

$$164.796 * (a_3 + ((x_0 - 12.5) * 0.00210526) * (a_8 + 2 * ((x_0 - 12.5) * 0.00210526) + \text{gauss}(((x_0 - 12.5) * 0.00210526))) * \text{gauss}(a_1 * ((x_0 - 12.5) * 0.00210526) + a_6) + (a_4 + a_7 * \text{gauss}(a_2 + 4 * ((x_0 - 12.5) * 0.00210526)) + \tanh(((x_0 - 12.5) * 0.00210526))) * \text{gauss}(a_5 * ((x_0 - 12.5) * 0.00210526)) * 2 + ((x_0 - 12.5) * 0.00210526) * \tanh(((x_0 - 12.5) * 0.00210526)))$$

$$a_1 = -17.7733^{+0.628(3.53\%)}_{-0.628(3.53\%)}, a_2 = -0.307739^{+0.0307(9.98\%)}_{-0.0307(9.98\%)},$$

$$a_3 = 0.0625018^{+0.00668(10.7\%)}_{-0.00668(10.7\%)}, a_4 = 0.886819^{+0.149(16.8\%)}_{-0.149(16.8\%)},$$

$$a_5 = 1.30996^{+0.107(8.17\%)}_{-0.107(8.17\%)}, a_6 = 2.89285^{+0.118(4.08\%)}_{-0.118(4.08\%)},$$

$$a_7 = 11.6623^{+0.654(5.61\%)}_{-0.654(5.61\%)}, a_8 = 18.3245^{+0.6(3.27\%)}_{-0.6(3.27\%)}$$

**Candidate #43**

$$\chi^2/\text{NDF} = 2.837/12, \text{p-value} = 0.9966, \text{RMSE} = 4.34$$

