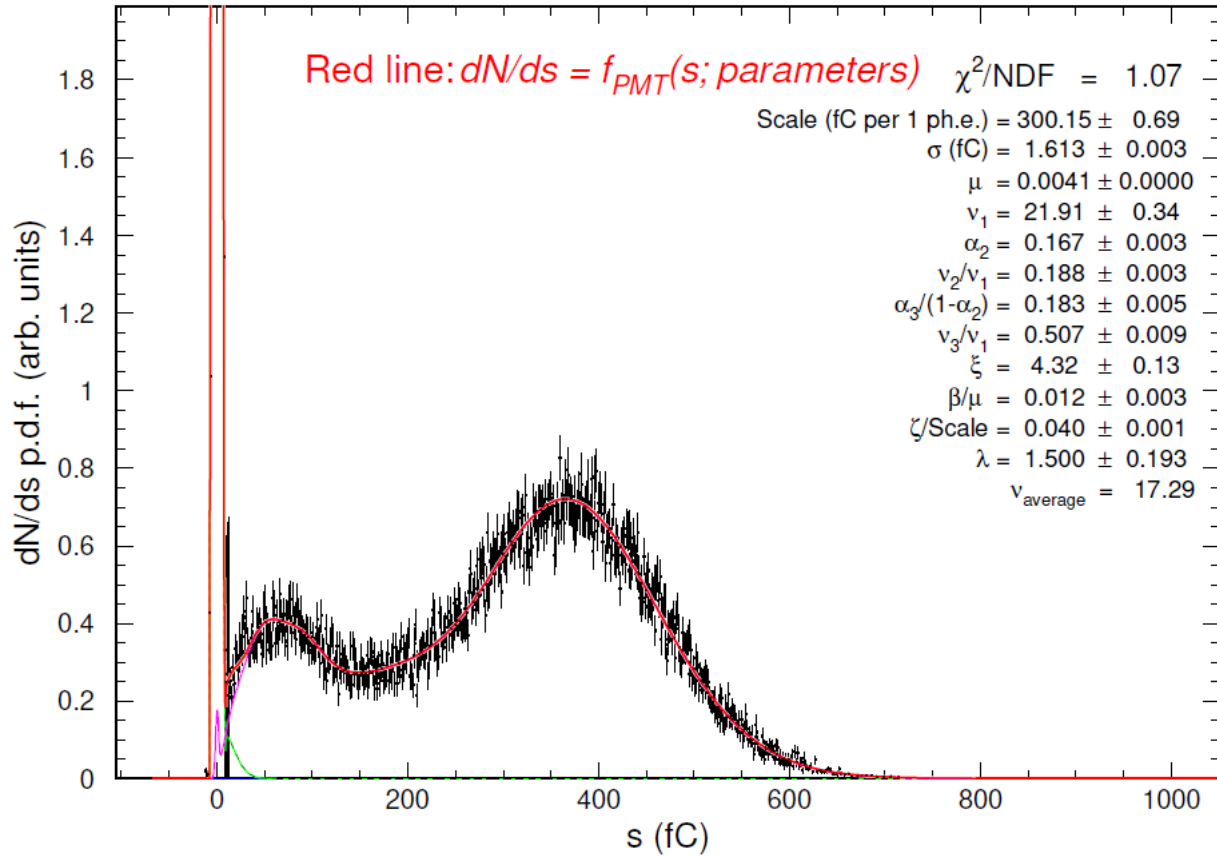


Fig. xxx. SPE probability distribution. PMT GA0516, pixel 4, at HV = 1000 V. Run with full PMT face open, the contribution to the spectrum from the cross-talk events is cleaned by the analysis algorithm before parameterization.

GA0516_w3_g064_v1000_t227_raw.04.txt

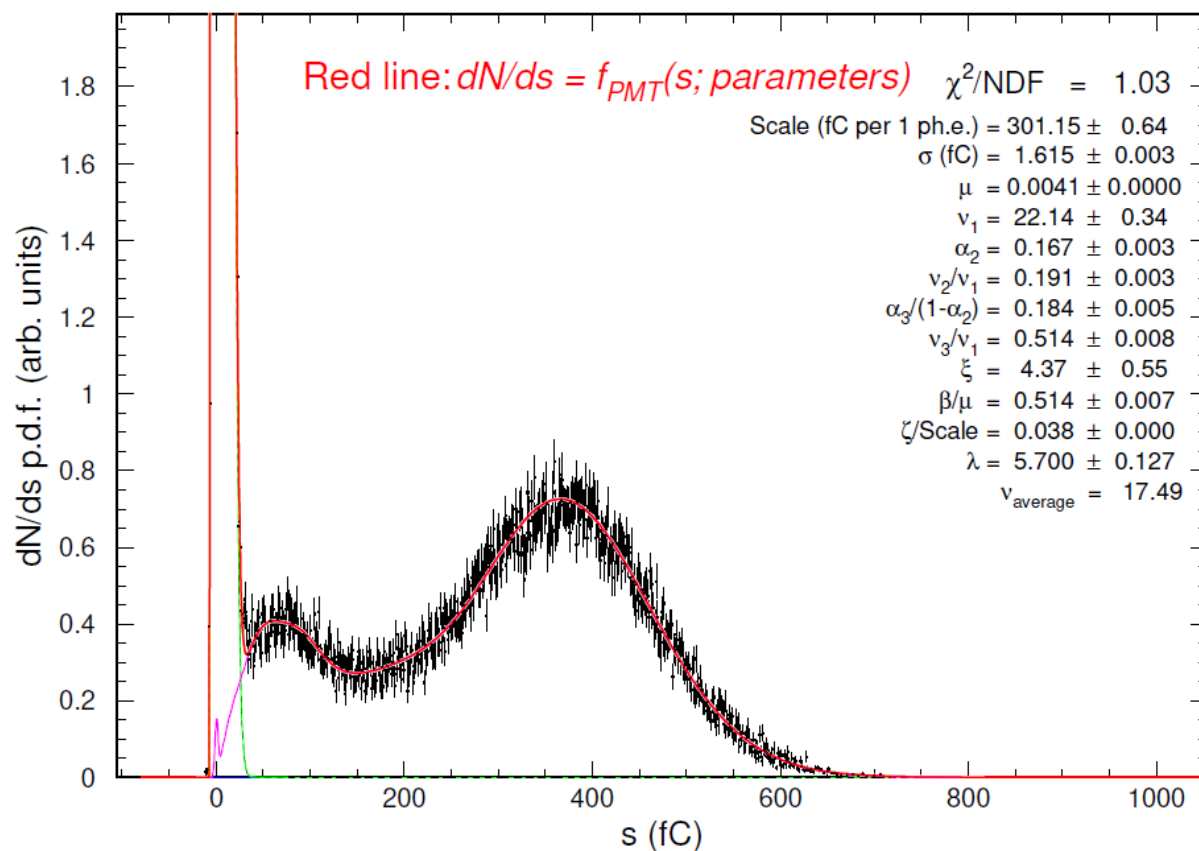


Fig. xxx. SPE probability distribution. PMT GA0516, pixel 4, at HV = 1000 V. Run with full PMT face open, the contribution to the spectrum from the cross-talk events is approximated and parametrized by the analysis algorithm.

GA0516_w3_g064_v1000_t227_raw.04.txt

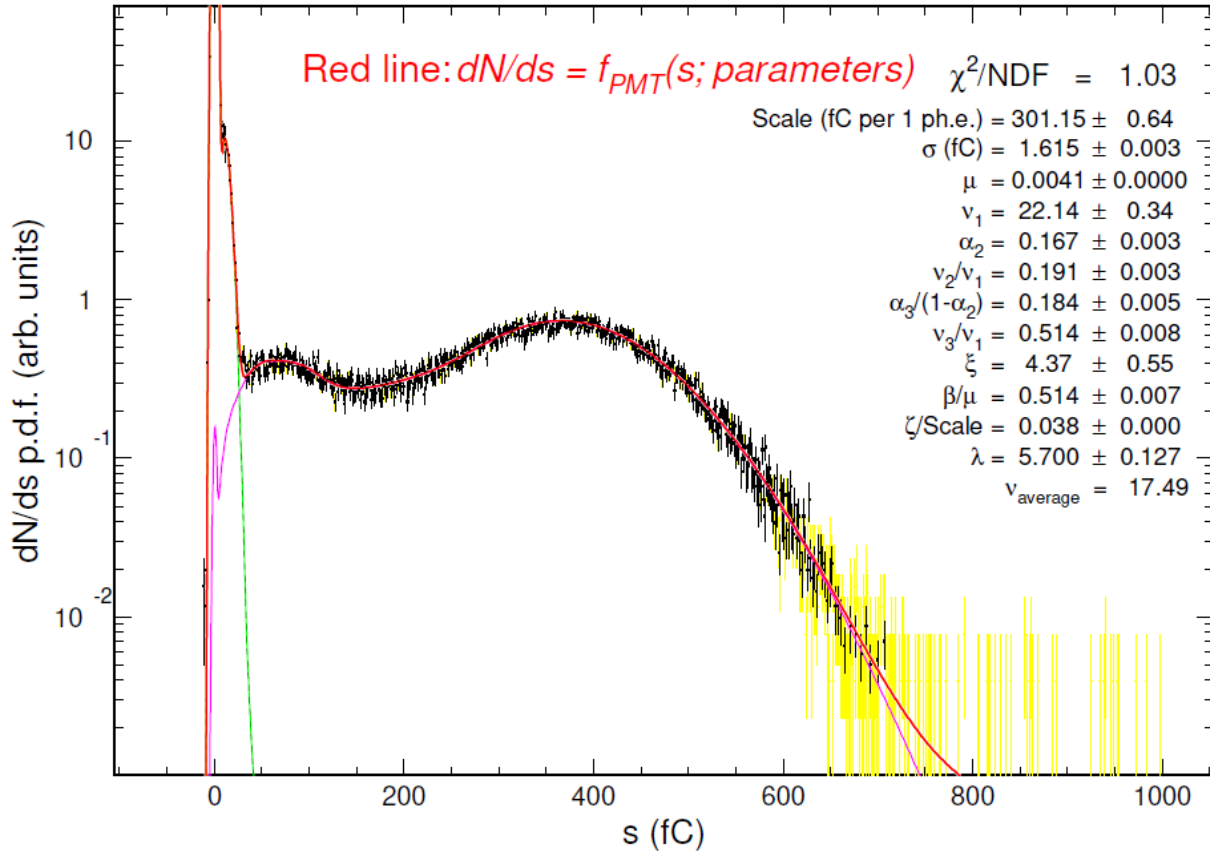


Fig. xxx. SPE probability distribution. PMT GA0516, pixel 4, at HV = 1000 V. Run with full PMT face open, the contribution to the spectrum from the cross-talk events is approximated and parametrized by the analysis algorithm. Same as in previous figure, but using logarithmic scale in Y to illustrate the contribution from the cross-talk.

