Candidate function #11

1.0*(a1**(a3 + a5*((x0 - 503.0) * 0.000286615))/(a2 + ((x0 - 503.0) * 0.000286615)**a4))

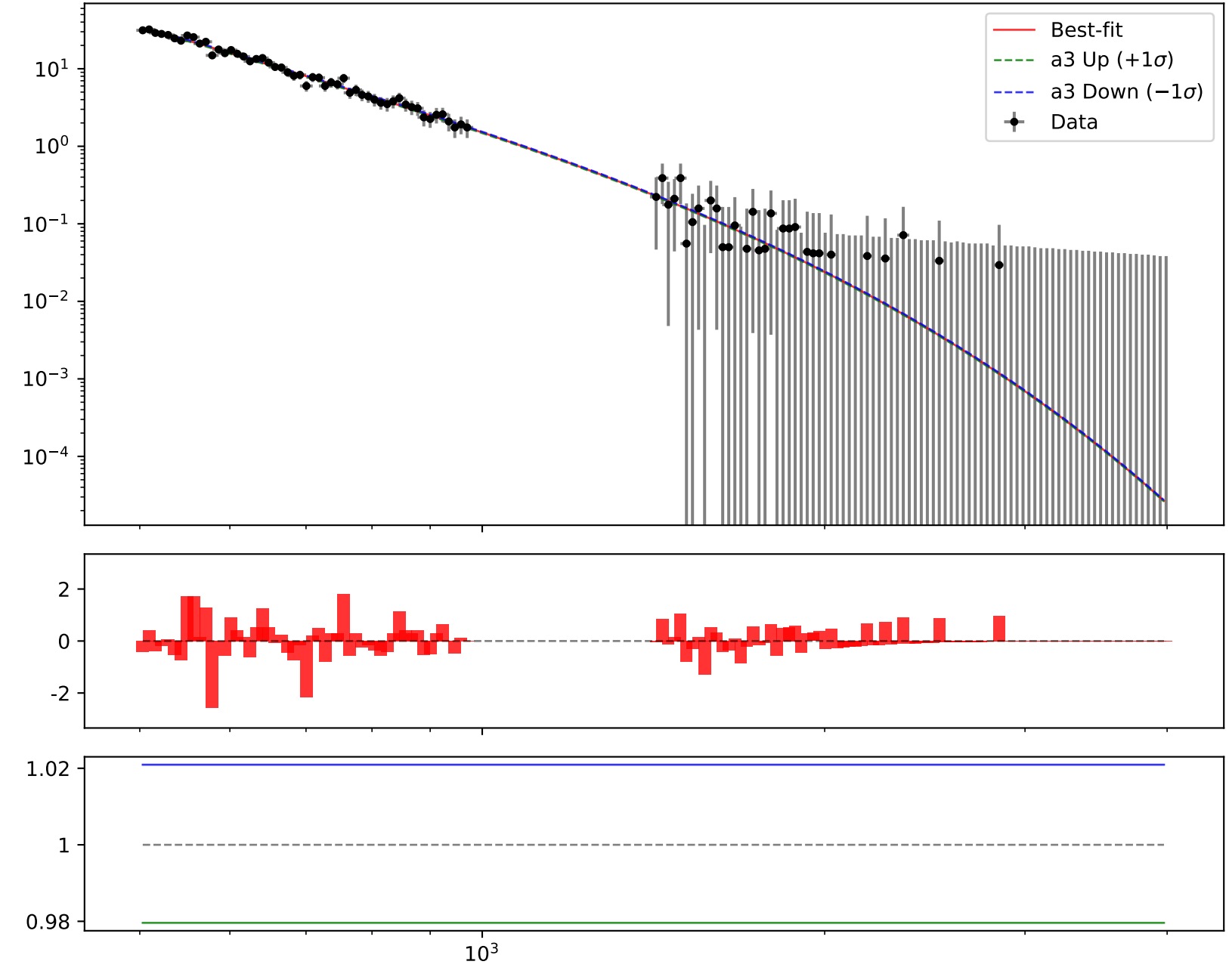
$a1 = 0.00961$, $a2 = 0.022$,

$a3 = 0.0730443^{+0.004436(6.07\%)}_{-0.00446(6.11\%)}$, $a4 = 1.24722^{+0.02459(1.97\%)}_{-0.02319(1.86\%)}$,

$a5 = 2.20145^{+0.07908(3.59\%)}_{-0.07273(3.3\%)}$

Candidate #11

χ^2/NDF = 46.23/136, RMSE = 0.7288, R2 = 0.9913



1.0*(a1**(a3 + a5*((x0 - 503.0) * 0.000286615))/(a2 + ((x0 - 503.0) * 0.000286615)**a4))

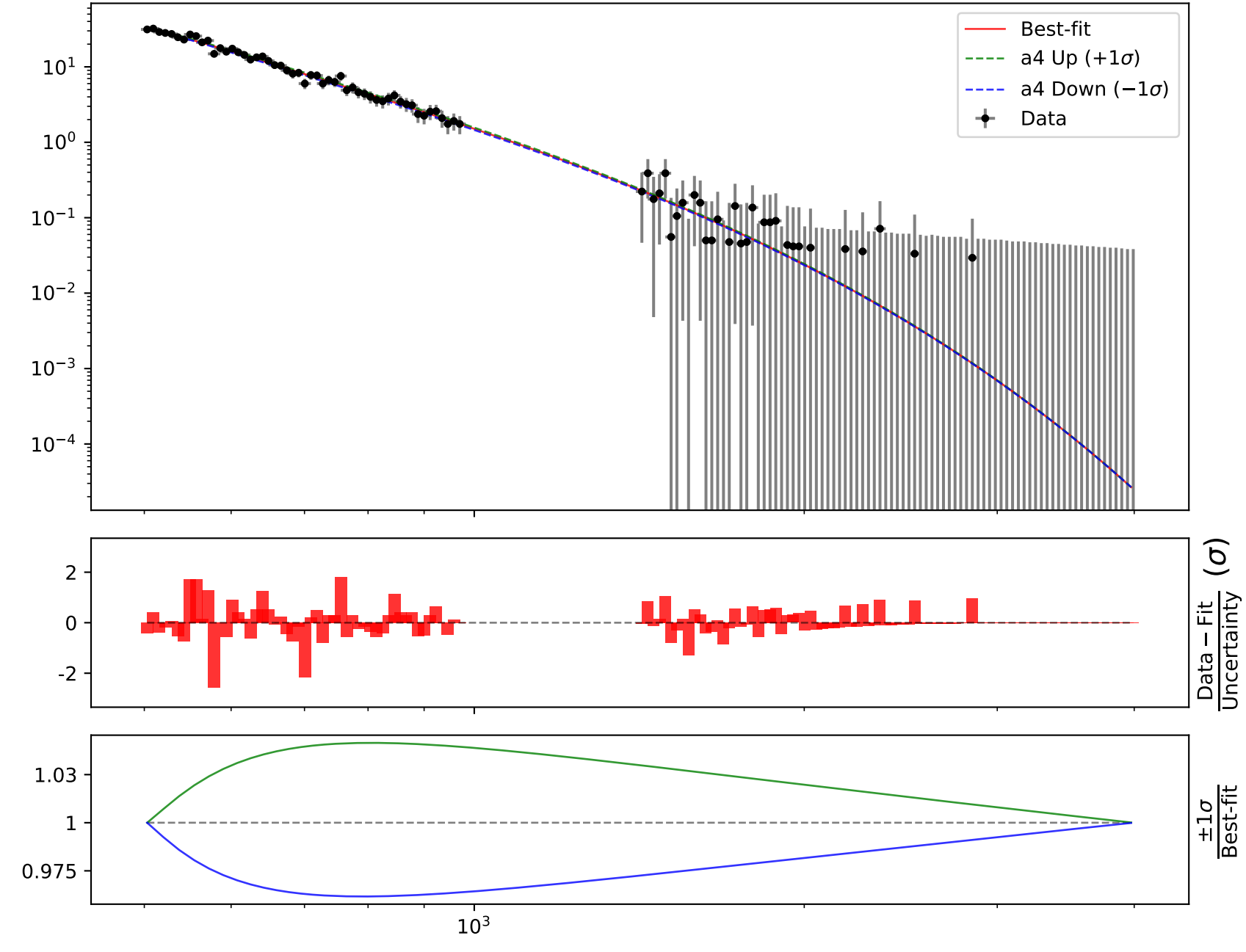
$a1 = 0.00961$, $a2 = 0.022$,

$a3 = 0.0730443^{+0.004436(6.07\%)}_{-0.00446(6.11\%)}$, **$a4 = 1.24722^{+0.02459(1.97\%)}_{-0.02319(1.86\%)}$**,

