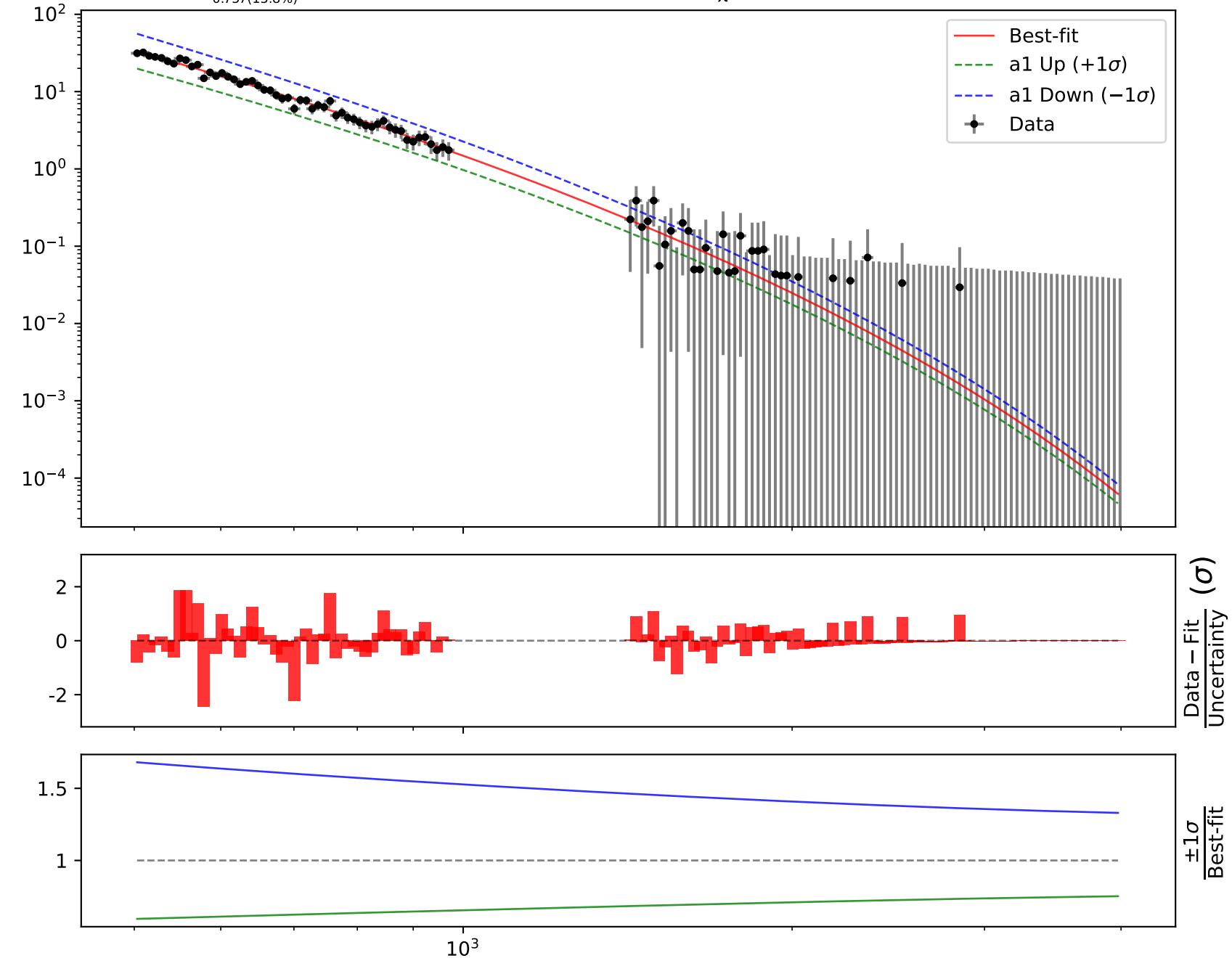
Candidate function #11

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

a1 = $-0.790327^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, a2 = $0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}$,
a3 = $4.78655^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #11

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

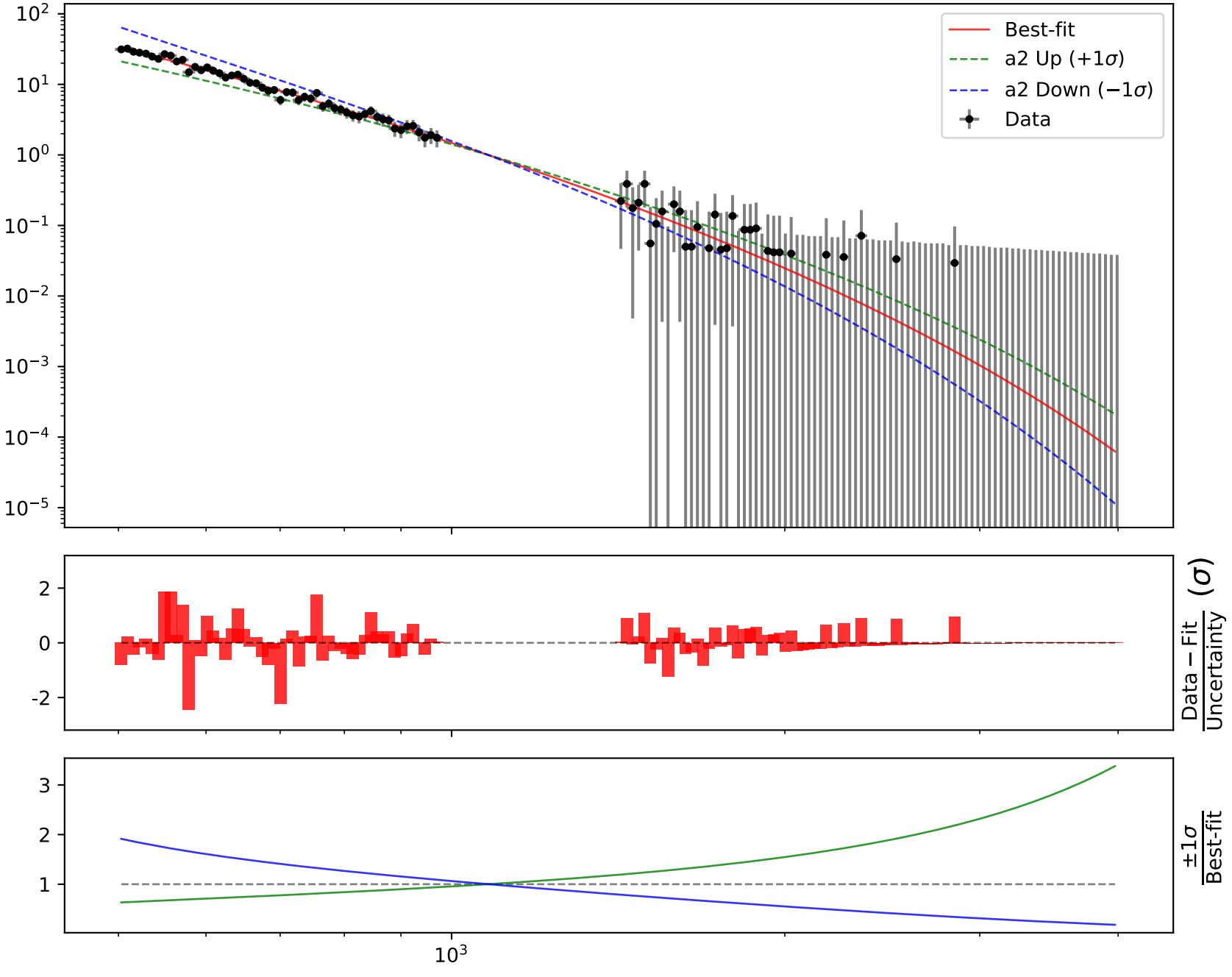


1.0*((a2*tanh(a2 + ((x0 - 503.0) * 0.000286615)))**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -0.790327^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, $\mathbf{a2 = 0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}}$,
$a3 = 4.78655^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #11

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



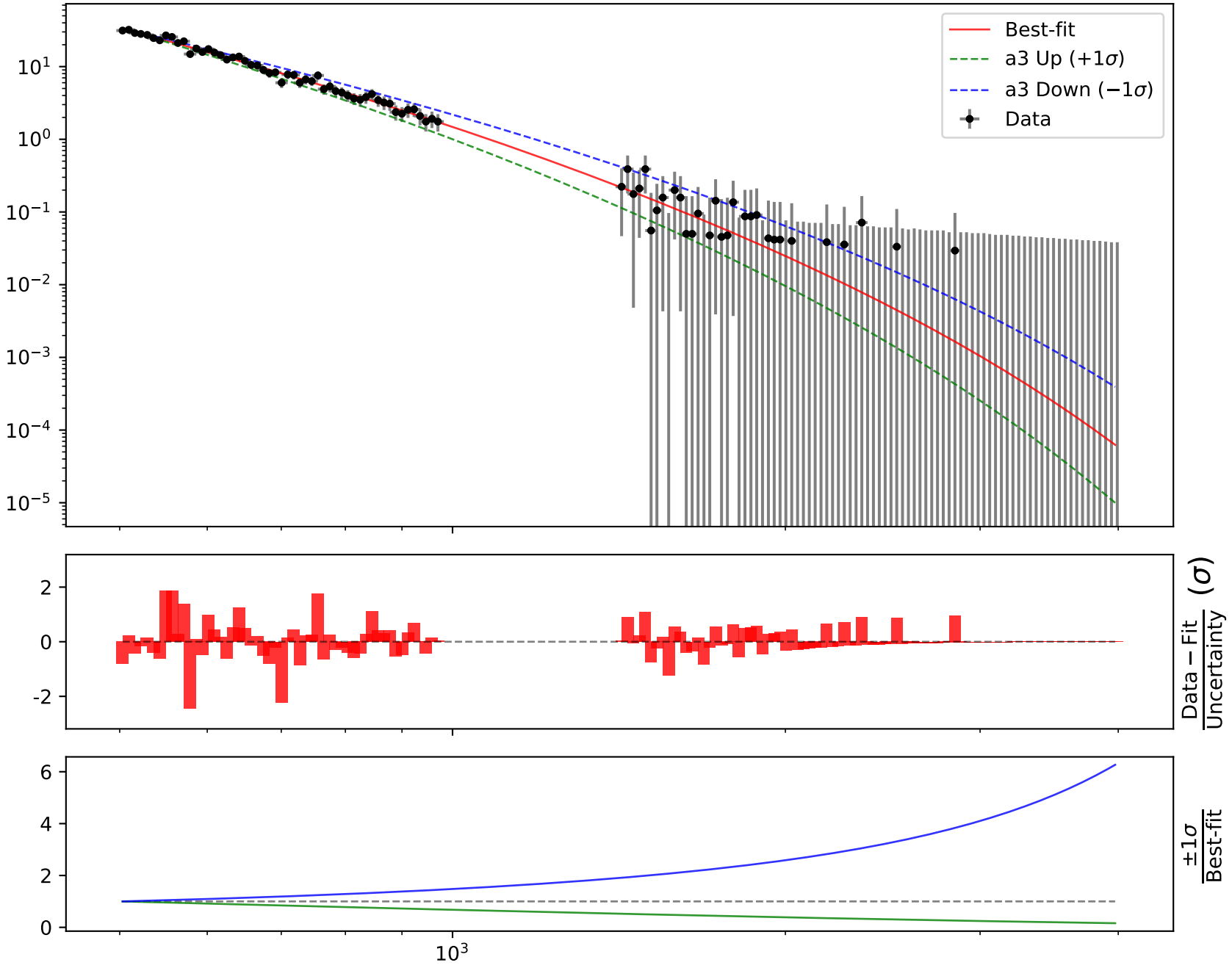
1.0*((a2*tanh(a2 + ((x0 - 503.0) * 0.000286615)))**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -0.790327^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, $a2 = 0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}$,

