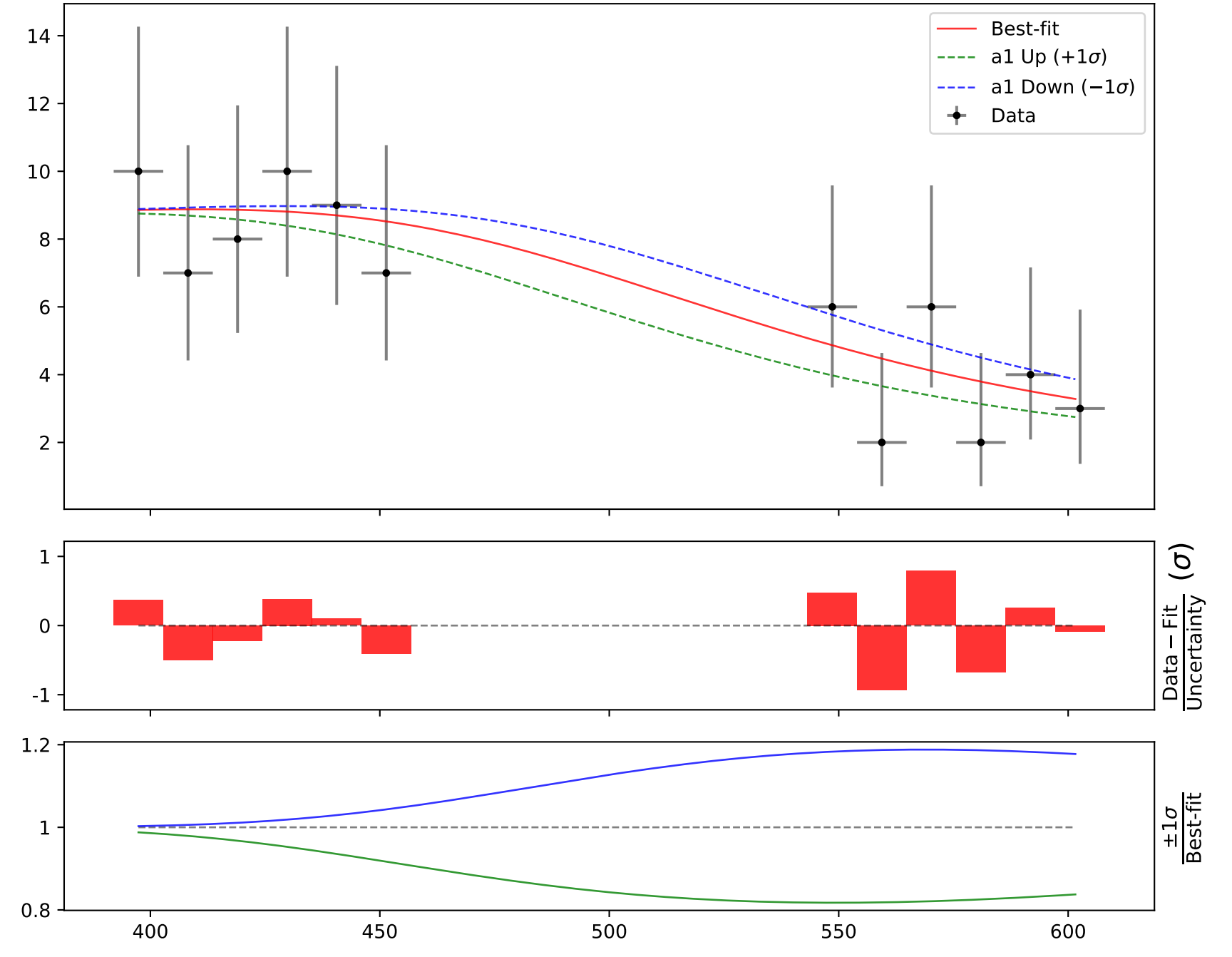
Candidate function #6

1.0*(a3*tanh(a2**(a1 + ((x0 - 397.4) * 0.00487329))) + ((x0 - 397.4) * 0.00487329))

**a1 = $-0.462816^{+0.1096(23.7\%)}_{-0.09589(20.7\%)}$**, $a2 = 0.0814$,
$a3 = 8.89122^{+1.034(11.6\%)}_{-0.9163(10.3\%)}$

***Candidate #6***
$\chi^2$/NDF = 3.019/10, RMSE = 1.411, R2 = 0.7396



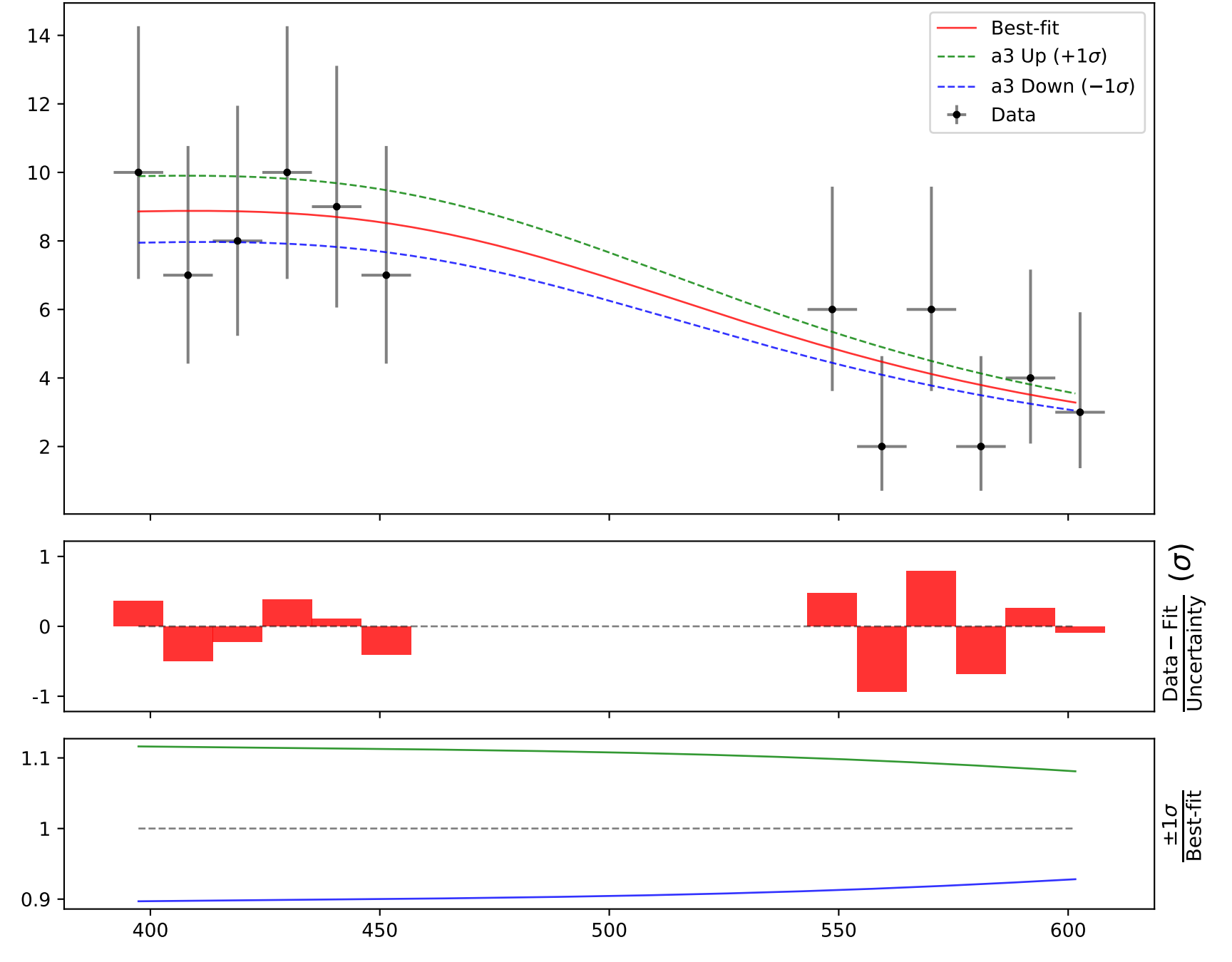
1.0*(a3*tanh(a2**(a1 + ((x0 - 397.4) * 0.00487329))) + ((x0 - 397.4) * 0.00487329))