$a5 = 2.20145^{+0.07908(3.59\%)}_{-0.07273(3.3\%)}$

Candidate #11

χ^2/NDF = 46.23/136, RMSE = 0.7288, R2 = 0.9913



1.0*(a1**(a3 + a5*((x0 - 503.0) * 0.000286615))/(a2 + ((x0 - 503.0) * 0.000286615)**a4))

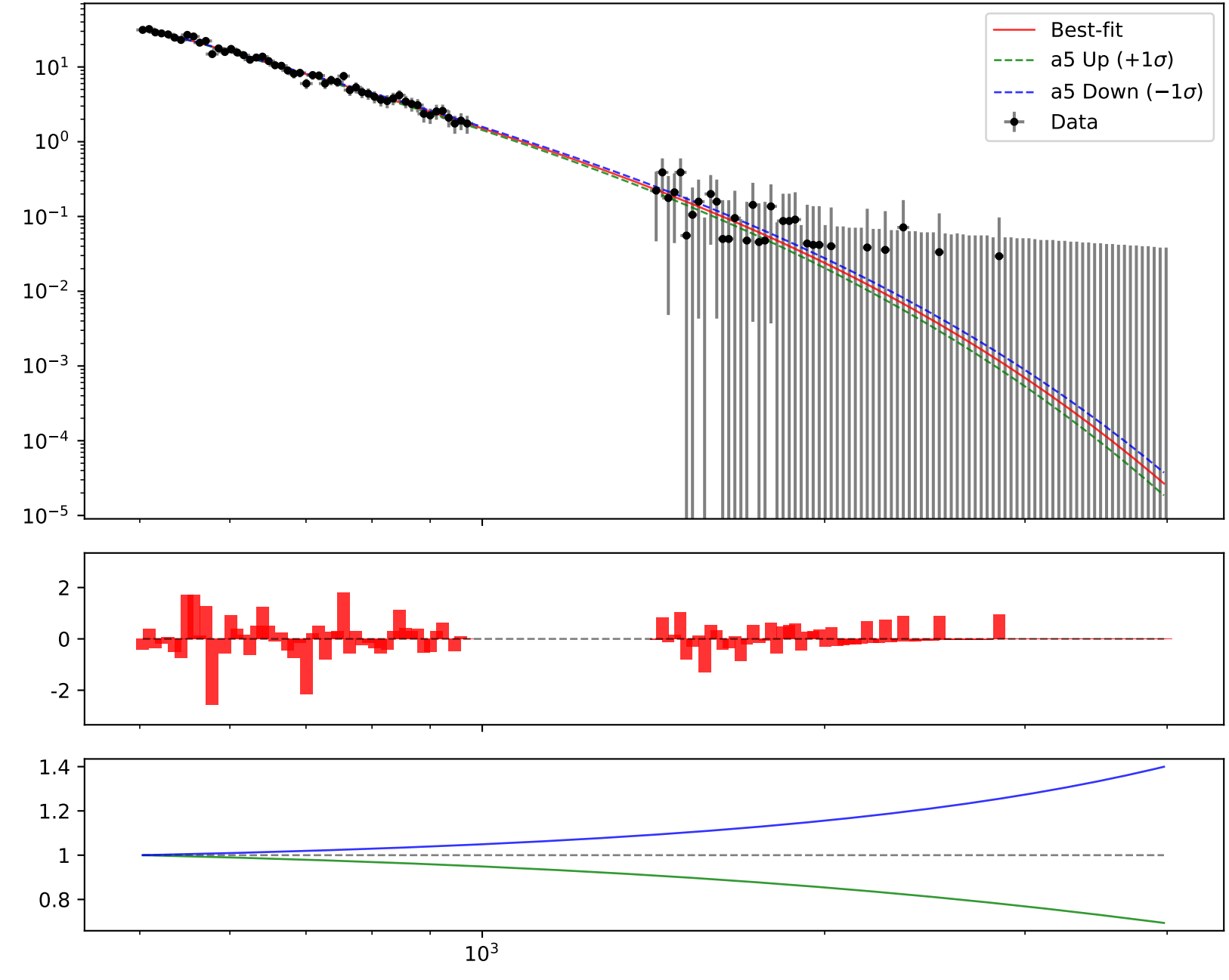
$a1 = 0.00961$, $a2 = 0.022$,

$a3 = 0.0730443^{+0.004436(6.07\%)}_{-0.00446(6.11\%)}$, $a4 = 1.24722^{+0.02459(1.97\%)}_{-0.02319(1.86\%)}$,

$a5 = 2.20145^{+0.07908(3.59\%)}_{-0.07273(3.3\%)}$

Candidate #11

χ^2/NDF = 46.23/136, RMSE = 0.7288, R2 = 0.9913



Candidate function #10

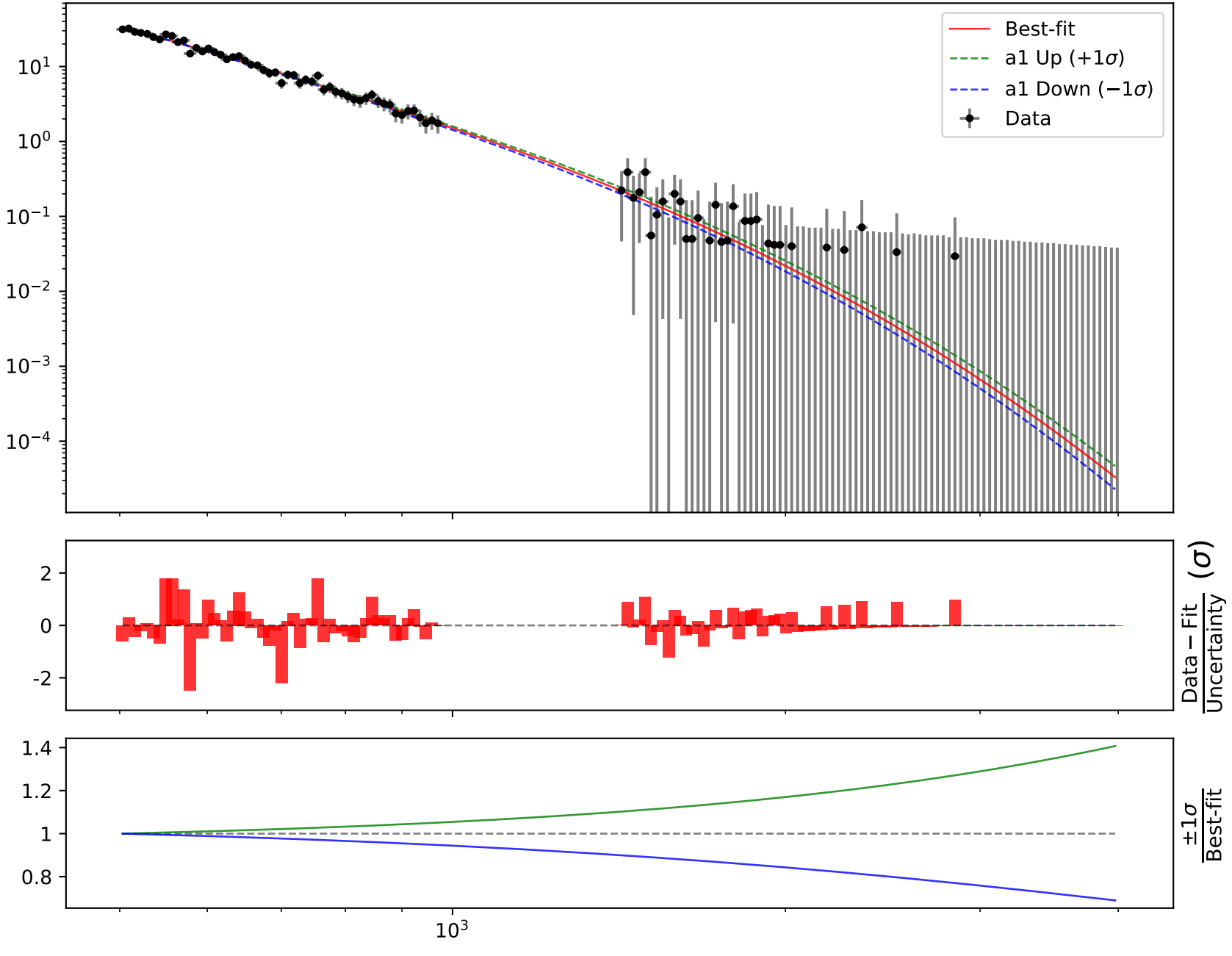
1.0*(a1**(2*((x0 - 503.0) * 0.000286615) + tanh(((x0 - 503.0) * 0.000286615)))/(a2 + ((x0 - 503.0) * 0.000286615)**a3))