$a3 = 4.78655^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #11

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



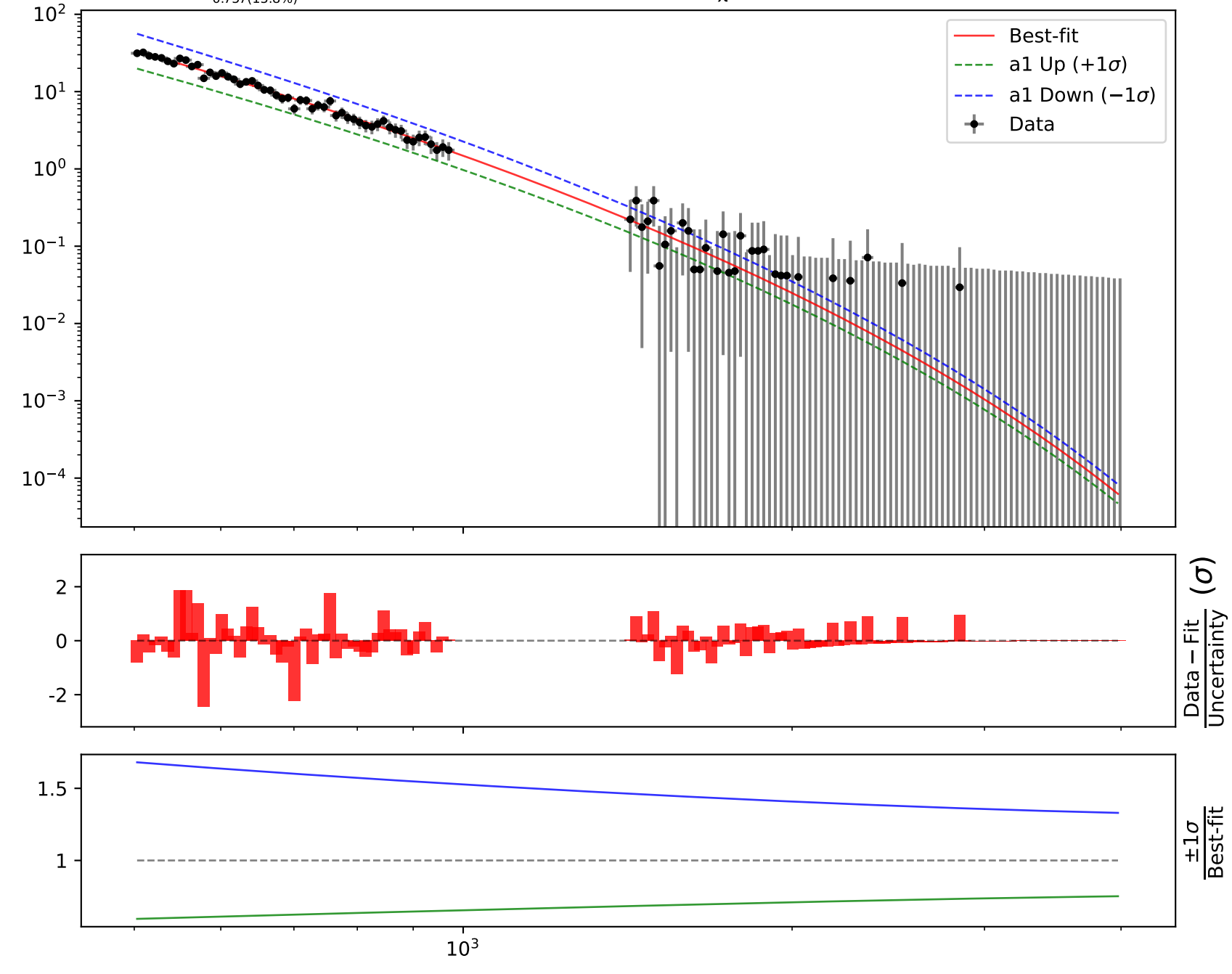
Candidate function #10

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

a1 = $-0.790327^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, a2 = $0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}$,
a3 = $4.78655^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #10

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

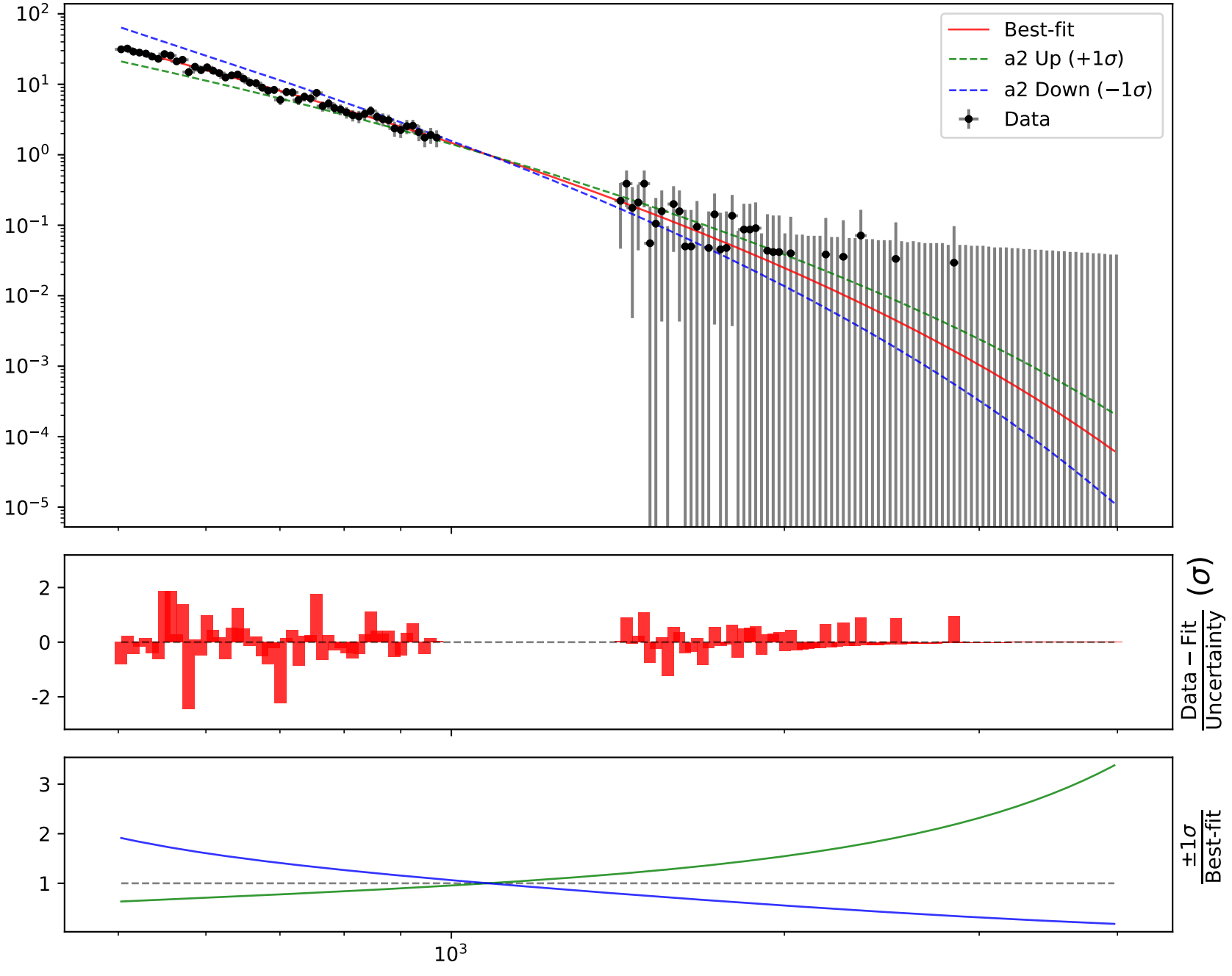


1.0*((a2*tanh(a2 + ((x0 - 503.0) * 0.000286615)))**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -0.790327^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, $\mathbf{a2 = 0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}}$,
$a3 = 4.78655^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #10

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



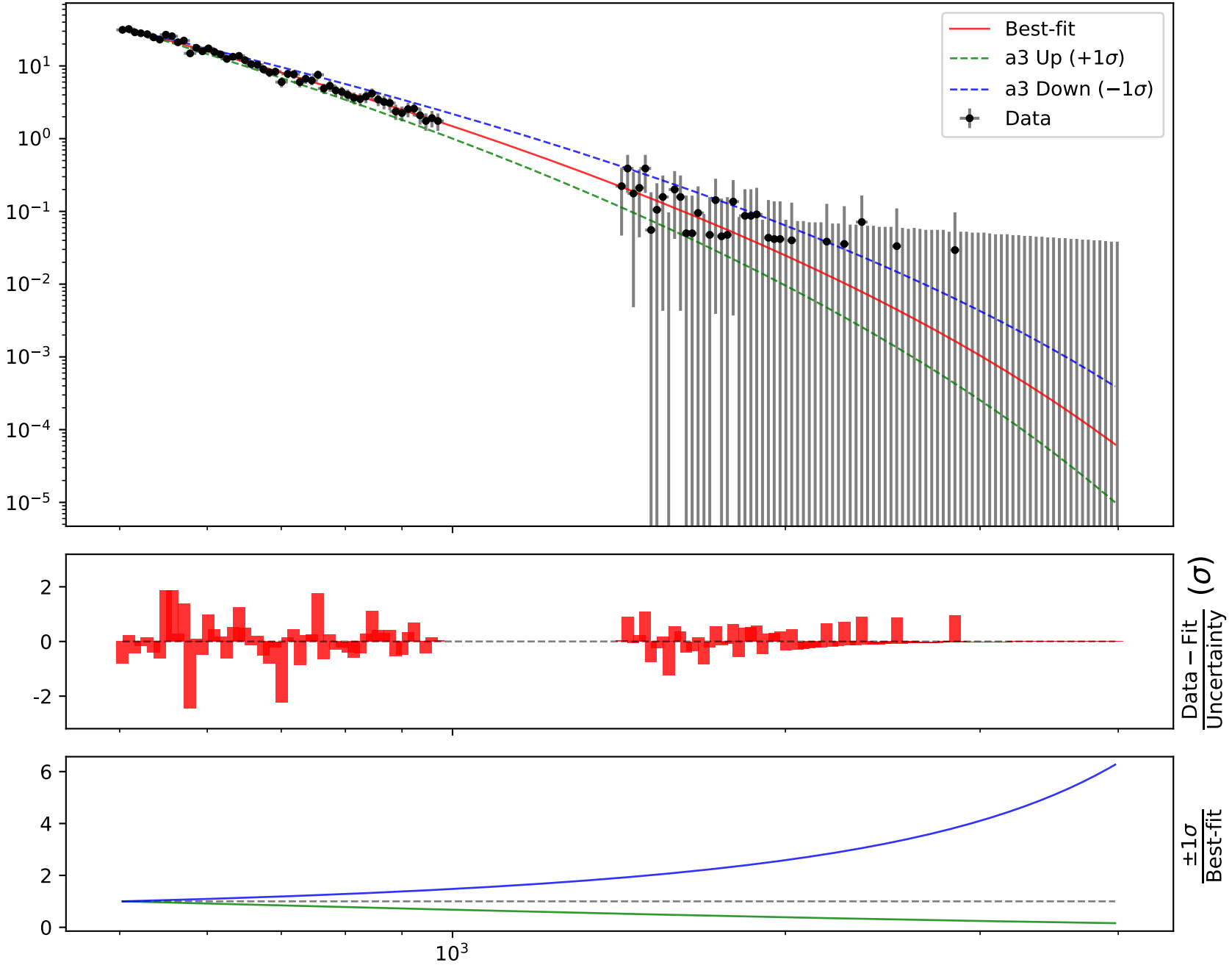
1.0*((a2*tanh(a2 + ((x0 - 503.0) * 0.000286615)))**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -0.790327^{+0.117(14.8\%)}_{-0.117(14.8\%)}$, $a2 = 0.109026^{+0.0368(33.8\%)}_{-0.0368(33.8\%)}$,

