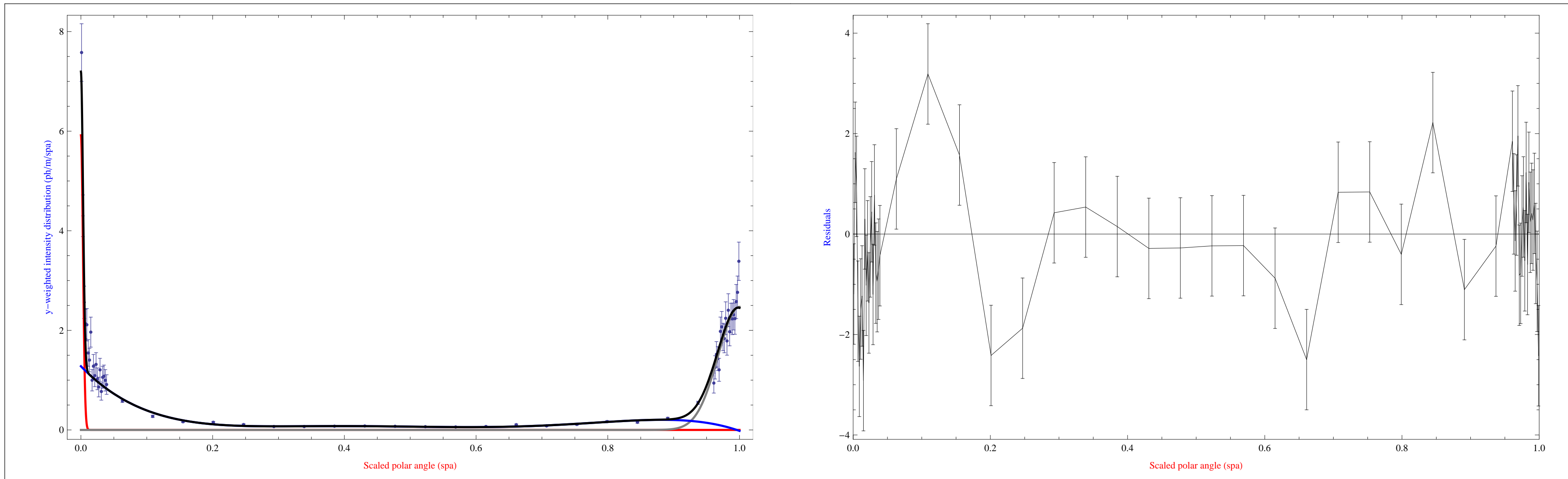
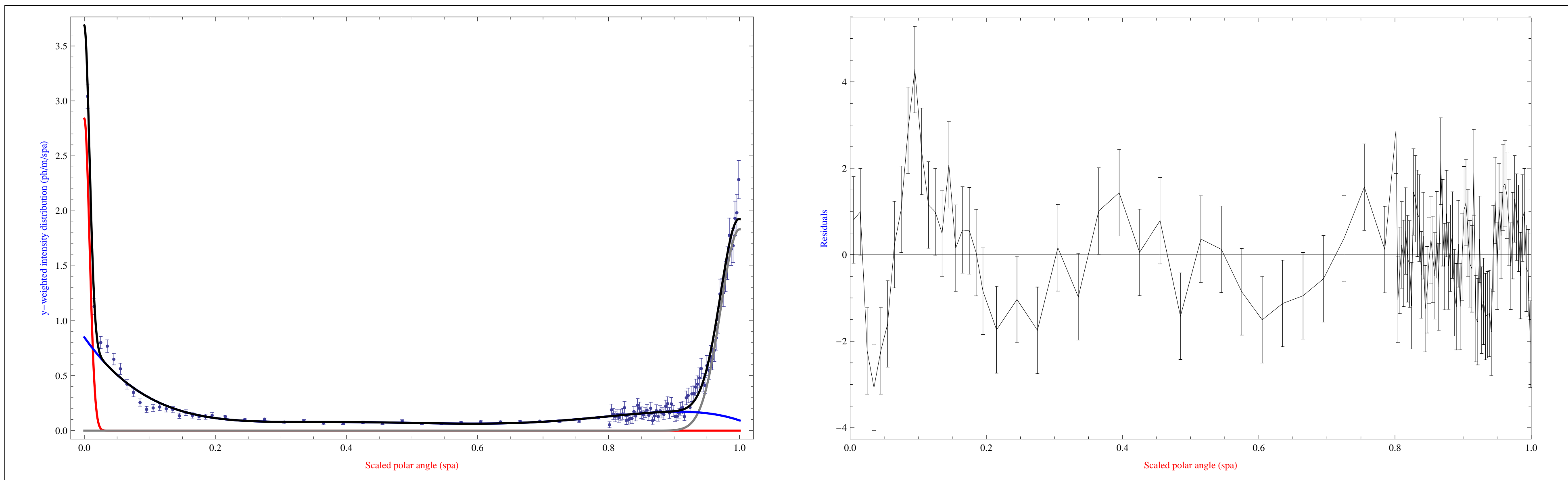


