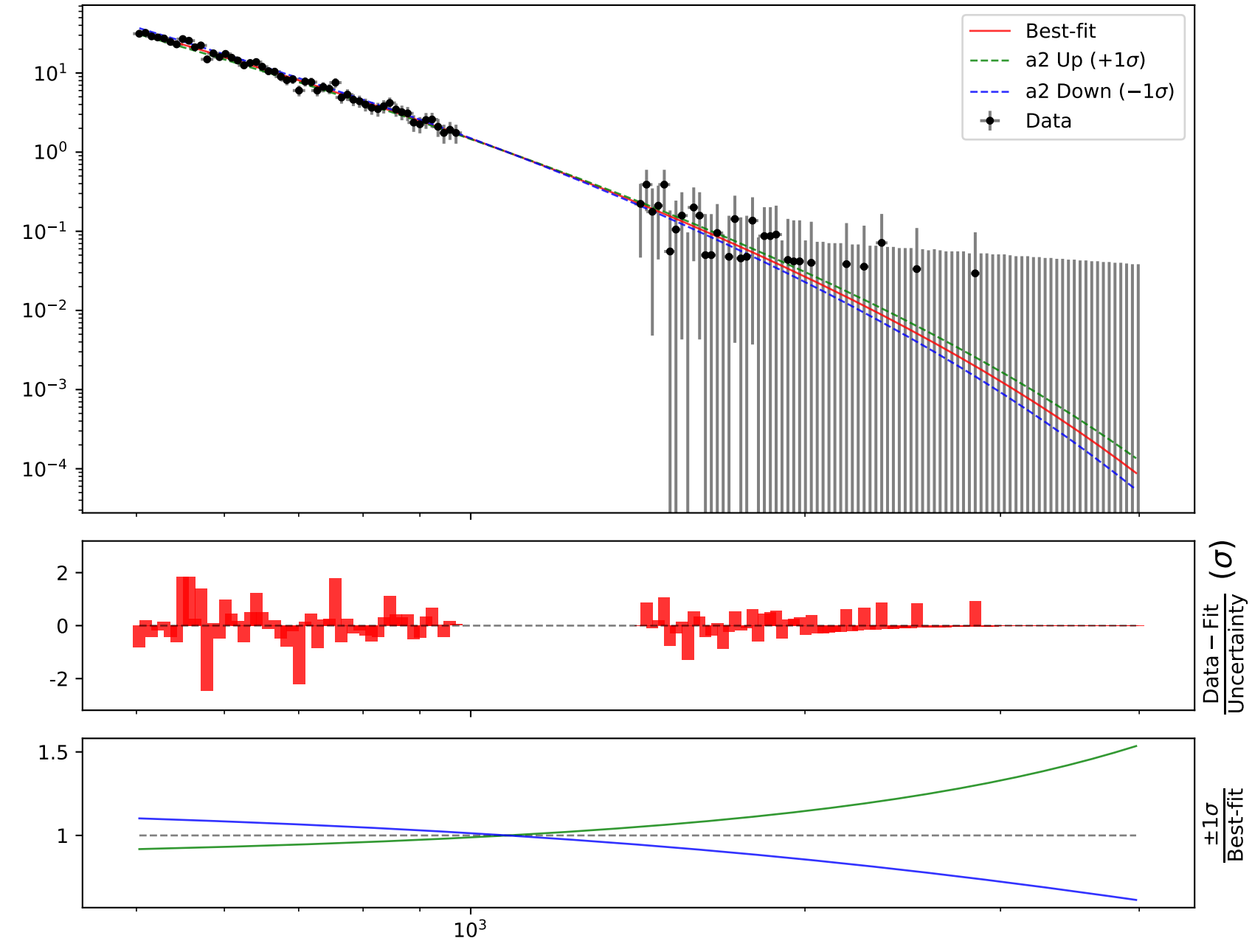
Candidate function #11

1.0*((a2*tanh(a3 + ((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.852$, $\mathbf{a2 = 0.140236^{+0.01478(10.5\%)}_{-0.01512(10.8\%)}}$,
$a3 = 0.116701^{+0.01586(13.6\%)}_{-0.01252(10.7\%)}$, $a4 = 5.15645^{+0.07138(1.38\%)}_{-0.06781(1.32\%)}$

Candidate #11

χ^2/NDF = 47.02/136, RMSE = 0.7564, R2 = 0.9906



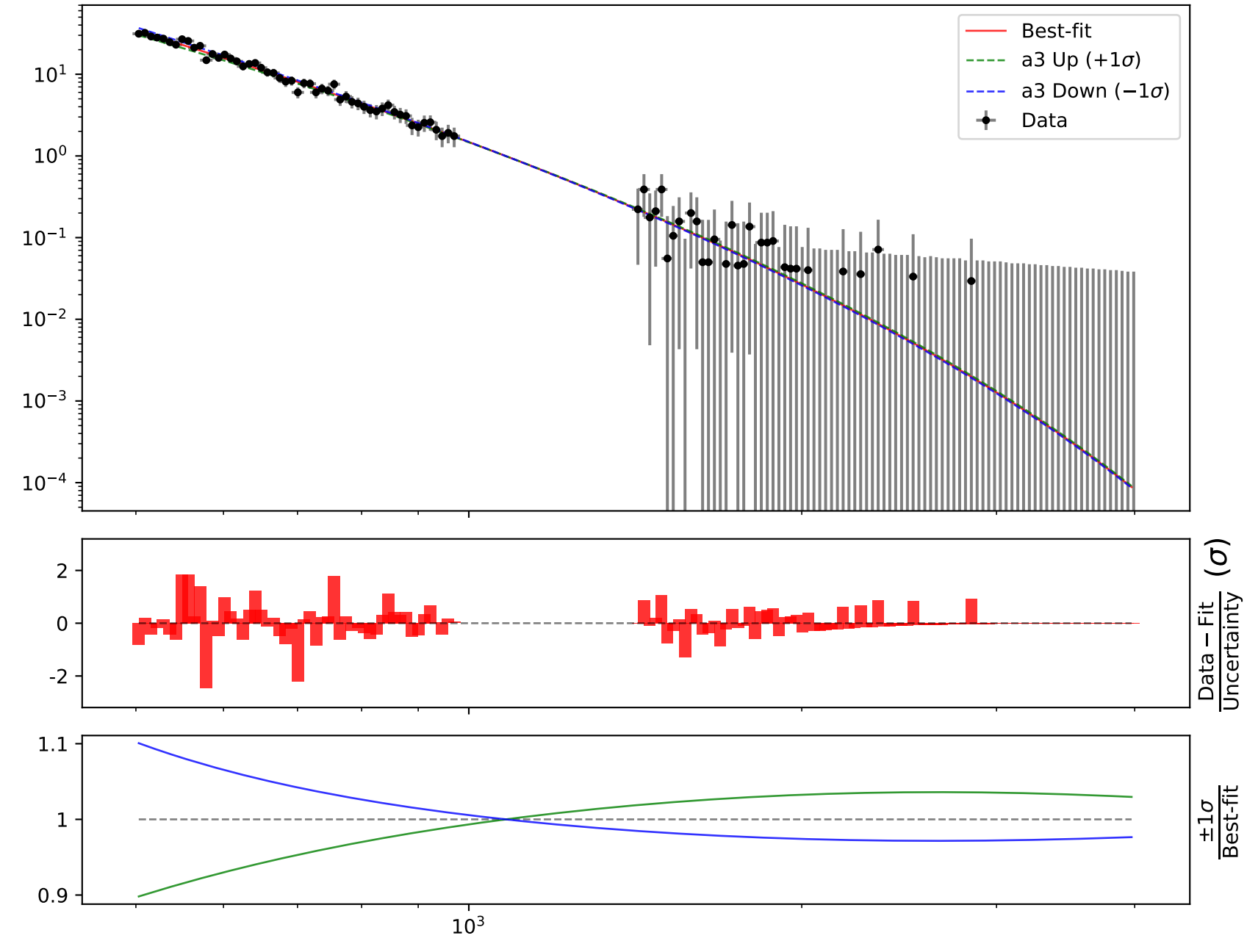
1.0*((a2*tanh(a3 + ((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.852$, $a2 = 0.140236^{+0.01478(10.5\%)}_{-0.01512(10.8\%)}$,

$a3 = 0.116701^{+0.01586(13.6\%)}_{-0.01252(10.7\%)}$, $a4 = 5.15645^{+0.07138(1.38\%)}_{-0.06781(1.32\%)}$

Candidate #11

χ^2/NDF = 47.02/136, RMSE = 0.7564, R2 = 0.9906



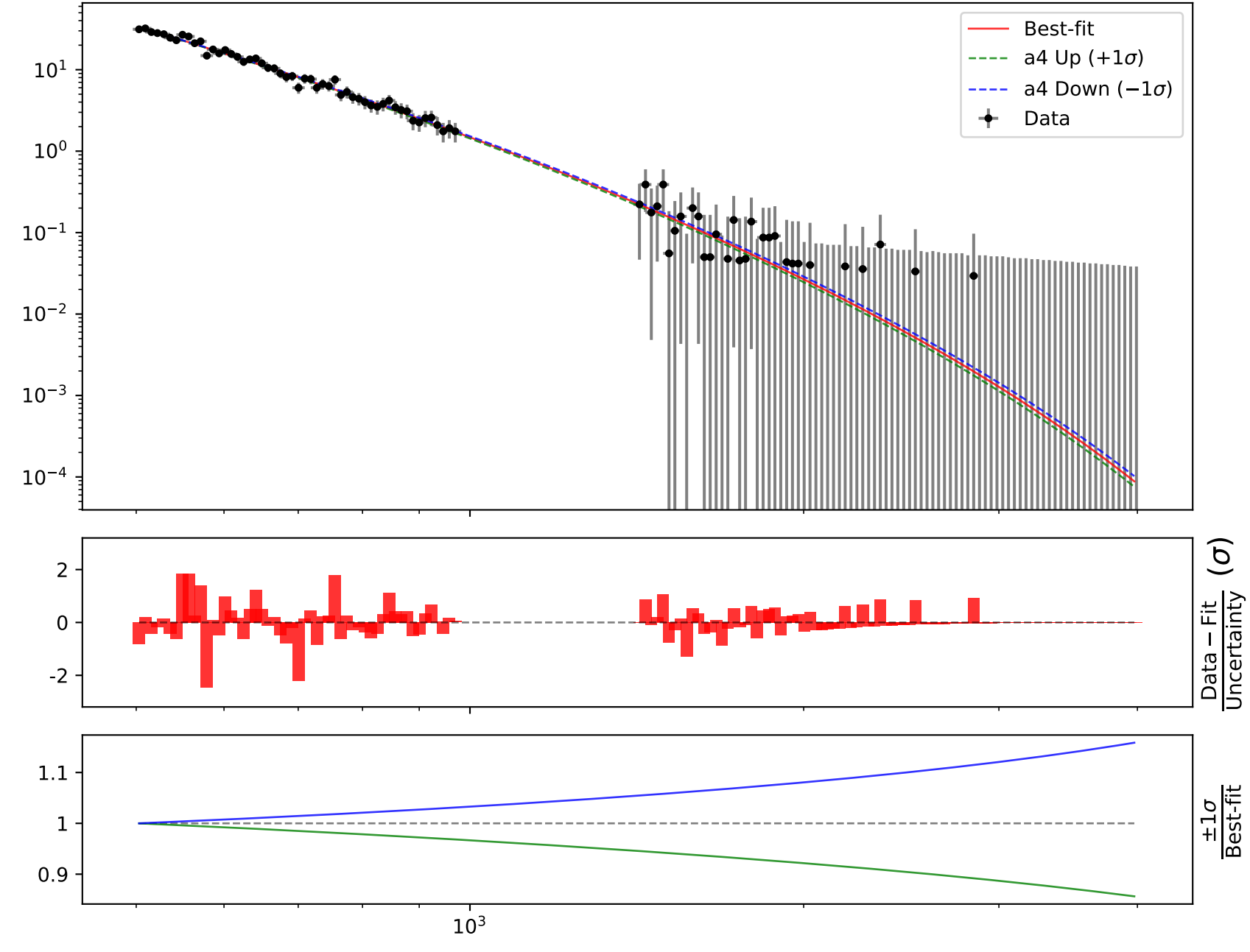
1.0*((a2*tanh(a3 + ((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.852$, $a2 = 0.140236^{+0.01478(10.5\%)}_{-0.01512(10.8\%)}$,

$a3 = 0.116701^{+0.01586(13.6\%)}_{-0.01252(10.7\%)}$, $\mathbf{a4 = 5.15645^{+0.07138(1.38\%)}_{-0.06781(1.32\%)}}$