$a3 = 4.78655^{+0.757(15.8\%)}_{-0.757(15.8\%)}$

Candidate #10

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



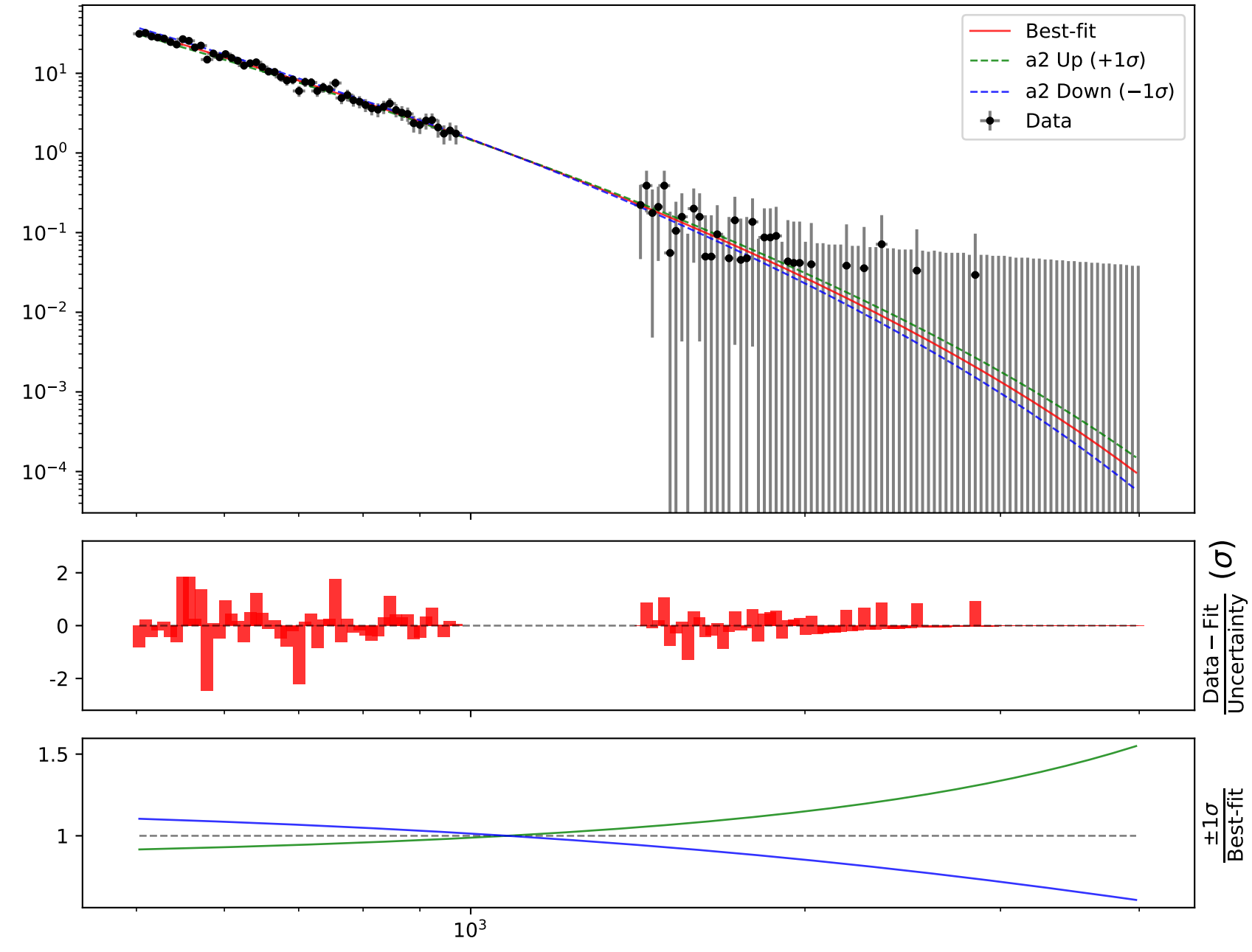
Candidate function #9

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

$a1 = -0.885$, $\mathbf{a2 = 0.155304^{+0.01606(10.3\%)}_{-0.01646(10.6\%)}}$,
$a3 = 0.123028^{+0.01637(13.3\%)}_{-0.01295(10.5\%)}$, $a4 = 5.36031^{+0.07349(1.37\%)}_{-0.06985(1.3\%)}$

Candidate #9

χ^2/NDF = 46.98/136, RMSE = 0.7553, R2 = 0.9906



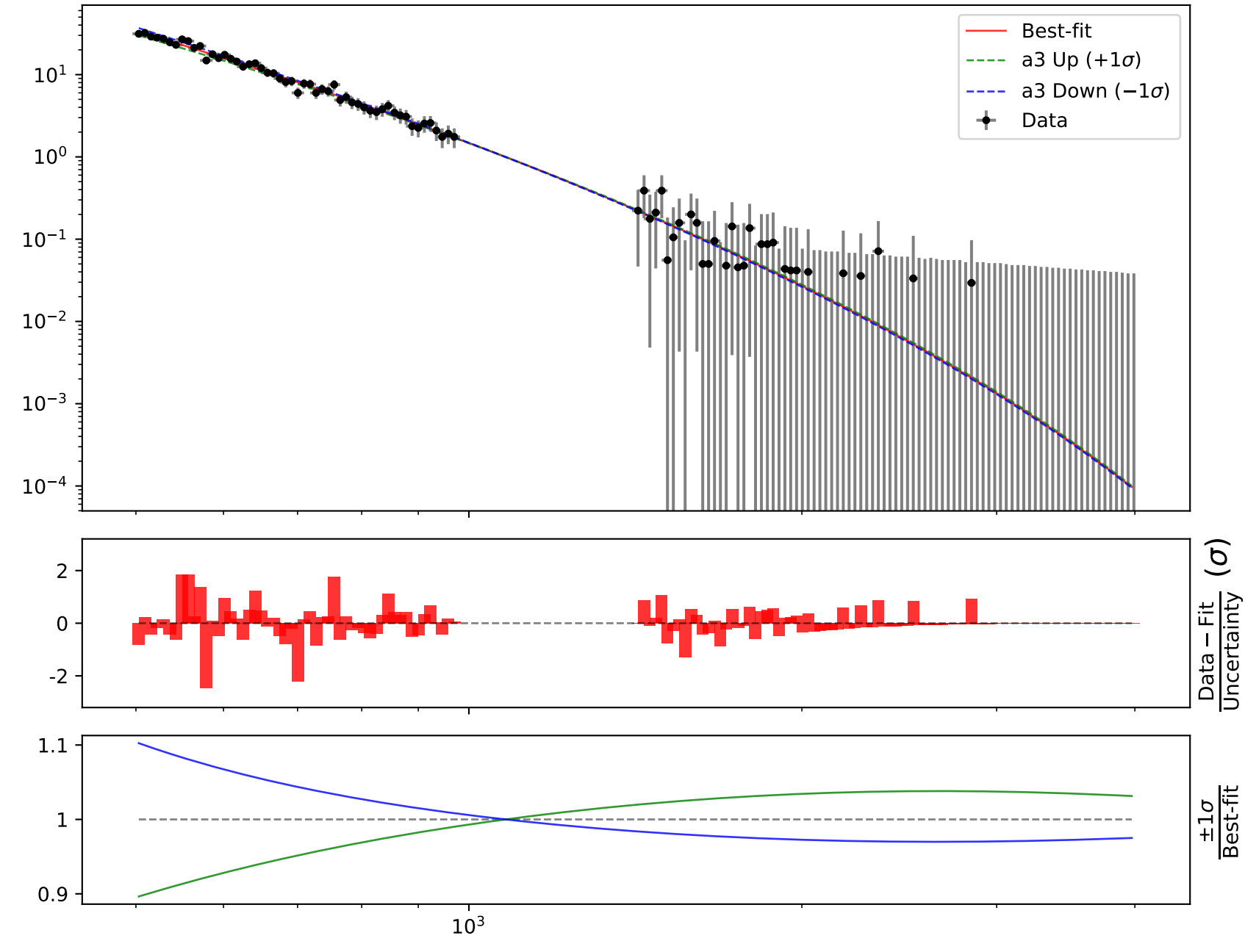
1.0*((a2*tanh(a3 + ((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.885$, $a2 = 0.155304^{+0.01606(10.3\%)}_{-0.01646(10.6\%)}$,

$a3 = 0.123028^{+0.01637(13.3\%)}_{-0.01295(10.5\%)}$, $a4 = 5.36031^{+0.07349(1.37\%)}_{-0.06985(1.3\%)}$

Candidate #9

χ^2/NDF = 46.98/136, RMSE = 0.7553, R2 = 0.9906

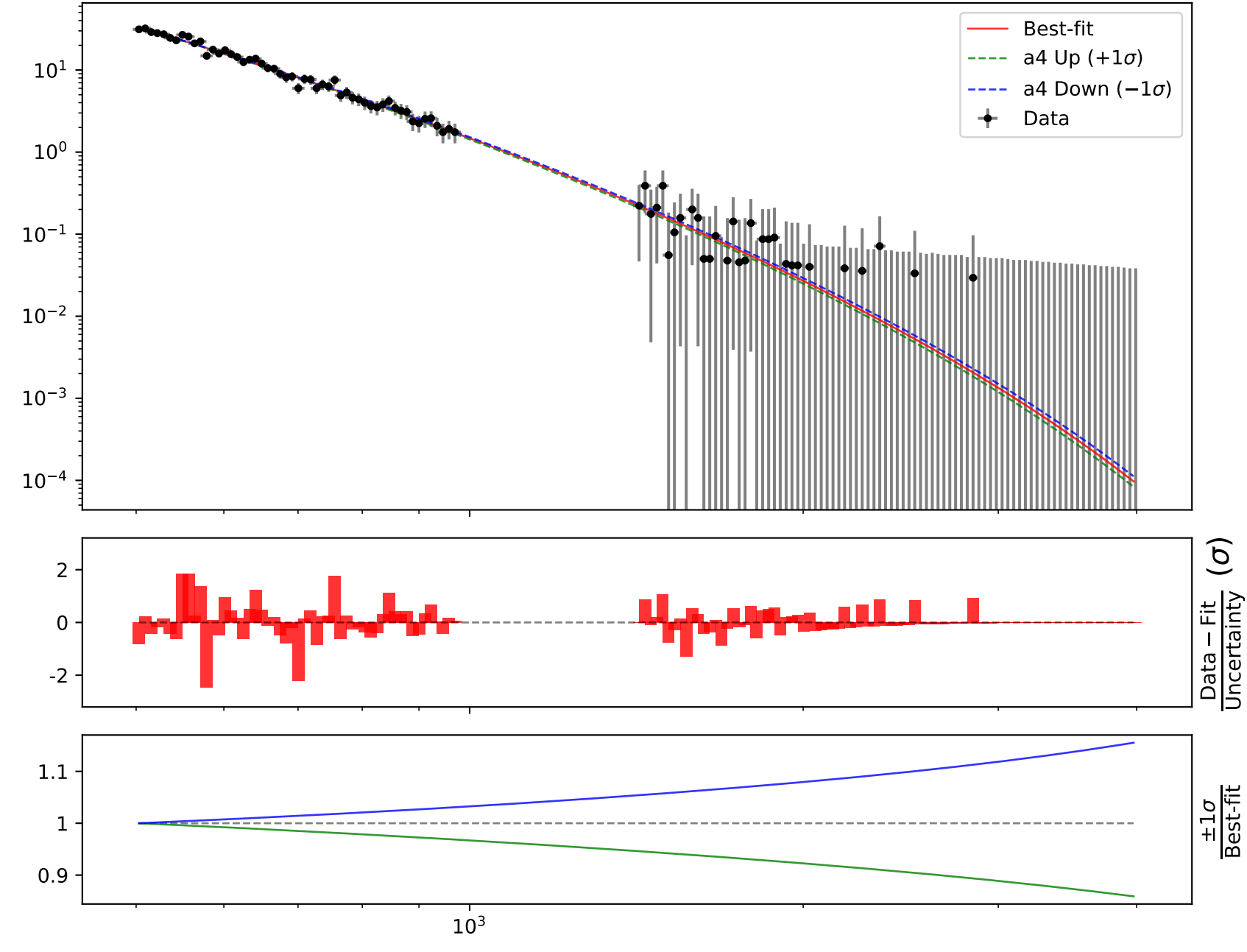


1.0*((a2*tanh(a3 + ((x0 - 503.0) * 0.000286615)))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.885$, $a2 = 0.155304^{+0.01606(10.3\%)}_{-0.01646(10.6\%)}$,
$a3 = 0.123028^{+0.01637(13.3\%)}_{-0.01295(10.5\%)}$, $\mathbf{a4 = 5.36031^{+0.07349(1.37\%)}_{-0.06985(1.3\%)}}$

Candidate #9

χ^2/NDF = 46.98/136, RMSE = 0.7553, R2 = 0.9906



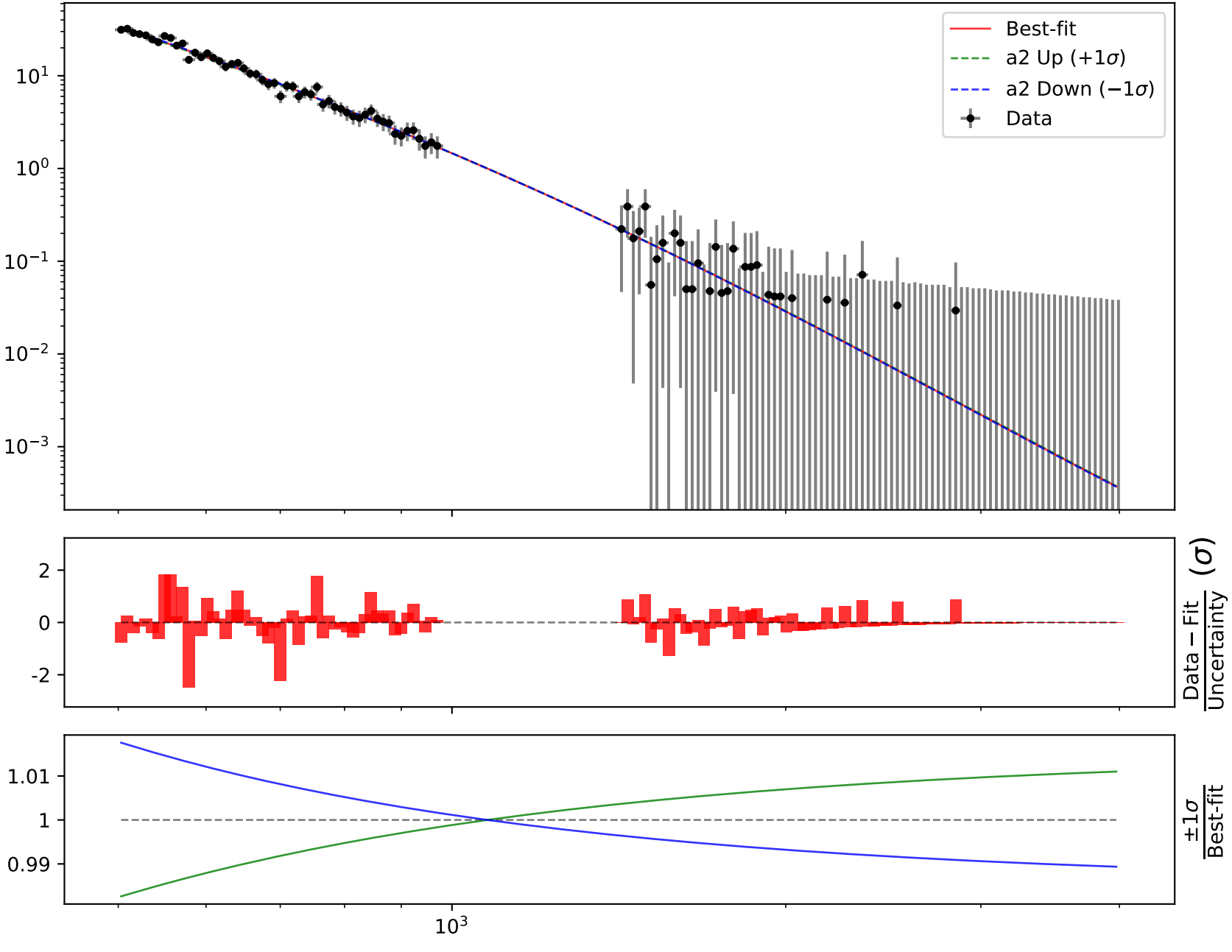
Candidate function #8

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

$a1 = -0.925$, $\mathbf{a2 = 0.022644^{+0.0004332(1.91\%)}_{-0.0004224(1.87\%)}}$,
$a3 = 0.163081^{+0.01717(10.5\%)}_{-0.01773(10.9\%)}$, $a4 = 5.62983^{+0.07438(1.32\%)}_{-0.07086(1.26\%)}$