a1 = $0.0236608^{+0.00313(13.2\%)}_{-0.002991(12.6\%)}$, a2 = $0.0304542^{+0.0006337(2.08\%)}_{-0.0006225(2.04\%)}$,

a3 = $1.16346^{+0.02272(1.95\%)}_{-0.02079(1.79\%)}$

Candidate #10

χ^2/NDF = 46.8/136, RMSE = 0.742, R2 = 0.991



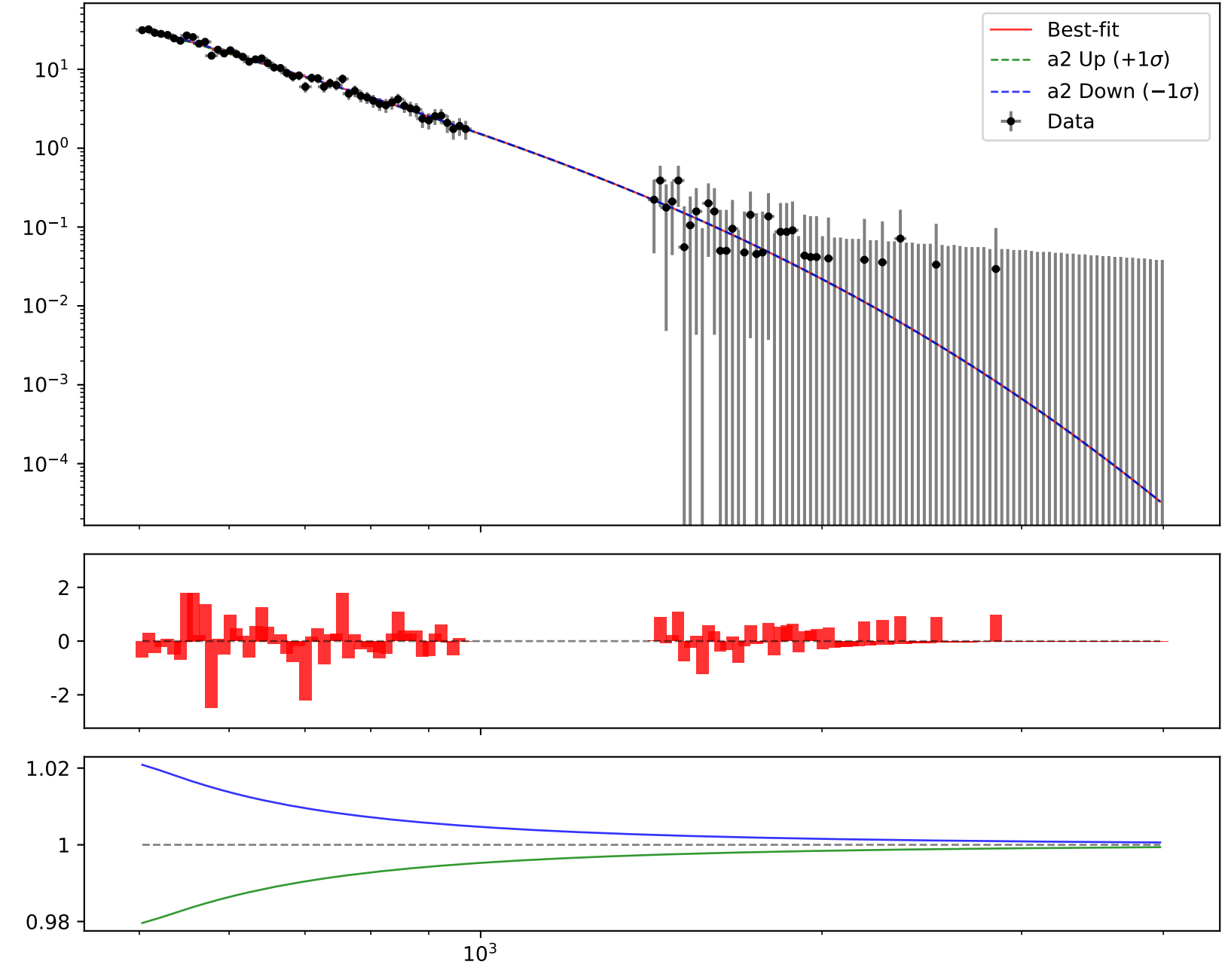
1.0*(a1**(2*((x0 - 503.0) * 0.000286615) + tanh(((x0 - 503.0) * 0.000286615)))/(a2 + ((x0 - 503.0) * 0.000286615)**a3))

$a1 = 0.0236608^{+0.00313(13.2\%)}_{-0.002991(12.6\%)}$, **$a2 = 0.0304542^{+0.0006337(2.08\%)}_{-0.0006225(2.04\%)}$**,

$a3 = 1.16346^{+0.02272(1.95\%)}_{-0.02079(1.79\%)}$

Candidate #10

χ^2/NDF = 46.8/136, RMSE = 0.742, R2 = 0.991



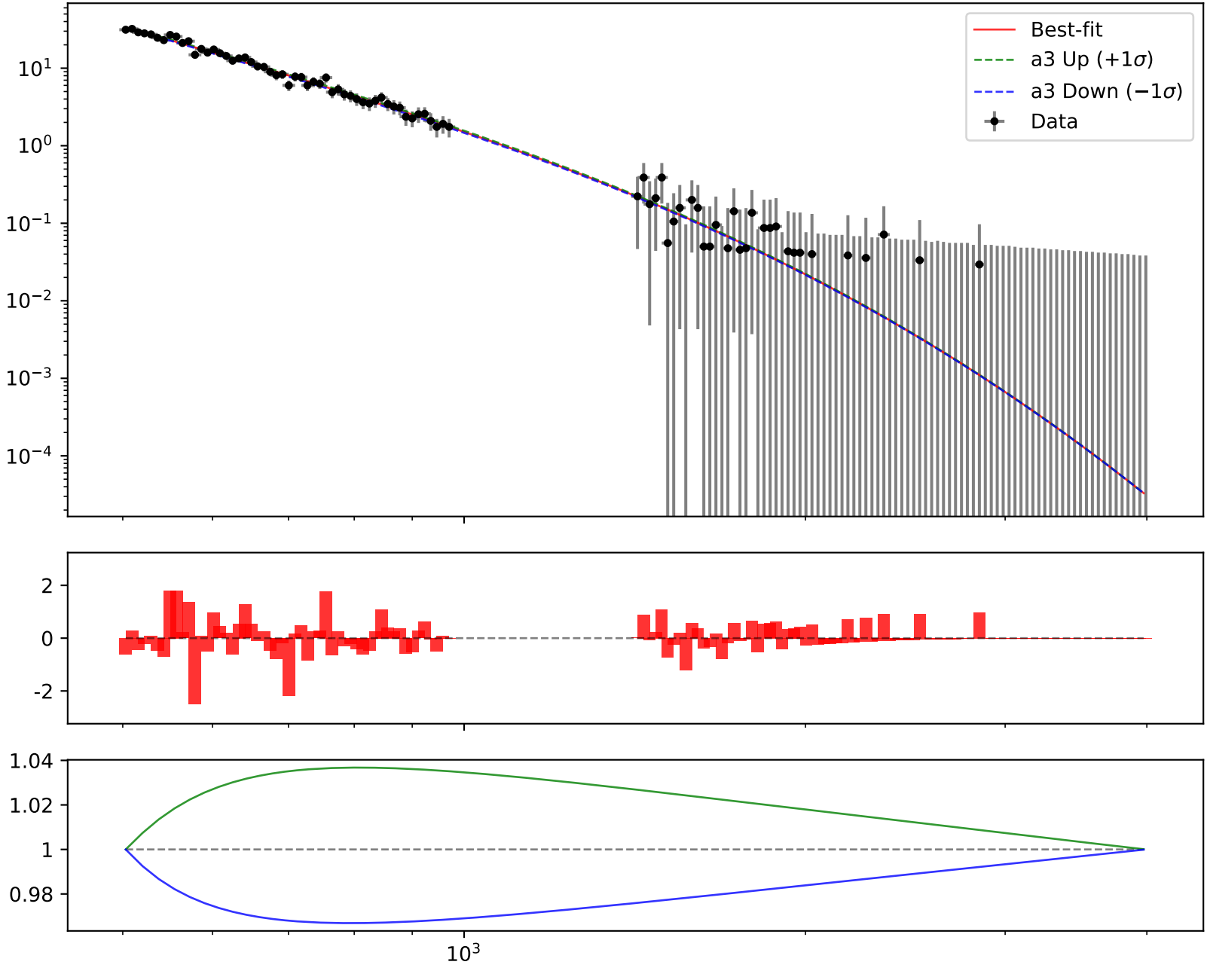
1.0*(a1**(2*((x0 - 503.0) * 0.000286615) + tanh(((x0 - 503.0) * 0.000286615)))/(a2 + ((x0 - 503.0) * 0.000286615)**a3))