Candidate #11

χ^2/NDF = 47.02/136, RMSE = 0.7564, R2 = 0.9906



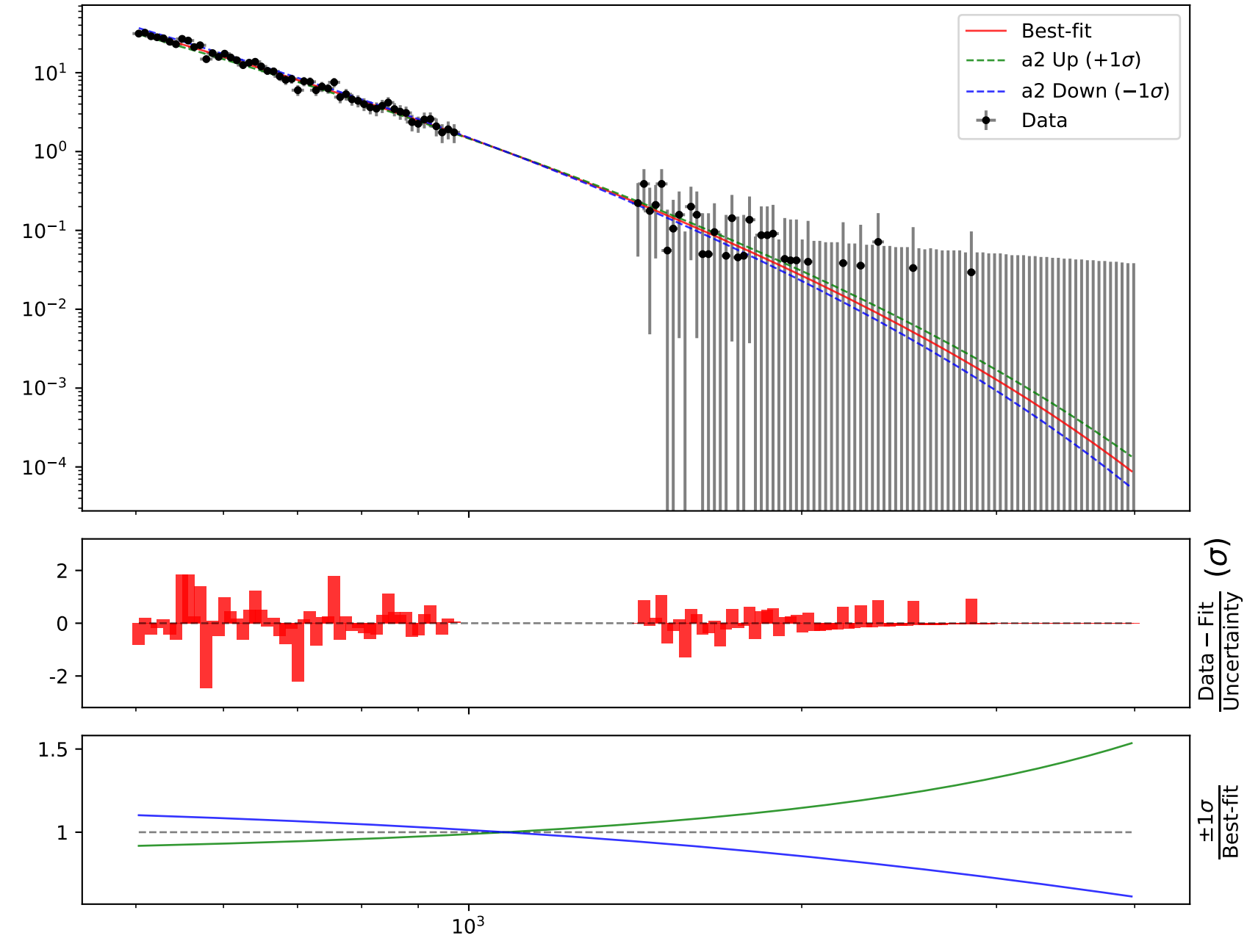
Candidate function #10

1.0*((a2*tanh(a3 + ((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.852$, $\mathbf{a2 = 0.140236^{+0.01478(10.5\%)}_{-0.01512(10.8\%)}}$,
$a3 = 0.116701^{+0.01586(13.6\%)}_{-0.01252(10.7\%)}$, $a4 = 5.15645^{+0.07138(1.38\%)}_{-0.06781(1.32\%)}$

Candidate #10

χ^2/NDF = 47.02/136, RMSE = 0.7564, R2 = 0.9906



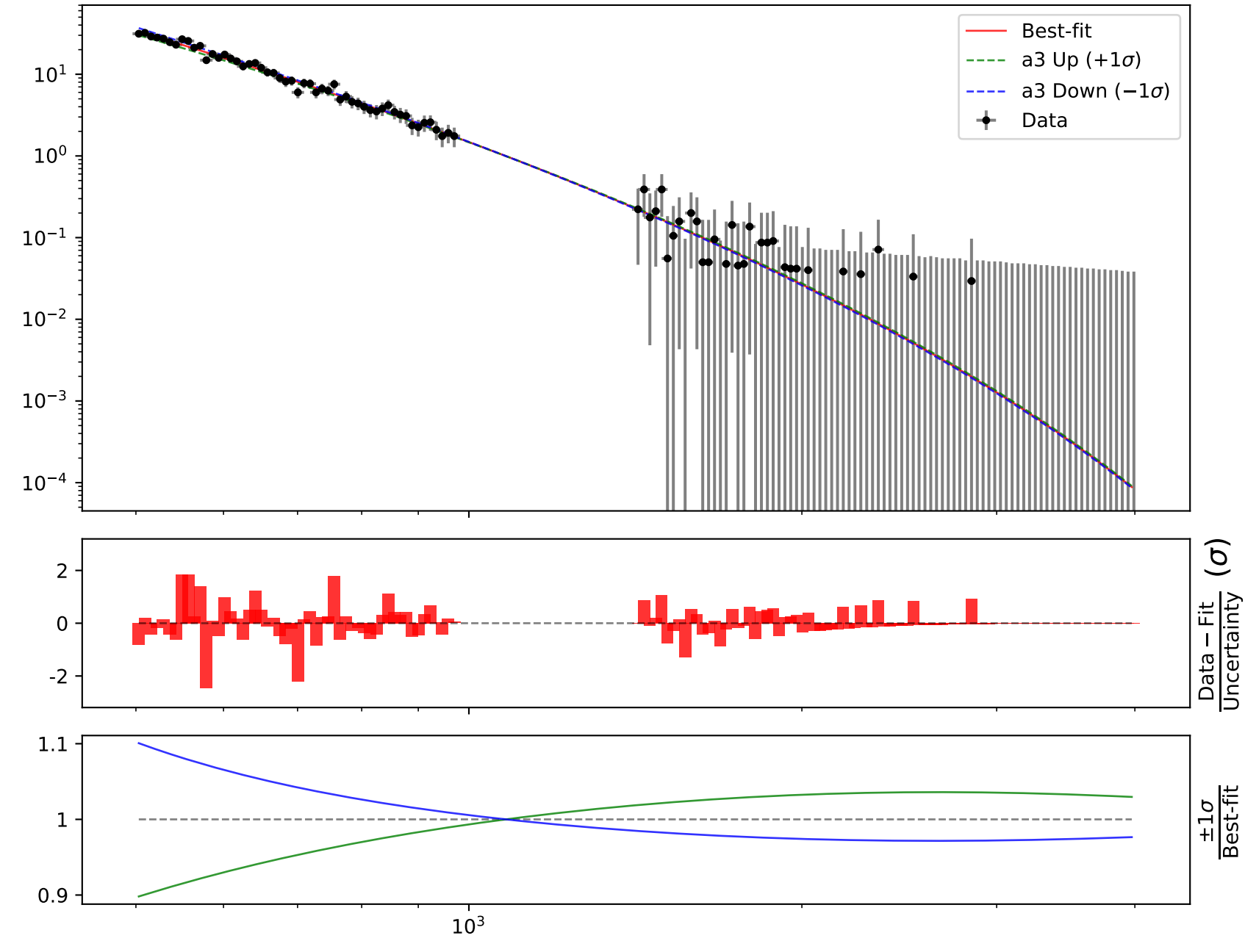
1.0*((a2*tanh(a3 + ((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.852$, $a2 = 0.140236^{+0.01478(10.5\%)}_{-0.01512(10.8\%)}$,

$a3 = 0.116701^{+0.01586(13.6\%)}_{-0.01252(10.7\%)}$, $a4 = 5.15645^{+0.07138(1.38\%)}_{-0.06781(1.32\%)}$

Candidate #10

χ^2/NDF = 47.02/136, RMSE = 0.7564, R2 = 0.9906



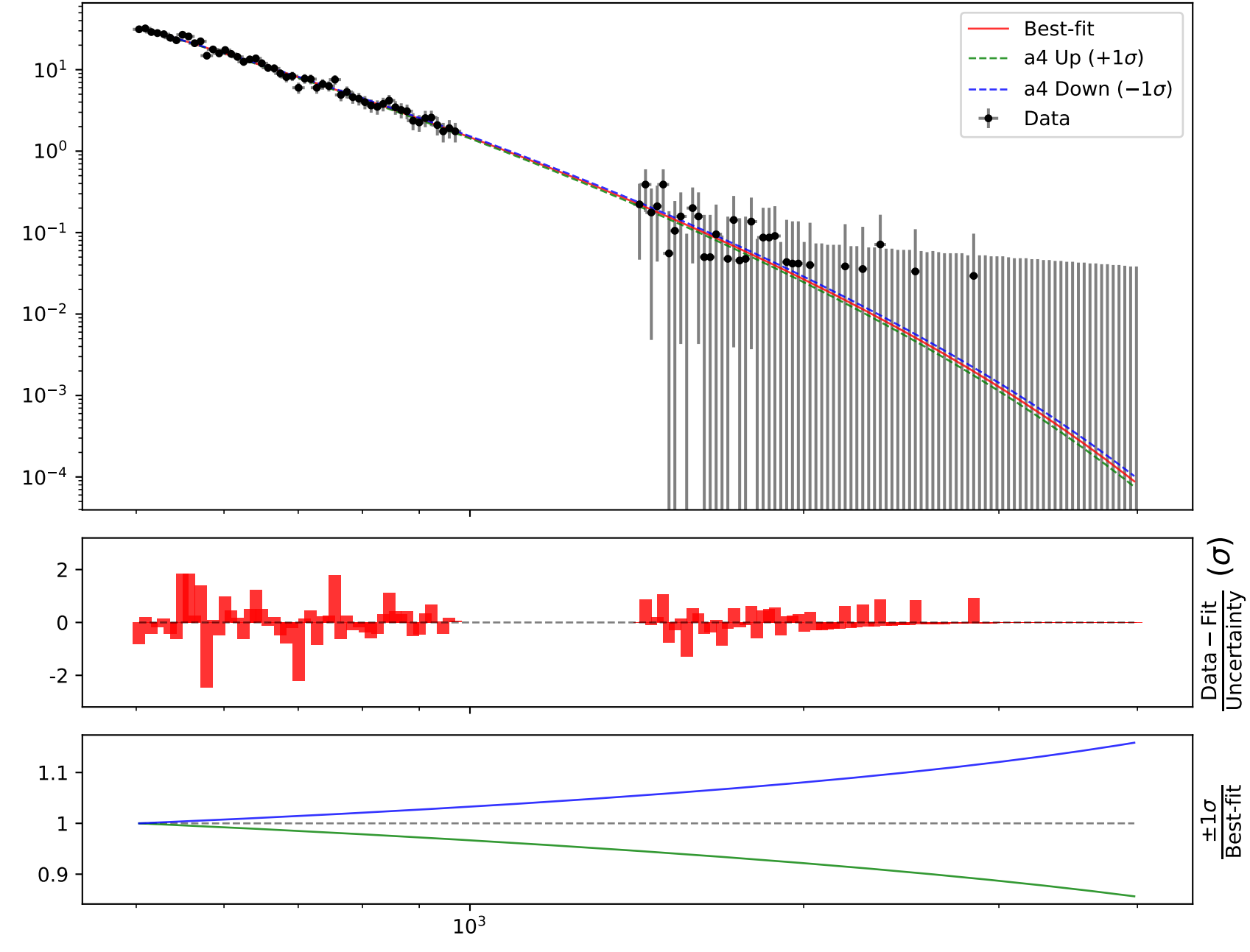
1.0*((a2*tanh(a3 + ((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.852$, $a2 = 0.140236^{+0.01478(10.5\%)}_{-0.01512(10.8\%)}$,

$a3 = 0.116701^{+0.01586(13.6\%)}_{-0.01252(10.7\%)}$, $\mathbf{a4 = 5.15645^{+0.07138(1.38\%)}_{-0.06781(1.32\%)}}$