Candidate #8

χ^2/NDF = 46.79/136, RMSE = 0.7516, R2 = 0.9907



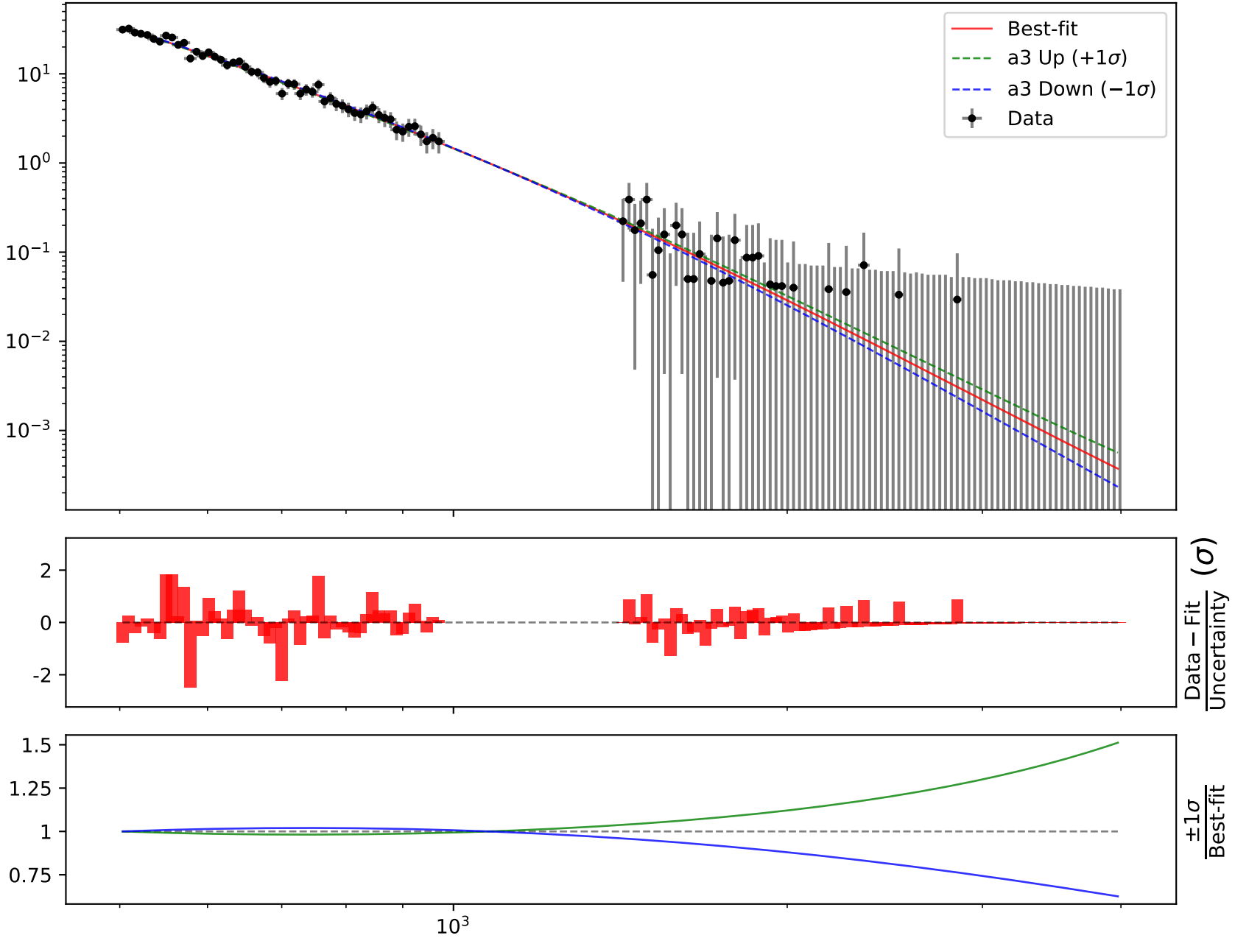
1.0*((a2 + a3*((x0 - 503.0) * 0.000286615))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.925$, $a2 = 0.022644^{+0.0004332(1.91\%)}_{-0.0004224(1.87\%)}$,

$a3 = 0.163081^{+0.01717(10.5\%)}_{-0.01773(10.9\%)}$, $a4 = 5.62983^{+0.07438(1.32\%)}_{-0.07086(1.26\%)}$

Candidate #8

χ^2/NDF = 46.79/136, RMSE = 0.7516, R2 = 0.9907

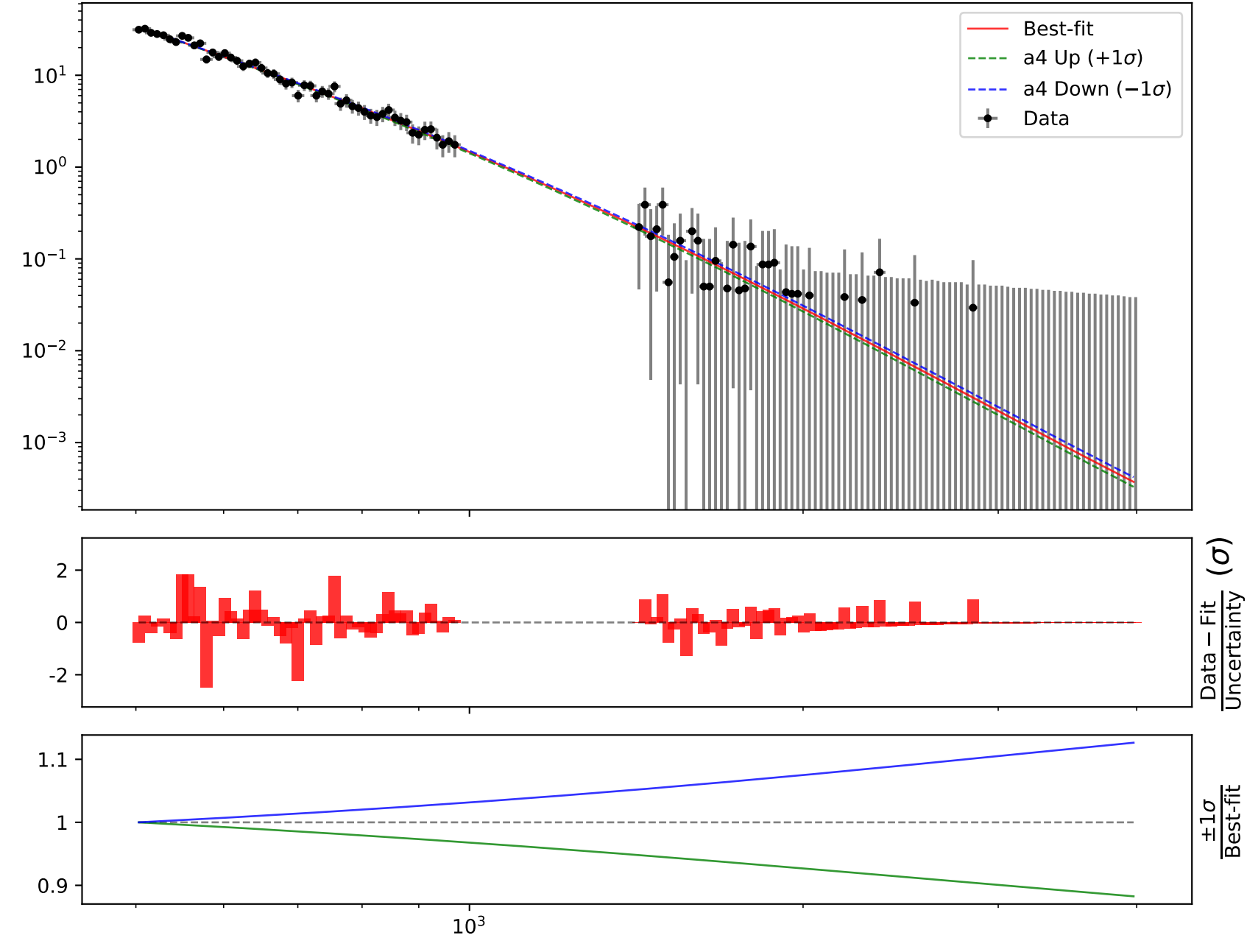


1.0*((a2 + a3*((x0 - 503.0) * 0.000286615))**(a1 + a4*((x0 - 503.0) * 0.000286615)))

$a1 = -0.925$, $a2 = 0.022644^{+0.0004332(1.91\%)}_{-0.0004224(1.87\%)}$,
$a3 = 0.163081^{+0.01717(10.5\%)}_{-0.01773(10.9\%)}$, **$a4 = 5.62983^{+0.07438(1.32\%)}_{-0.07086(1.26\%)}$**

Candidate #8

χ^2/NDF = 46.79/136, RMSE = 0.7516, R2 = 0.9907



Candidate function #7

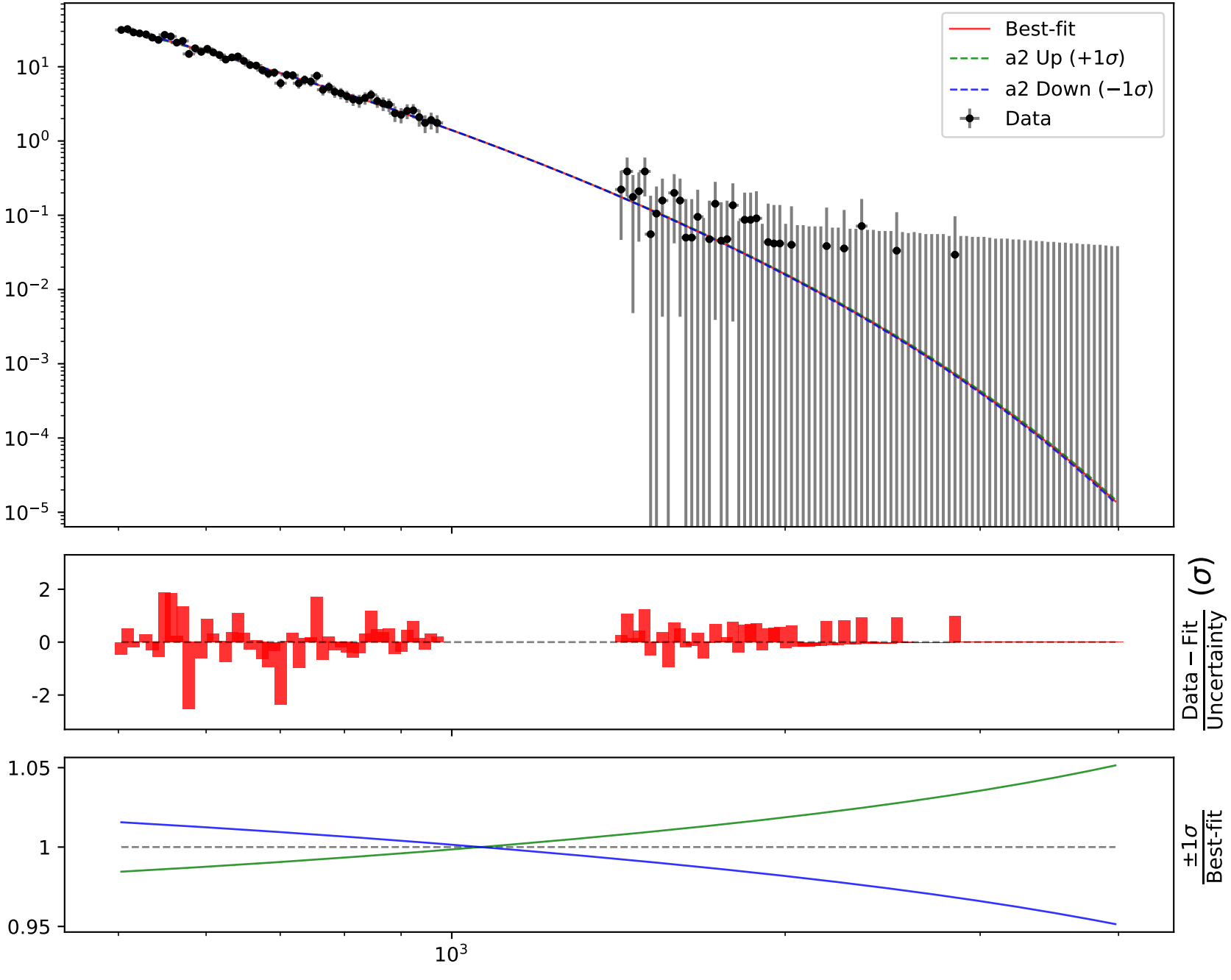
1.0*(a2**(a1 + ((x0 - 503.0) * 0.000286615)/tanh(a3 + ((x0 - 503.0) * 0.000286615))))