$a1 = 0.0236608^{+0.00313(13.2\%)}_{-0.002991(12.6\%)}$, $a2 = 0.0304542^{+0.0006337(2.08\%)}_{-0.0006225(2.04\%)}$,

$a3 = 1.16346^{+0.02272(1.95\%)}_{-0.02079(1.79\%)}$

Candidate #10

χ^2/NDF = 46.8/136, RMSE = 0.742, R2 = 0.991



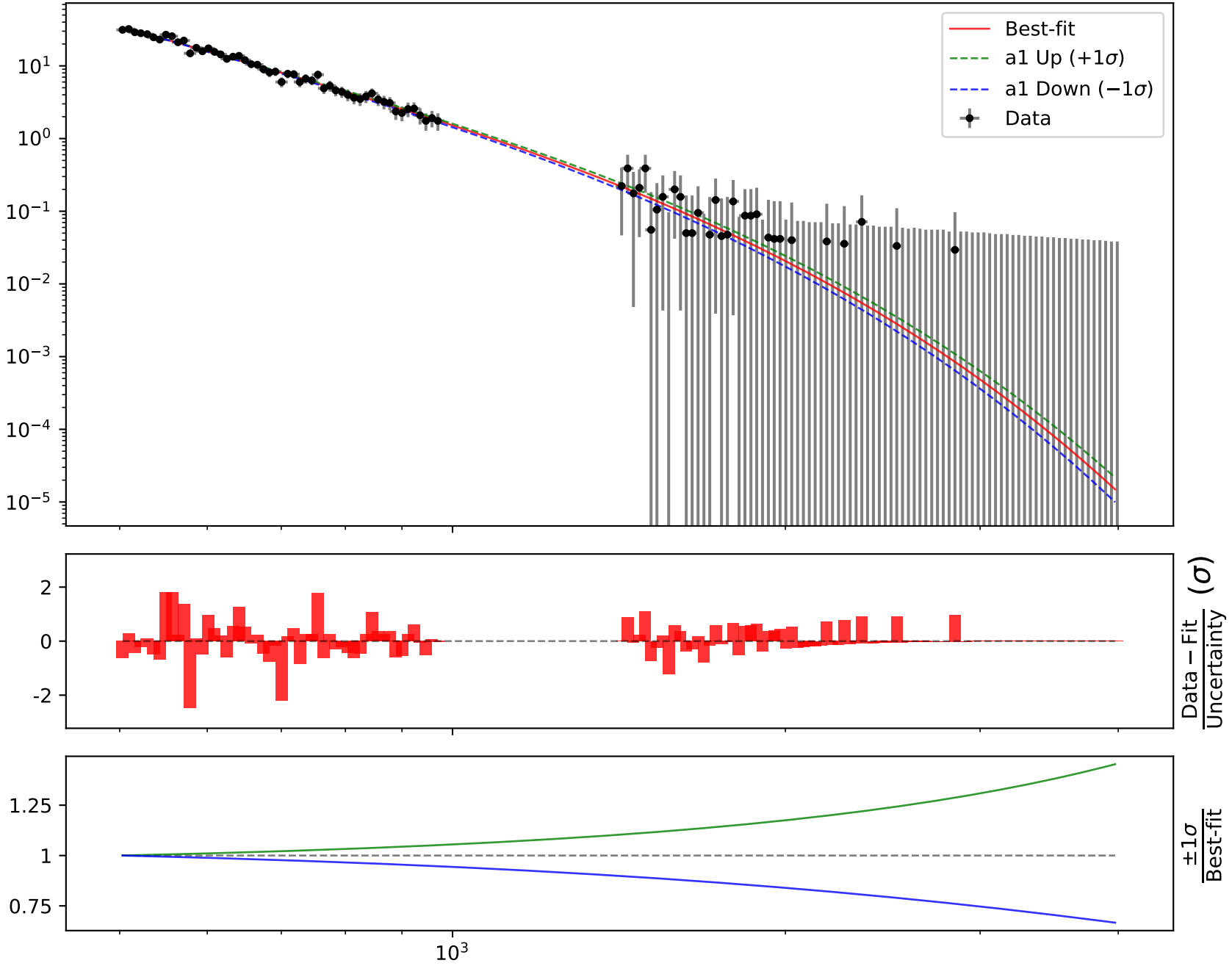
Candidate function #9

1.0*(a1**(3*((x0 - 503.0) * 0.000286615))/(a2 + ((x0 - 503.0) * 0.000286615)**a3))

a1 = 0.0243547$^{+0.00325(13.3\%)}_{-0.003094(12.7\%)}$, a2 = 0.0304162$^{+0.0006367(2.09\%)}_{-0.0006253(2.06\%)}$,
a3 = 1.16002$^{+0.02268(1.96\%)}_{-0.02078(1.79\%)}$