GA0516_w2_g064_v1100_t227_3mm.04.txt

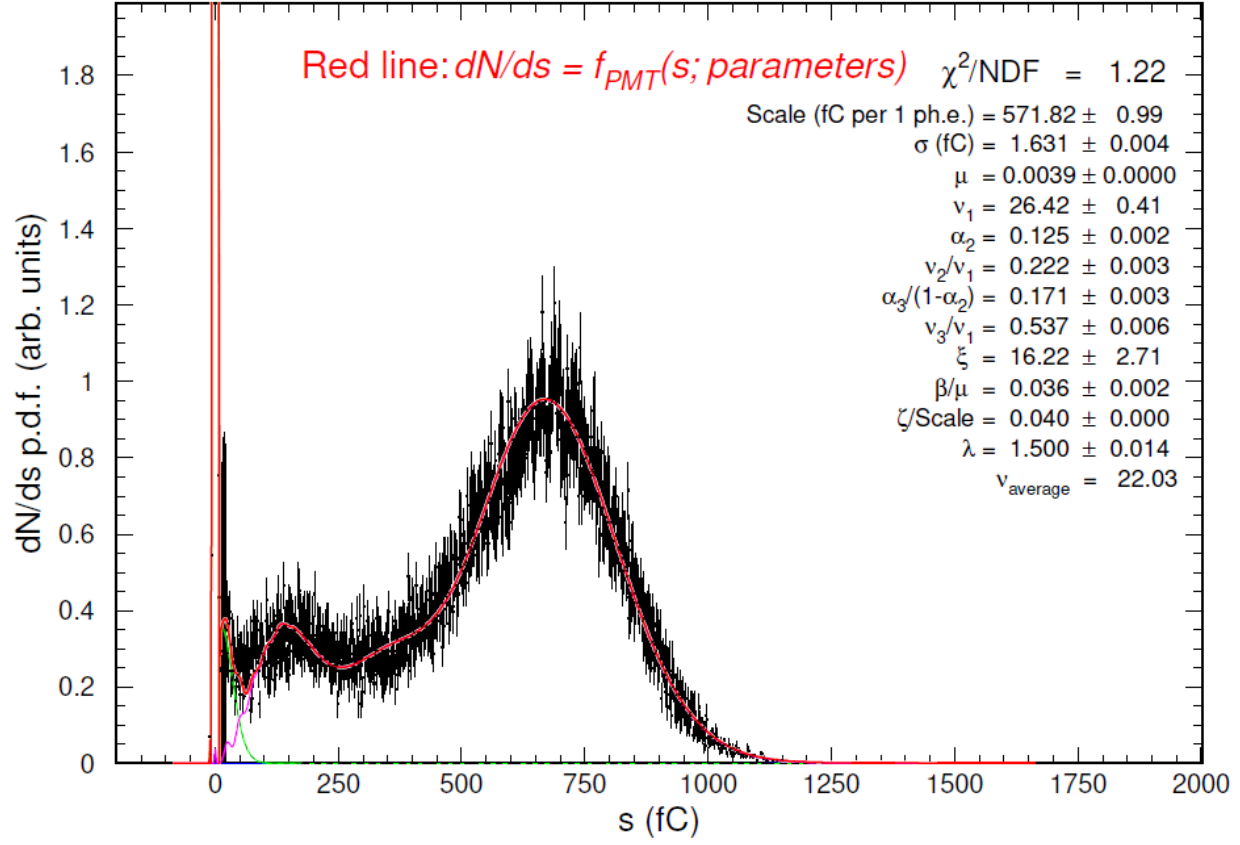


Fig. xxx. SPE probability distribution. PMT GA0516, pixel 4, at HV = 1100 V. Run with only central 3x3 mm part of the pixel was illuminated, and all other pixels were masked.

GA0516_w3_g064_v1100_t227_cln.04.txt

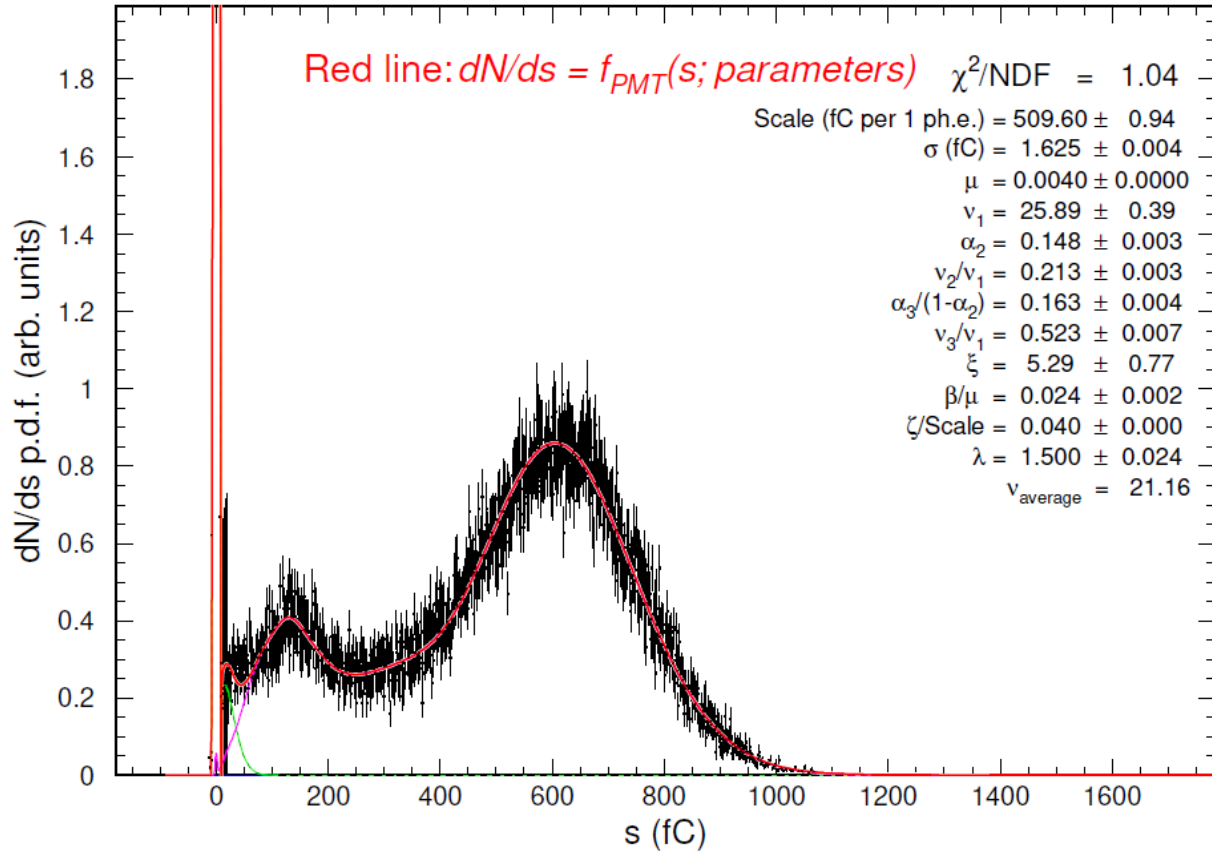


Fig. xxx. SPE probability distribution. PMT GA0516, pixel 4, at HV = 1100 V. Run with full PMT face open, the contribution to the spectrum from the cross-talk events is cleaned by the analysis algorithm before parameterization.