$a1 = -0.258$, $\mathbf{a2 = 1.38138e-06^{+8.622e-08(6.24\%)}_{-8.052e-08(5.83\%)}}$,

$a3 = 0.568455^{+0.009305(1.64\%)}_{-0.009107(1.6\%)}$

Candidate #7

χ^2/NDF = 49.44/137, RMSE = 0.7457, R2 = 0.9909



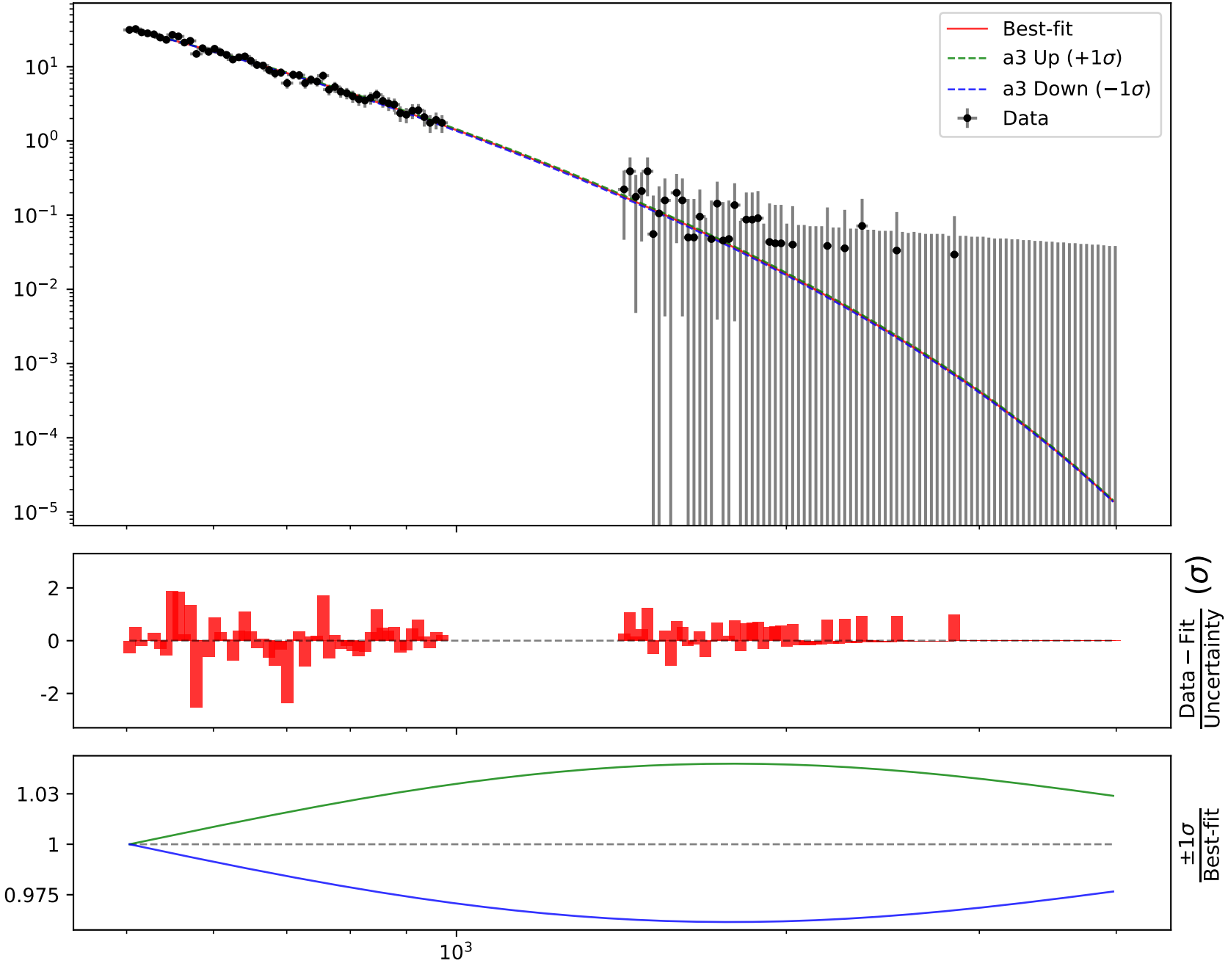
1.0*(a2**(a1 + ((x0 - 503.0) * 0.000286615)/tanh(a3 + ((x0 - 503.0) * 0.000286615))))

$a1 = -0.258$, $a2 = 1.38138e-06^{+8.622e-08(6.24\%)}_{-8.052e-08(5.83\%)}$,

$a3 = 0.568455^{+0.009305(1.64\%)}_{-0.009107(1.6\%)}$

Candidate #7

χ^2/NDF = 49.44/137, RMSE = 0.7457, R2 = 0.9909



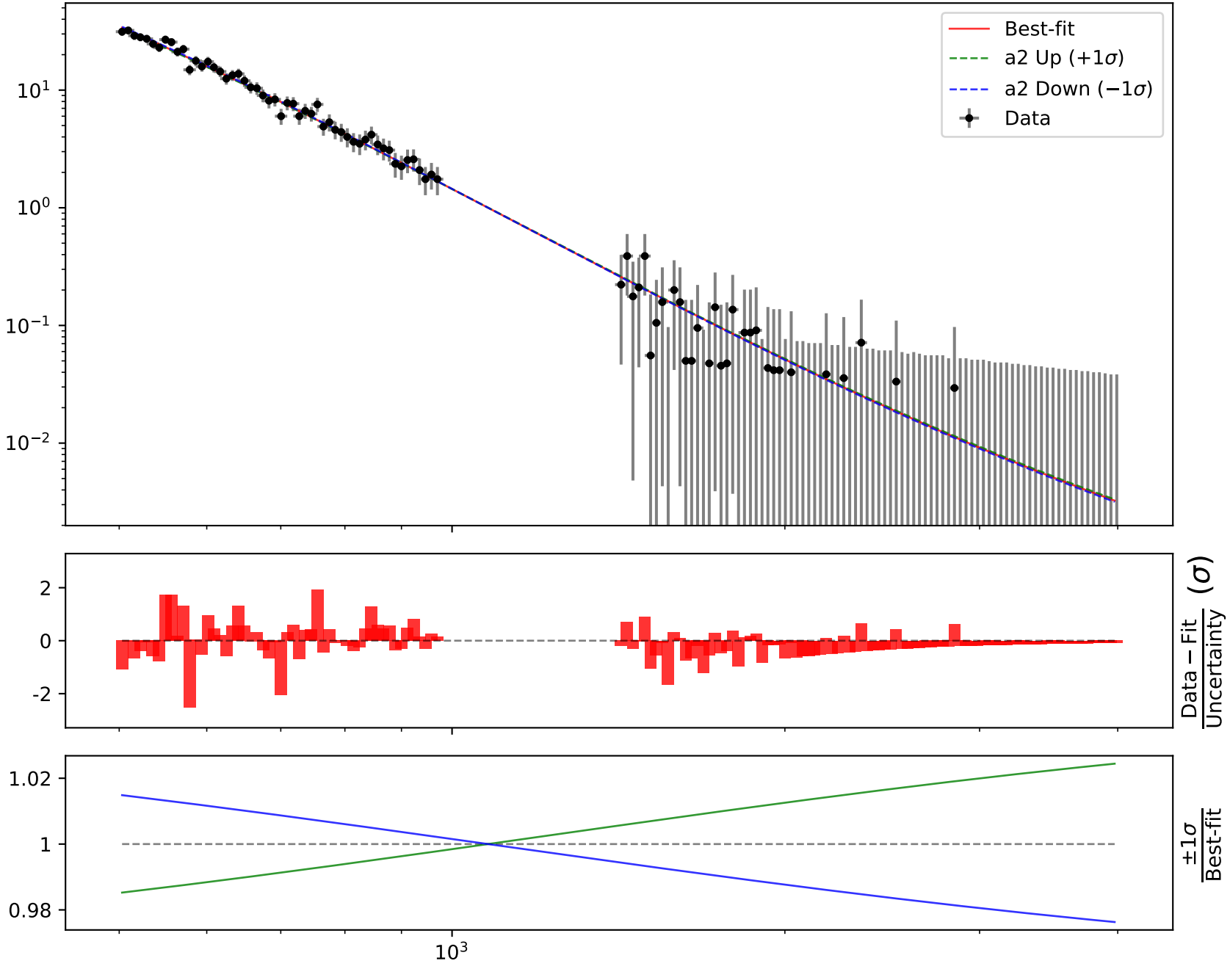
Candidate function #6

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

$a1 = -0.258$, $\mathbf{a2 = 1.15963e-06^{+6.87e-08(5.92\%)}_{-6.445e-08(5.56\%)}}$,
$a3 = 0.474098^{+0.005359(1.13\%)}_{-0.00534(1.13\%)}$

Candidate #6

χ^2/NDF = 52.38/137, RMSE = 0.7704, R2 = 0.9902



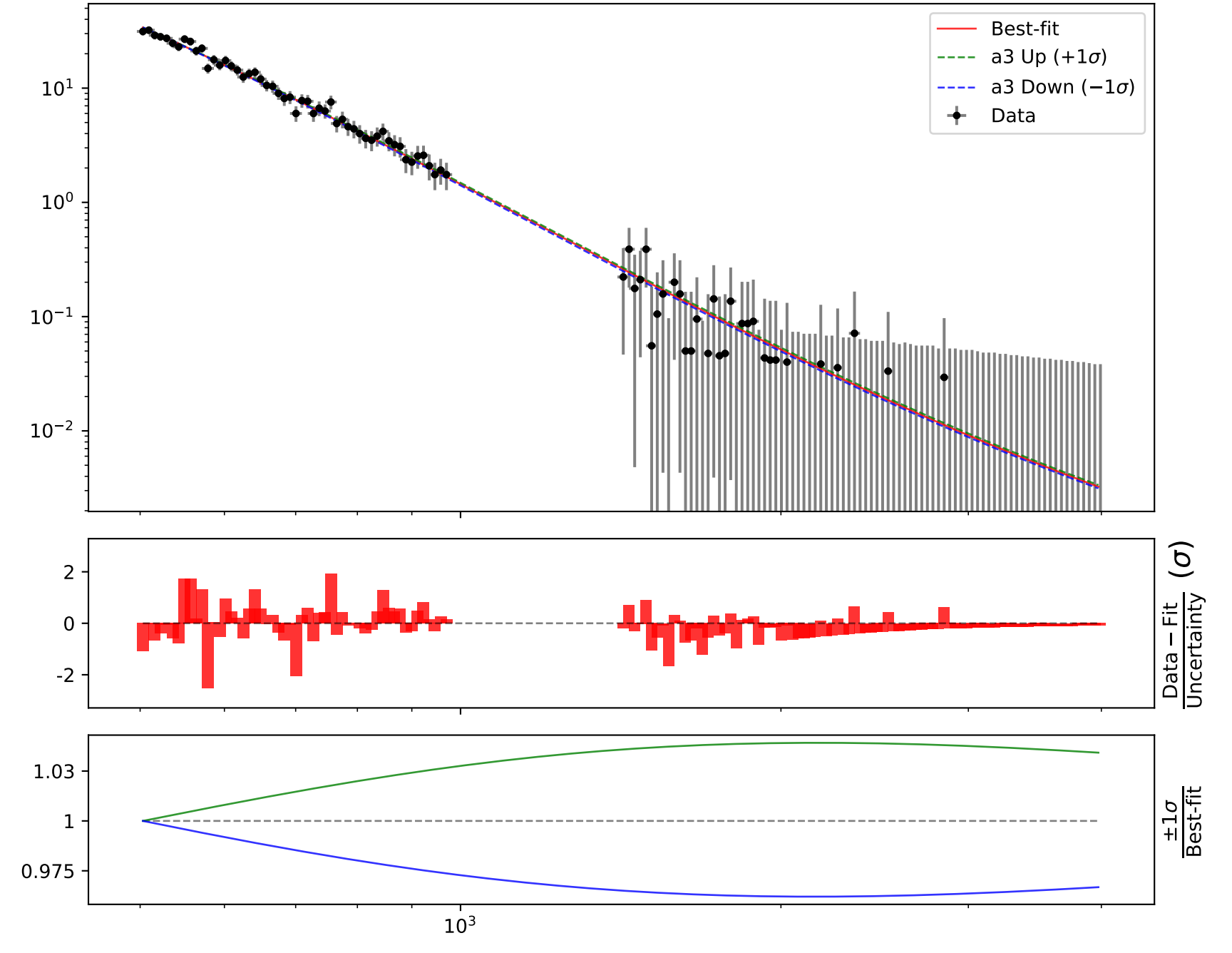
1.0*(a2**(a1 + ((x0 - 503.0) * 0.000286615)/(a3 + ((x0 - 503.0) * 0.000286615))))