$a1 = -0.462816^{+0.1096(23.7\%)}_{-0.09589(20.7\%)}$, $a2 = 0.0814$,

**$a3 = 8.89122^{+1.034(11.6\%)}_{-0.9163(10.3\%)}$**

***Candidate #6***

$\chi^2$/NDF = 3.019/10, RMSE = 1.411, R2 = 0.7396



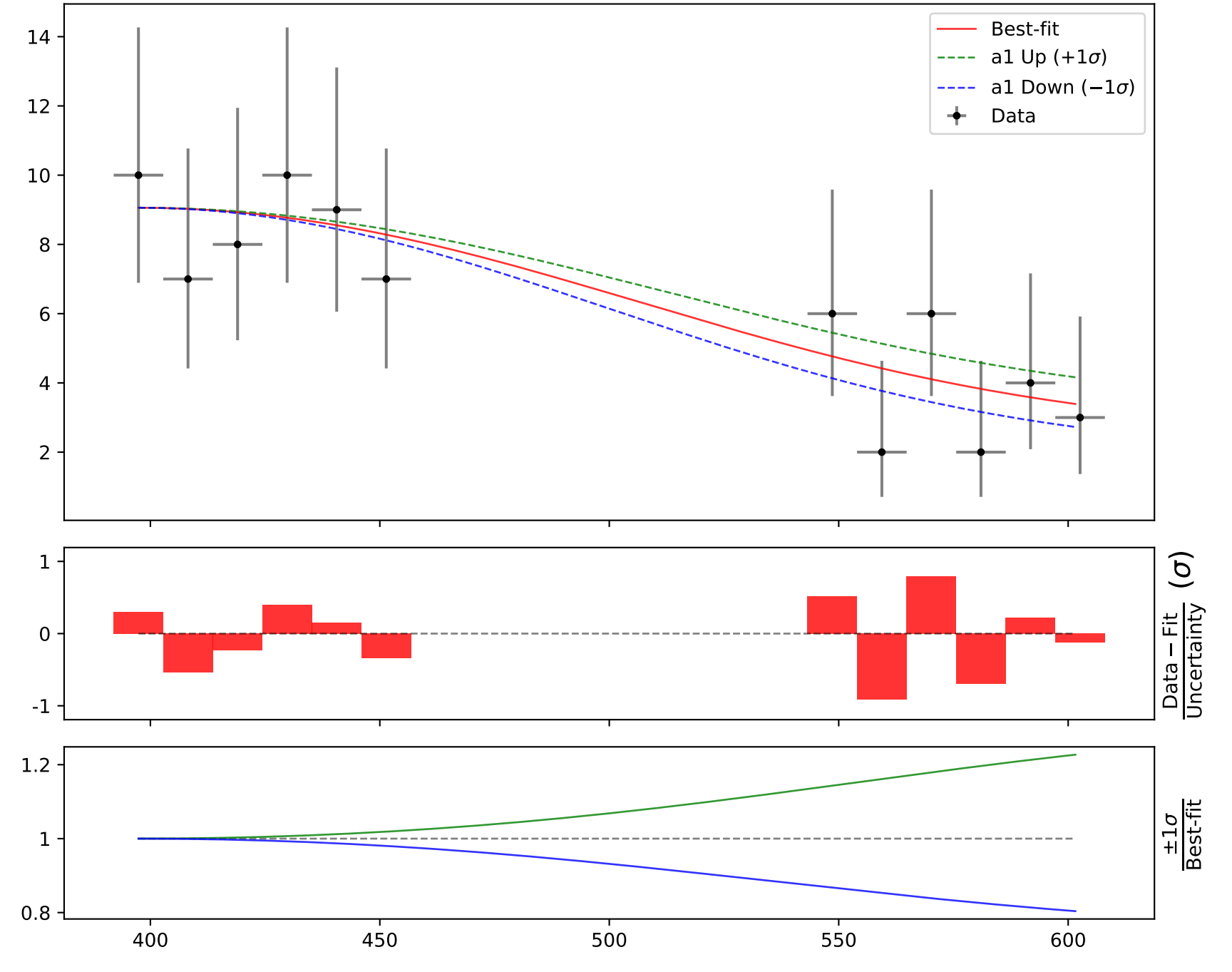
Candidate function #5

1.0*(a1**tanh(((x0 - 397.4) * 0.00487329)**2)*a2)