Candidate #9

χ^2/NDF = 47.03/136, RMSE = 0.7437, R2 = 0.9909



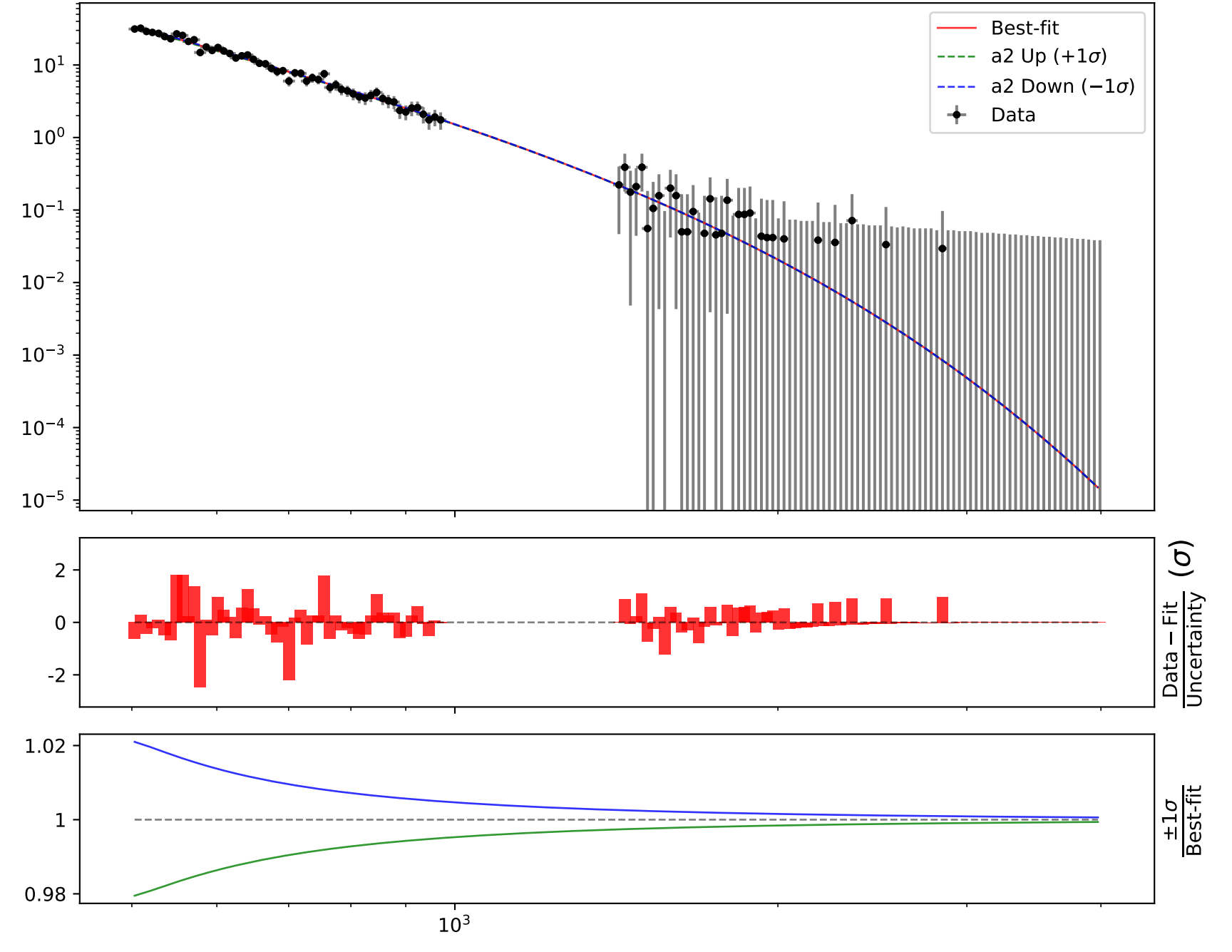
1.0*(a1**(3*((x0 - 503.0) * 0.000286615))/(a2 + ((x0 - 503.0) * 0.000286615)**a3))

$a1 = 0.0243547^{+0.00325(13.3\%)}_{-0.003094(12.7\%)}$, **$a2 = 0.0304162^{+0.0006367(2.09\%)}_{-0.0006253(2.06\%)}$**,

$a3 = 1.16002^{+0.02268(1.96\%)}_{-0.02078(1.79\%)}$

Candidate #9

χ^2/NDF = 47.03/136, RMSE = 0.7437, R2 = 0.9909



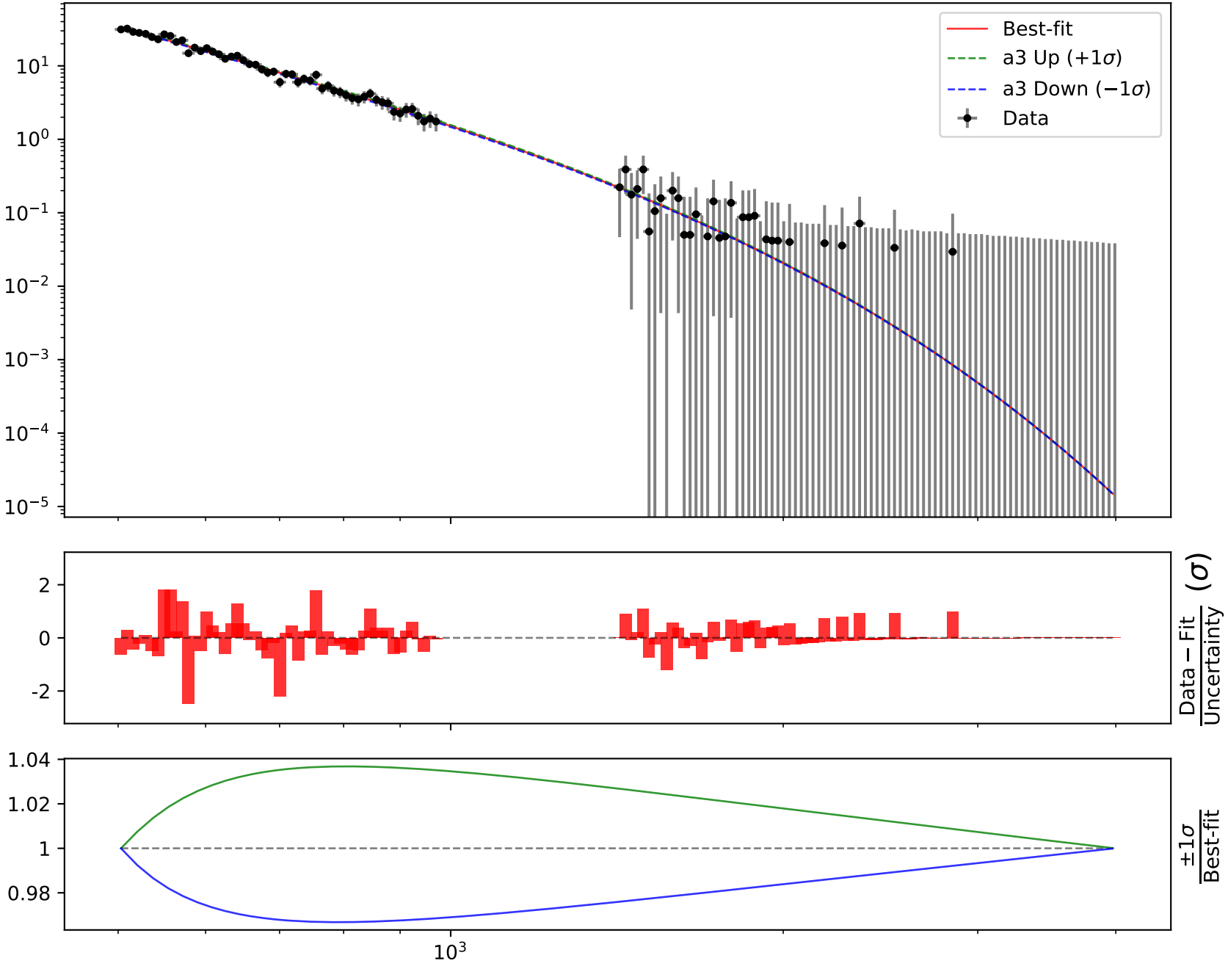
1.0*(a1**(3*((x0 - 503.0) * 0.000286615))/(a2 + ((x0 - 503.0) * 0.000286615)**a3))

$a1 = 0.0243547^{+0.00325(13.3\%)}_{-0.003094(12.7\%)}$, $a2 = 0.0304162^{+0.0006367(2.09\%)}_{-0.0006253(2.06\%)}$,