$a1 = -0.258,\ a2 = 1.15963e-06^{+6.87e-08(5.92\%)}_{-6.445e-08(5.56\%)},$

$a3 = 0.474098^{+0.005359(1.13\%)}_{-0.00534(1.13\%)}$

Candidate #6

χ^2/NDF = 52.38/137, RMSE = 0.7704, R2 = 0.9902



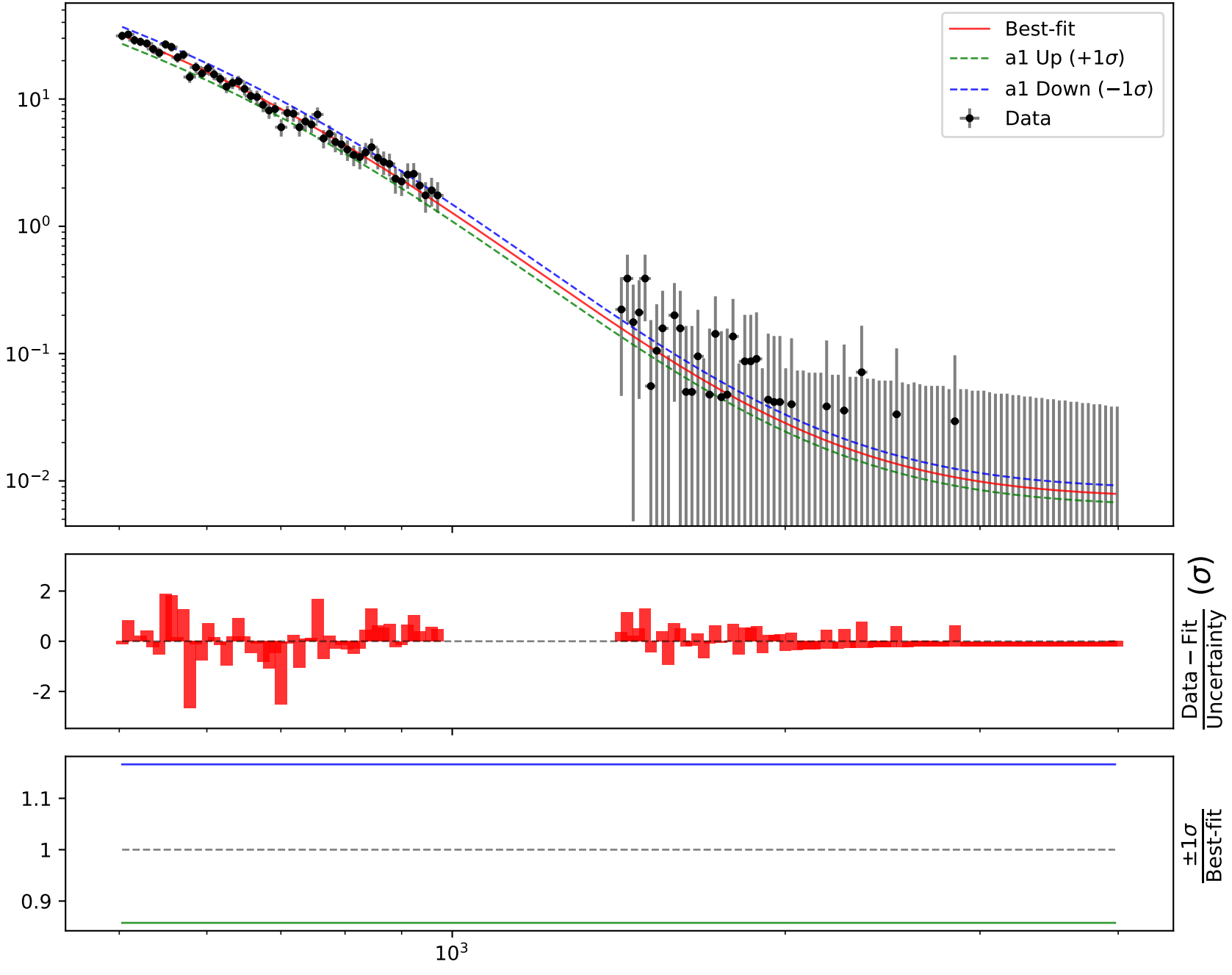
Candidate function #5

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

a1 = $-0.413641^{+0.0184(4.45\%)}_{-0.0184(4.45\%)}$, a2 = $0.000236284^{+8.6e-05(36.4\%)}_{-8.6e-05(36.4\%)}$,
a3 = $2.84537^{+0.144(5.06\%)}_{-0.144(5.06\%)}$

Candidate #5

χ^2/NDF = 52.12/136, RMSE = 0.7573, R2 = 0.9906

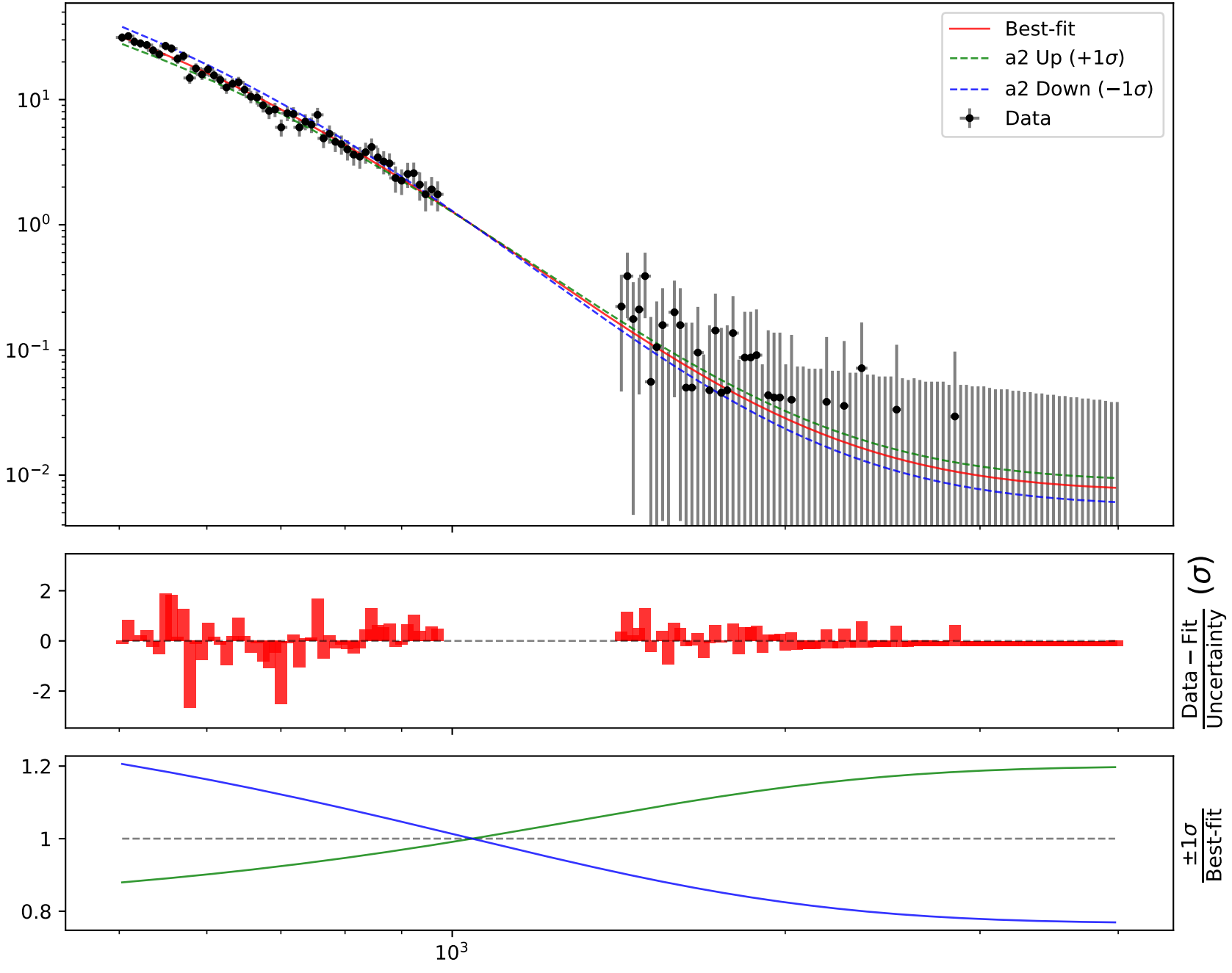


1.0*(a2**(a1 + tanh(a3*((x0 - 503.0) * 0.000286615))))

$a1 = -0.413641^{+0.0184(4.45\%)}_{-0.0184(4.45\%)}$, $\mathbf{a2 = 0.000236284^{+8.6e-05(36.4\%)}_{-8.6e-05(36.4\%)}}$,
$a3 = 2.84537^{+0.144(5.06\%)}_{-0.144(5.06\%)}$

Candidate #5

χ^2/NDF = 52.12/136, RMSE = 0.7573, R2 = 0.9906



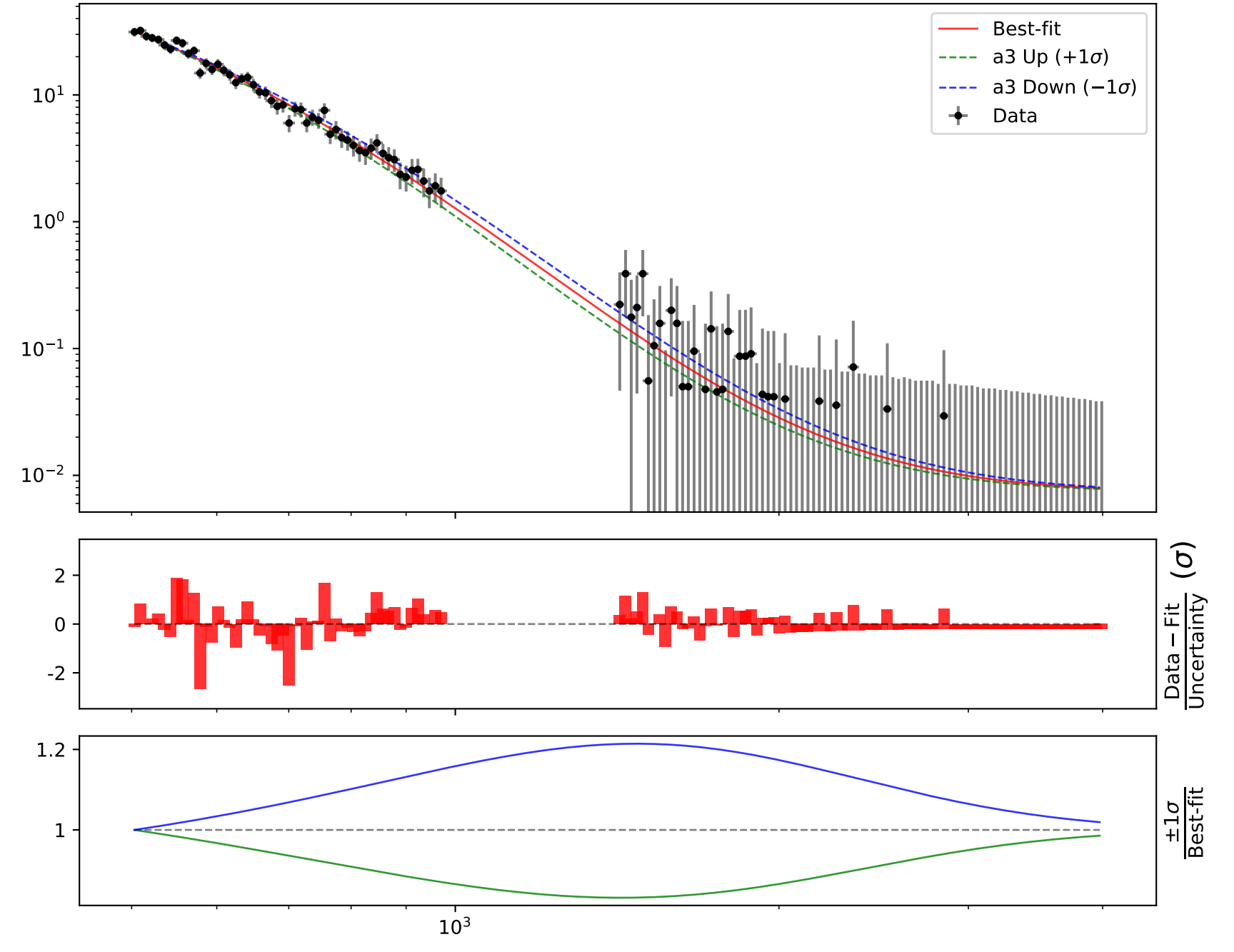
1.0*(a2**(a1 + tanh(a3*((x0 - 503.0) * 0.000286615))))