**a1 = 0.273265** $^{+0.08477(31.0\%)}_{-0.06844(25.0\%)}$, a2 = 9.05972 $^{+0.8597(9.49\%)}_{-0.8489(9.37\%)}$

***Candidate #5***

$\chi^2$/NDF = 3.018/10, RMSE = 1.409, R2 = 0.7401

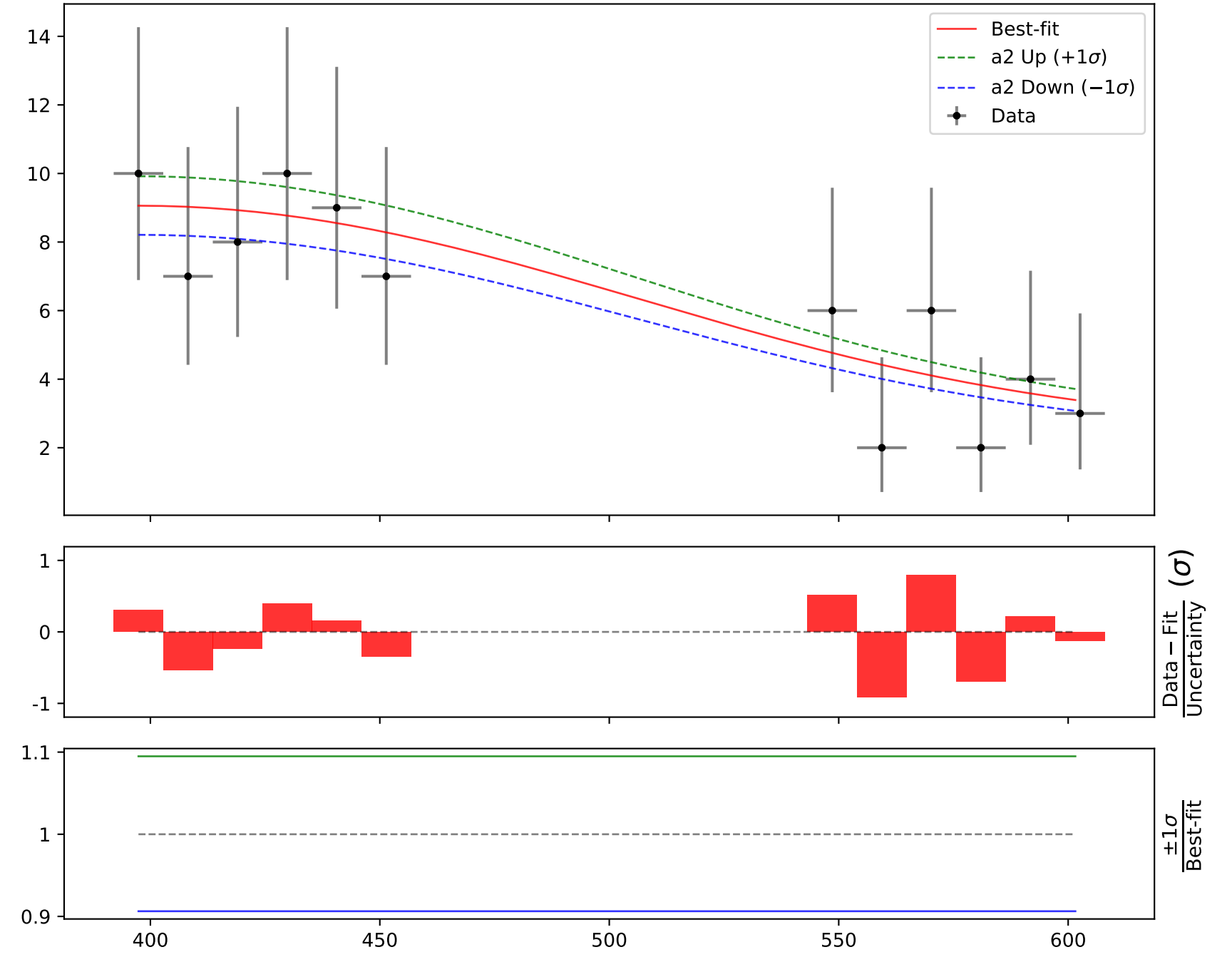


1.0*(a1**tanh(((x0 - 397.4) * 0.00487329)**2)*a2)

$a1 = 0.273265^{+0.08477(31.0\%)}_{-0.06844(25.0\%)}$, **$a2 = 9.05972^{+0.8597(9.49\%)}_{-0.8489(9.37\%)}$**

