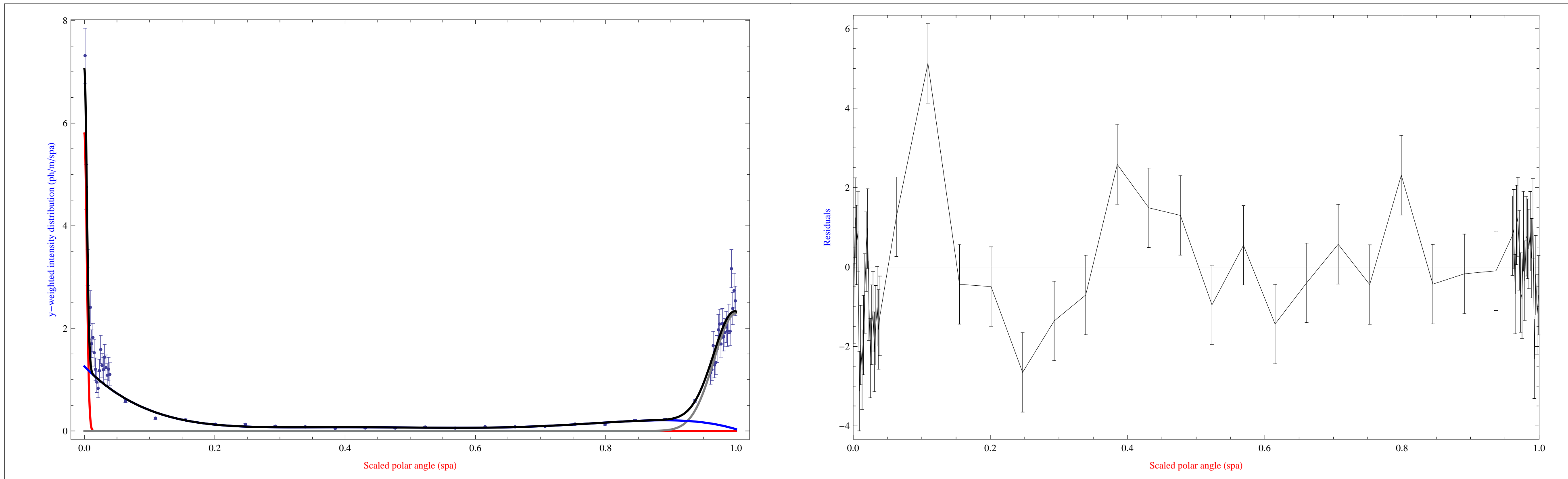
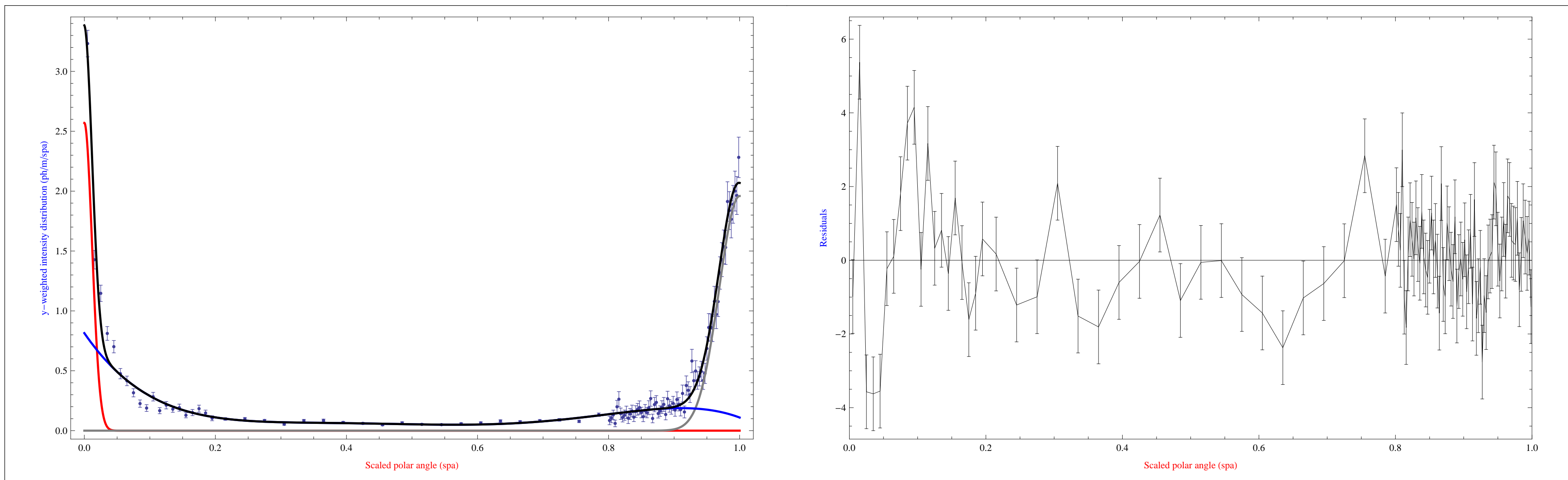


