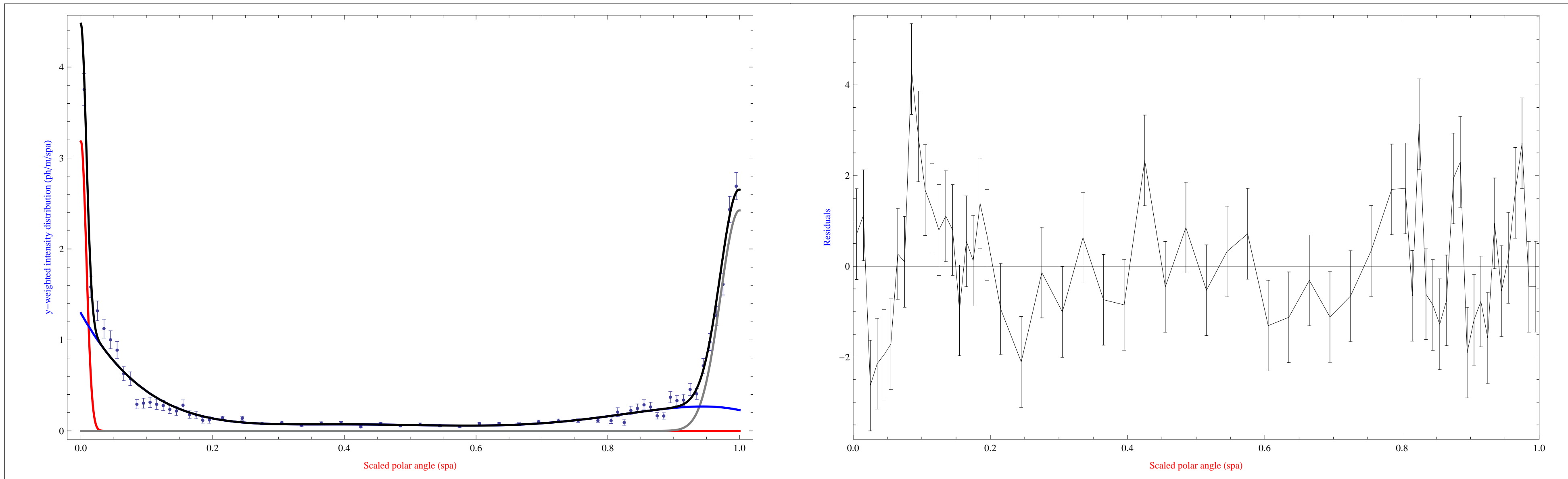
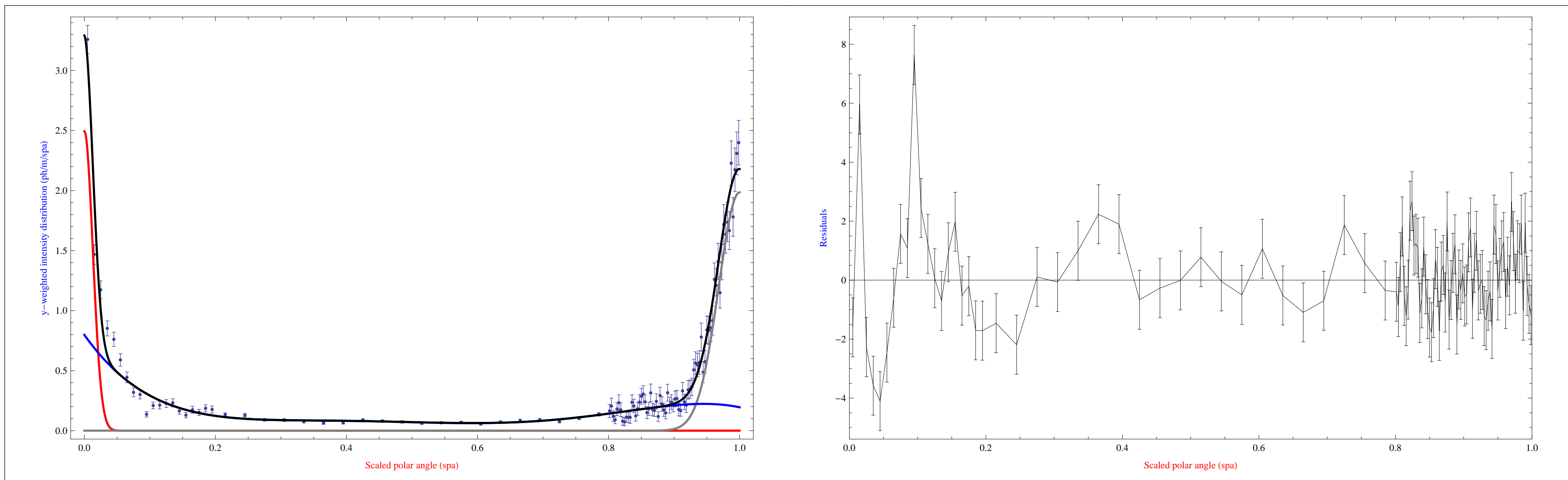