***Candidate #5***

$\chi^2$/NDF = 3.018/10, RMSE = 1.409, R2 = 0.7401



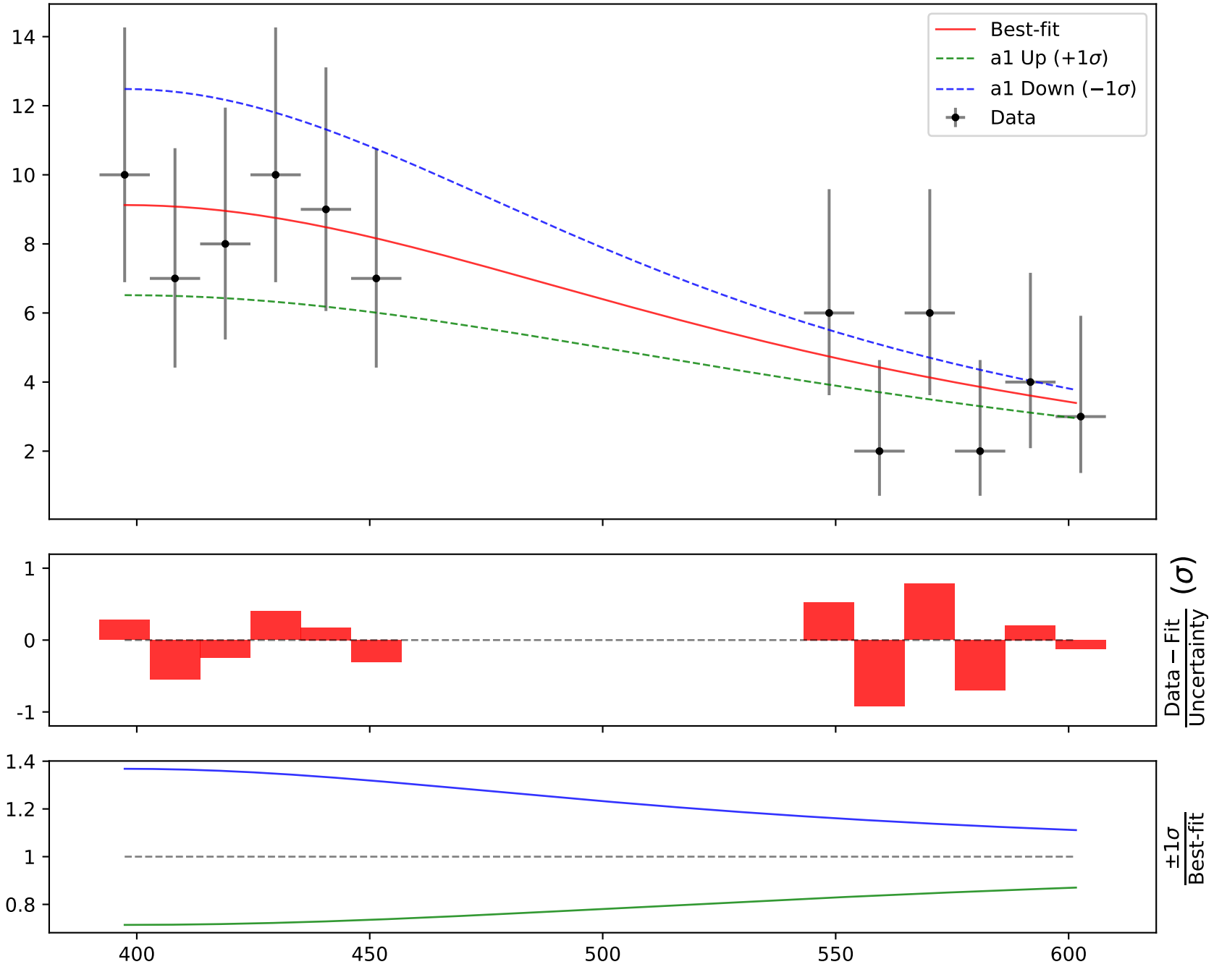
Candidate function #4

1.0*(a2/(a1 + ((x0 - 397.4) * 0.00487329)**2))

**a1 = 0.586574$^{+0.2349(40.0\%)}_{-0.1578(26.9\%)}$**, a2 = 5.35243$^{+1.74(32.5\%)}_{-1.261(23.6\%)}$

***Candidate #4***

$\chi^2$/NDF = 3.027/10, RMSE = 1.411, R2 = 0.7393

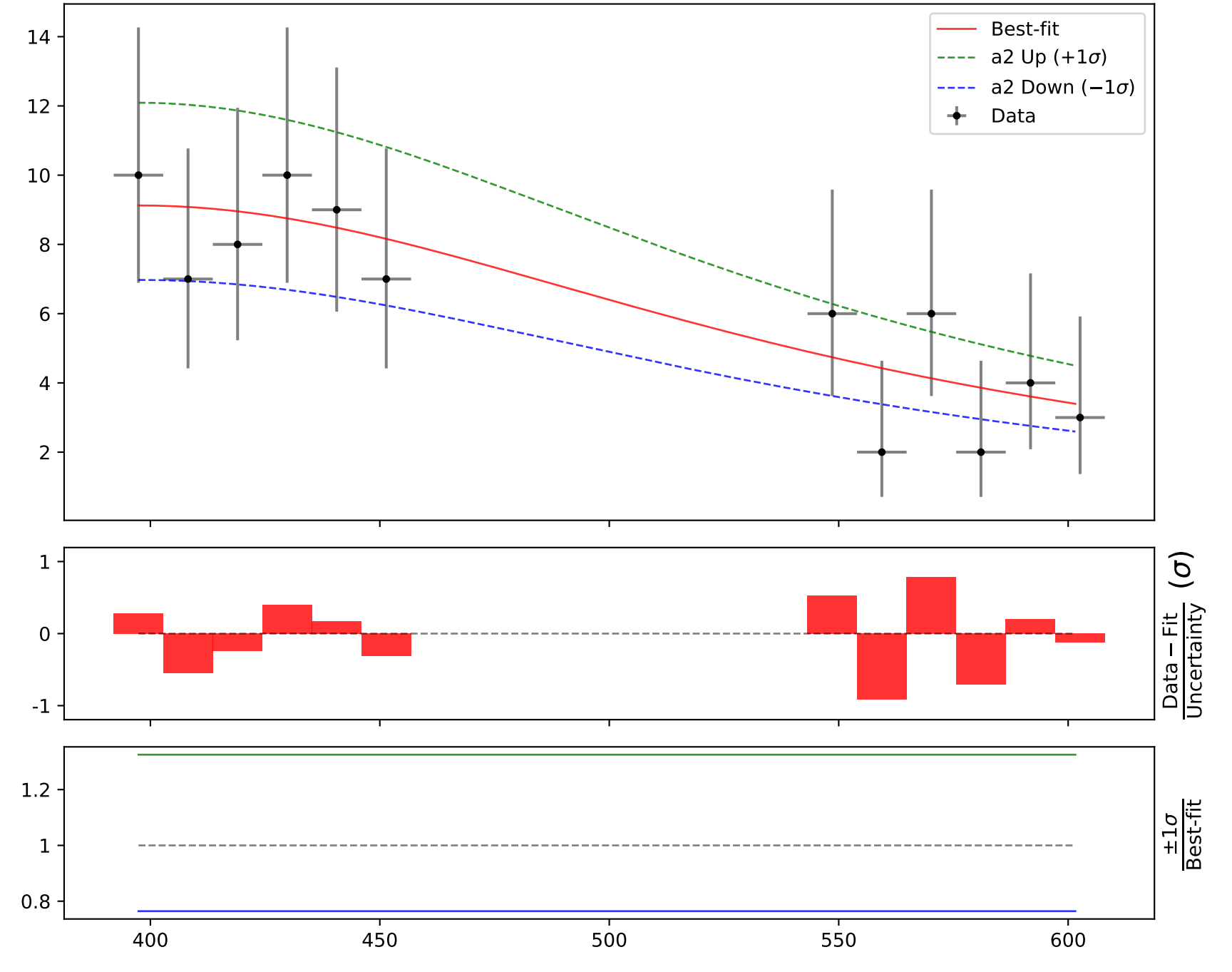


1.0*(a2/(a1 + ((x0 - 397.4) * 0.00487329)**2))

$a1 = 0.586574^{+0.2349(40.0\%)}_{-0.1578(26.9\%)}$, **$a2 = 5.35243^{+1.74(32.5\%)}_{-1.261(23.6\%)}$**