Candidate #10

χ^2/NDF = 47.02/136, RMSE = 0.7564, R2 = 0.9906



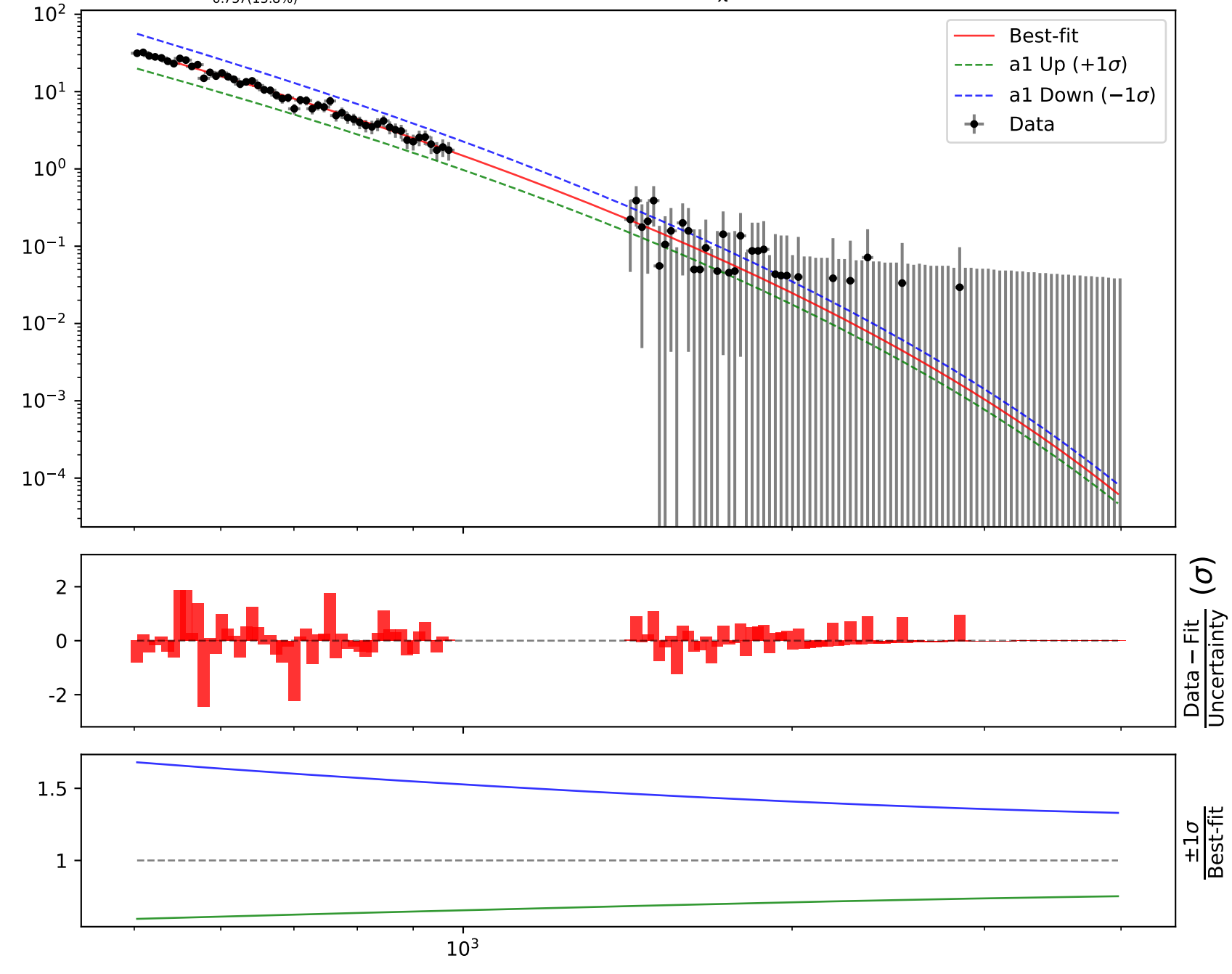
Candidate function #9

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

a1 = $-0.790326^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, a2 = $0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}$,
a3 = $4.78654^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #9

χ^2/NDF = 47.14/136, RMSE = 0.756, R2 = 0.9906

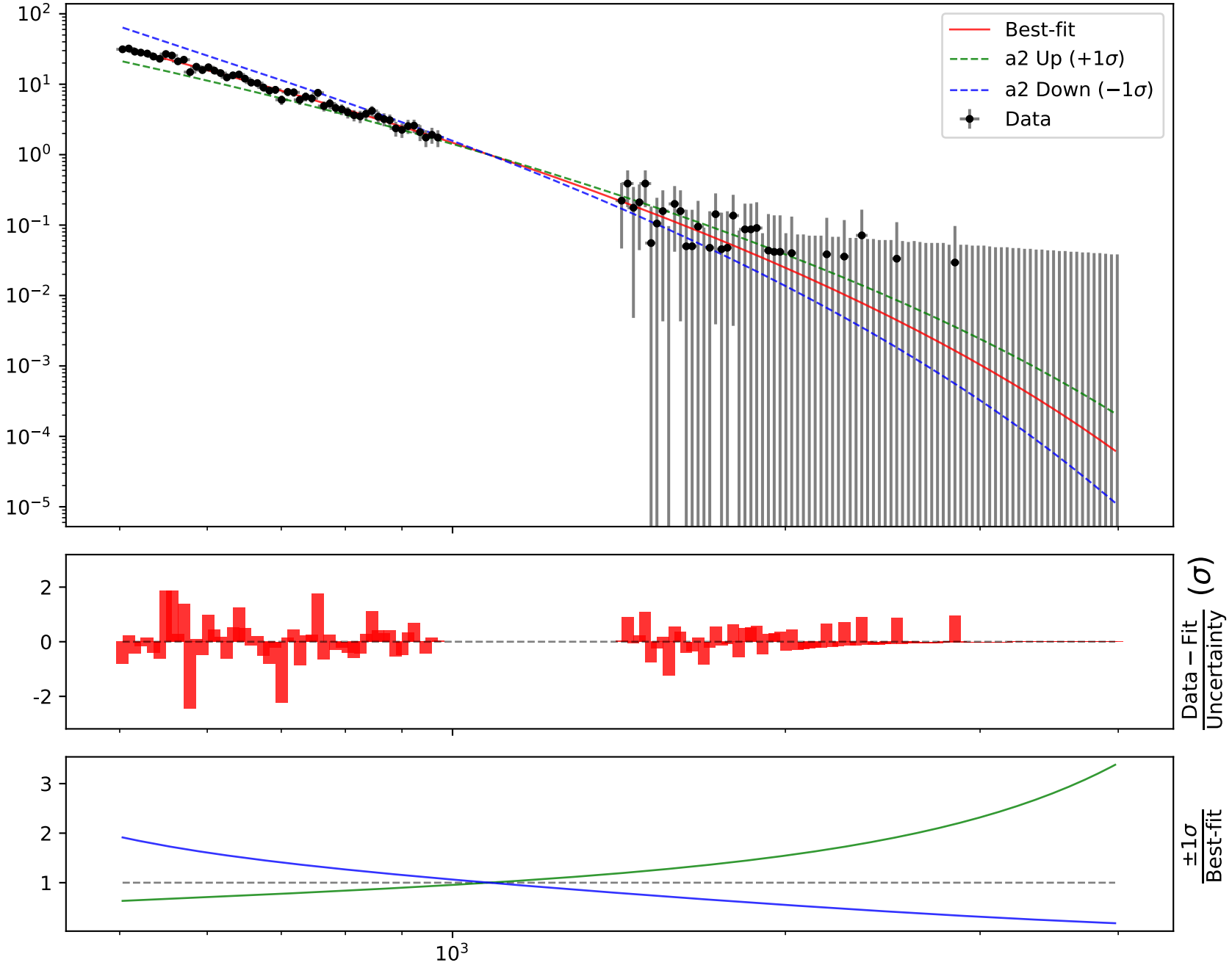


1.0*((a2*tanh(a2 + ((x0 - 503.0) * 0.000286615)))**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -0.790326^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, **$a2 = 0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}$**,
$a3 = 4.78654^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #9

χ^2/NDF = 47.14/136, RMSE = 0.756, R2 = 0.9906



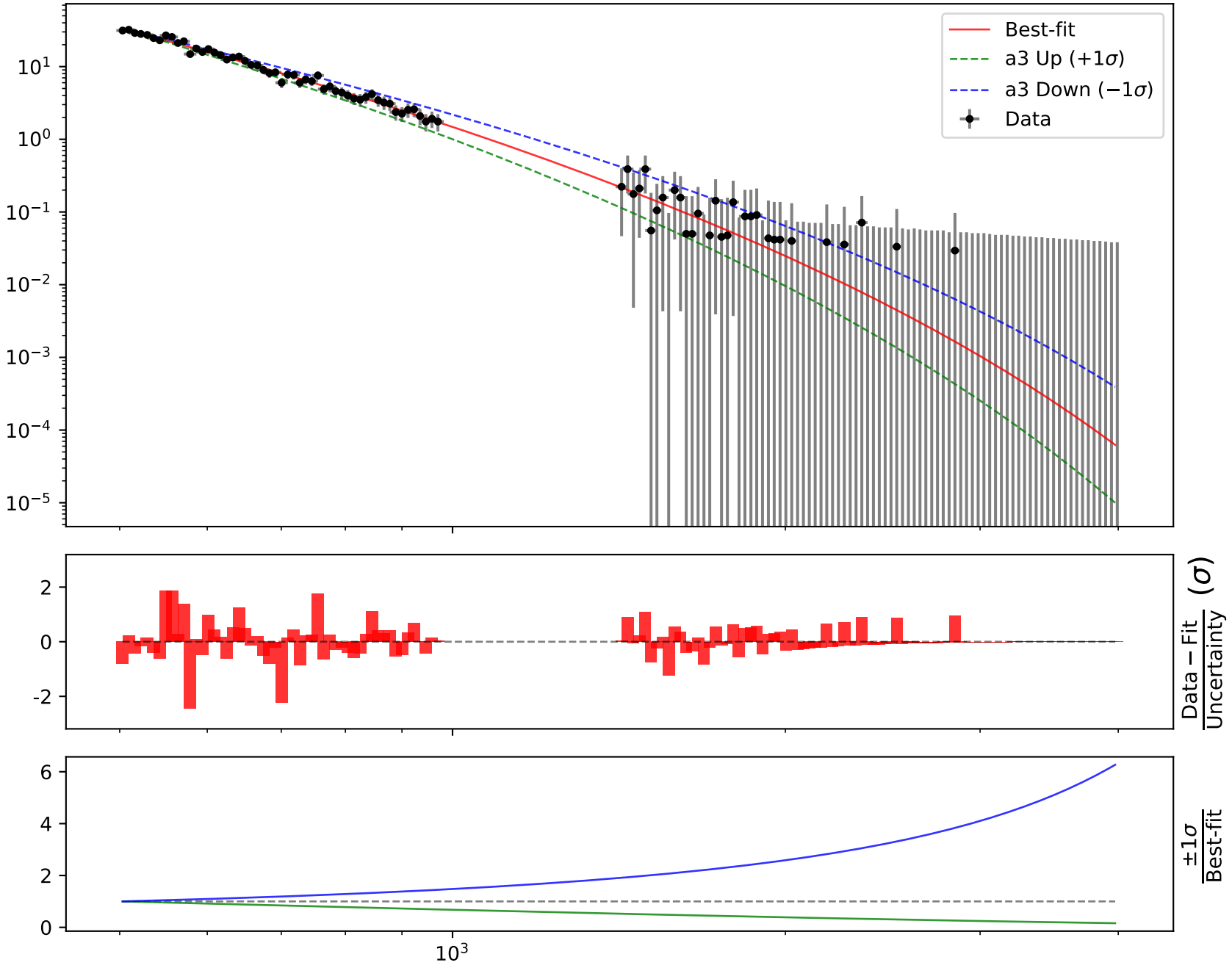
1.0*((a2*tanh(a2 + ((x0 - 503.0) * 0.000286615)))**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -0.790326^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, $a2 = 0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}$,