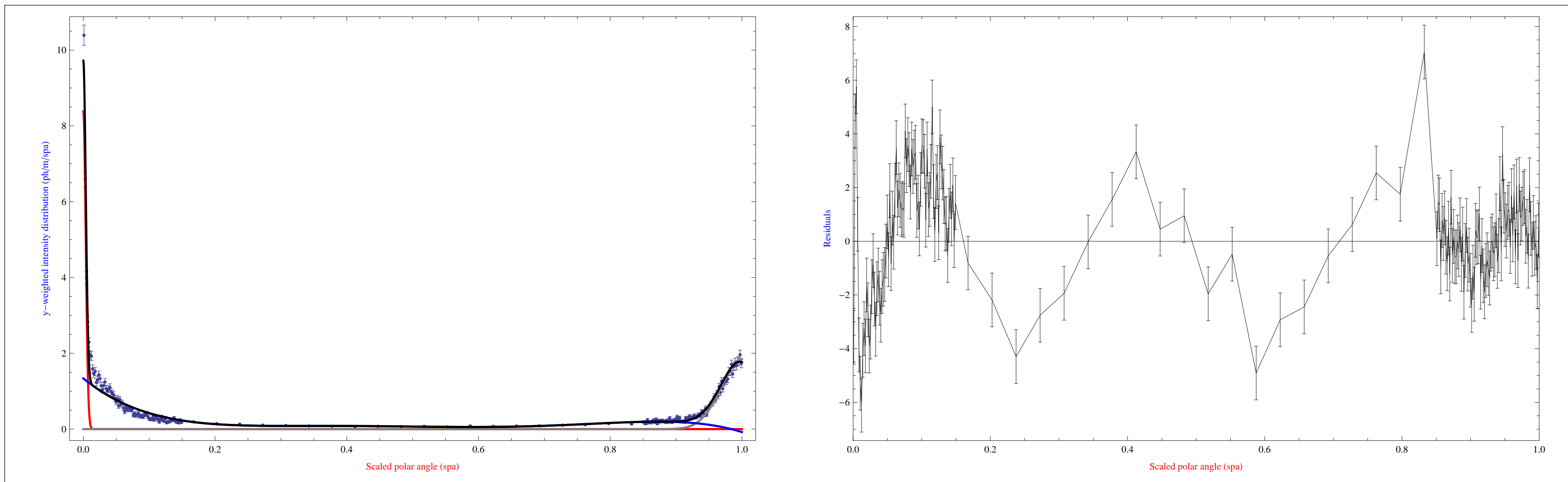
Type Number 1: QUADRUPOLE

Gaussian a (red): $a_0 = 65.68 \times 10^{-3}$, $\sigma_a = 8.232 \times 10^{-3}$ Gaussian b (gray): $b_0 = 176.3 \times 10^{-3}$, $\sigma_b = 29.01 \times 10^{-3}$ Background (blue): $c_1 = 1.294$, $c_2 = -12.95$, $c_3 = 53.03$ $c_4 = -104.2$, $c_5 = 97.39$, $c_6 = -34.32$ $I_a = 32.84 \times 10^{-3}$ ph/m $I_b = 88.15 \times 10^{-3}$ ph/m $I_c = 200.2 \times 10^{-3}$ ph/m $I_{\text{tot}} = 321.2 \times 10^{-3}$ ph/m $\chi^2/N_{\text{df}} = 2.10393$ 

Type Number 2: DRIFT

Gaussian a (red): $a_0 = 80.57 \times 10^{-3}$, $\sigma_a = 12.89 \times 10^{-3}$ Gaussian b (gray): $b_0 = 158.2 \times 10^{-3}$, $\sigma_b = 31.79 \times 10^{-3}$ Background (blue): $c_1 = 798.$ $\times 10^{-3}$, $c_2 = -7.715$, $c_3 = 32.6$ $c_4 = -66.3$, $c_5 = 63.79$, $c_6 = -22.97$ $I_a = 40.28 \times 10^{-3}$ ph/m $I_b = 79.08 \times 10^{-3}$ ph/m $I_c = 159.7 \times 10^{-3}$ ph/m $I_{\text{tot}} = 279.1 \times 10^{-3}$ ph/m $\chi^2/N_{\text{df}} = 2.54241$ 

Type Number 3: SBEND

Gaussian a (red): $a_0 = 76.75 \times 10^{-3}$, $\sigma_a = 3.652 \times 10^{-3}$ Gaussian b (gray): $b_0 = 145.1 \times 10^{-3}$, $\sigma_b = 31.28 \times 10^{-3}$ Background (blue): $c_1 = 1.338$, $c_2 = -14.19$, $c_3 = 61.93$ $c_4 = -129.2$, $c_5 = 127.7$, $c_6 = -47.68$ $I_a = 38.37 \times 10^{-3}$ ph/m $I_b = 72.55 \times 10^{-3}$ ph/m $I_c = 183.4 \times 10^{-3}$ ph/m $I_{\text{tot}} = 294.4 \times 10^{-3}$ ph/m $\chi^2/N_{\text{df}} = 4.41364$ 

Type Number 4: WIGGLER

Gaussian a (red): $a_0 = 357.3 \times 10^{-3}$, $\sigma_a = 14.51 \times 10^{-3}$ Gaussian b (gray): $b_0 = 391.8 \times 10^{-3}$, $\sigma_b = 12.99 \times 10^{-3}$ Background (blue): $c_1 = 1.503$, $c_2 = -15.72$, $c_3 = 60.18$ $c_4 = -102.3$, $c_5 = 75.34$, $c_6 = -17.8$ $I_a = 178.7 \times 10^{-3}$ ph/m $I_b = 195.9 \times 10^{-3}$ ph/m $I_c = 237.6 \times 10^{-3}$ ph/m $I_{\text{tot}} = 612.2 \times 10^{-3}$ ph/m $\chi^2/N_{\text{df}} = 2.20208$ 