GA0516_w3_g064_v1100_t227_raw.04.txt

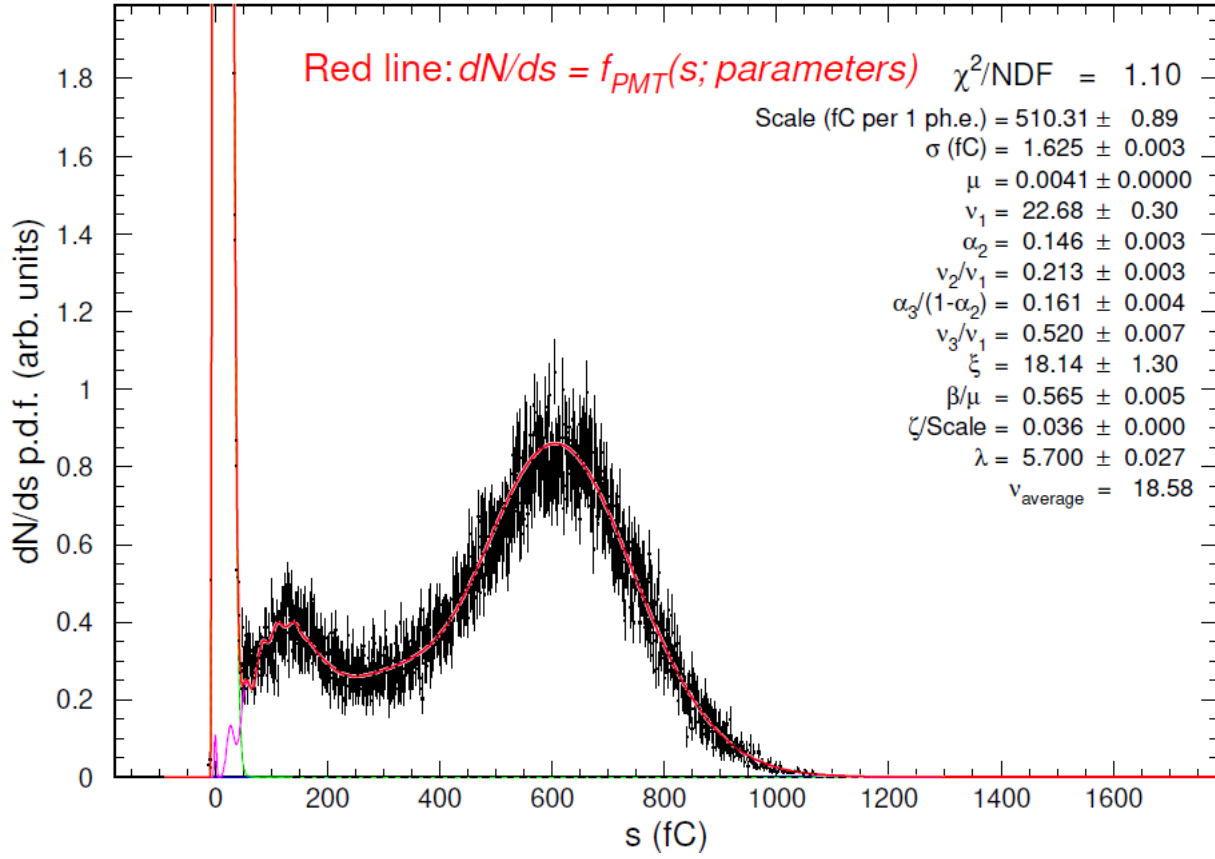


Fig. xxx. SPE probability distribution. PMT GA0516, pixel 4, at HV = 1100 V. Run with full PMT face open, the contribution to the spectrum from the cross-talk events is approximated and parametrized by the analysis algorithm.

GA0516_w3_g064_v1100_t227_raw.04.txt

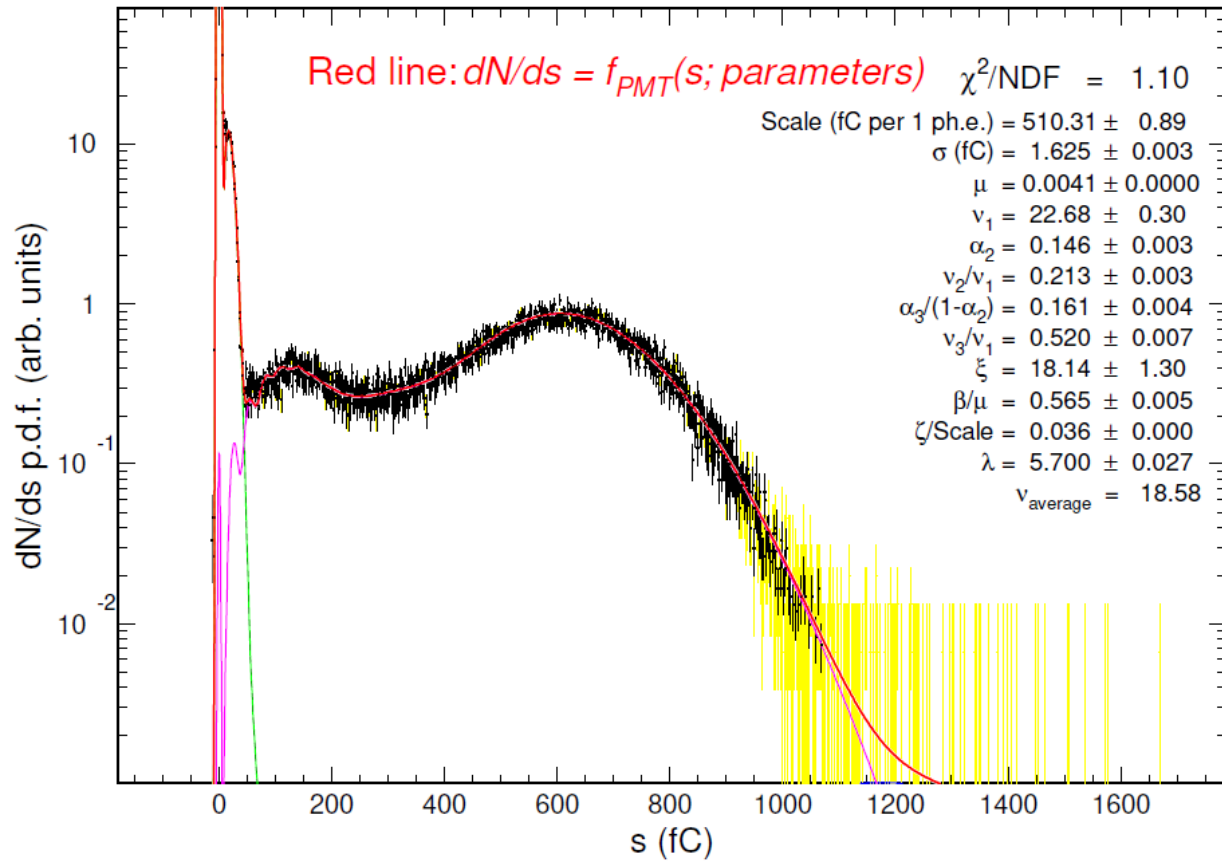


Fig. xxx. SPE probability distribution. PMT GA0516, pixel 4, at HV = 1100 V. Run with full PMT face open, the contribution to the spectrum from the cross-talk events is approximated and parametrized by the analysis algorithm. Same as in previous figure, but using logarithmic scale in Y to illustrate the contribution from the cross-talk.

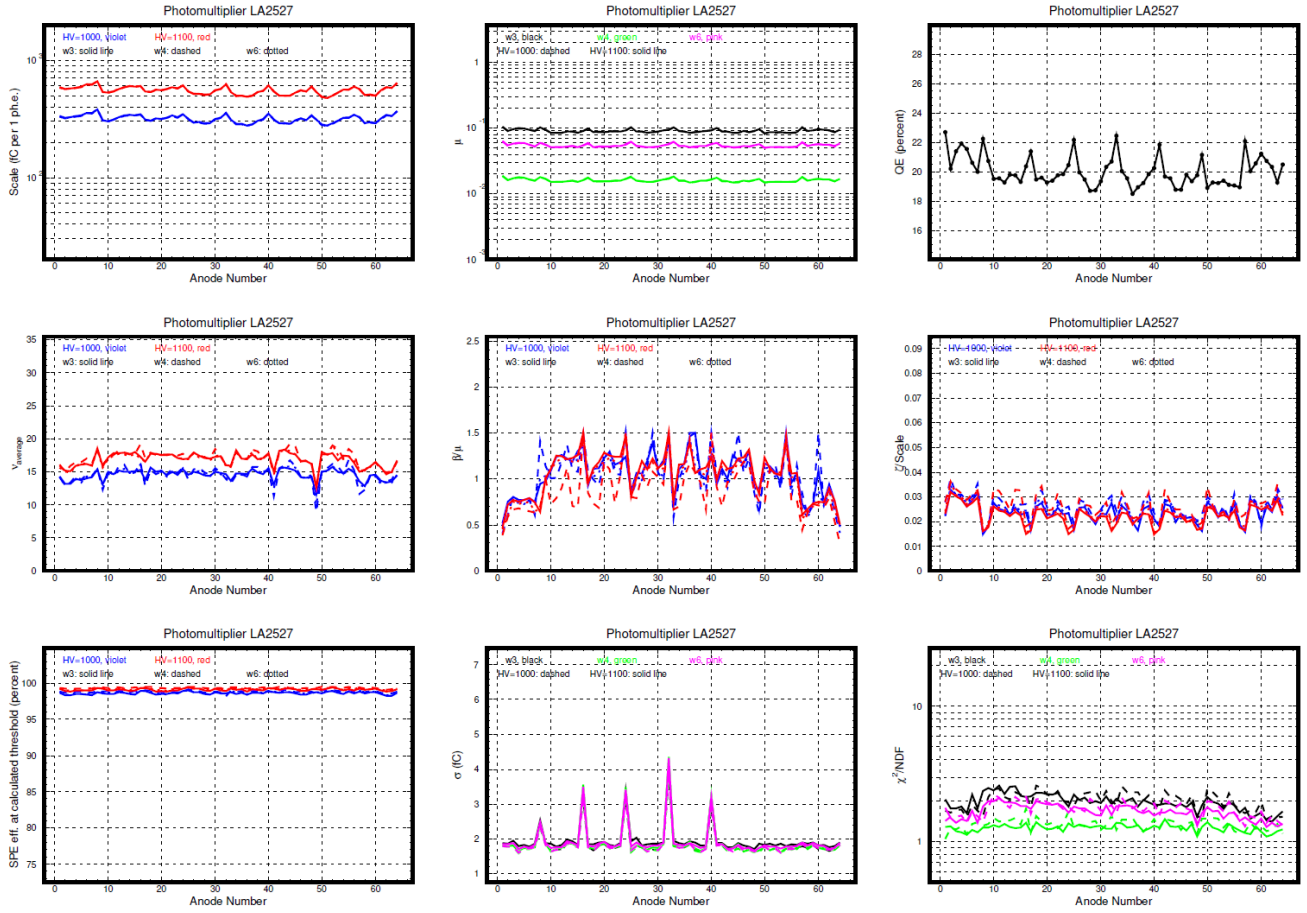


Fig. xxx. Illustration of the “PSPMT Passport” plots for one of the tubes, LA2527. The standard six measurements included runs at three illumination settings (wheel positions 3, 4, and 6), each at two operating high voltage values (1000 V, and 1100 V).