$a1 = -0.413641^{+0.0184(4.45\%)}_{-0.0184(4.45\%)}$, $a2 = 0.000236284^{+8.6e-05(36.4\%)}_{-8.6e-05(36.4\%)}$,

$a3 = 2.84537^{+0.144(5.06\%)}_{-0.144(5.06\%)}$

Candidate #5

χ^2/NDF = 52.12/136, RMSE = 0.7573, R2 = 0.9906



Candidate function #4

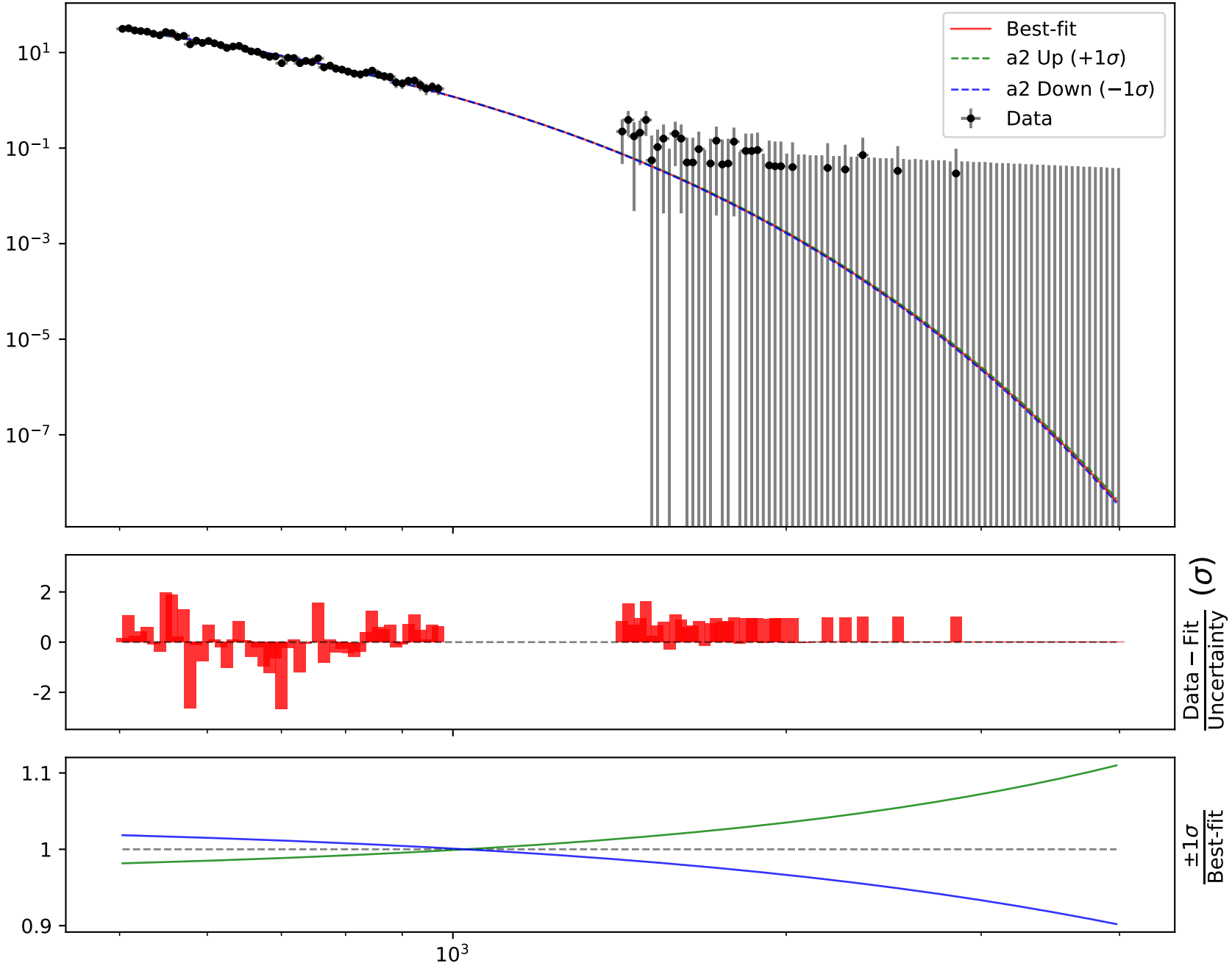
1.0*(a2**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -1.25$, $\mathbf{a2 = 0.0641613^{+0.0009588(1.49\%)}_{-0.0009344(1.46\%)}}$,

$a3 = 8.31967^{+0.1181(1.42\%)}_{-0.1163(1.4\%)}$

Candidate #4

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



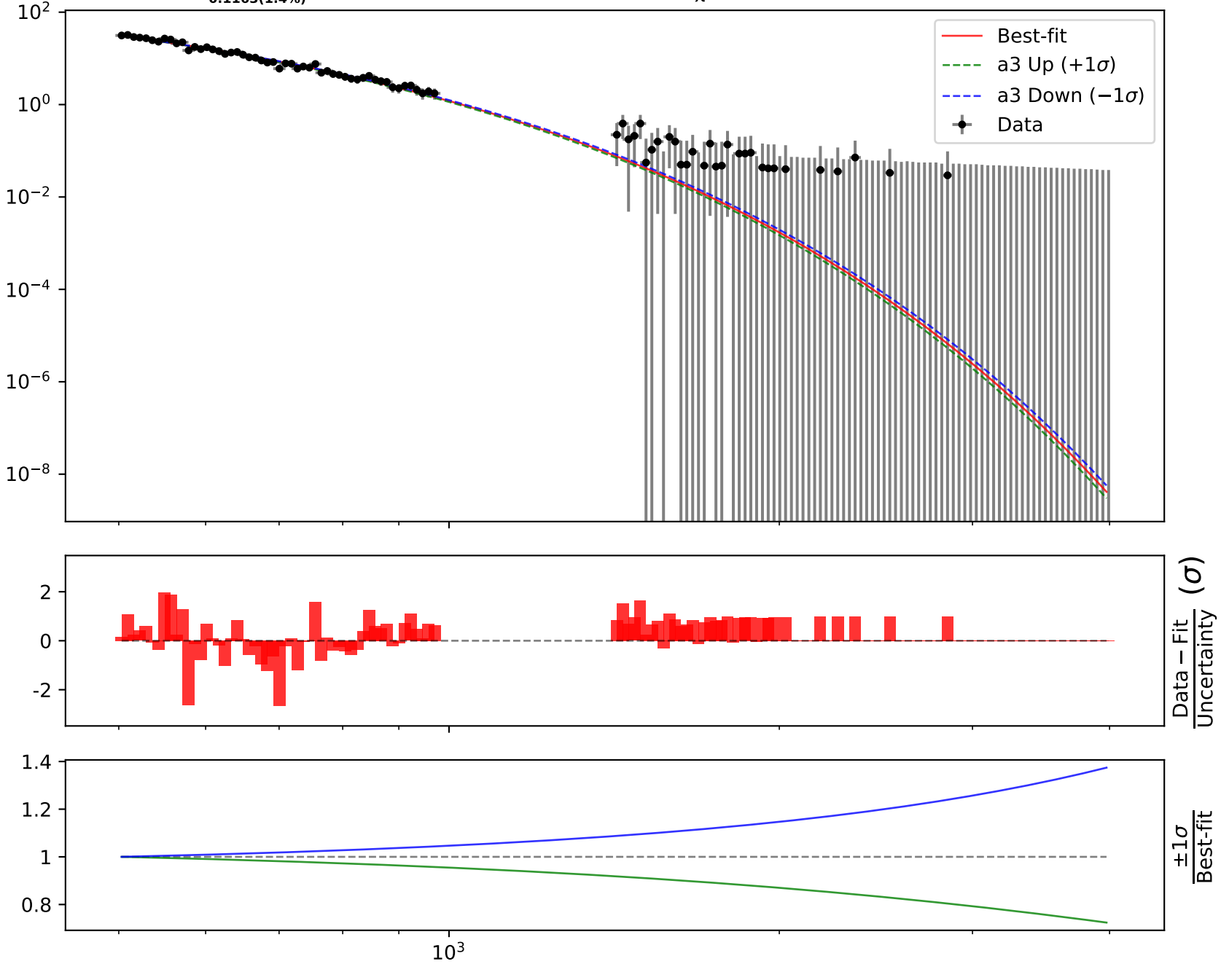
1.0*(a2**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -1.25,\ a2 = 0.0641613^{+0.0009588(1.49\%)}_{-0.0009344(1.46\%)},$

$a3 = 8.31967^{+0.1181(1.42\%)}_{-0.1163(1.4\%)}$

Candidate #4

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



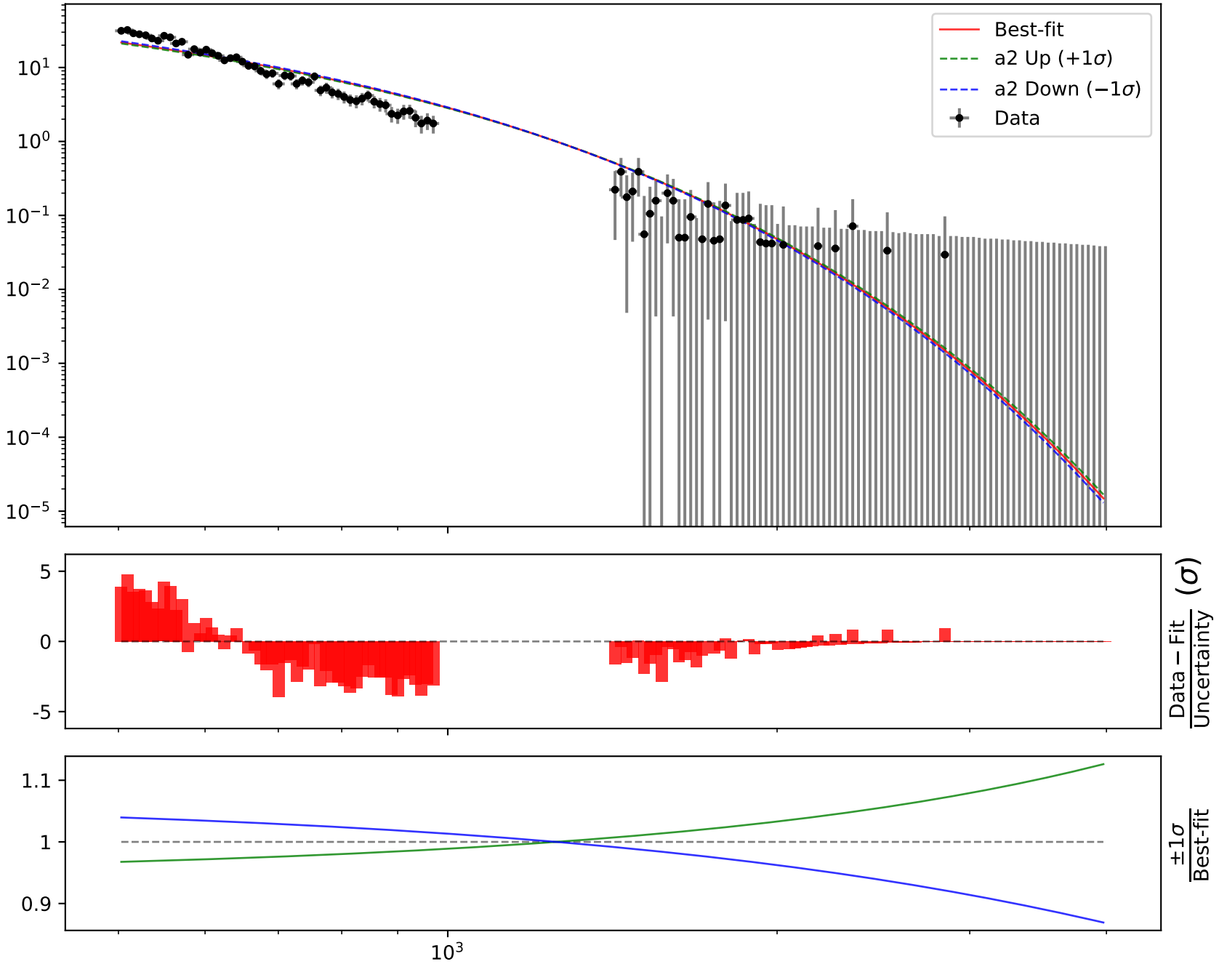
Candidate function #3

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

$a1 = -0.216$, $\mathbf{a2 = 6.37383e-07^{+1.05e-07(16.5\%)}_{-1.05e-07(16.5\%)}}$

