SymbolFit

$1.0*(a1**((x0 - 503.0) * 0.000286615)/(a2 + (((x0 - 503.0) * 0.000286615)*tanh(2*((x0 - 503.0) * 0.000286615)))**a3))$

$a1 = 3.371e-05^{+1.053e-05(31.2\%)}_{-8.422e-06(25.0\%)}$, $a2 = 0.0310135^{+0.0006493(2.09\%)}_{-0.0006368(2.05\%)}$,

$\mathbf{a3 = 0.641349^{+0.01099(1.71\%)}_{-0.01036(1.62\%)}}$

Candidate #18

χ^2/NDF = 64.11/166, RMSE = 0.6646, R2 = 0.9915