$a3 = 4.78654^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #9

χ^2/NDF = 47.14/136, RMSE = 0.756, R2 = 0.9906



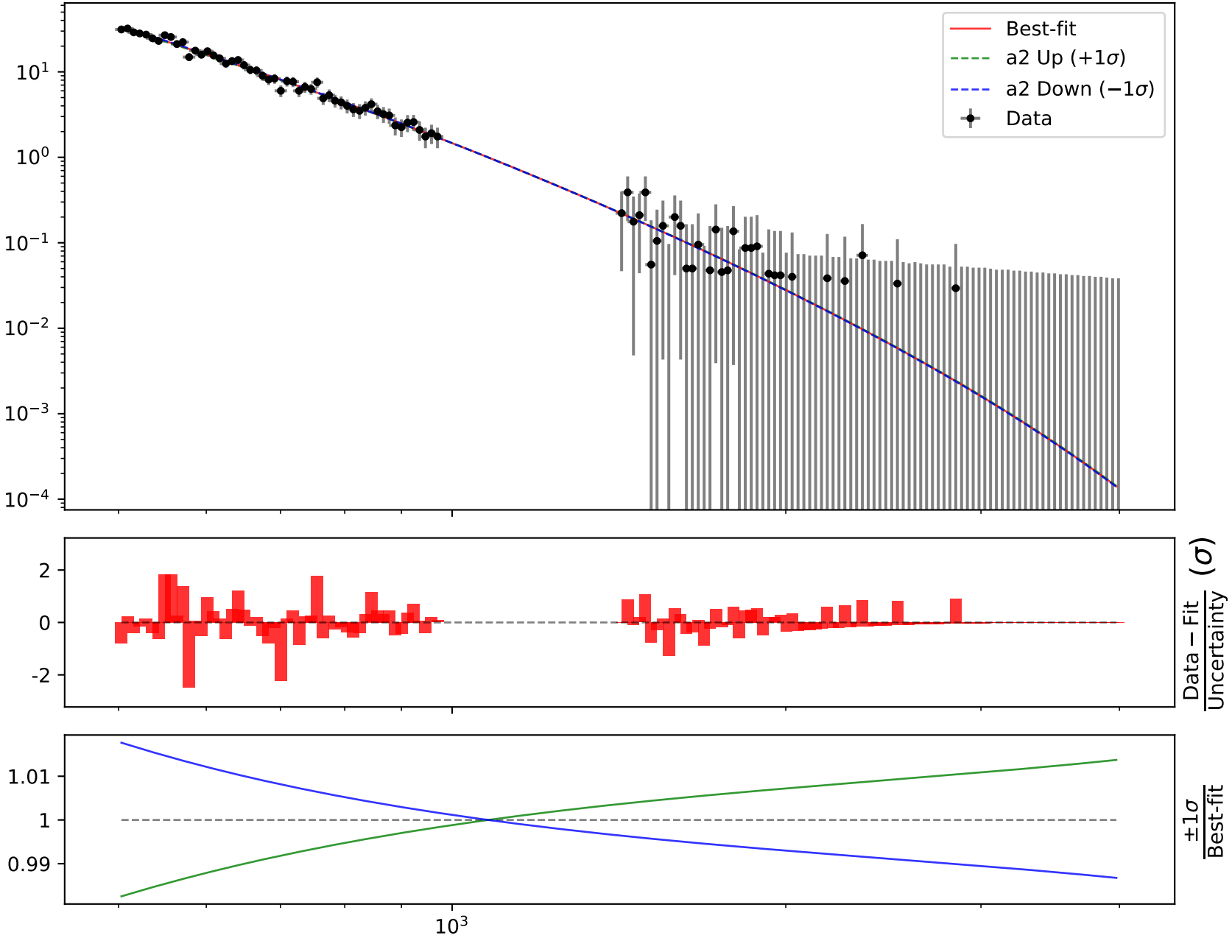
Candidate function #8

1.0*((a2 + a3*tanh(((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.928$, $\mathbf{a2 = 0.0228978^{+0.000439(1.92\%)}_{-0.0004282(1.87\%)}}$,
$a3 = 0.167928^{+0.01793(10.7\%)}_{-0.01847(11.0\%)}$, $a4 = 5.63594^{+0.07588(1.35\%)}_{-0.07221(1.28\%)}$

Candidate #8

χ^2/NDF = 46.87/136, RMSE = 0.7526, R2 = 0.9907



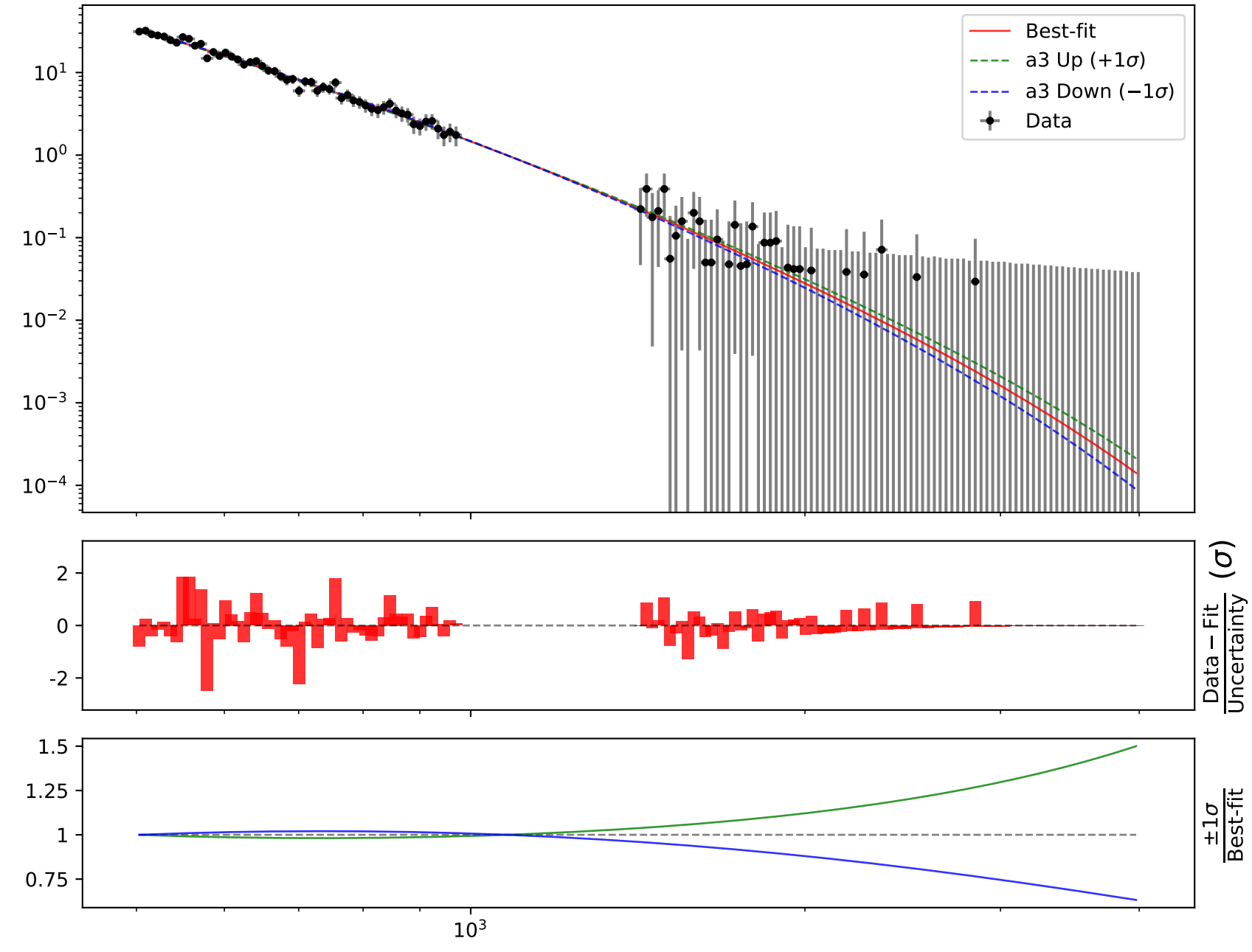
1.0*((a2 + a3*tanh(((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.928$, $a2 = 0.0228978^{+0.000439(1.92\%)}_{-0.0004282(1.87\%)}$,

$a3 = 0.167928^{+0.01793(10.7\%)}_{-0.01847(11.0\%)}$, $a4 = 5.63594^{+0.07588(1.35\%)}_{-0.07221(1.28\%)}$

Candidate #8

χ^2/NDF = 46.87/136, RMSE = 0.7526, R2 = 0.9907

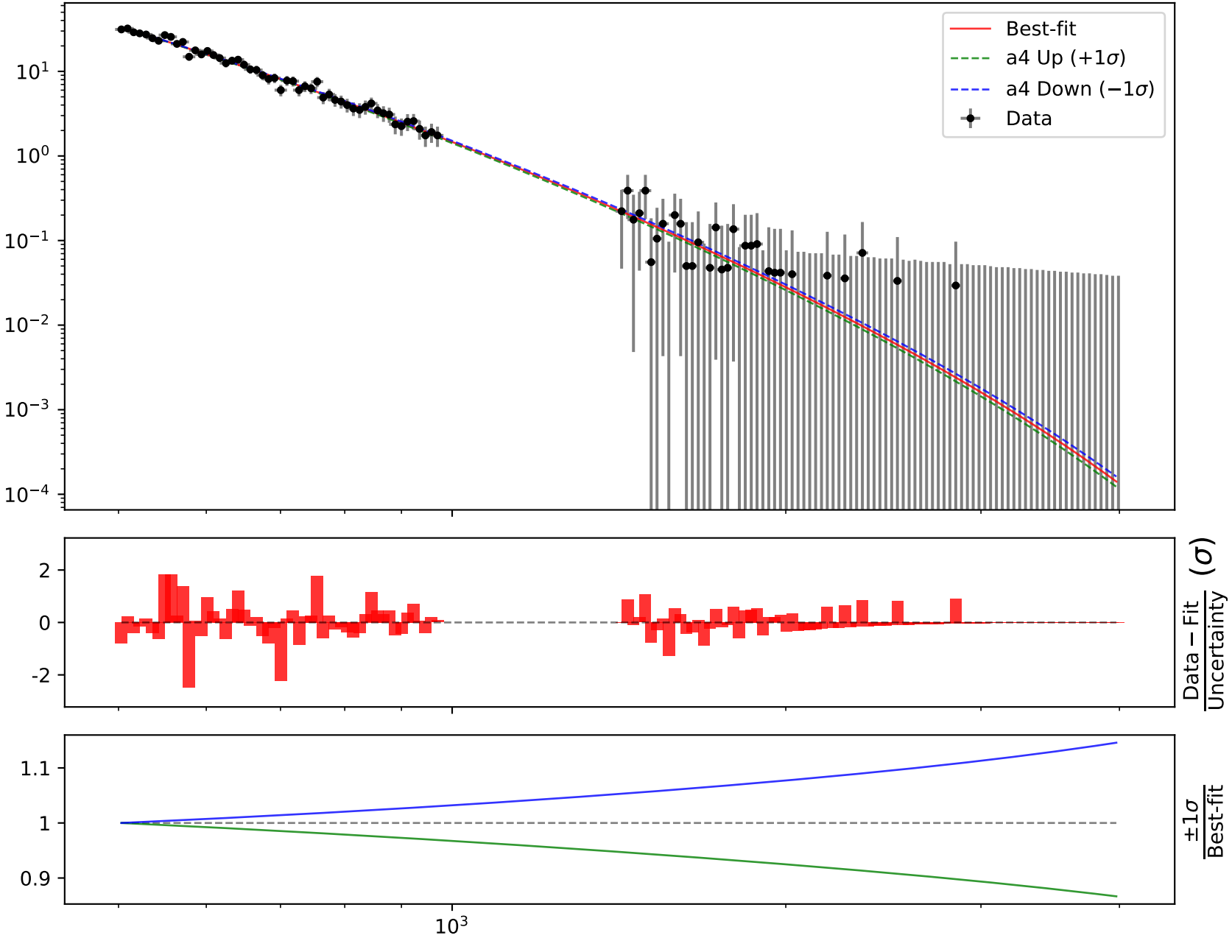


1.0*((a2 + a3*tanh(((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.928$, $a2 = 0.0228978^{+0.000439(1.92\%)}_{-0.0004282(1.87\%)}$,
$a3 = 0.167928^{+0.01793(10.7\%)}_{-0.01847(11.0\%)}$, $\mathbf{a4 = 5.63594^{+0.07588(1.35\%)}_{-0.07221(1.28\%)}}$

Candidate #8

χ^2/NDF = 46.87/136, RMSE = 0.7526, R2 = 0.9907



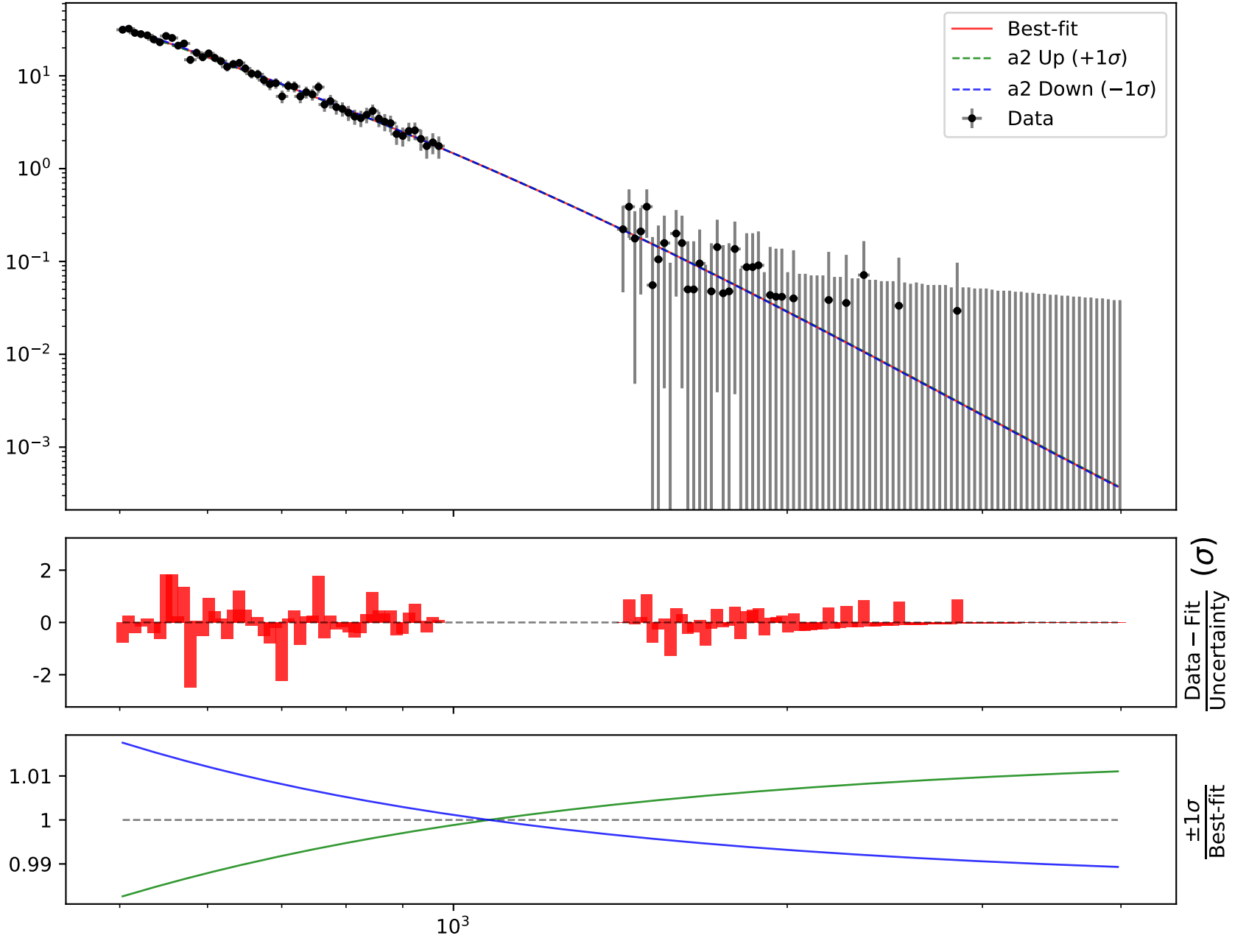
Candidate function #7

1.0*((a2 + a3*((x0 - 503.0) * 0.000286615))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.928$, $\mathbf{a2 = 0.0229248^{+0.0004369(1.91\%)}_{-0.000426(1.86\%)}}$,
$a3 = 0.164312^{+0.01728(10.5\%)}_{-0.01785(10.9\%)}$, $a4 = 5.64858^{+0.07456(1.32\%)}_{-0.07104(1.26\%)}$