***Candidate #4***

$\chi^2$/NDF = 3.027/10, RMSE = 1.411, R2 = 0.7393



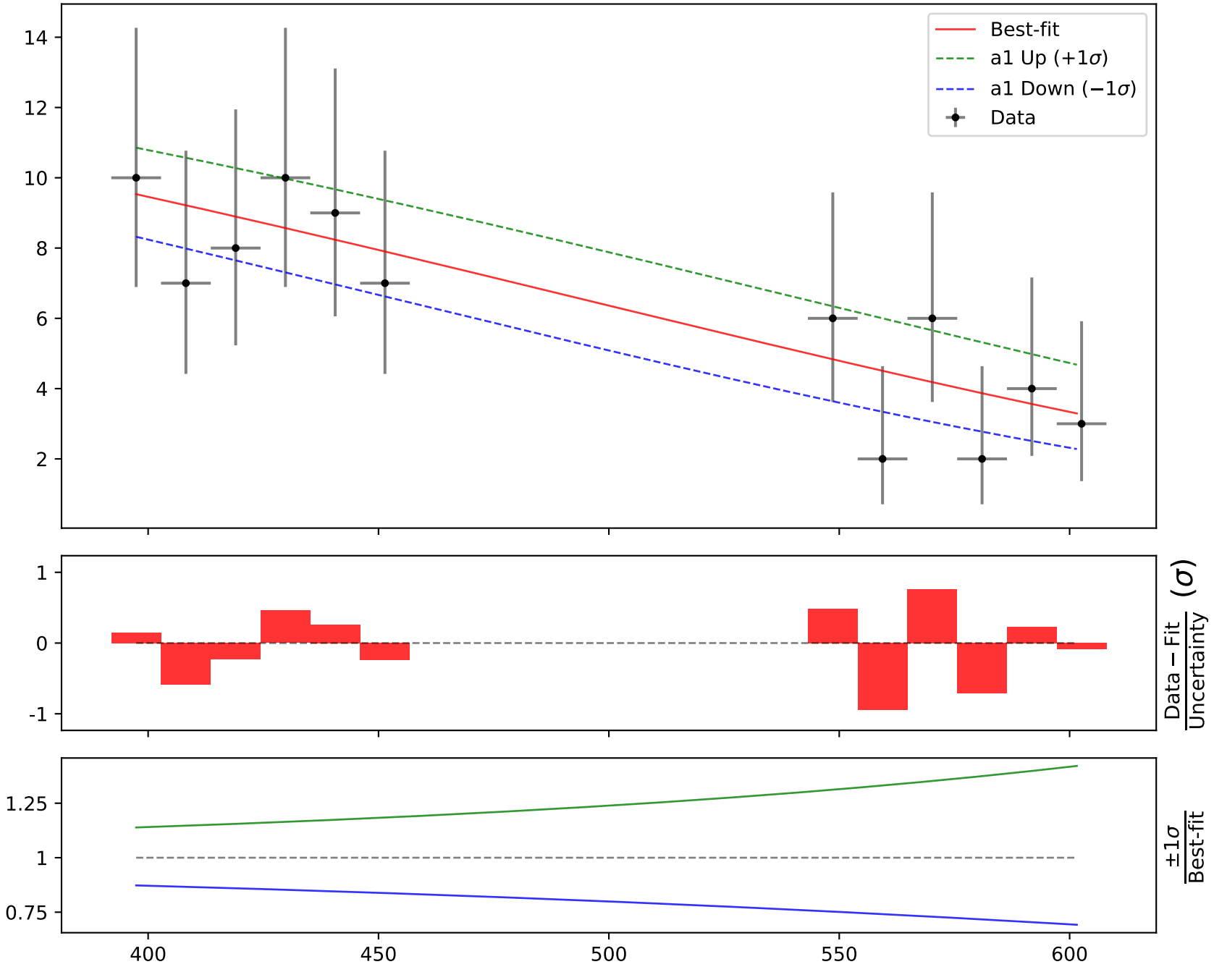
Candidate function #3

1.0*(a1**exp(((x0 - 397.4) * 0.00487329))*a2)