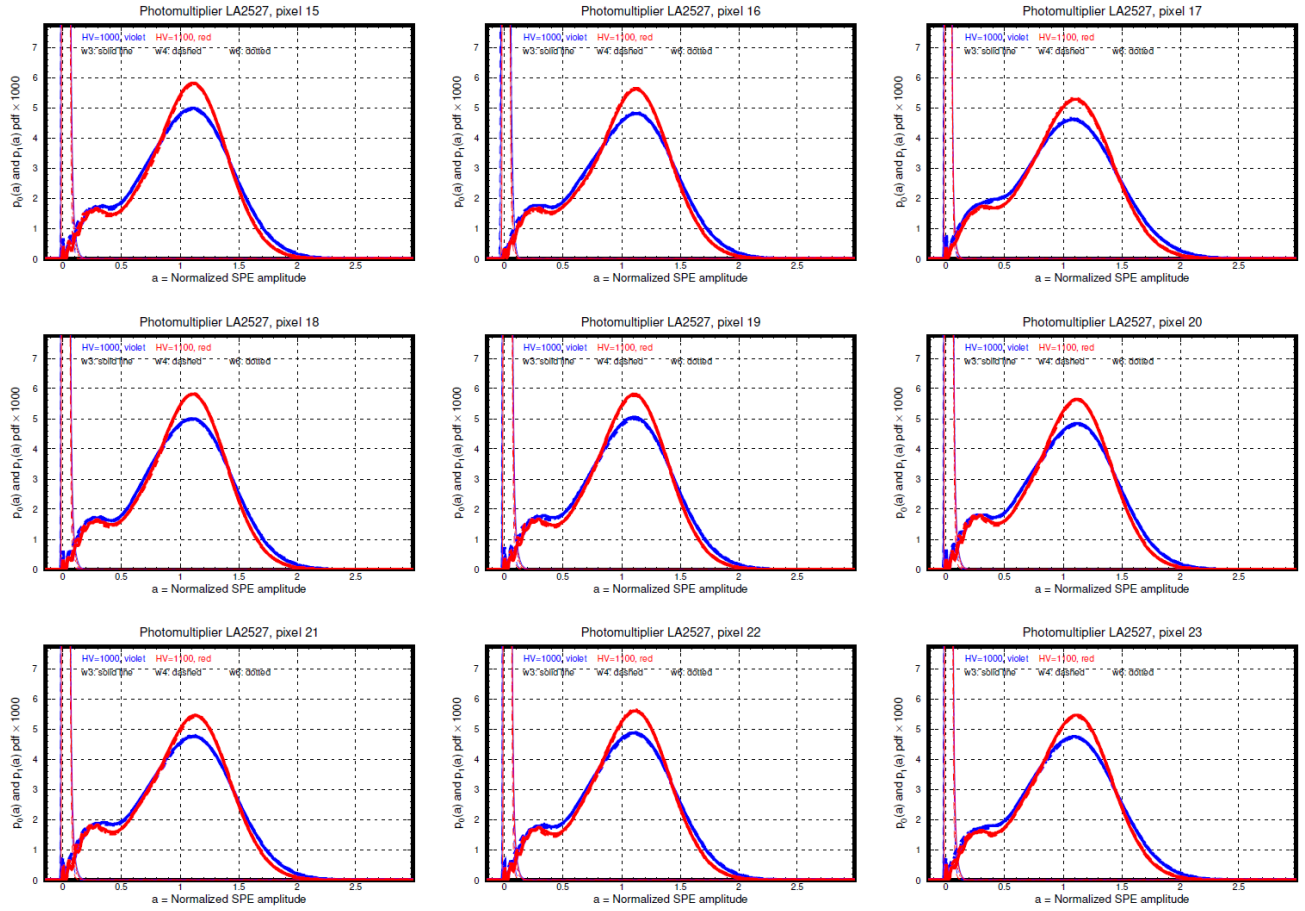


Fig. xxx. Illustration of the “PSPMT Passport” plots for one of the tubes, LA2527, continued. The standard six measurements included runs at three illumination settings (wheel positions 3, 4, and 6), each at two operating high voltage values (1000 V, and 1100 V). Shown are the calculated SPE functions, defined by the fit parameters resulting from the independent fitting procedures for each six settings. Blue color corresponds to the three sets at HV = 1000 V, and red – to the runs at HV = 1100 V. The fit parameters of the independent fits at three different illuminations result in a very stable SPE shapes, essentially overlapping each other in the plots.

Distributions of scale values, relative to average, six PMT x 64 pixels

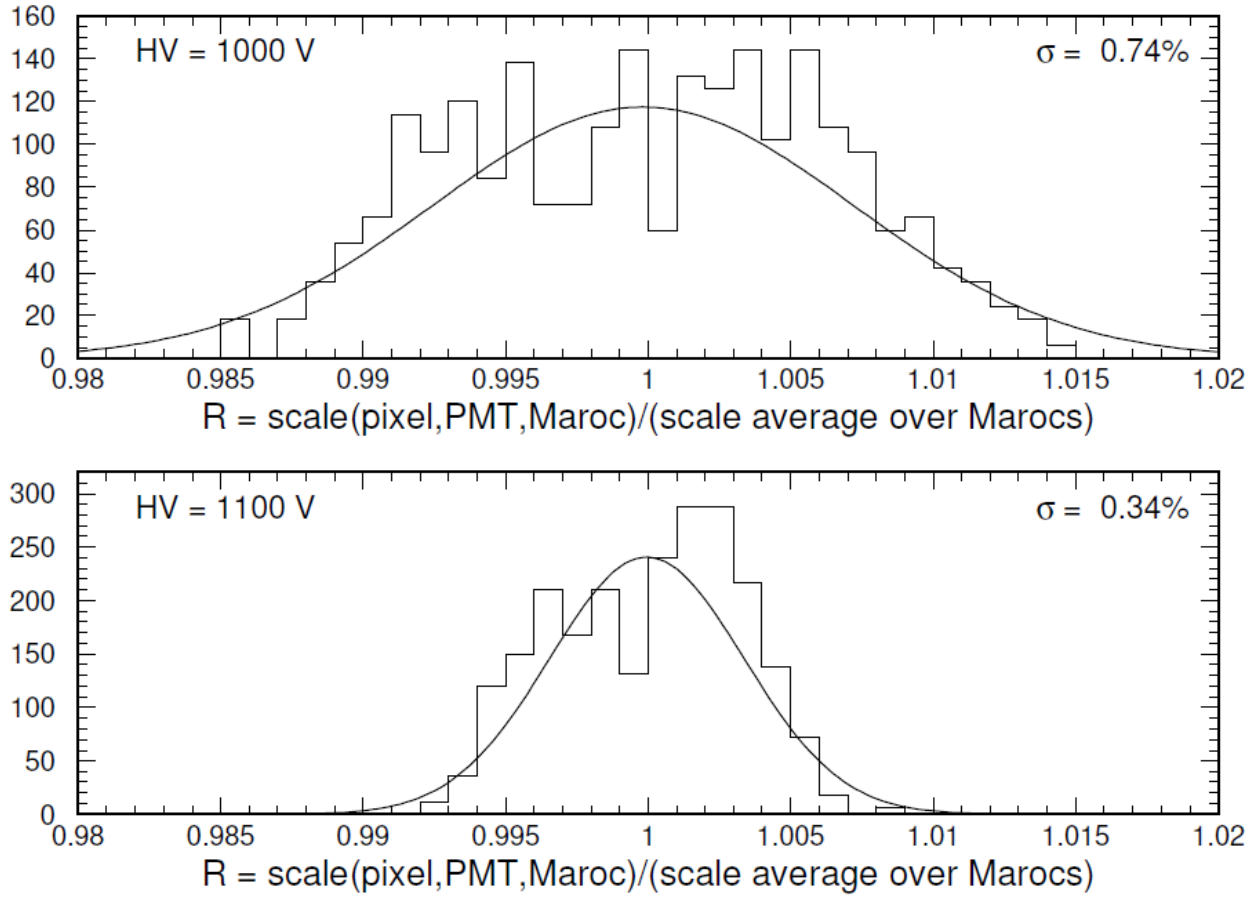


Fig. xxx. Evaluated precision of the scale parameter measurement for the two high voltage settings.