Candidate #7

χ^2/NDF = 46.79/136, RMSE = 0.7515, R2 = 0.9907



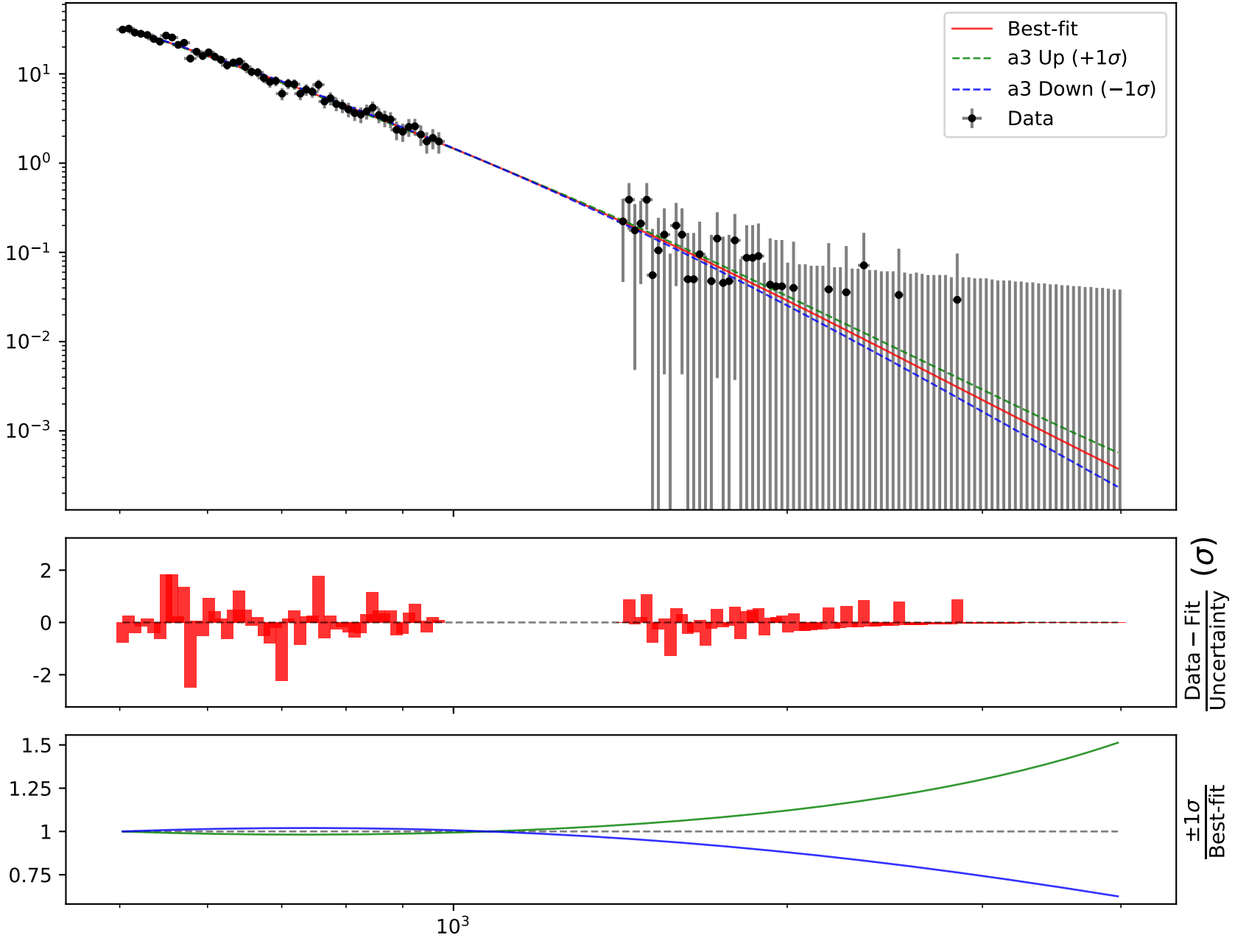
1.0*((a2 + a3*((x0 - 503.0) * 0.000286615))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.928$, $a2 = 0.0229248^{+0.0004369(1.91\%)}_{-0.000426(1.86\%)}$,

$a3 = 0.164312^{+0.01728(10.5\%)}_{-0.01785(10.9\%)}$, $a4 = 5.64858^{+0.07456(1.32\%)}_{-0.07104(1.26\%)}$

Candidate #7

χ^2/NDF = 46.79/136, RMSE = 0.7515, R2 = 0.9907



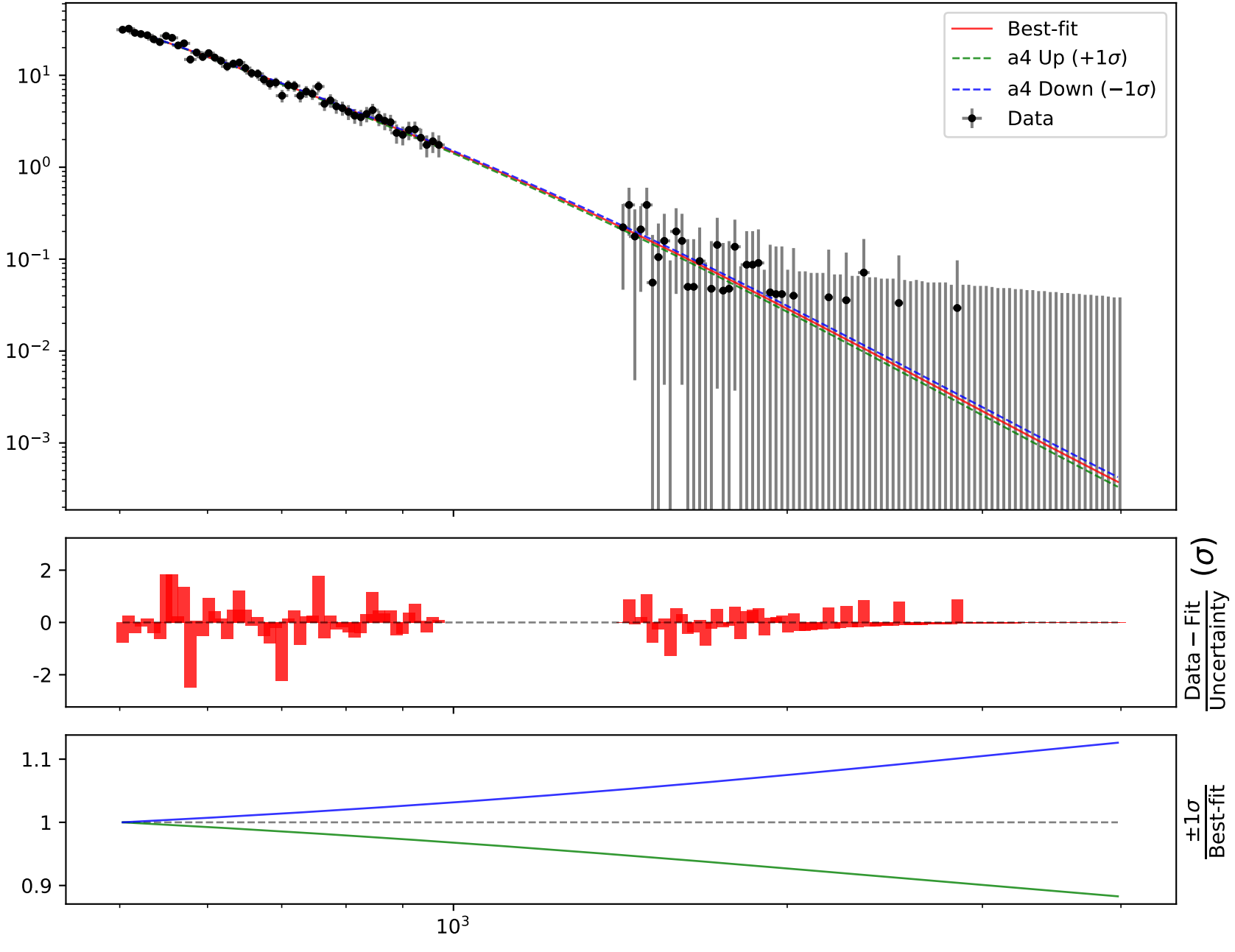
1.0*((a2 + a3*((x0 - 503.0) * 0.000286615))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.928$, $a2 = 0.0229248^{+0.0004369(1.91\%)}_{-0.000426(1.86\%)}$,

$a3 = 0.164312^{+0.01728(10.5\%)}_{-0.01785(10.9\%)}$, $\mathbf{a4 = 5.64858^{+0.07456(1.32\%)}_{-0.07104(1.26\%)}}$

Candidate #7

χ^2/NDF = 46.79/136, RMSE = 0.7515, R2 = 0.9907



Candidate function #6

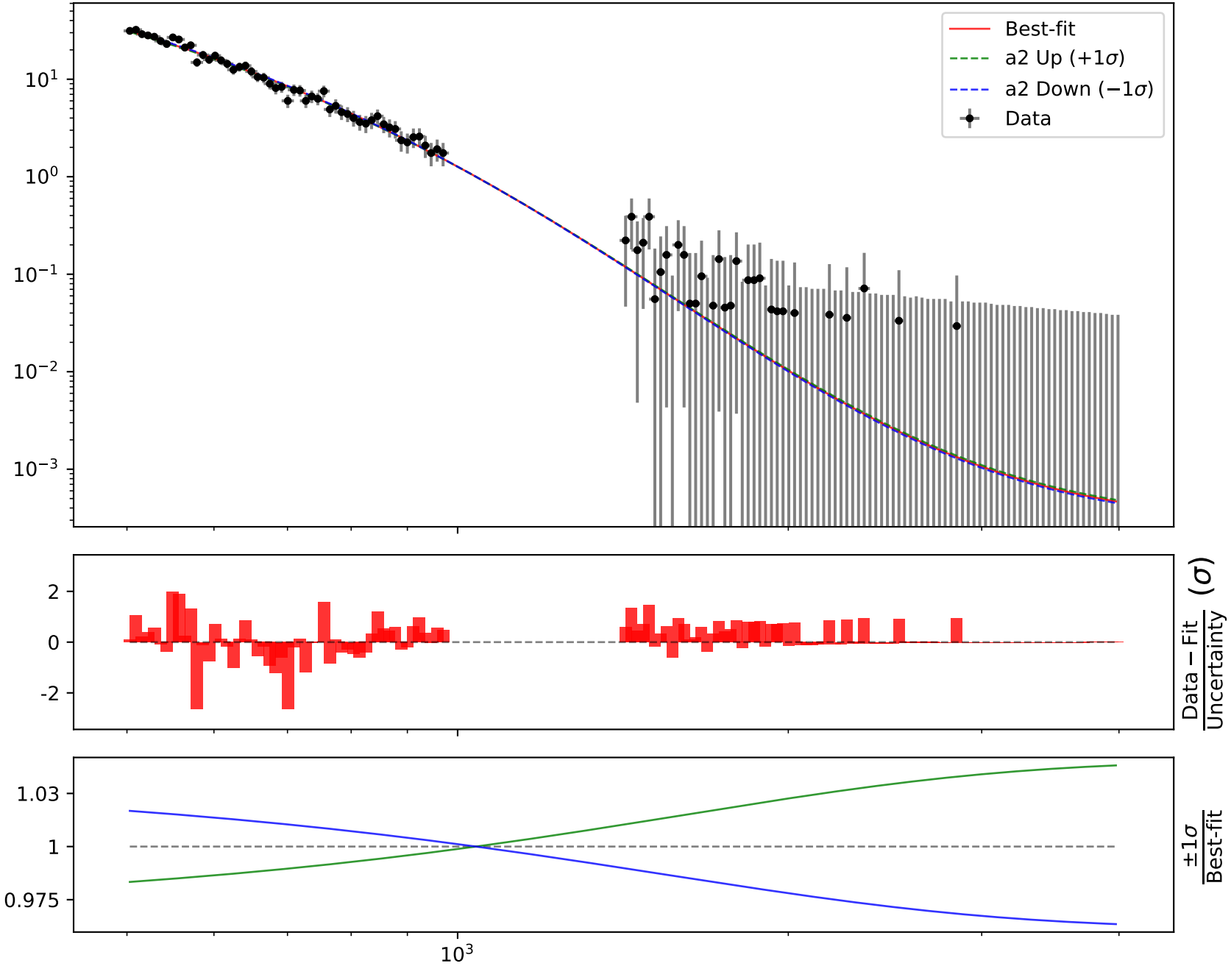
1.0*(a2**(a1 + a3*tanh(2*((x0 - 503.0) * 0.000286615))))

