

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

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

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

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

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

**Candidate #43**

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