**a1 = 0.536111$^{+0.07436(13.9\%)}_{-0.06815(12.7\%)}$**, a2 = 17.7828$^{+4.228(23.8\%)}_{-3.461(19.5\%)}$

***Candidate #3***

$\chi^2$/NDF = 3.043/10, RMSE = 1.416, R2 = 0.7374

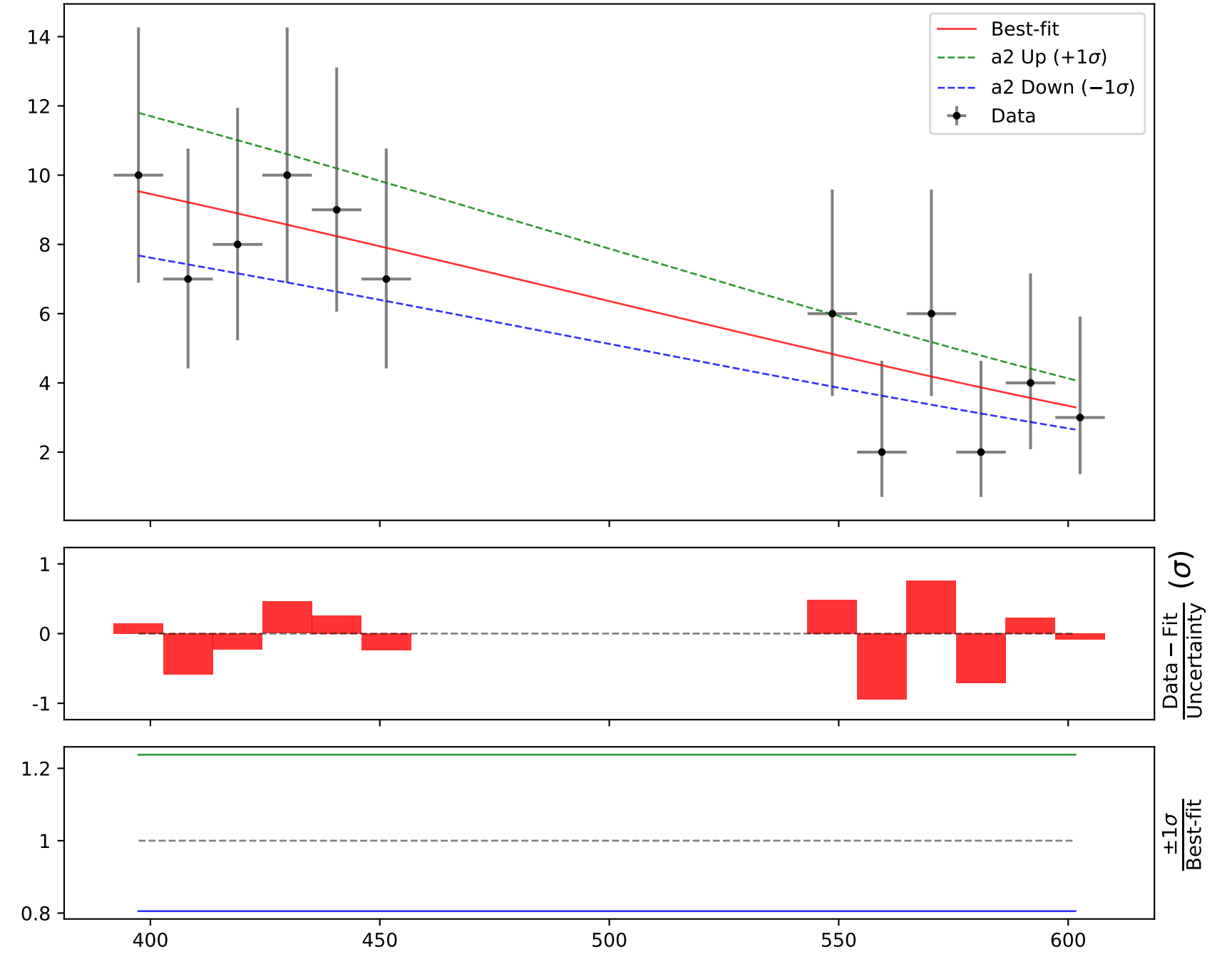


1.0*(a1**exp(((x0 - 397.4) * 0.00487329))*a2)

$a1 = 0.536111^{+0.07436(13.9\%)}_{-0.06815(12.7\%)}$, **$a2 = 17.7828^{+4.228(23.8\%)}_{-3.461(19.5\%)}$**

***Candidate #3***

$\chi^2$/NDF = 3.043/10, RMSE = 1.416, R2 = 0.7374



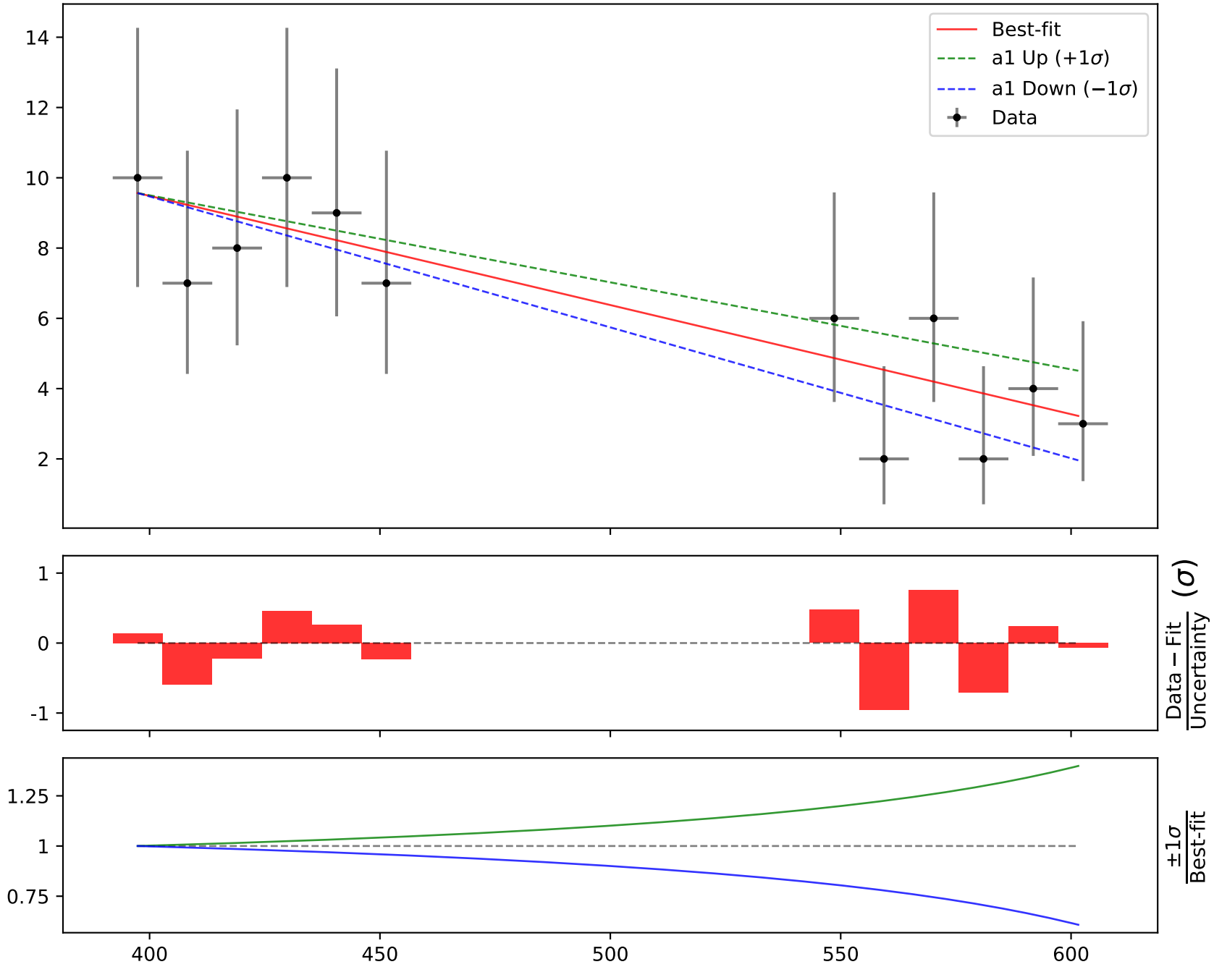
Candidate function #2

1.0*(a1*((x0 - 397.4) * 0.00487329) + a2)