$a1 = -1.03$, $\mathbf{a2 = 0.0355928^{+0.000585(1.64\%)}_{-0.000571(1.6\%)}}$,

$a3 = 3.45568^{+0.0433(1.25\%)}_{-0.04247(1.23\%)}$

Candidate #6

χ^2/NDF = 59.37/137, RMSE = 0.7911, R2 = 0.9897



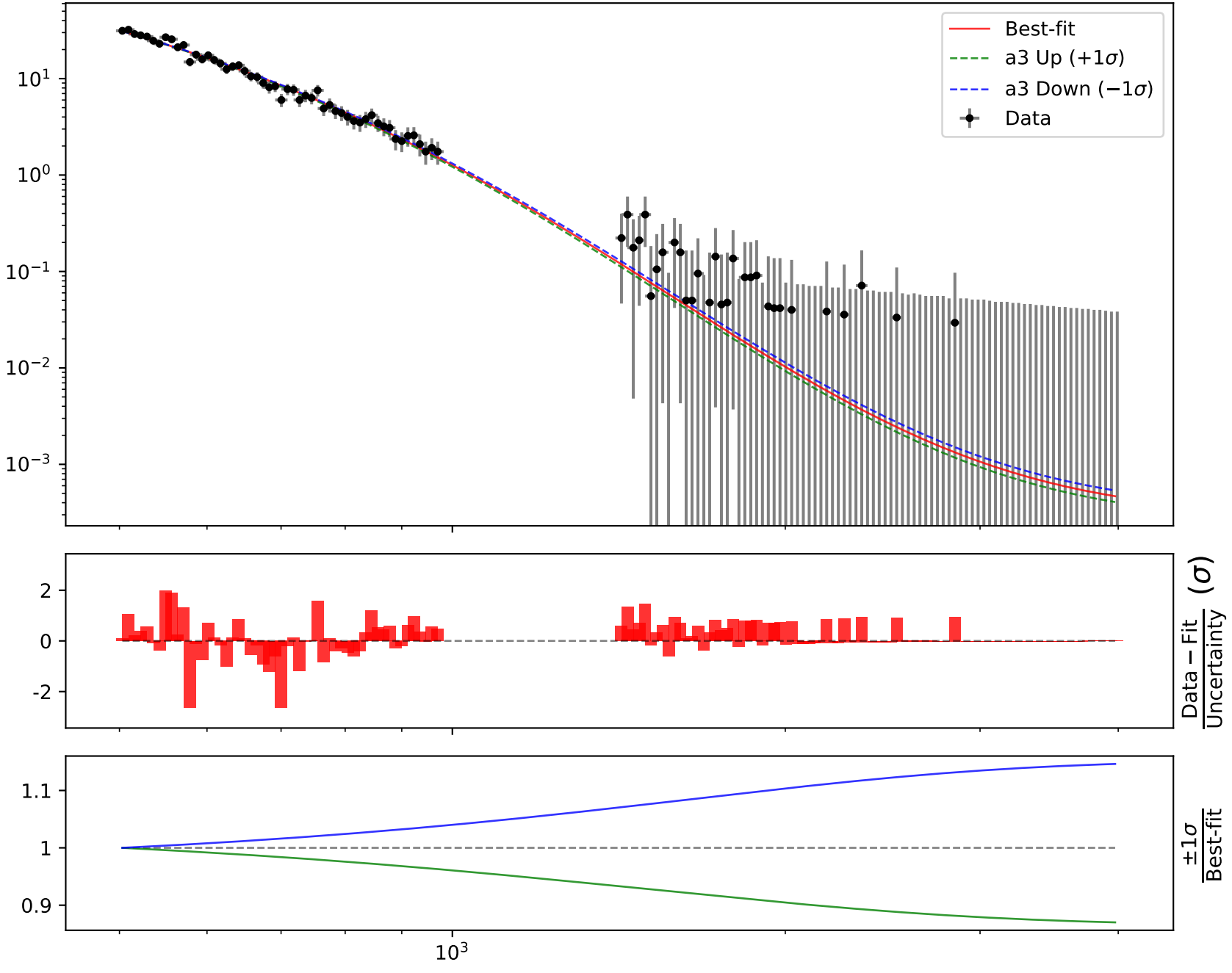
1.0*(a2**(a1 + a3*tanh(2*((x0 - 503.0) * 0.000286615))))

$a1 = -1.03,\ a2 = 0.0355928^{+0.000585(1.64\%)}_{-0.000571(1.6\%)},$

$a3 = 3.45568^{+0.0433(1.25\%)}_{-0.04247(1.23\%)}$

Candidate #6

χ^2/NDF = 59.37/137, RMSE = 0.7911, R2 = 0.9897



Candidate function #5

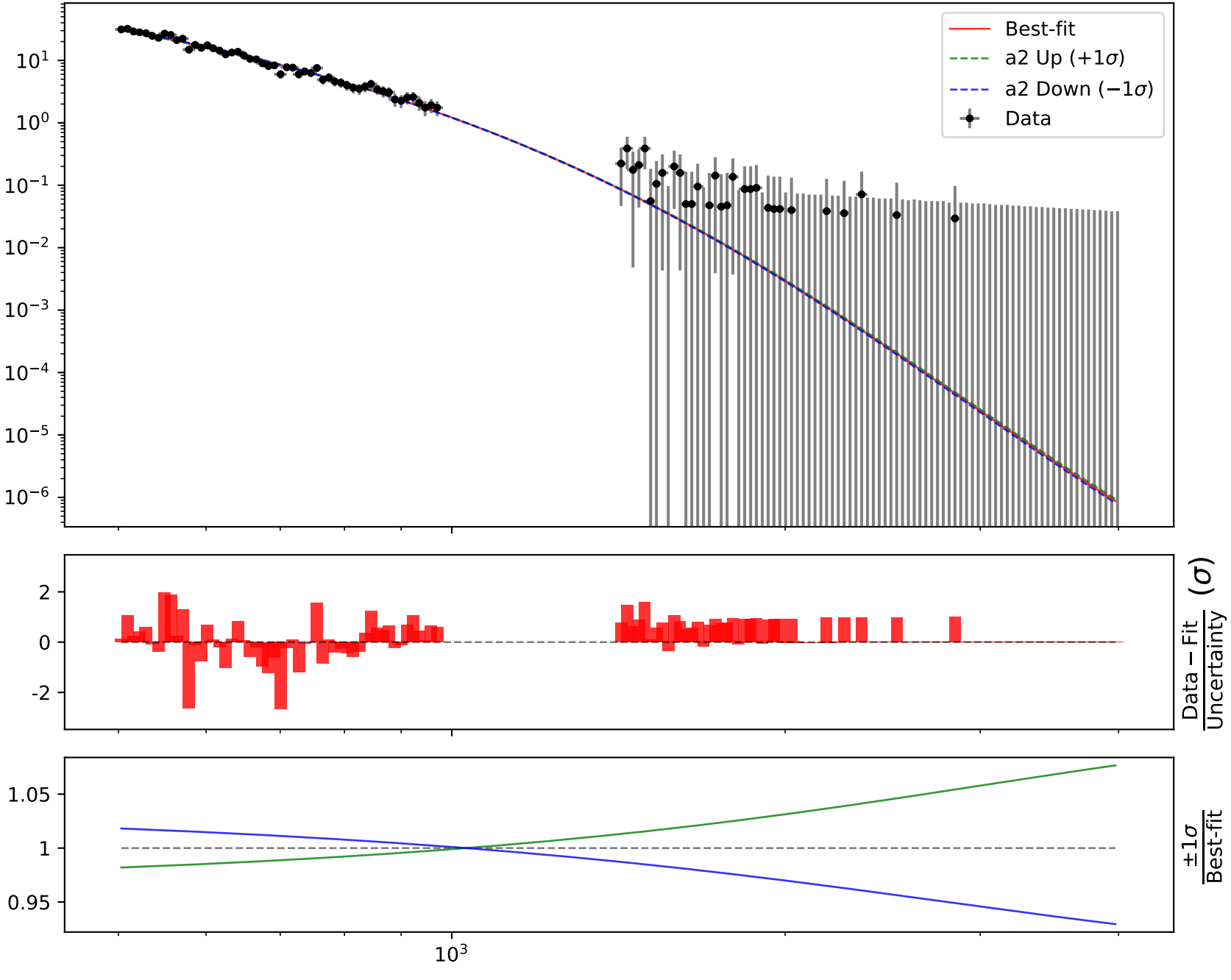
1.0*(a2**(a1 + a3*tanh(((x0 - 503.0) * 0.000286615))))

$a1 = -1.09$, $\mathbf{a2 = 0.0428641^{+0.0007208(1.68\%)}_{-0.0007016(1.64\%)}}$,

$a3 = 7.26619^{+0.1006(1.38\%)}_{-0.09902(1.36\%)}$

Candidate #5

χ^2/NDF = 67.33/137, RMSE = 0.7972, R2 = 0.9896



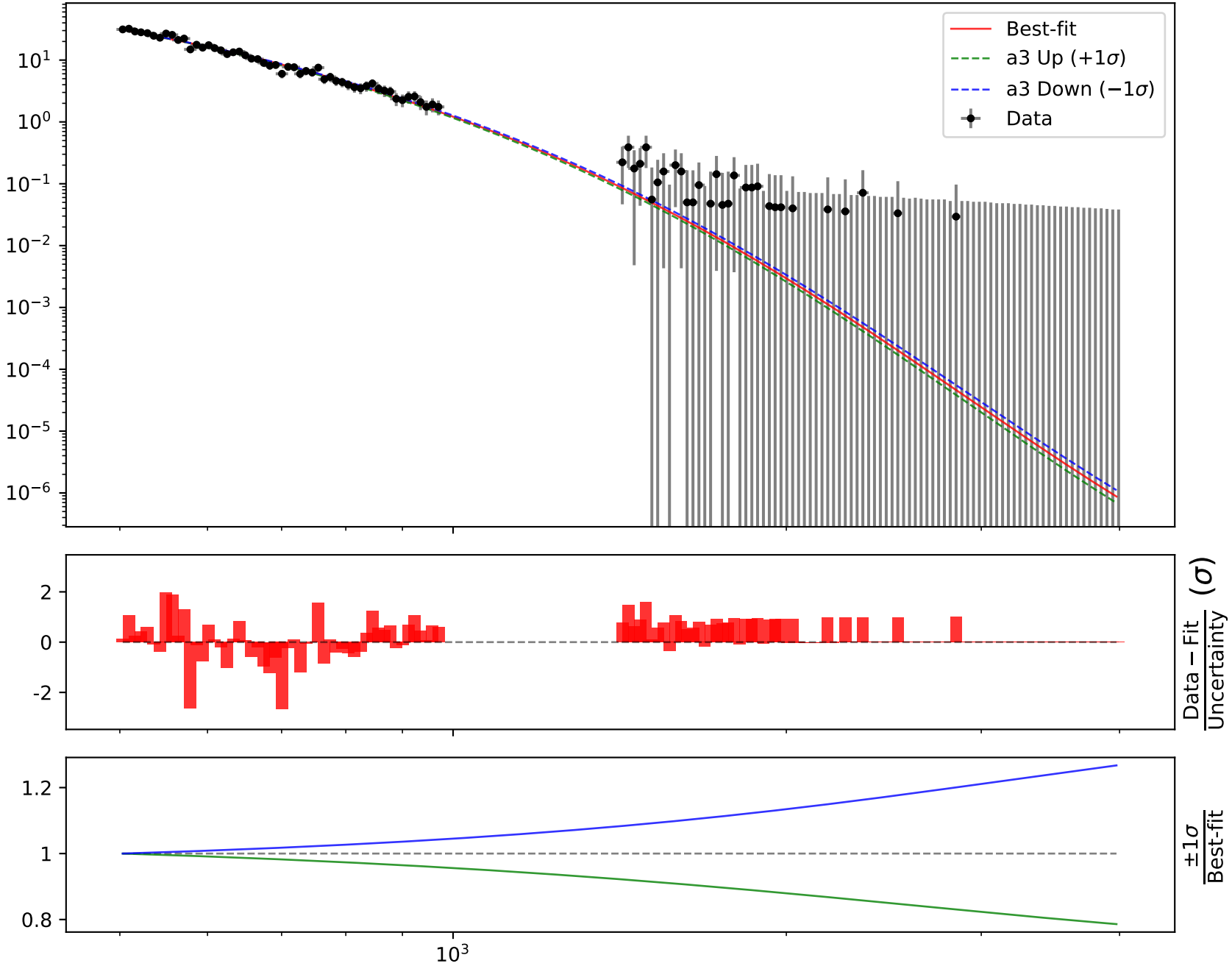
1.0*(a2**(a1 + a3*tanh(((x0 - 503.0) * 0.000286615))))