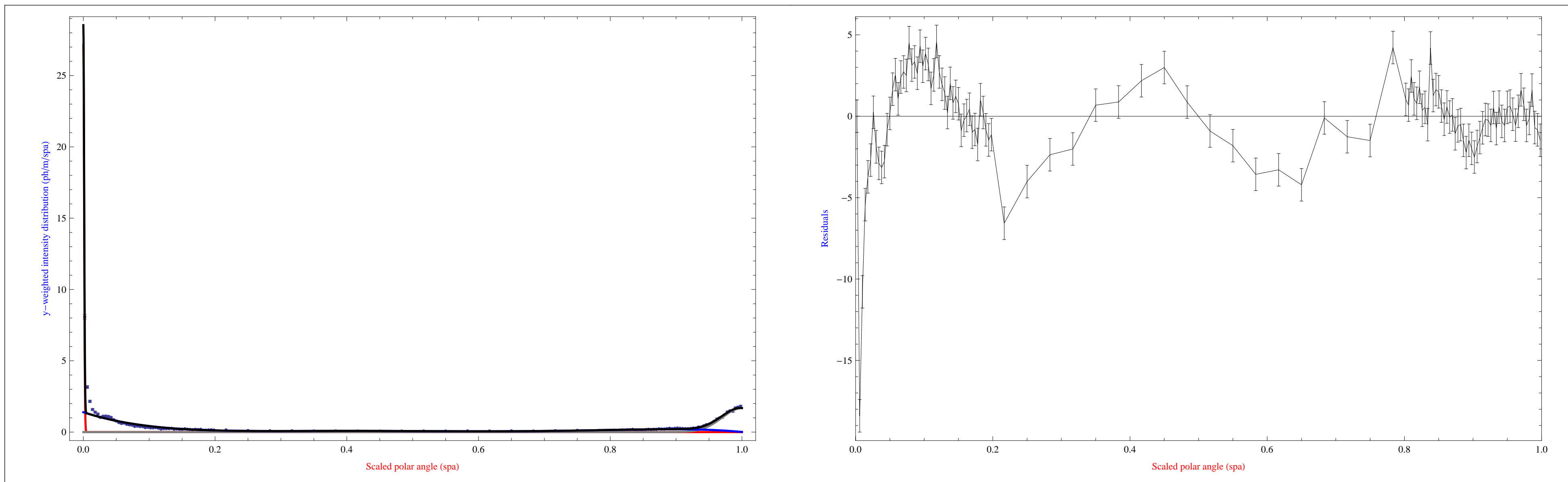
Type Number 1: QUADRUPOLE

Gaussian a (red): $a_0 = 52.04 \times 10^{-3}$, $\sigma_a = 3.581 \times 10^{-3}$ Gaussian b (gray): $b_0 = 193.3 \times 10^{-3}$, $\sigma_b = 33.61 \times 10^{-3}$ Background (blue): $c_1 = 1.259$, $c_2 = -13.05$, $c_3 = 55.33$ $c_4 = -112.4$, $c_5 = 108.8$, $c_6 = -39.88$ $I_a = 26.02 \times 10^{-3}$ ph/m $I_b = 96.67 \times 10^{-3}$ ph/m $I_c = 184. \times 10^{-3}$ ph/m $I_{\text{tot}} = 306.7 \times 10^{-3}$ ph/m $\chi^2/N_{\text{df}} = 2.08126$ 

Type Number 2: DRIFT

Gaussian a (red): $a_0 = 75.8 \times 10^{-3}$, $\sigma_a = 11.77 \times 10^{-3}$ Gaussian b (gray): $b_0 = 153. \times 10^{-3}$, $\sigma_b = 31.14 \times 10^{-3}$ Background (blue): $c_1 = 814.5 \times 10^{-3}$, $c_2 = -7.982$, $c_3 = 33.57$ $c_4 = -68.65$, $c_5 = 67.06$, $c_6 = -24.7$ $I_a = 37.9 \times 10^{-3}$ ph/m $I_b = 76.48 \times 10^{-3}$ ph/m $I_c = 145.3 \times 10^{-3}$ ph/m $I_{\text{tot}} = 259.6 \times 10^{-3}$ ph/m $\chi^2/N_{\text{df}} = 2.11073$ 

Type Number 3: SBEND

Gaussian a (red): $a_0 = 81.4 \times 10^{-3}$, $\sigma_a = 1.196 \times 10^{-3}$ Gaussian b (gray): $b_0 = 126.5 \times 10^{-3}$, $\sigma_b = 30.04 \times 10^{-3}$ Background (blue): $c_1 = 1.393$, $c_2 = -15.03$, $c_3 = 65.22$ $c_4 = -133.8$, $c_5 = 129.3$, $c_6 = -47.15$ $I_a = 40.7 \times 10^{-3}$ ph/m $I_b = 63.26 \times 10^{-3}$ ph/m $I_c = 185.7 \times 10^{-3}$ ph/m $I_{\text{tot}} = 289.6 \times 10^{-3}$ ph/m $\chi^2/N_{\text{df}} = 8.1184$ 

Type Number 4: WIGGLER

Gaussian a (red): $a_0 = 436.6 \times 10^{-3}$, $\sigma_a = 20.56 \times 10^{-3}$ Gaussian b (gray): $b_0 = 407.4 \times 10^{-3}$, $\sigma_b = 19.05 \times 10^{-3}$ Background (blue): $c_1 = 800.5 \times 10^{-3}$, $c_2 = -8.731$, $c_3 = 33.38$ $c_4 = -52.48$, $c_5 = 31.52$, $c_6 = -3.585$ $I_a = 218.3 \times 10^{-3}$ ph/m $I_b = 203.7 \times 10^{-3}$ ph/m $I_c = 145.5 \times 10^{-3}$ ph/m $I_{\text{tot}} = 567.5 \times 10^{-3}$ ph/m $\chi^2/N_{\text{df}} = 3.03053$ 