**a1** $= -6.37461^{+1.292(20.3\%)}_{-1.271(19.9\%)}$, a2 $= 9.56559^{+0.9438(9.87\%)}_{-0.9267(9.69\%)}$

***Candidate #2***

$\chi^2$/NDF = 3.046/10, RMSE = 1.417, R2 = 0.7371

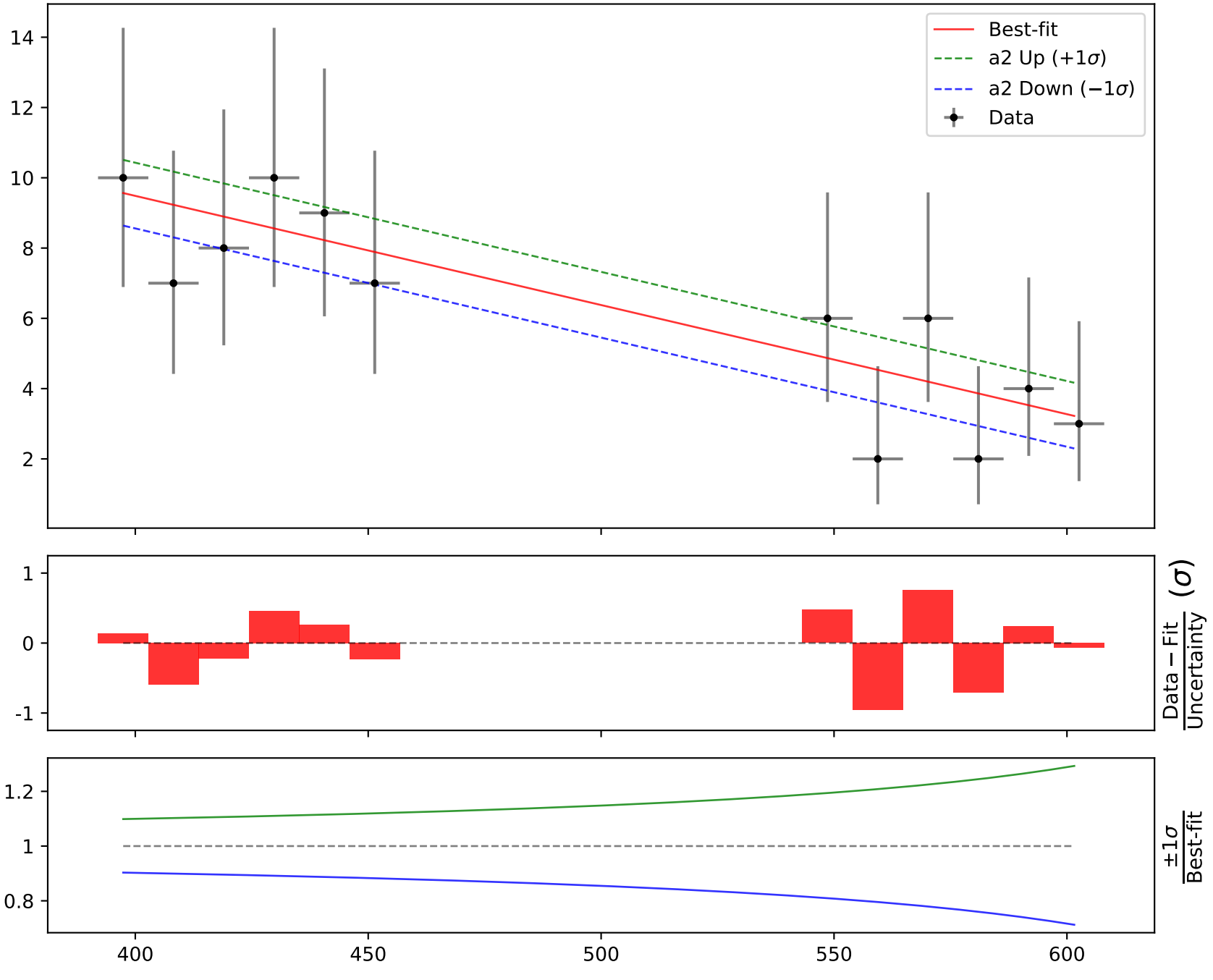


1.0*(a1*((x0 - 397.4) * 0.00487329) + a2)

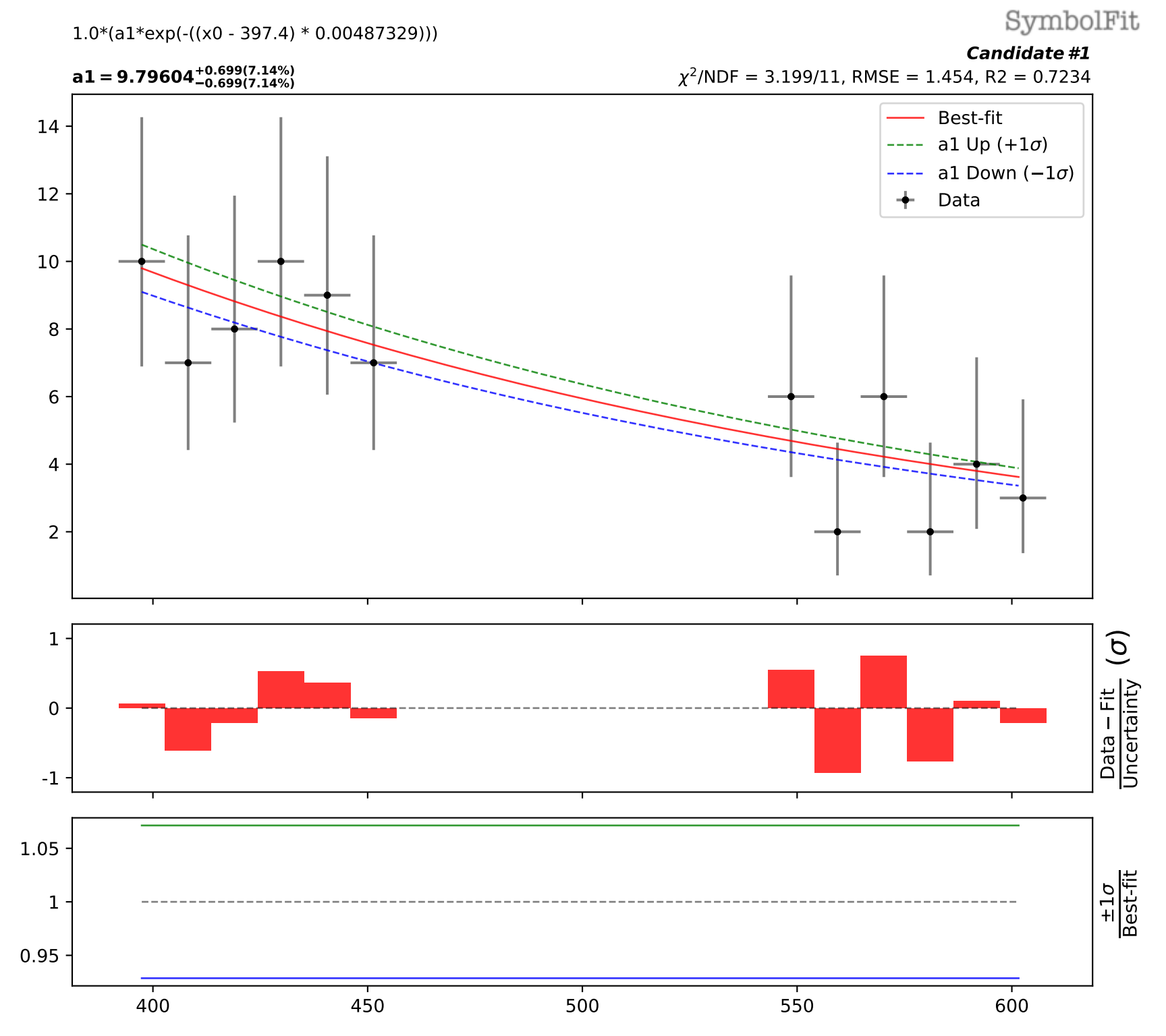
$a1 = -6.37461^{+1.292(20.3\%)}_{-1.271(19.9\%)}$, $\mathbf{a2 = 9.56559^{+0.9438(9.87\%)}_{-0.9267(9.69\%)}}$