$a1 = -1.09,\ a2 = 0.0428641^{+0.0007208(1.68\%)}_{-0.0007016(1.64\%)},$

$a3 = 7.26619^{+0.1006(1.38\%)}_{-0.09902(1.36\%)}$

Candidate #5

χ^2/NDF = 67.33/137, RMSE = 0.7972, R2 = 0.9896



Candidate function #4

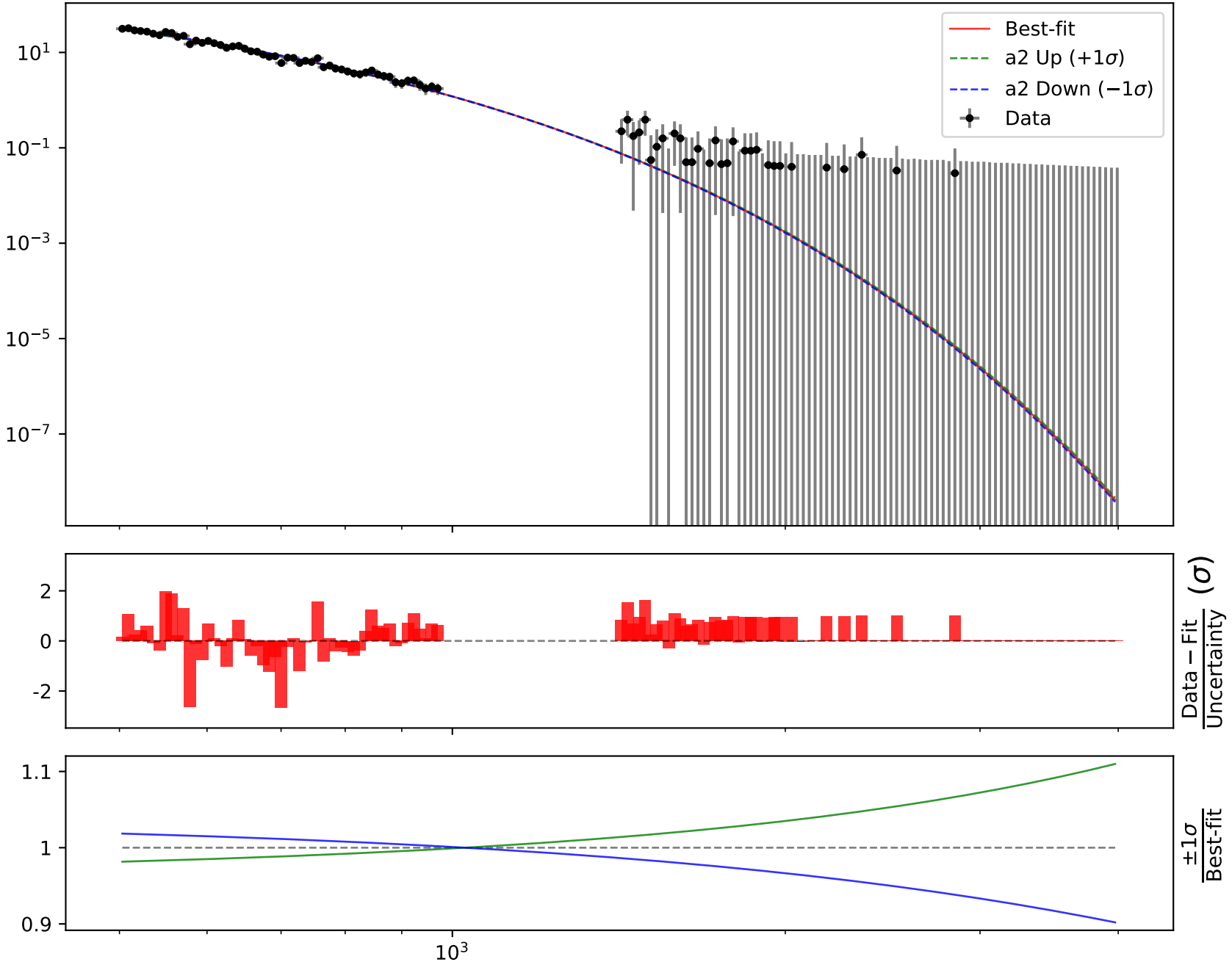
1.0*(a2**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -1.15$, $\mathbf{a2 = 0.050531^{+0.0008213(1.63\%)}_{-0.0007994(1.58\%)}}$,

$a3 = 7.65409^{+0.1087(1.42\%)}_{-0.107(1.4\%)}$

Candidate #4

χ^2/NDF = 69.71/137, RMSE = 0.7981, R2 = 0.9895



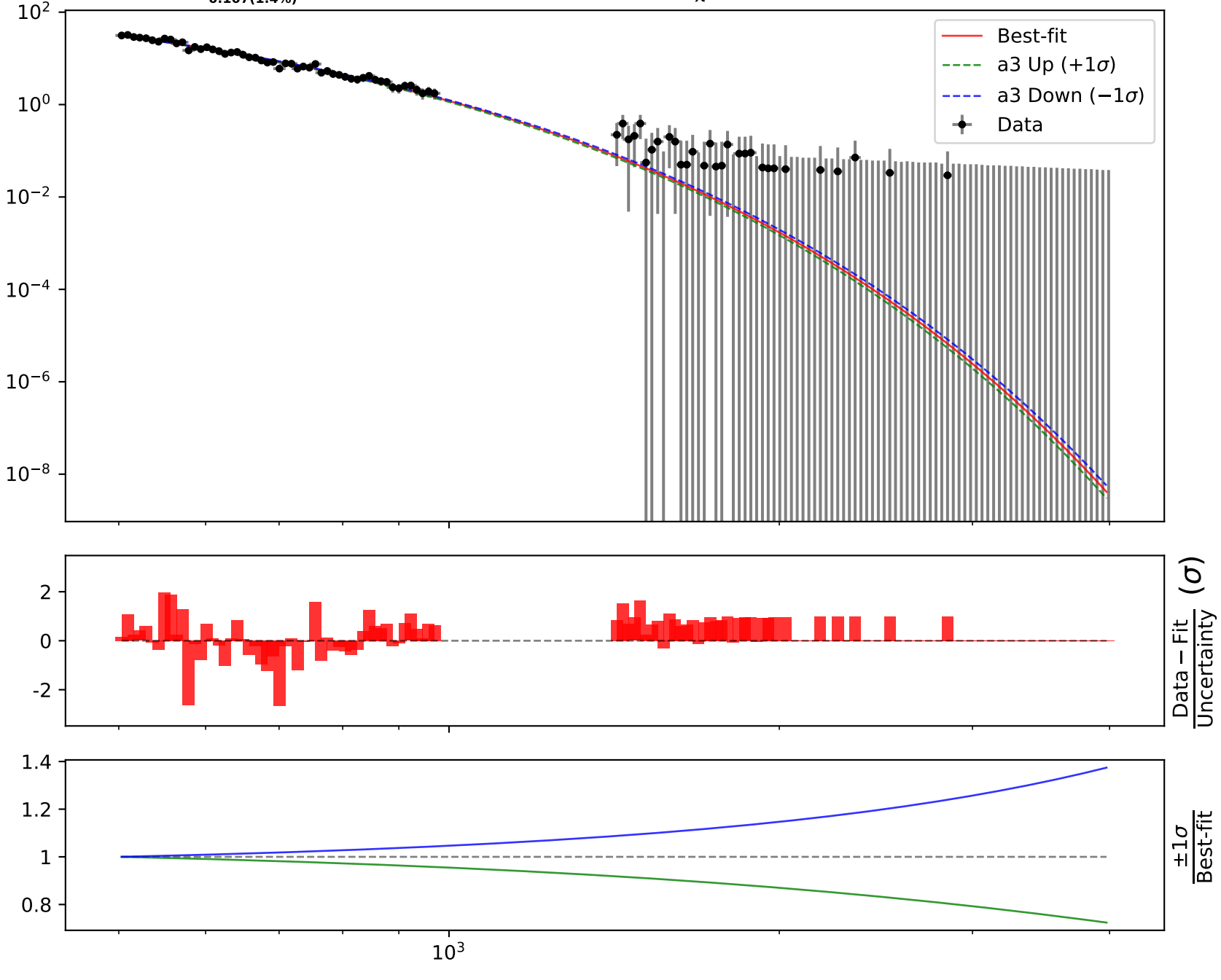
1.0*(a2**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -1.15,\ a2 = 0.050531^{+0.0008213(1.63\%)}_{-0.0007994(1.58\%)},$

$a3 = 7.65409^{+0.1087(1.42\%)}_{-0.107(1.4\%)}$

Candidate #4

χ^2/NDF = 69.71/137, RMSE = 0.7981, R2 = 0.9895



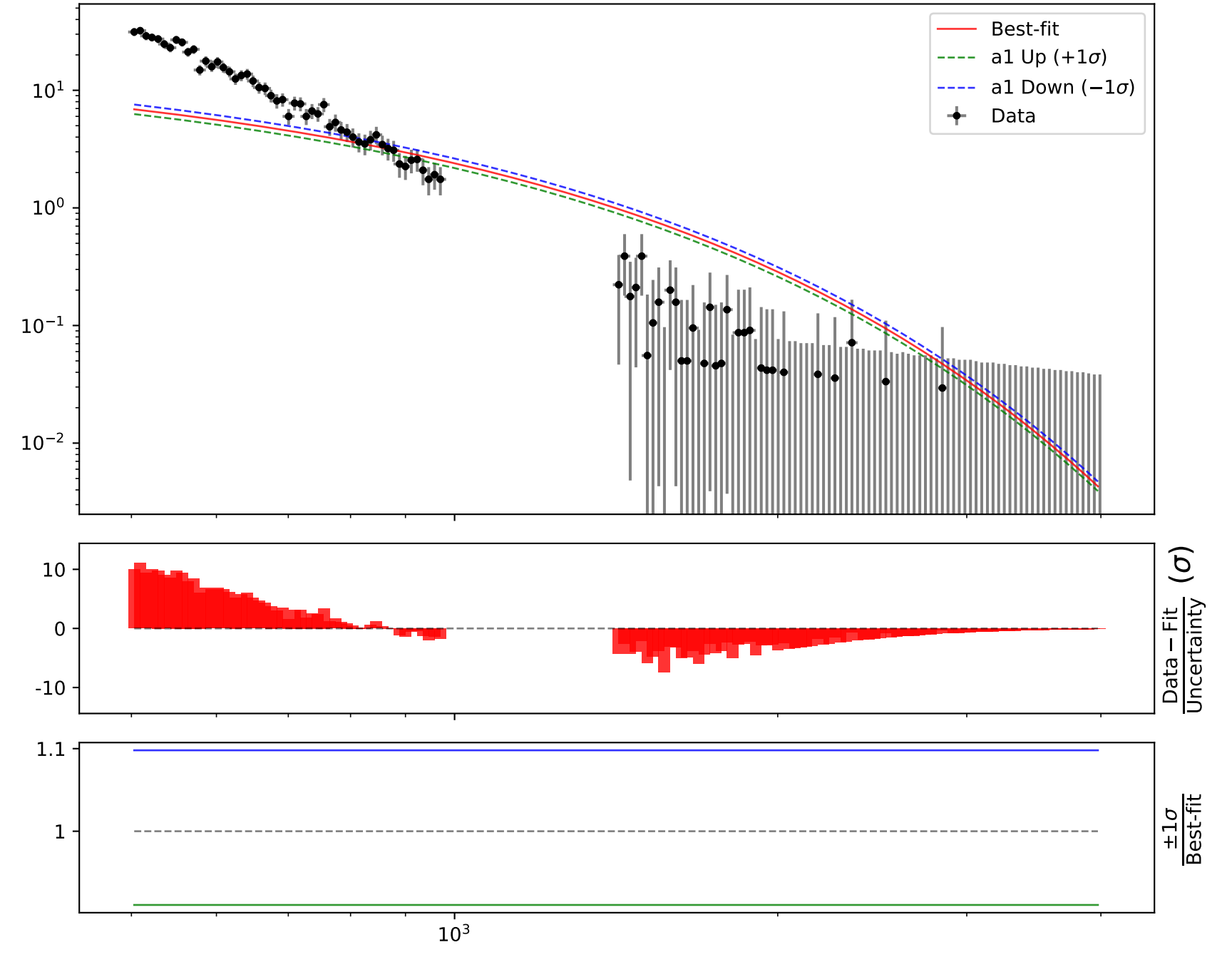
Candidate function #3

1.0*(a2**(a1 + ((x0 - 503.0) * 0.000286615)))