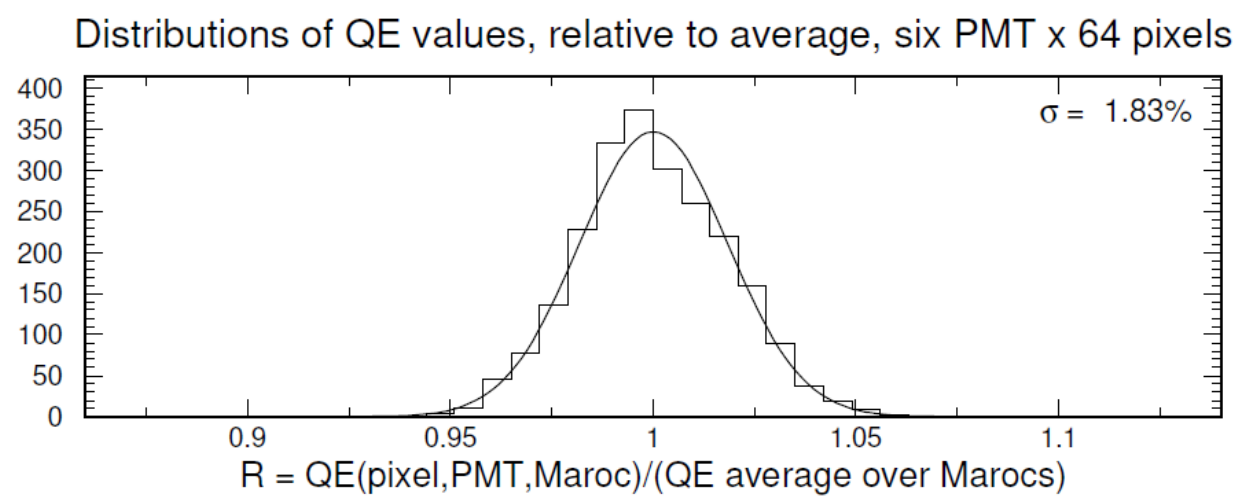


Fig. xxx. Evaluated precision of the scale parameter measurement for the two high voltage settings.

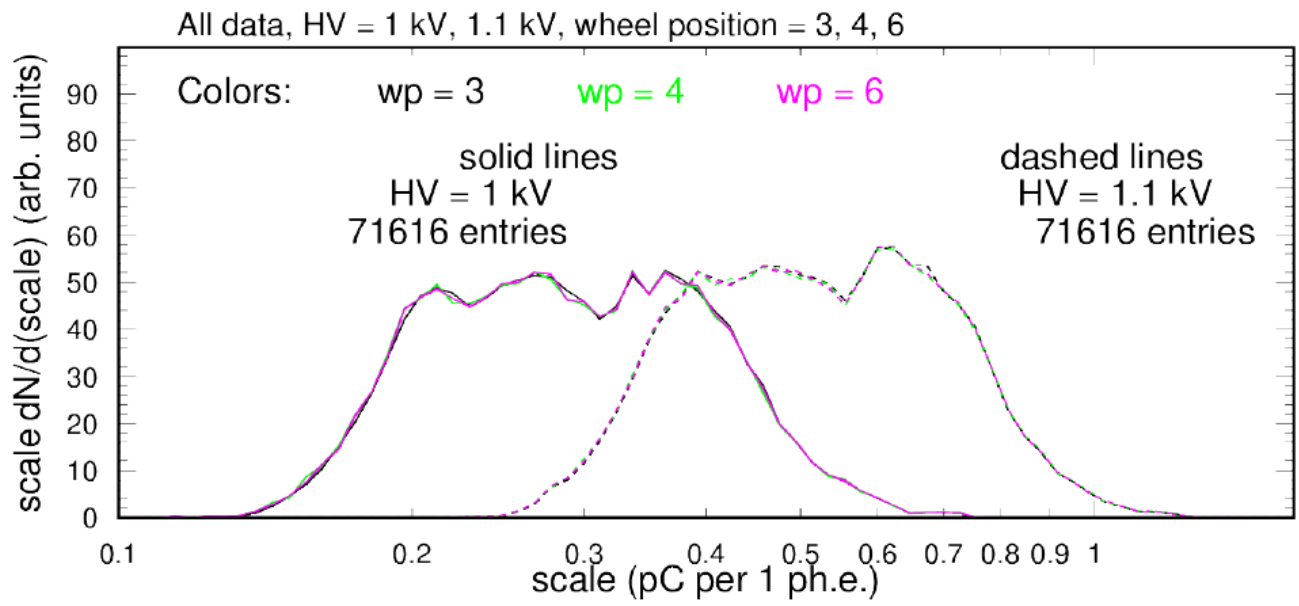


Fig. xxx. .

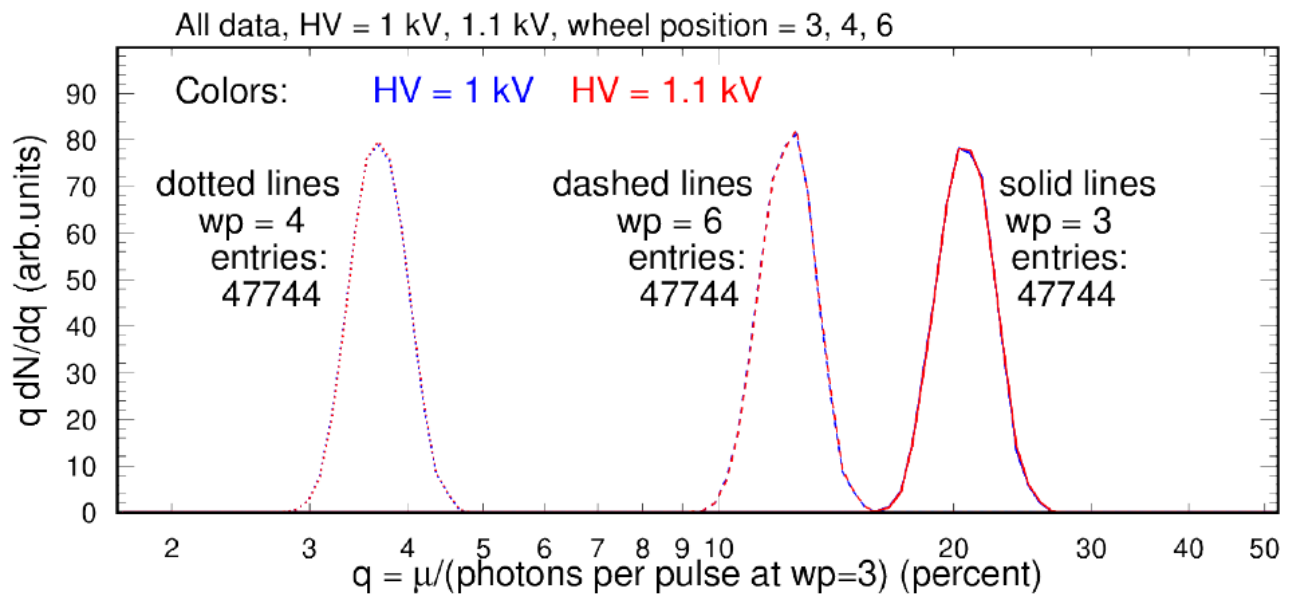


Fig. xxx. .

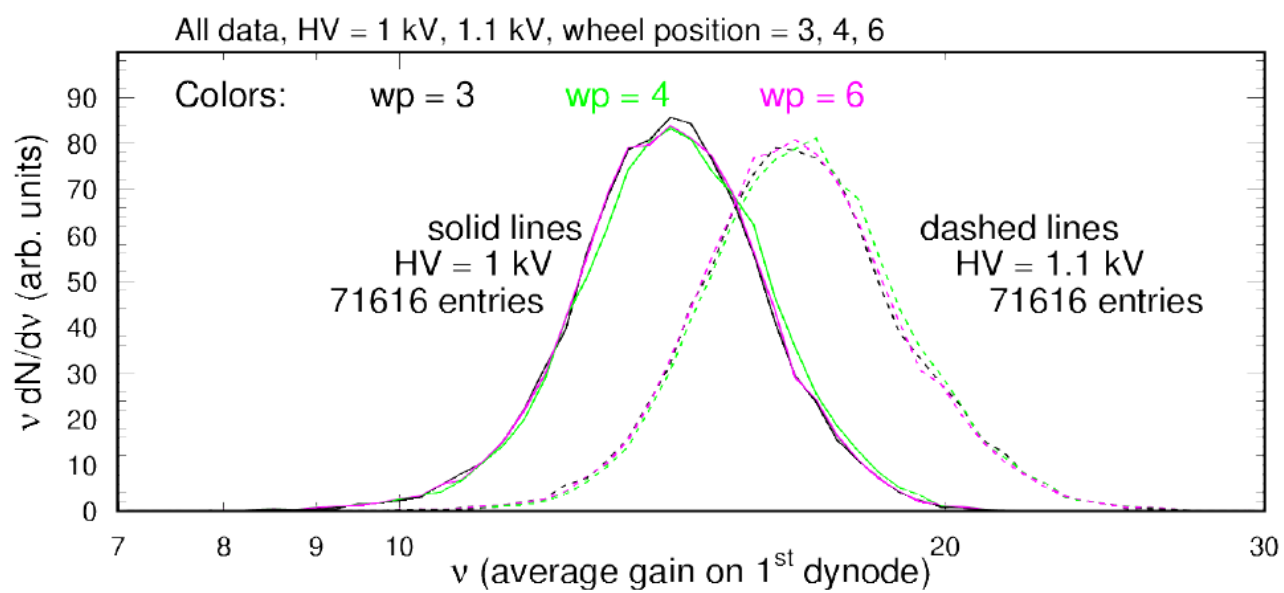


Fig. xxx. .