Candidate #3

χ^2/NDF = 414.8/138, RMSE = 2.391, R2 = 0.9061



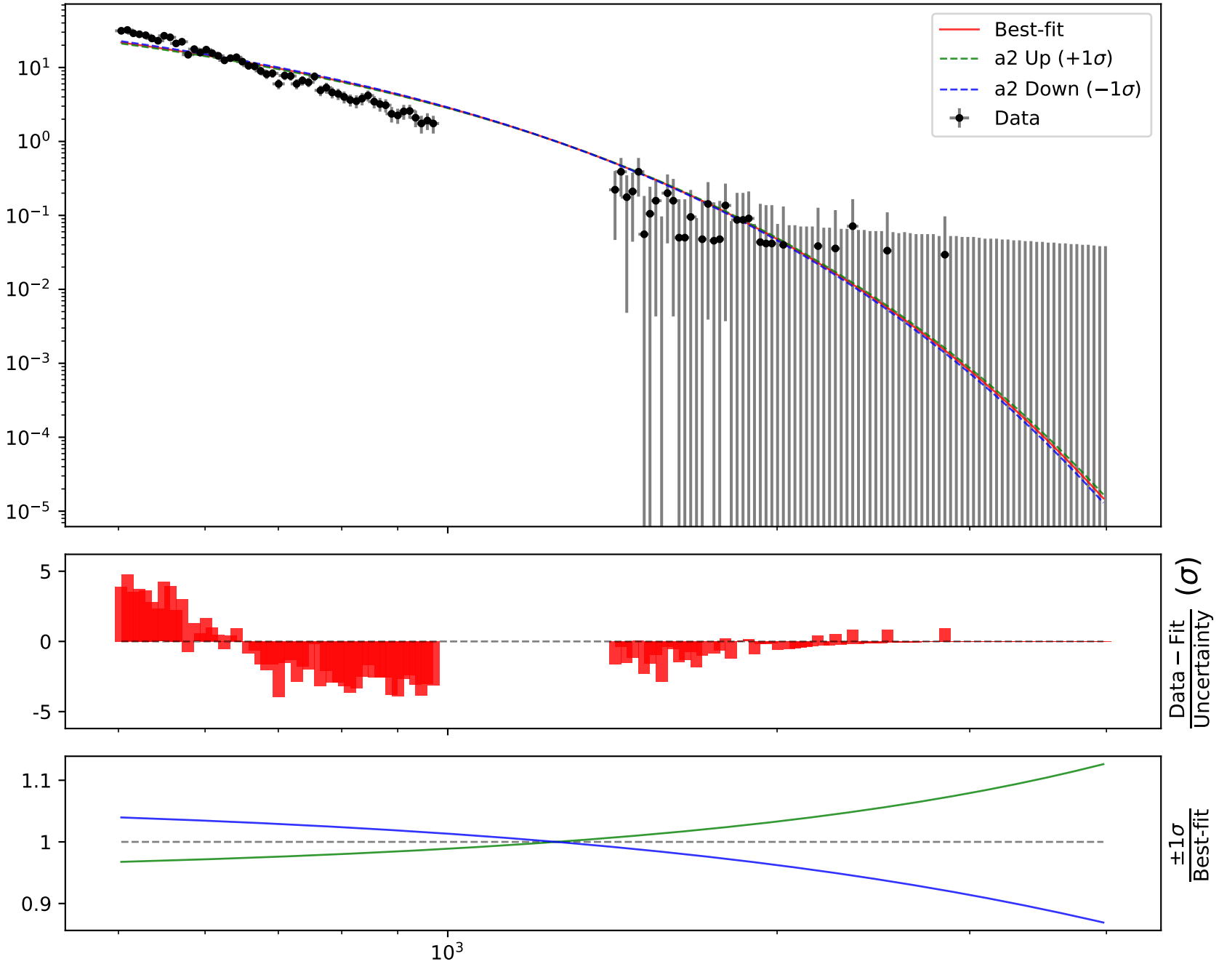
Candidate function #2

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

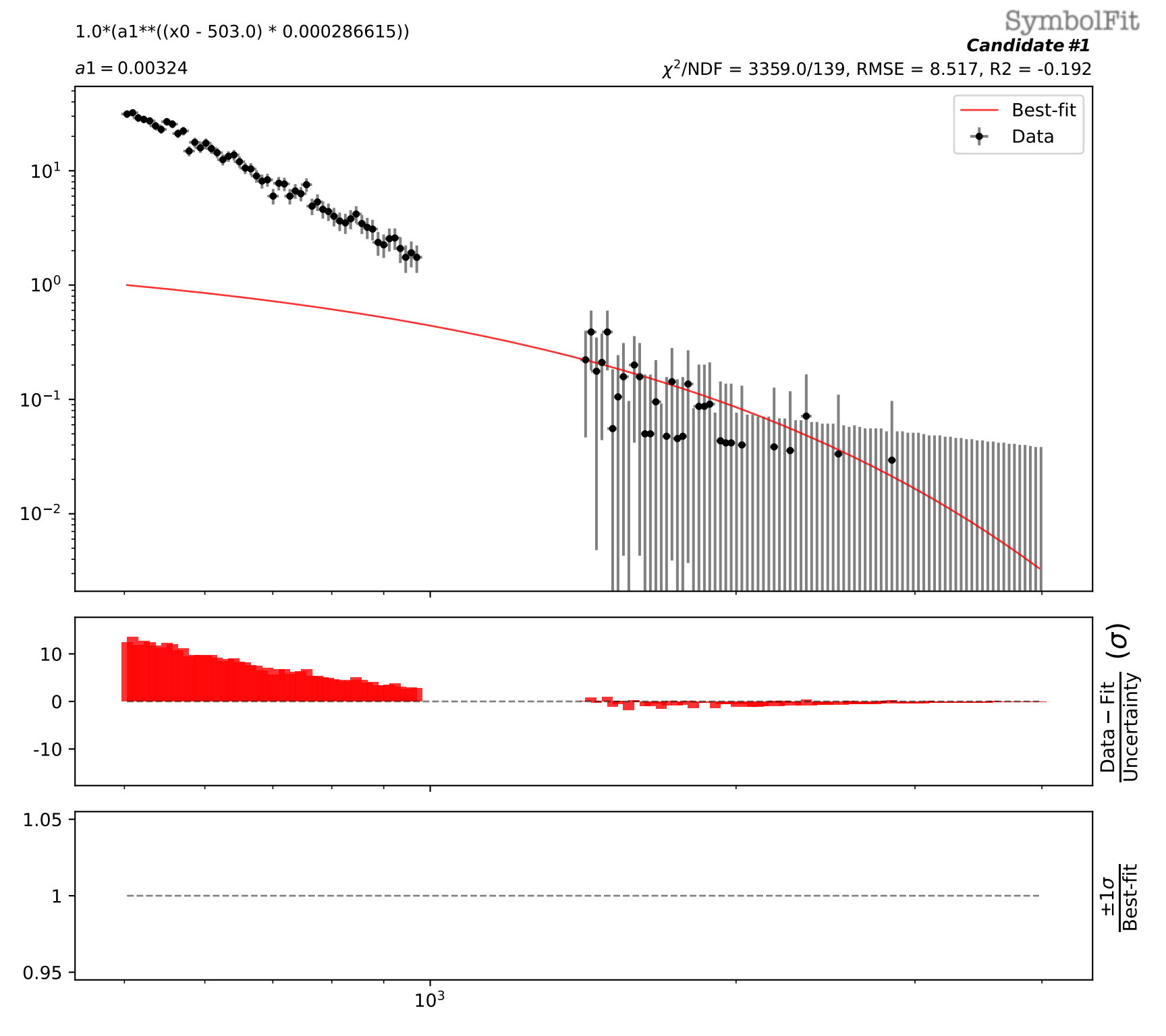
$a1 = -0.216$, $\mathbf{a2 = 6.37383e-07^{+1.05e-07(16.5\%)}_{-1.05e-07(16.5\%)}}$

Candidate #2

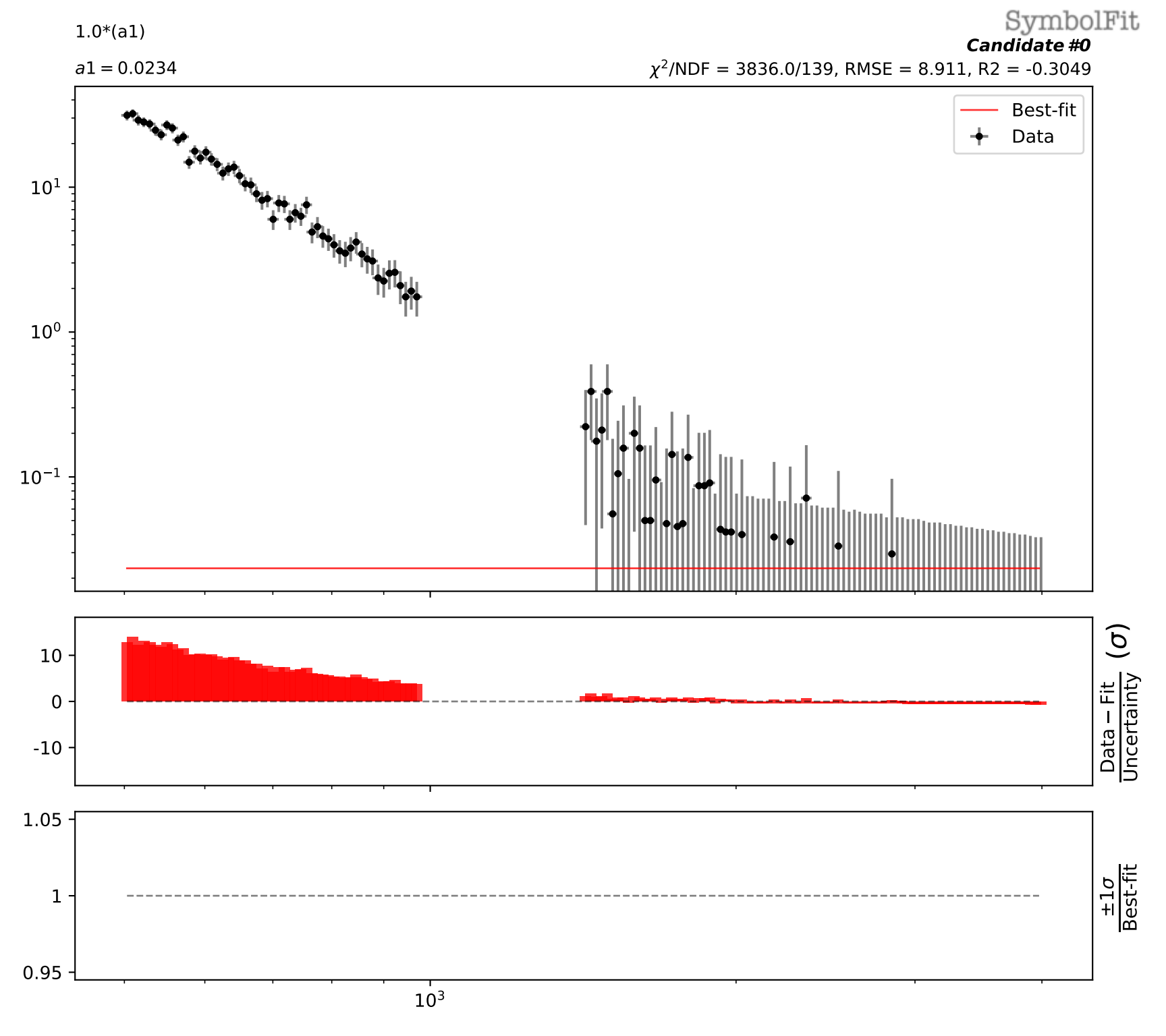
χ^2/NDF = 414.8/138, RMSE = 2.391, R2 = 0.9061



Candidate function #1


1.0*(a1**((x0 - 503.0) * 0.000286615))
a1 = 0.00324
SymbolFit
Candidate #1
χ²/NDF = 3359.0/139, RMSE = 8.517, R2 = -0.192
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