$a3 = 1.16002^{+0.02268(1.96\%)}_{-0.02078(1.79\%)}$

Candidate #9

χ^2/NDF = 47.03/136, RMSE = 0.7437, R2 = 0.9909



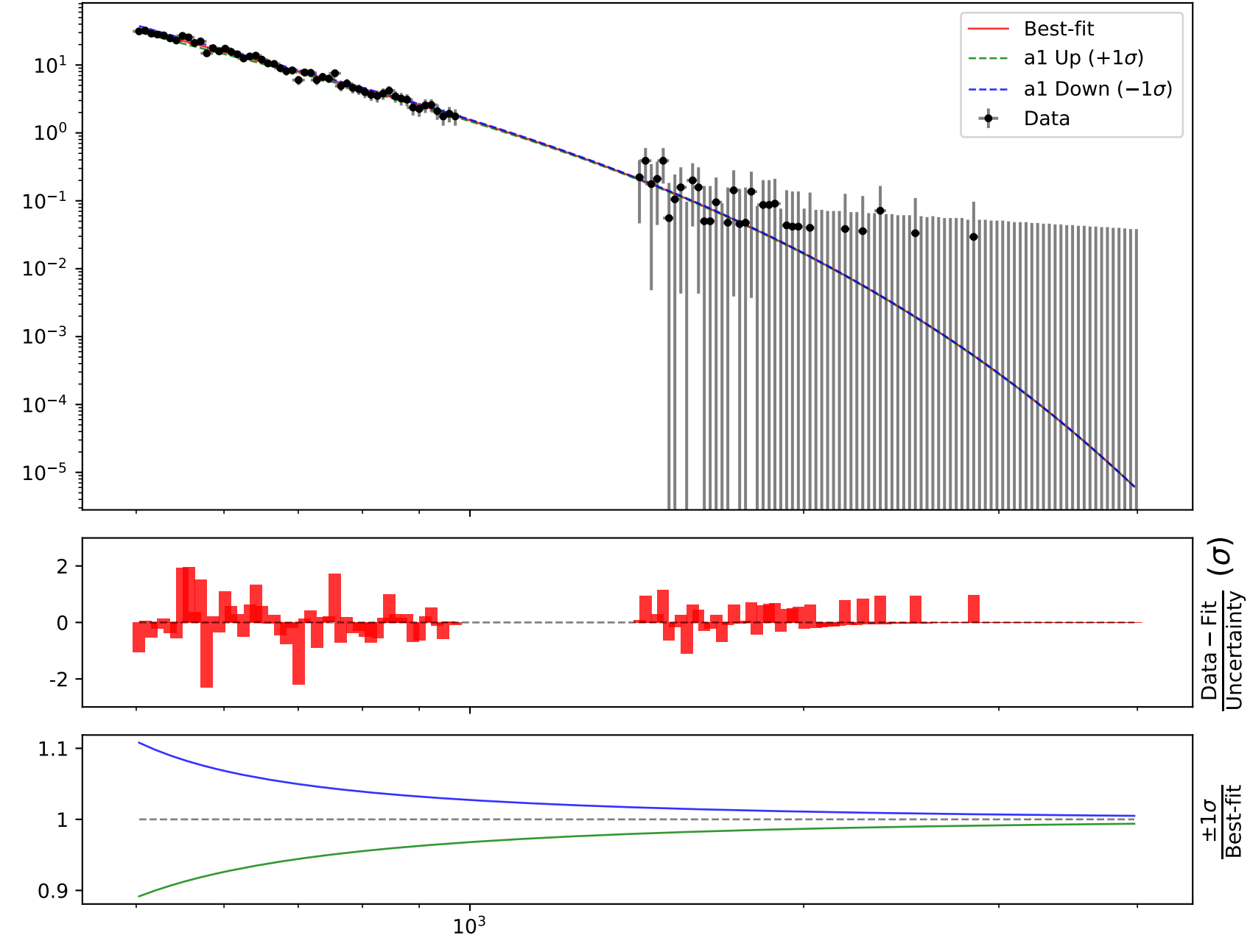
Candidate function #8

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

a1 = 0.0533011 $^{+0.006476(12.1\%)}_{-0.005192(9.74\%)}$, $a2 = 0.0749$,
$a3 = 1.80911^{+0.1921(10.6\%)}_{-0.1534(8.48\%)}$, $a4 = 4.86399^{+0.2583(5.31\%)}_{-0.2331(4.79\%)}$

Candidate #8

χ^2/NDF = 49.58/136, RMSE = 0.7885, R2 = 0.9898



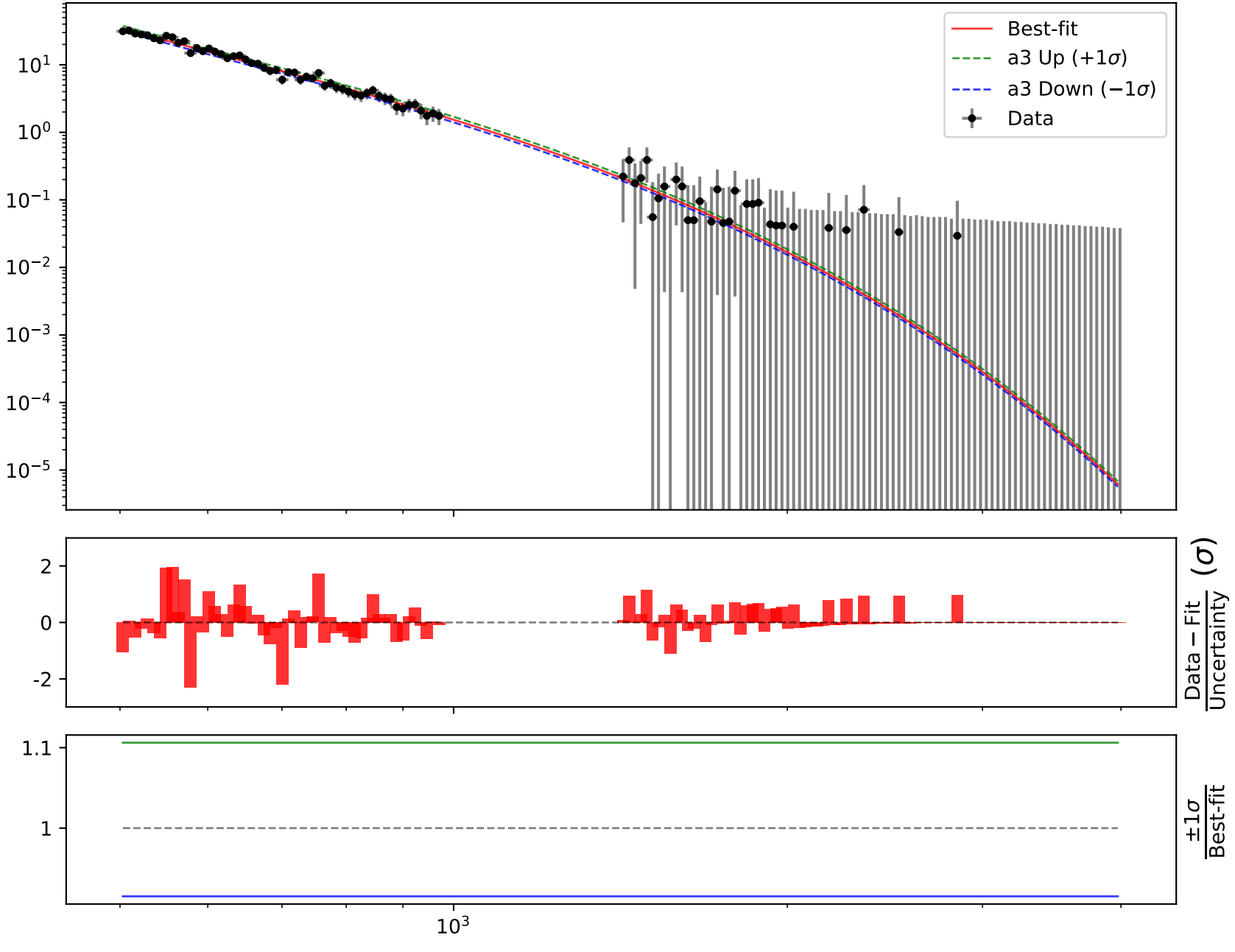
1.0*(a2**(a4*((x0 - 503.0) * 0.000286615))*a3/(a1 + ((x0 - 503.0) * 0.000286615)))

$a1 = 0.0533011^{+0.006476(12.1\%)}_{-0.005192(9.74\%)}$, $a2 = 0.0749$,

$a3 = 1.80911^{+0.1921(10.6\%)}_{-0.1534(8.48\%)}$, $a4 = 4.86399^{+0.2583(5.31\%)}_{-0.2331(4.79\%)}$