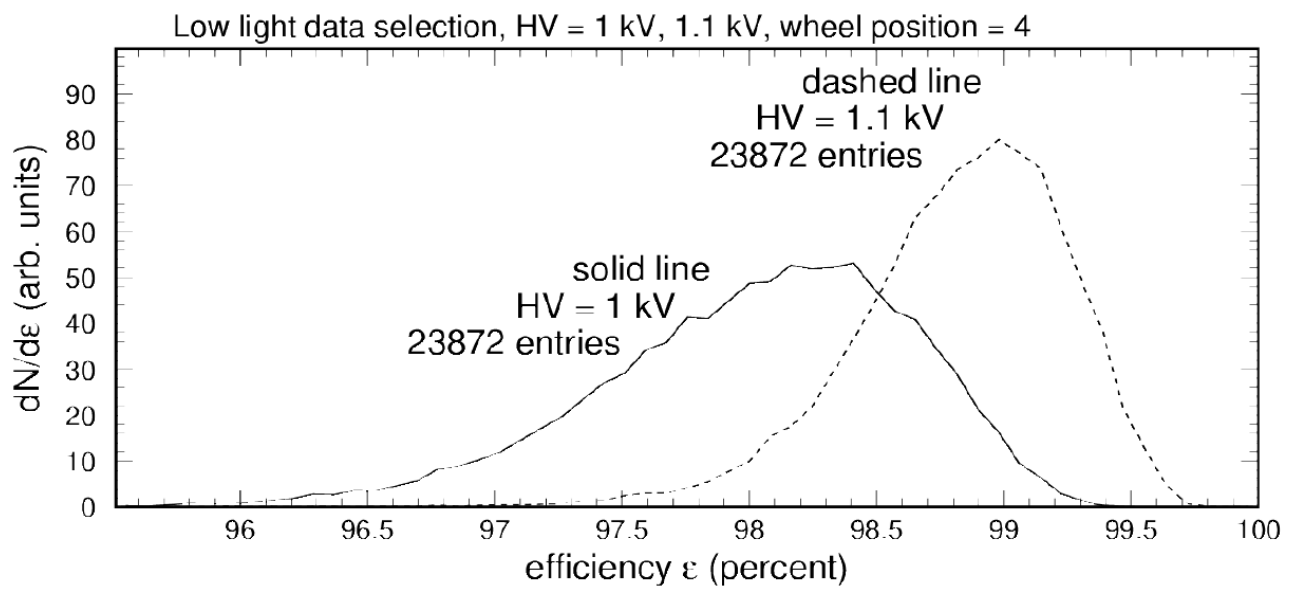


Fig. xxx. .

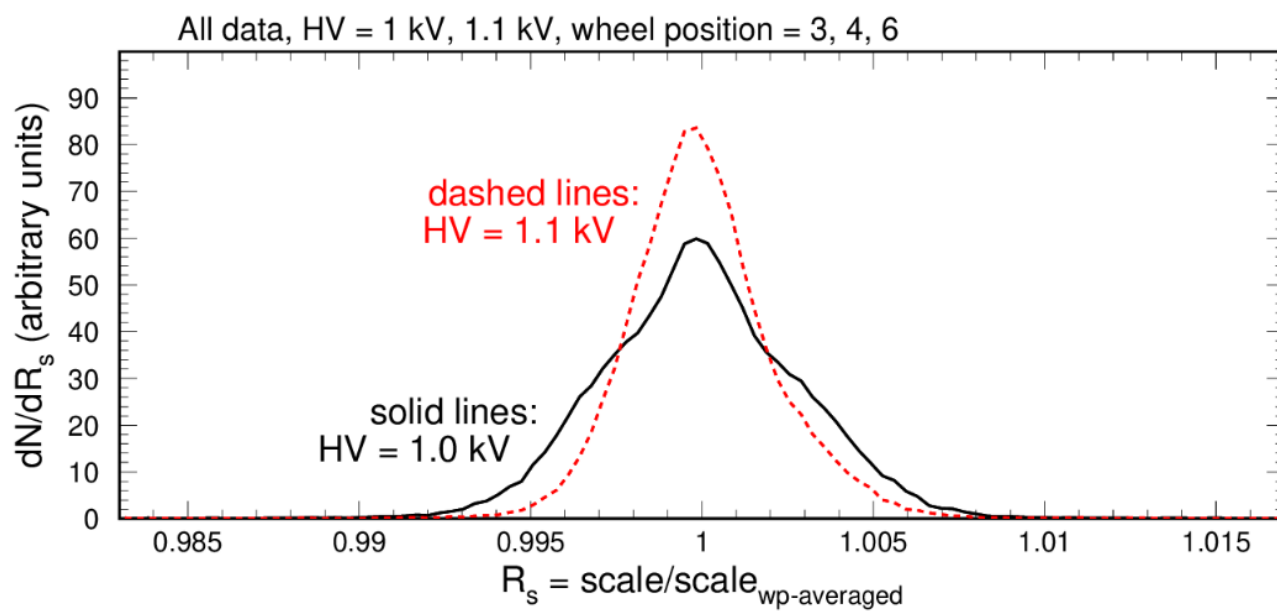


Fig. xxx. .

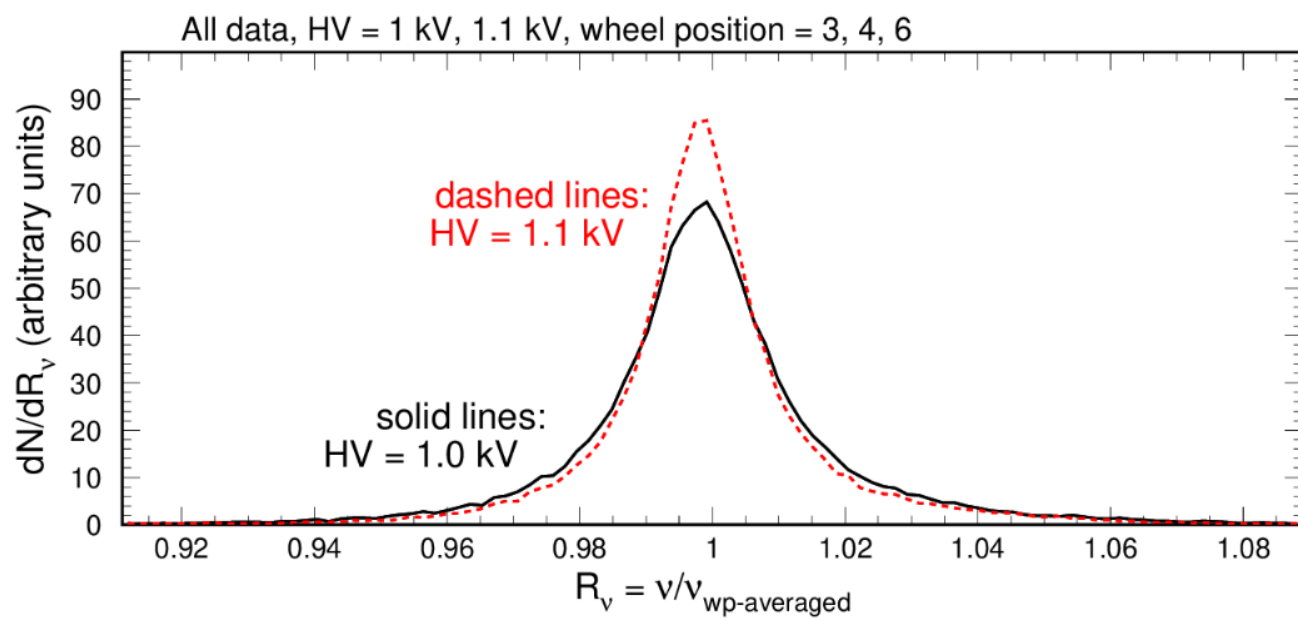


Fig. xxx. .

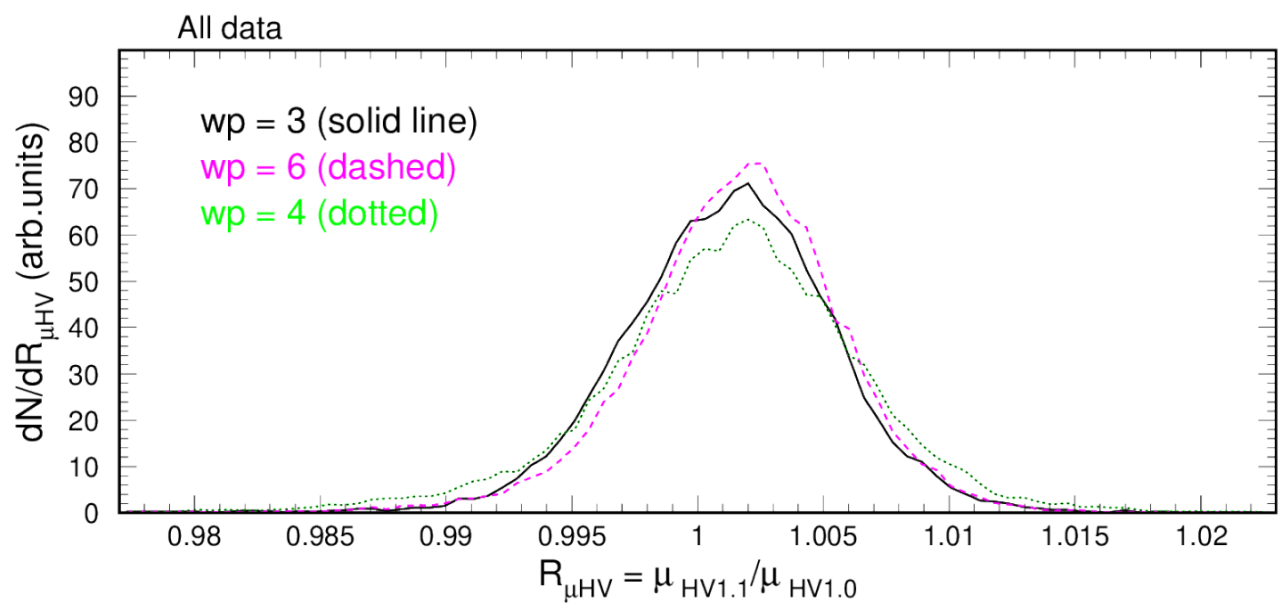


Fig. xxx. .

