164.796*(a3 + ((x0 - 12.5) * 0.00210526)*(a8 + 2*((x0 - 12.5) * 0.00210526) + gauss(((x0 - 12.5) * 0.00210526)))*gauss(a1*((x0 - 12.5) * 0.00210526) + a6) + (a4 + a7*gauss(a2 + 4*((x0 - 12.5) * 0.00210526)) + tanh(((x0 - 12.5) * 0.00210526)))*gauss(a5*((x0 - 12.5) * 0.00210526)**2 + ((x0 - 12.5) * 0.00210526))*tanh(((x0 - 12.5) * 0.00210526)))

SymbolFit

$a1 = -17.7733^{+0.628(3.53\%)}_{-0.628(3.53\%)}$, $a2 = -0.307739^{+0.0307(9.98\%)}_{-0.0307(9.98\%)}$,
$a3 = 0.0625018^{+0.00668(10.7\%)}_{-0.00668(10.7\%)}$, $a4 = 0.886819^{+0.149(16.8\%)}_{-0.149(16.8\%)}$,
$a5 = 1.30996^{+0.107(8.17\%)}_{-0.107(8.17\%)}$, $a6 = 2.89285^{+0.118(4.08\%)}_{-0.118(4.08\%)}$,
$a7 = 11.6623^{+0.654(5.61\%)}_{-0.654(5.61\%)}$, $a8 = 18.3245^{+0.6(3.27\%)}_{-0.6(3.27\%)}$

Candidate #43

χ^2/NDF = 2.837/12, p-value = 0.9966, RMSE = 4.34