Candidate #8

χ^2/NDF = 49.58/136, RMSE = 0.7885, R2 = 0.9898



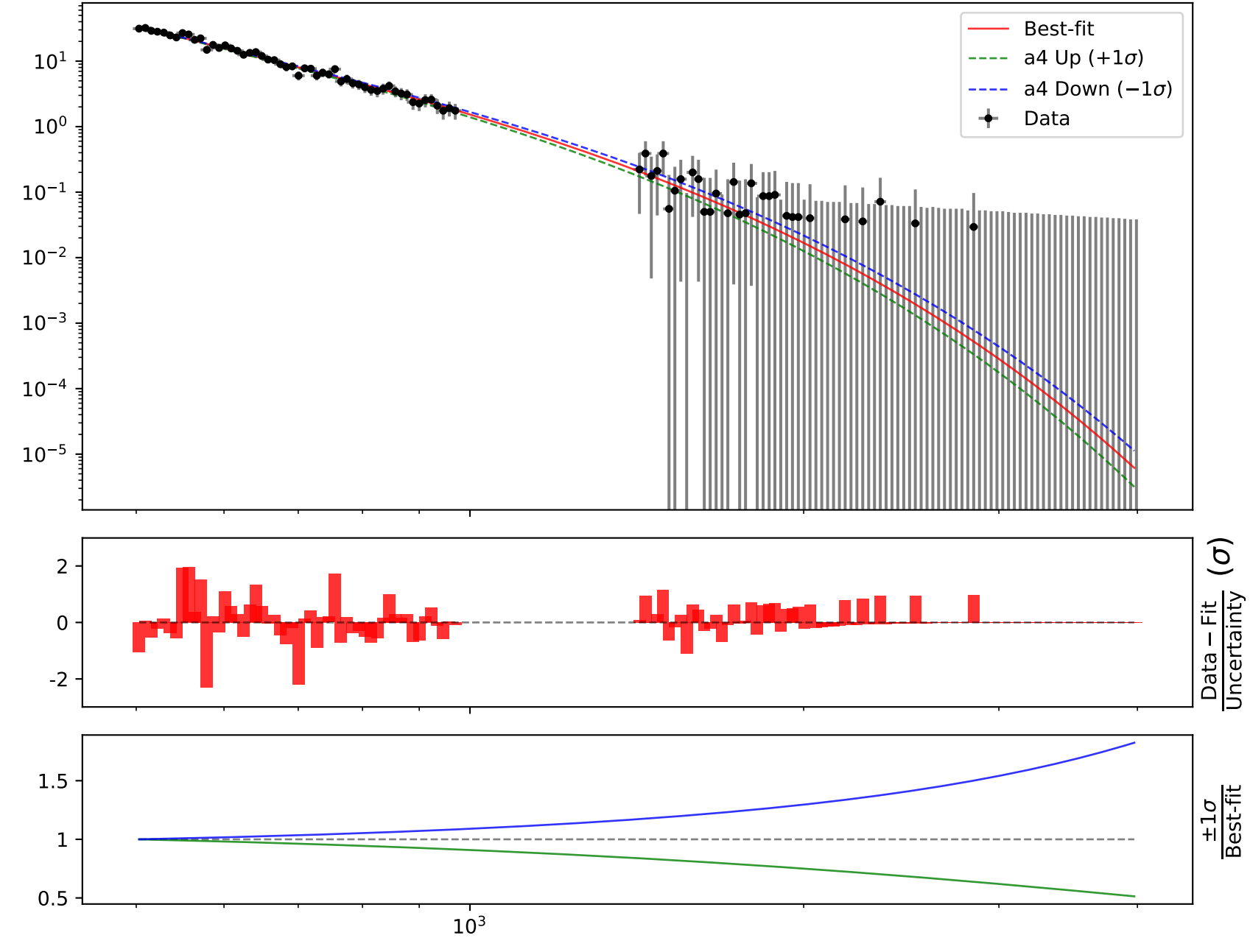
1.0*(a2**(a4*((x0 - 503.0) * 0.000286615))*a3/(a1 + ((x0 - 503.0) * 0.000286615)))

$a1 = 0.0533011^{+0.006476(12.1\%)}_{-0.005192(9.74\%)}$, $a2 = 0.0749$,

$a3 = 1.80911^{+0.1921(10.6\%)}_{-0.1534(8.48\%)}$, **$a4 = 4.86399^{+0.2583(5.31\%)}_{-0.2331(4.79\%)}$**

Candidate #8

χ^2/NDF = 49.58/136, RMSE = 0.7885, R2 = 0.9898



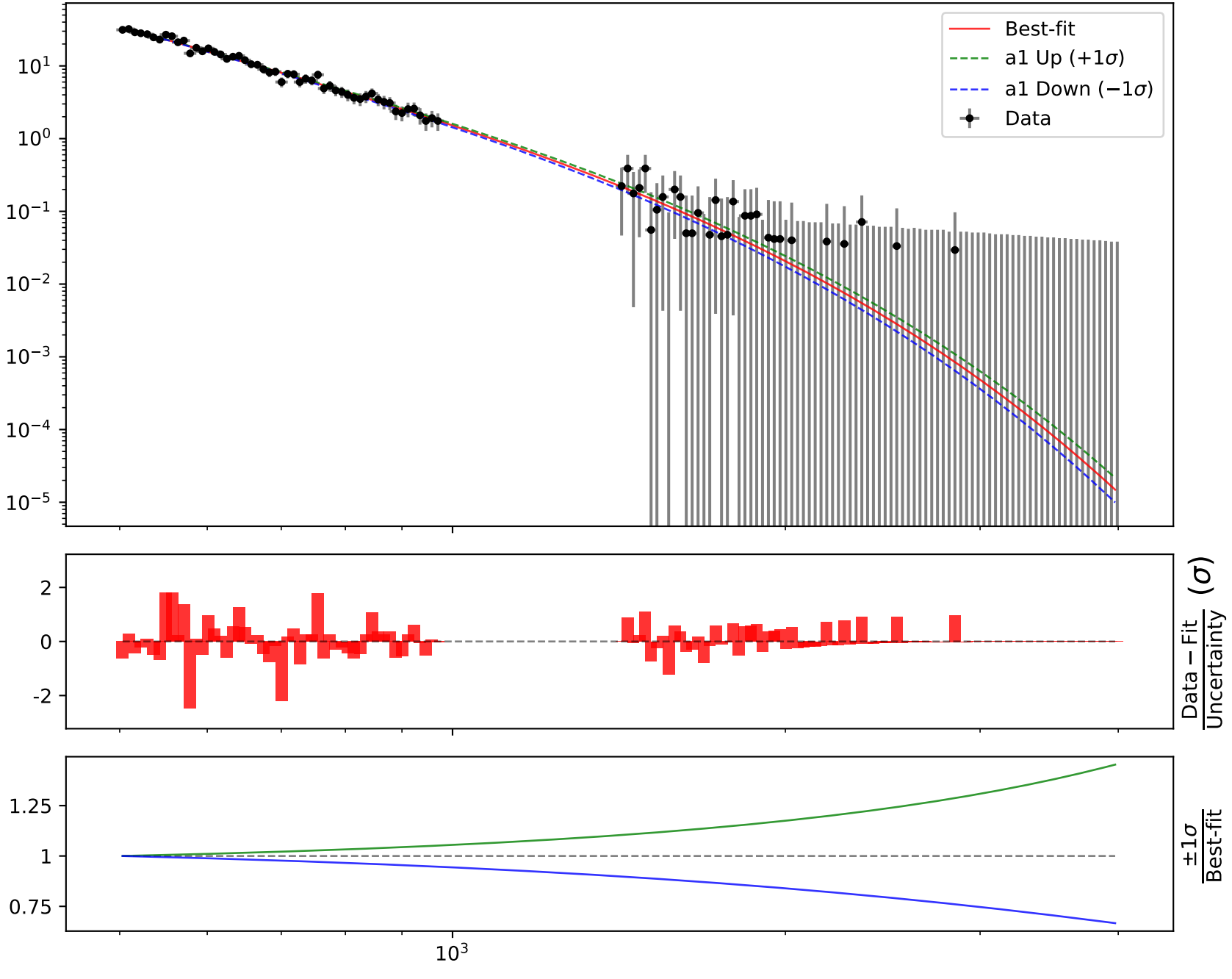
Candidate function #7

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

a1 = $0.00380078^{+0.0007857(20.7\%)}_{-0.0007007(18.4\%)}$, a2 = $0.0304162^{+0.0006367(2.09\%)}_{-0.0006253(2.06\%)}$,
a3 = $1.16002^{+0.02268(1.96\%)}_{-0.02078(1.79\%)}$