***Candidate #2***

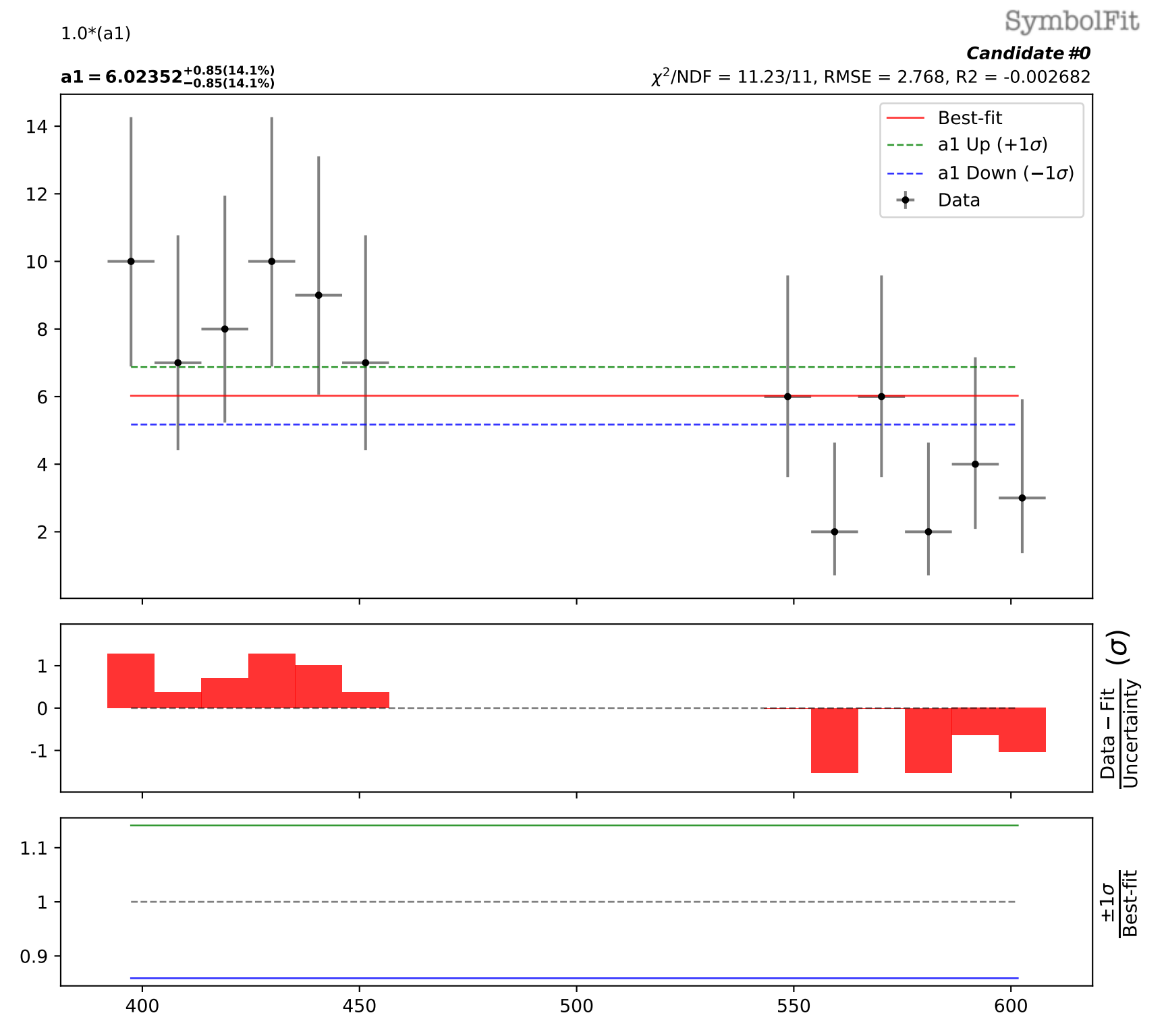
$\chi^2$/NDF = 3.046/10, RMSE = 1.417, R2 = 0.7371



Candidate function #1


SymbolFit
1.0*(a1*exp(-((x0 - 397.4) * 0.00487329)))
Candidate #1
a1 = 9.79604 +0.699(7.14%) −0.699(7.14%)
χ²/NDF = 3.199/11, RMSE = 1.454, R2 = 0.7234
Best-fit
a1 Up (+1σ)
a1 Down (−1σ)
Data
Data − Fit / Uncertainty (σ)
±1σ / Best-fit

Candidate function #0


1.0*(a1)
SymbolFit
Candidate #0
a1 = 6.02352 +0.85(14.1%) −0.85(14.1%)
χ²/NDF = 11.23/11, RMSE = 2.768, R2 = -0.002682
Best-fit
a1 Up (+1σ)
a1 Down (−1σ)
Data
Data − Fit / Uncertainty (σ)
±1σ / Best-fit