

Figure 1 shows the profile when the scattering angle is allowed to lie in the interval $\mu_{\text{out}} \in [-1, 1]$. Figure 2 shows the same computations, but with $\mu_{\text{out}} \in [0, 1]$

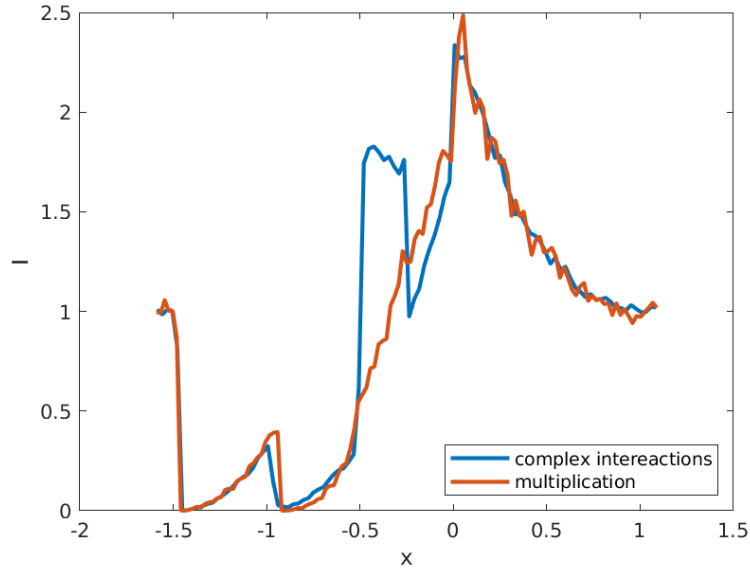


Figure 1: Comparison with multiplied profile ($\mu_{\text{out}} \in [-1, 1]$)

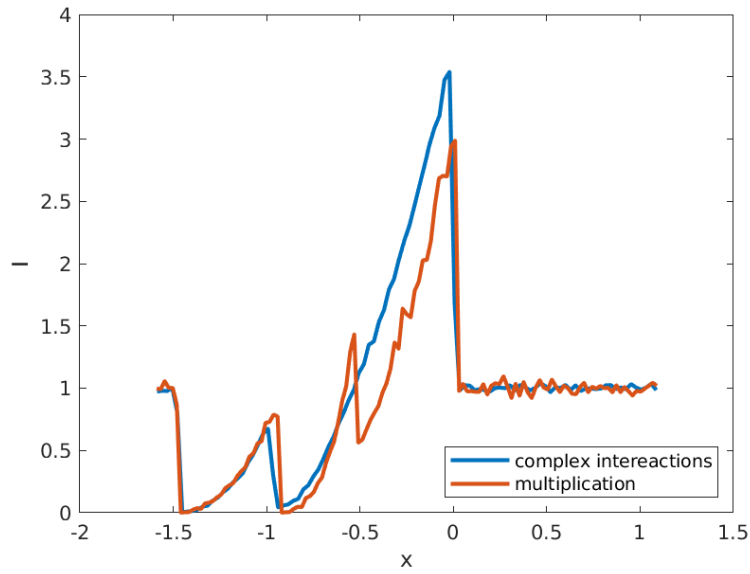


Figure 2: Comparison with multiplied profile ($\mu_{\text{out}} \in [0, 1]$)

Loosely speaking, one can understand this result because in Figure 2, photons are not allowed to be backscattered to the first resonance line.