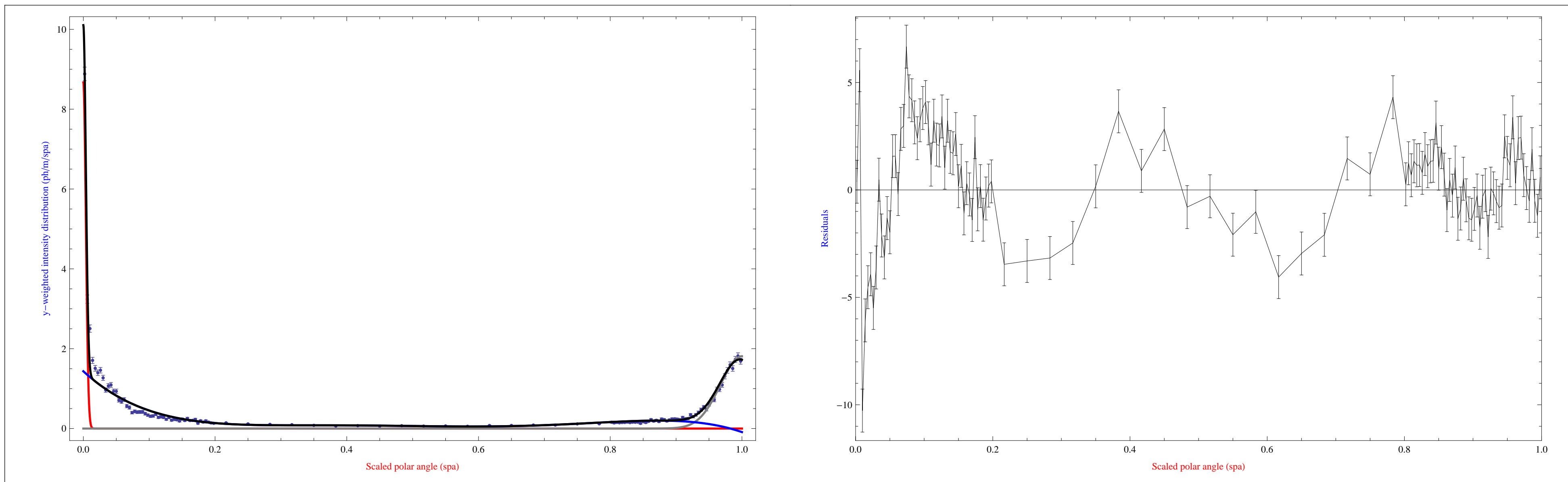
Type Number 1: QUADRUPOLE

Gaussian a (red):  $a_0 = 46.51 \times 10^{-3}$ ,  $\sigma_a = 3.136 \times 10^{-3}$  Gaussian b (gray):  $b_0 = 200.2 \times 10^{-3}$ ,  $\sigma_b = 32.32 \times 10^{-3}$ Background (blue):  $c_1 = 1.279$ ,  $c_2 = -13.75$ ,  $c_3 = 59.95$   $c_4 = -124.3$ ,  $c_5 = 121.9$ ,  $c_6 = -45.09$  $I_a = 23.25 \times 10^{-3}$  ph/m  $I_b = 100.1 \times 10^{-3}$  ph/m  $I_c = 178.2 \times 10^{-3}$  ph/m  $I_{\text{tot}} = 301.6 \times 10^{-3}$  ph/m $\chi^2/N_{\text{df}} = 1.55421$ 

Type Number 2: DRIFT

Gaussian a (red):  $a_0 = 56.2 \times 10^{-3}$ ,  $\sigma_a = 7.901 \times 10^{-3}$  Gaussian b (gray):  $b_0 = 132.6 \times 10^{-3}$ ,  $\sigma_b = 28.88 \times 10^{-3}$ Background (blue):  $c_1 = 849.7 \times 10^{-3}$ ,  $c_2 = -8.45$ ,  $c_3 = 35.82$   $c_4 = -72.75$ ,  $c_5 = 70.09$ ,  $c_6 = -25.46$  $I_a = 28.1 \times 10^{-3}$  ph/m  $I_b = 66.31 \times 10^{-3}$  ph/m  $I_c = 150.5 \times 10^{-3}$  ph/m  $I_{\text{tot}} = 244.9 \times 10^{-3}$  ph/m $\chi^2/N_{\text{df}} = 1.46704$ 

Type Number 3: SBEND

Gaussian a (red):  $a_0 = 82.38 \times 10^{-3}$ ,  $\sigma_a = 3.791 \times 10^{-3}$  Gaussian b (gray):  $b_0 = 148.3 \times 10^{-3}$ ,  $\sigma_b = 32.66 \times 10^{-3}$ Background (blue):  $c_1 = 1.435$ ,  $c_2 = -15.18$ ,  $c_3 = 65.8$   $c_4 = -136.6$ ,  $c_5 = 134.6$ ,  $c_6 = -50.13$  $I_a = 41.19 \times 10^{-3}$  ph/m  $I_b = 74.14 \times 10^{-3}$  ph/m  $I_c = 189.7 \times 10^{-3}$  ph/m  $I_{\text{tot}} = 305.1 \times 10^{-3}$  ph/m $\chi^2/N_{\text{df}} = 6.1013$ 

Type Number 4: WIGGLER

Gaussian a (red):  $a_0 = 129. \times 10^{-3}$ ,  $\sigma_a = 4.402 \times 10^{-3}$  Gaussian b (gray):  $b_0 = 127.3 \times 10^{-3}$ ,  $\sigma_b = 5.62 \times 10^{-3}$ Background (blue):  $c_1 = 710.7 \times 10^{-3}$ ,  $c_2 = -7.06$ ,  $c_3 = 24.77$   $c_4 = -35.45$ ,  $c_5 = 17.92$ ,  $c_6 = -225.4 \times 10^{-3}$  $I_a = 64.49 \times 10^{-3}$  ph/m  $I_b = 63.67 \times 10^{-3}$  ph/m  $I_c = 122.1 \times 10^{-3}$  ph/m  $I_{\text{tot}} = 250.3 \times 10^{-3}$  ph/m $\chi^2/N_{\text{df}} = 1.88324$ 