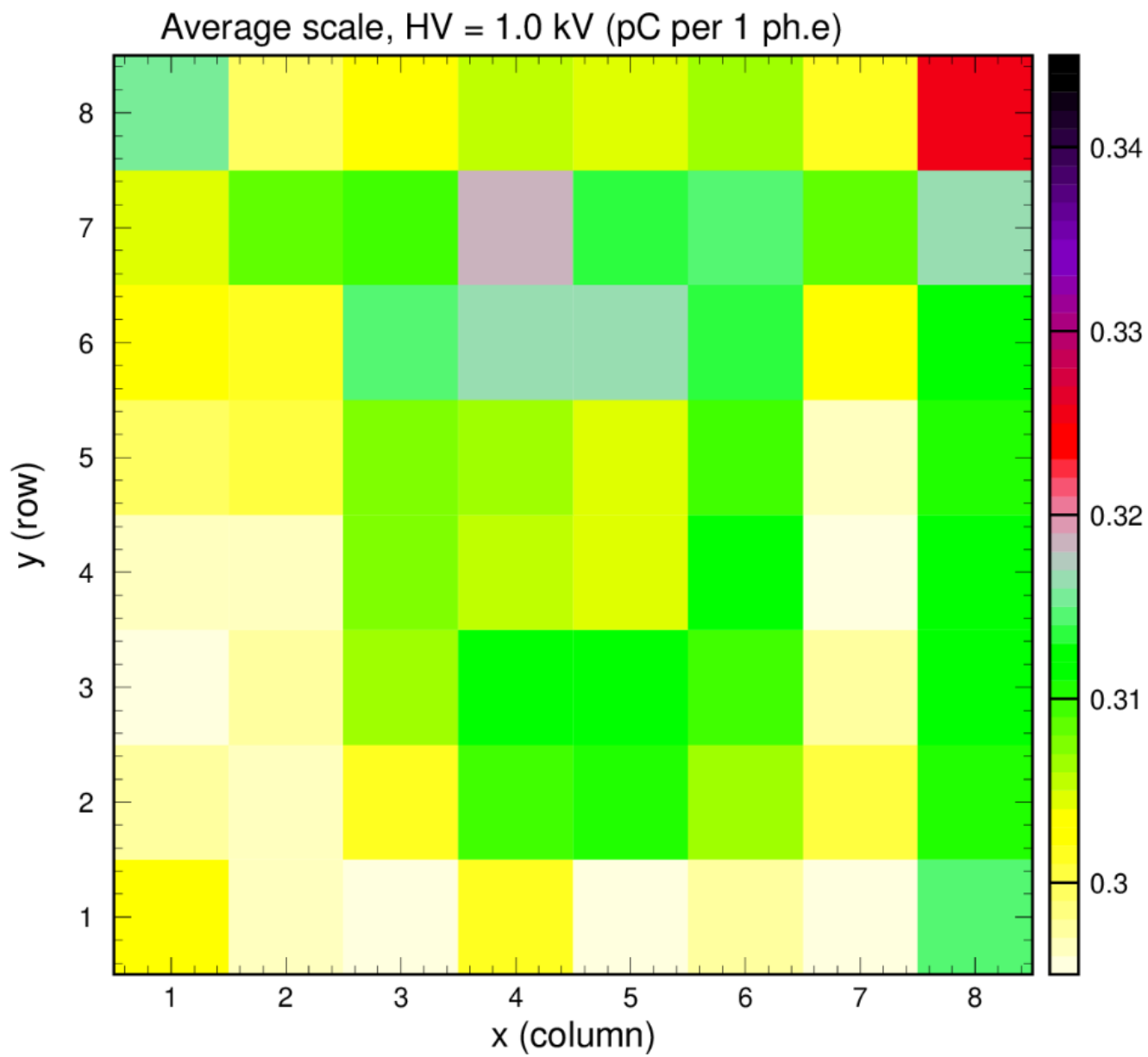


Fig. xxx. .

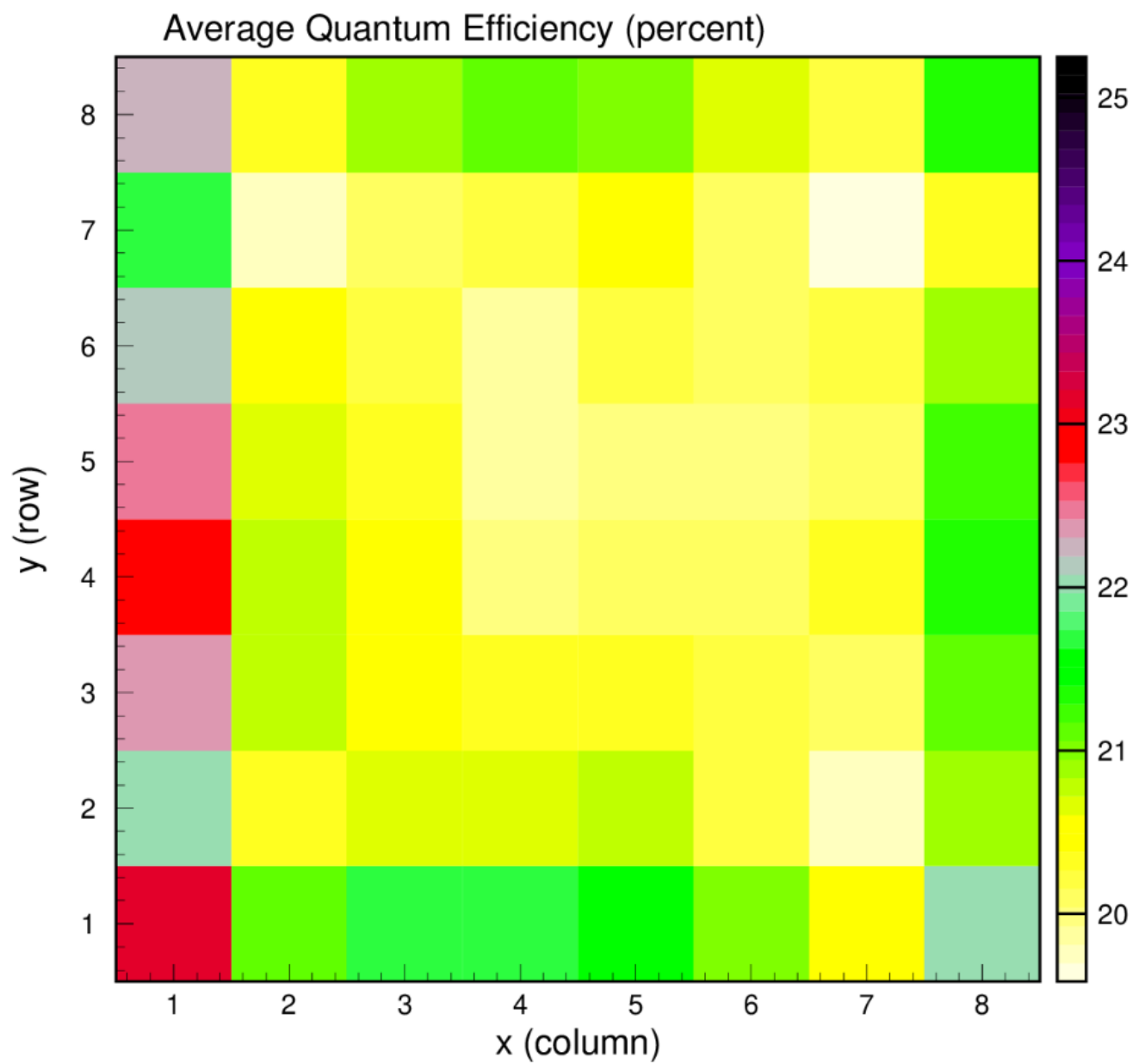


Fig. xxx. .