a1 = $-0.260206^{+0.0126(4.84\%)}_{-0.0126(4.84\%)}$, $a2 = 0.0006$

Candidate #3

χ^2/NDF = 2110.0/138, RMSE = 6.351, R2 = 0.3373



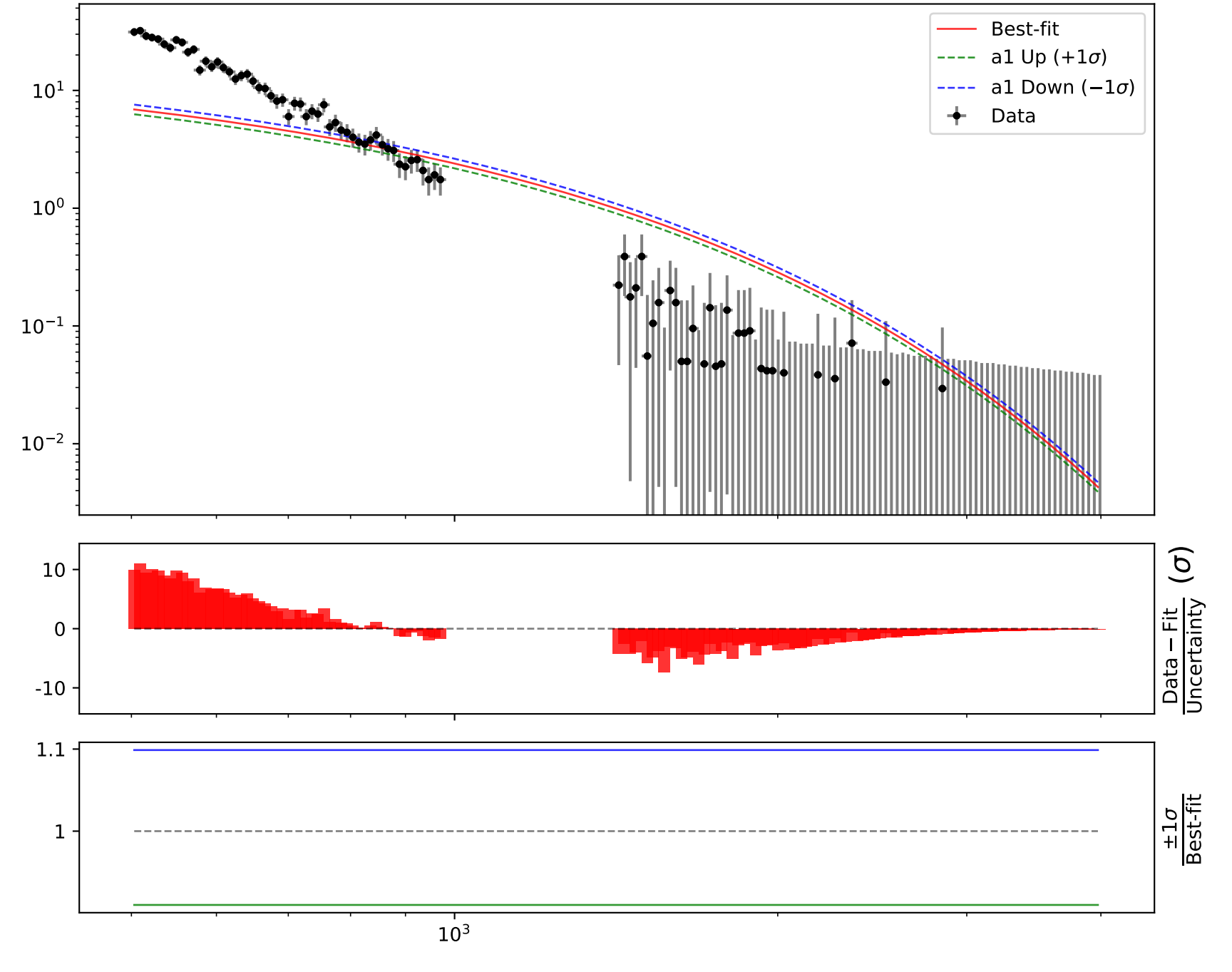
Candidate function #2

1.0*(a2**(a1 + ((x0 - 503.0) * 0.000286615)))

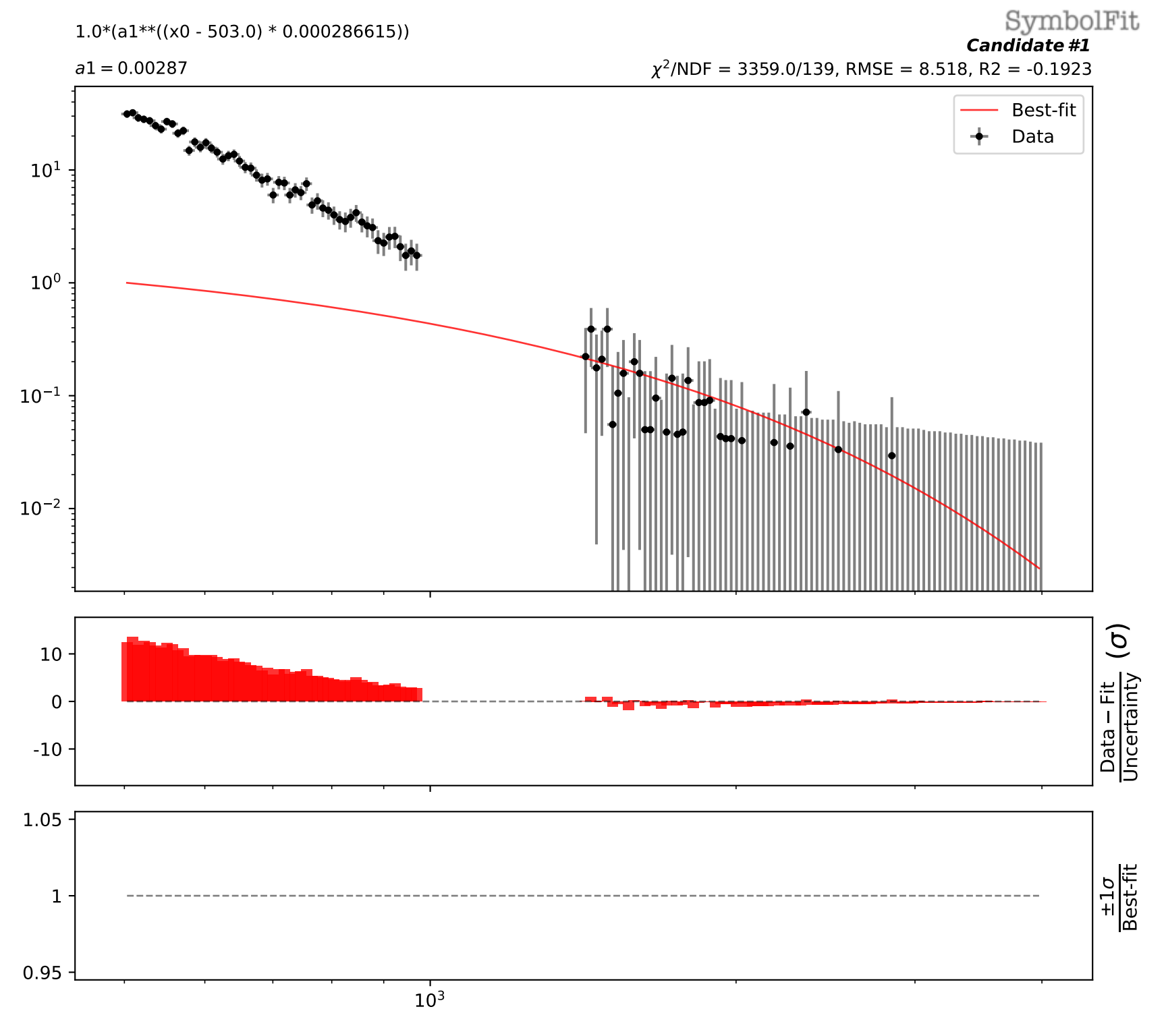
a1 = $-0.260206^{+0.0127(4.88\%)}_{-0.0127(4.88\%)}$, $a2 = 0.0006$

Candidate #2

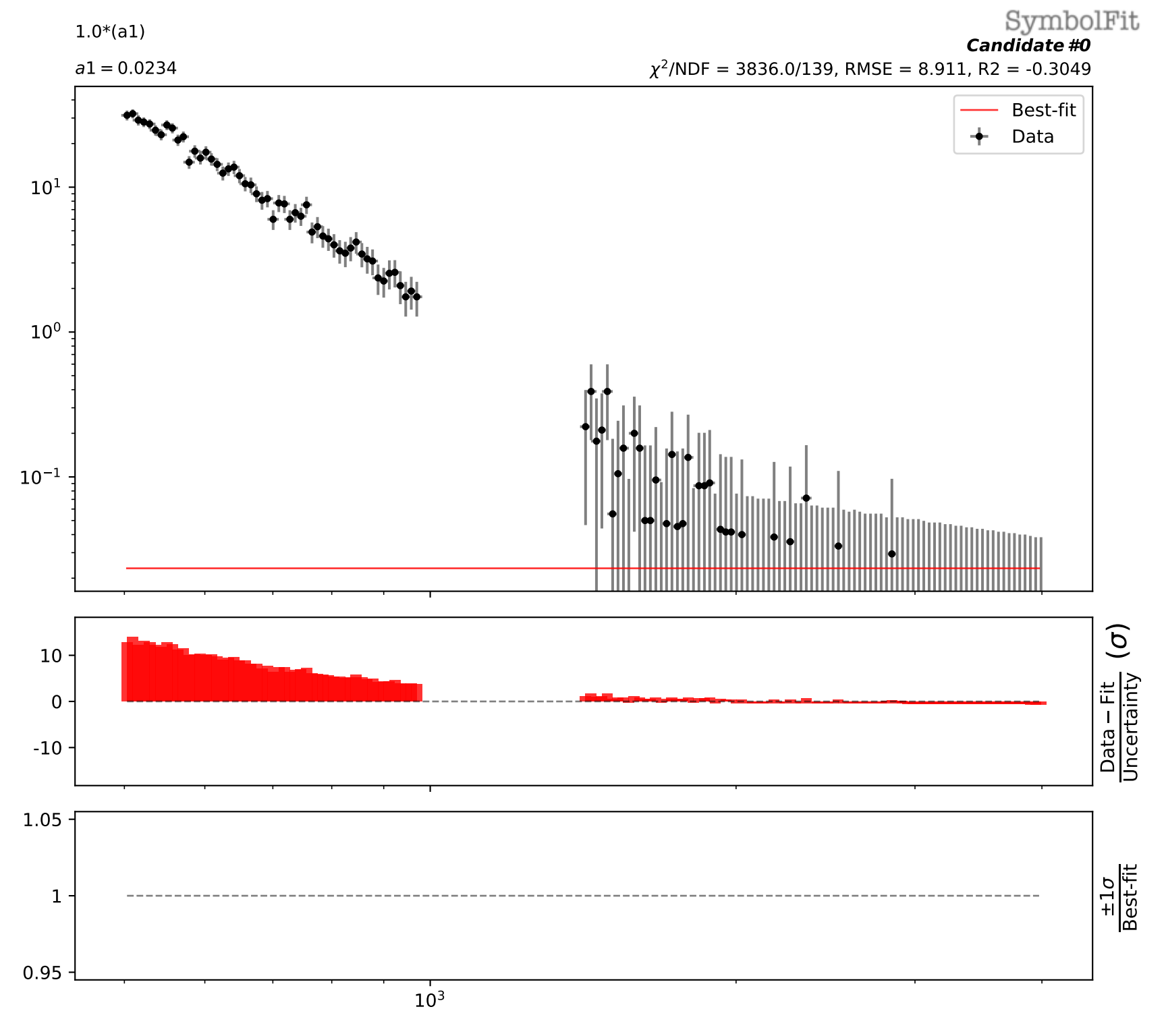
χ^2/NDF = 2110.0/138, RMSE = 6.351, R2 = 0.3373



Candidate function #1


1.0*(a1**((x0 - 503.0) * 0.000286615))
SymbolFit
Candidate #1
a1 = 0.00287
χ²/NDF = 3359.0/139, RMSE = 8.518, R2 = -0.1923
Best-fit
Data
10¹
10⁰
10⁻¹
10⁻²
10
0
-10
Data − Fit / Uncertainty (σ)
1.05
1
0.95
±1σ Best-fit
10³

Candidate function #0


1.0*(a1)
a1 = 0.0234
SymbolFit
Candidate #0
χ²/NDF = 3836.0/139, RMSE = 8.911, R2 = -0.3049
Best-fit
Data
10¹
10⁰
10⁻¹
10
0
-10
Data − Fit / Uncertainty (σ)
1.05
1
0.95
±1σ Best-fit
10³