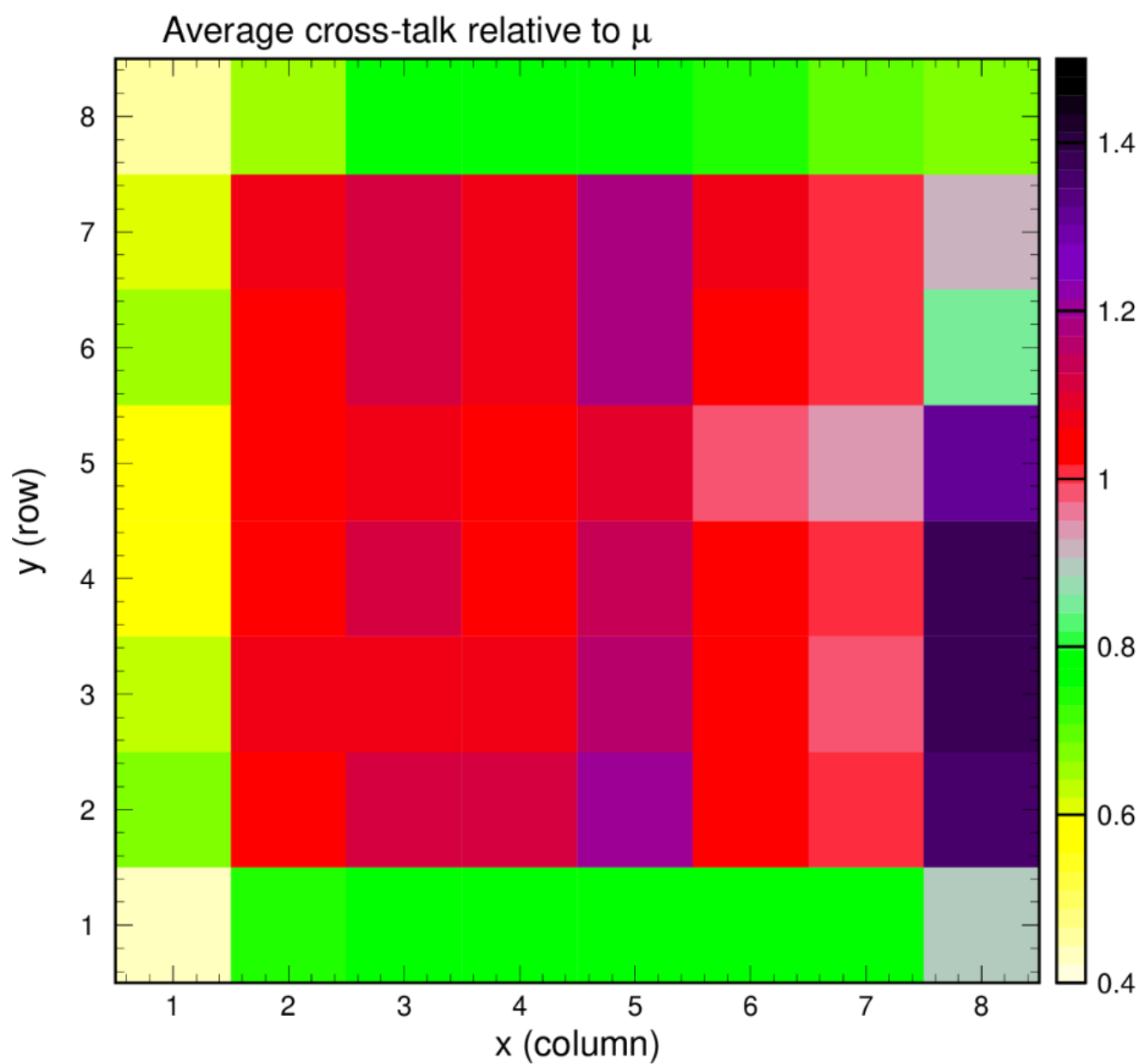


Fig. xxx. .

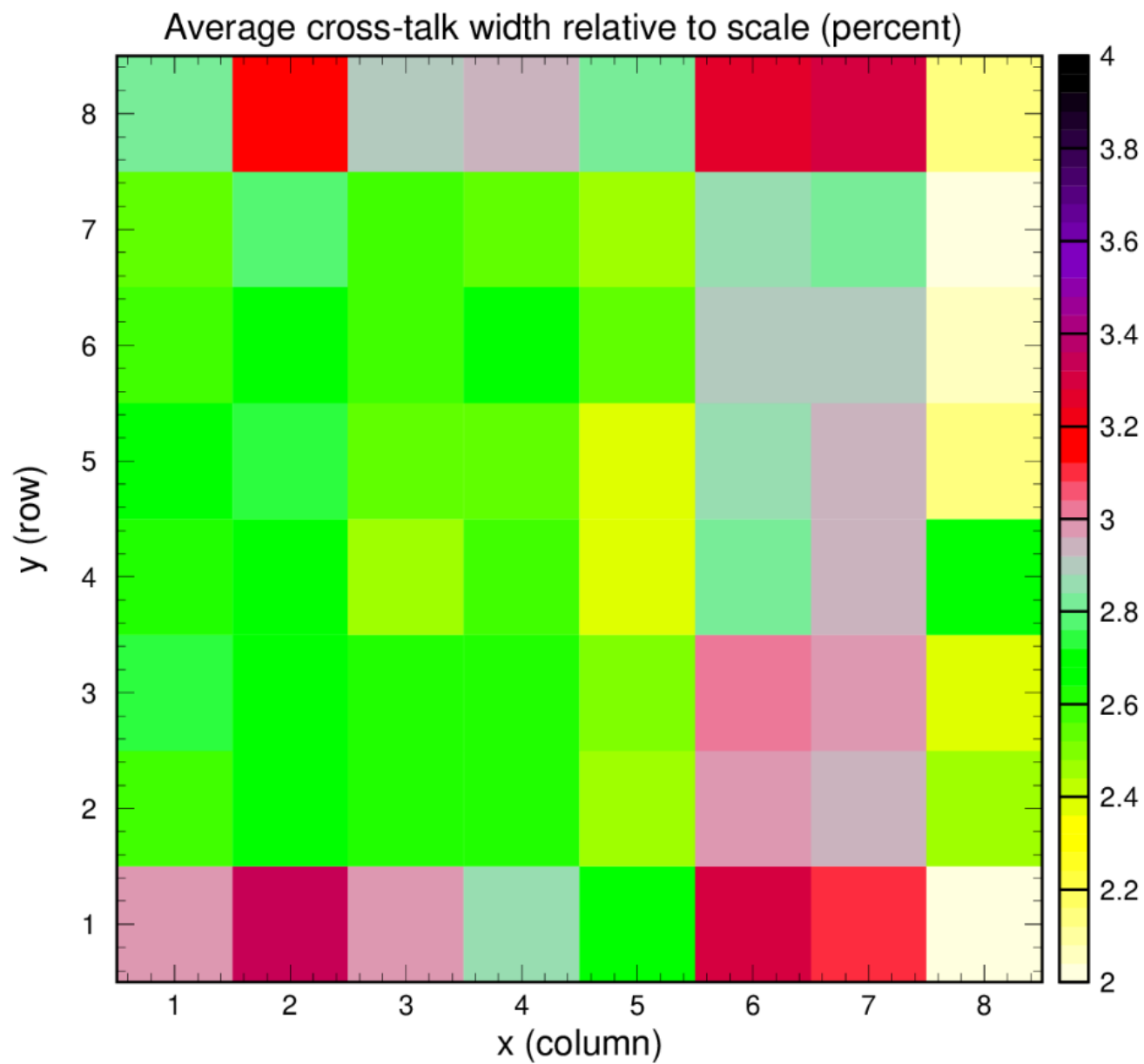


Fig. xxx. .

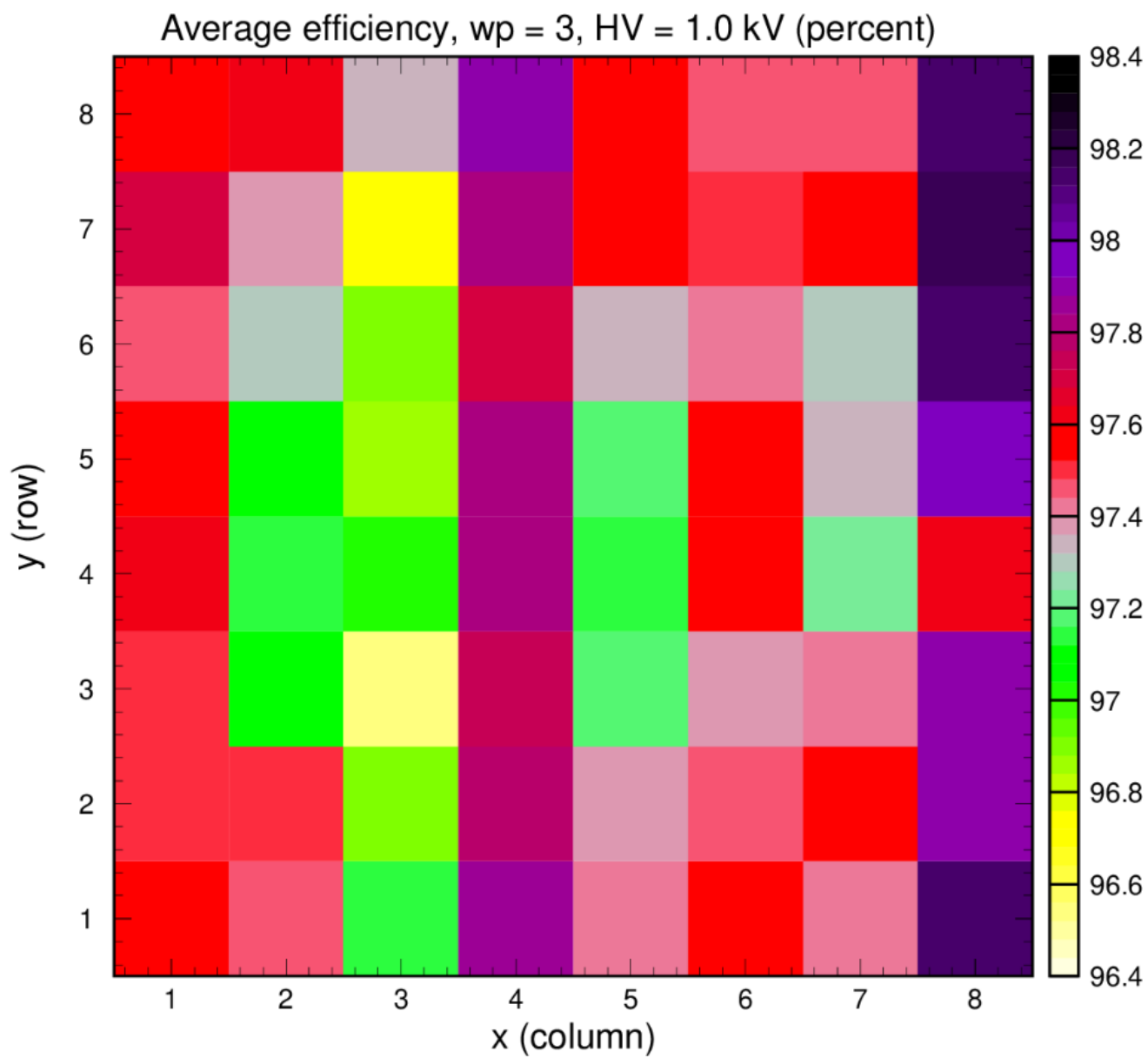


Fig. xxx. .