Candidate #7

χ^2/NDF = 47.03/136, RMSE = 0.7437, R2 = 0.9909



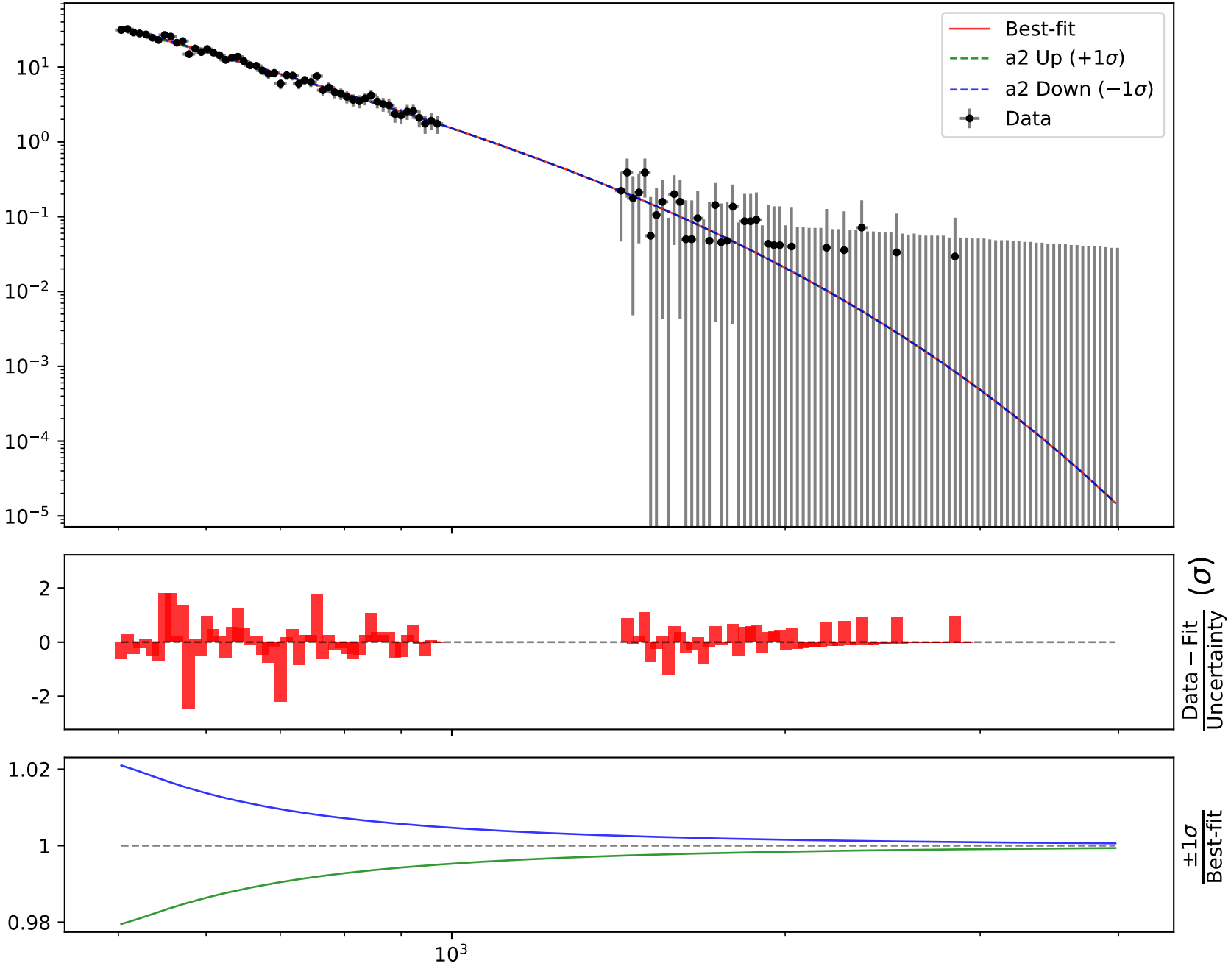
1.0*(a1**(2*((x0 - 503.0) * 0.000286615))/(a2 + ((x0 - 503.0) * 0.000286615)**a3))

$a1 = 0.00380078^{+0.0007857(20.7\%)}_{-0.0007007(18.4\%)}$, **$a2 = 0.0304162^{+0.0006367(2.09\%)}_{-0.0006253(2.06\%)}$**,

$a3 = 1.16002^{+0.02268(1.96\%)}_{-0.02078(1.79\%)}$

Candidate #7

χ^2/NDF = 47.03/136, RMSE = 0.7437, R2 = 0.9909



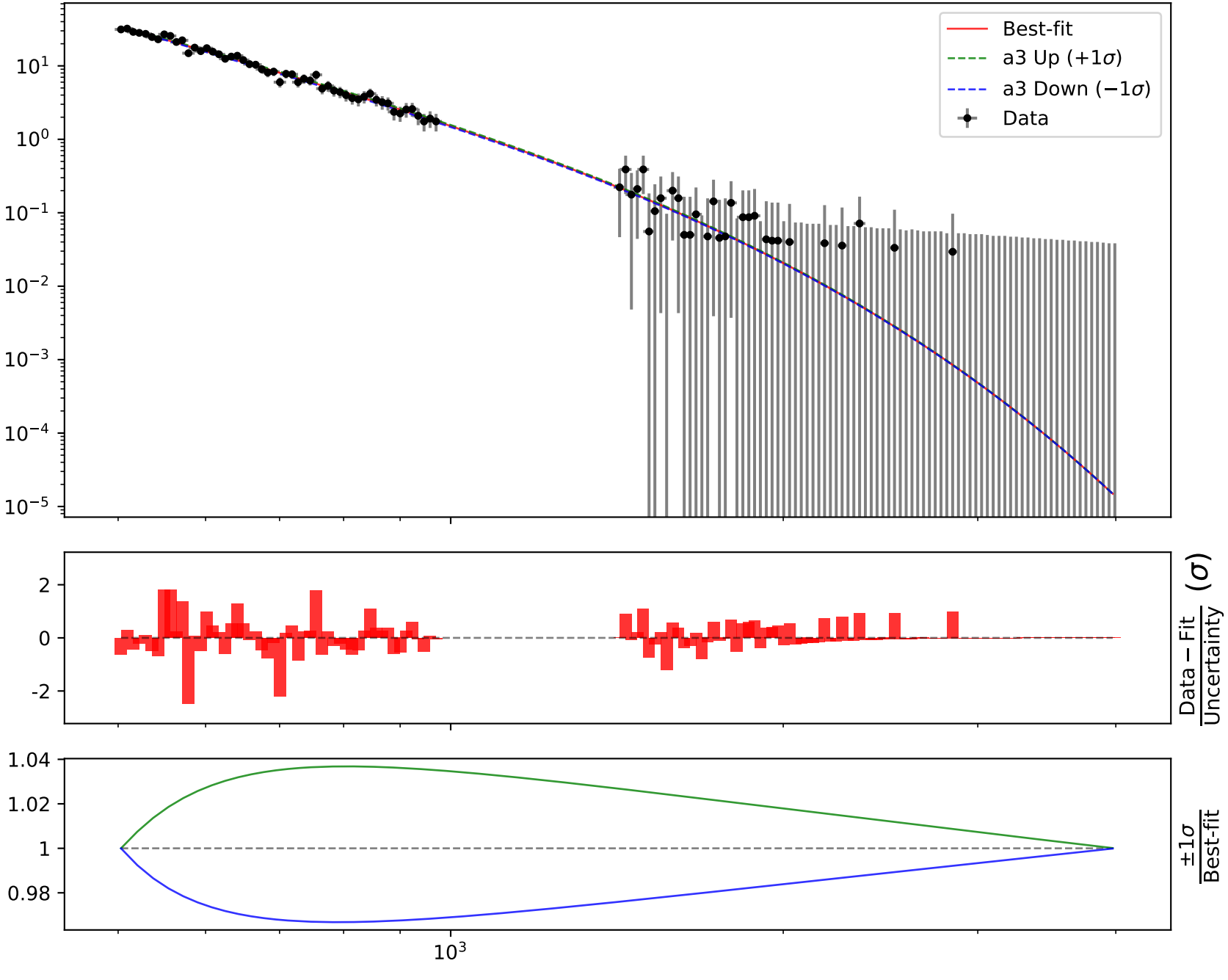
1.0*(a1**(2*((x0 - 503.0) * 0.000286615))/(a2 + ((x0 - 503.0) * 0.000286615)**a3))

$a1 = 0.00380078^{+0.0007857(20.7\%)}_{-0.0007007(18.4\%)}$, $a2 = 0.0304162^{+0.0006367(2.09\%)}_{-0.0006253(2.06\%)}$,

$a3 = 1.16002^{+0.02268(1.96\%)}_{-0.02078(1.79\%)}$

Candidate #7

χ^2/NDF = 47.03/136, RMSE = 0.7437, R2 = 0.9909



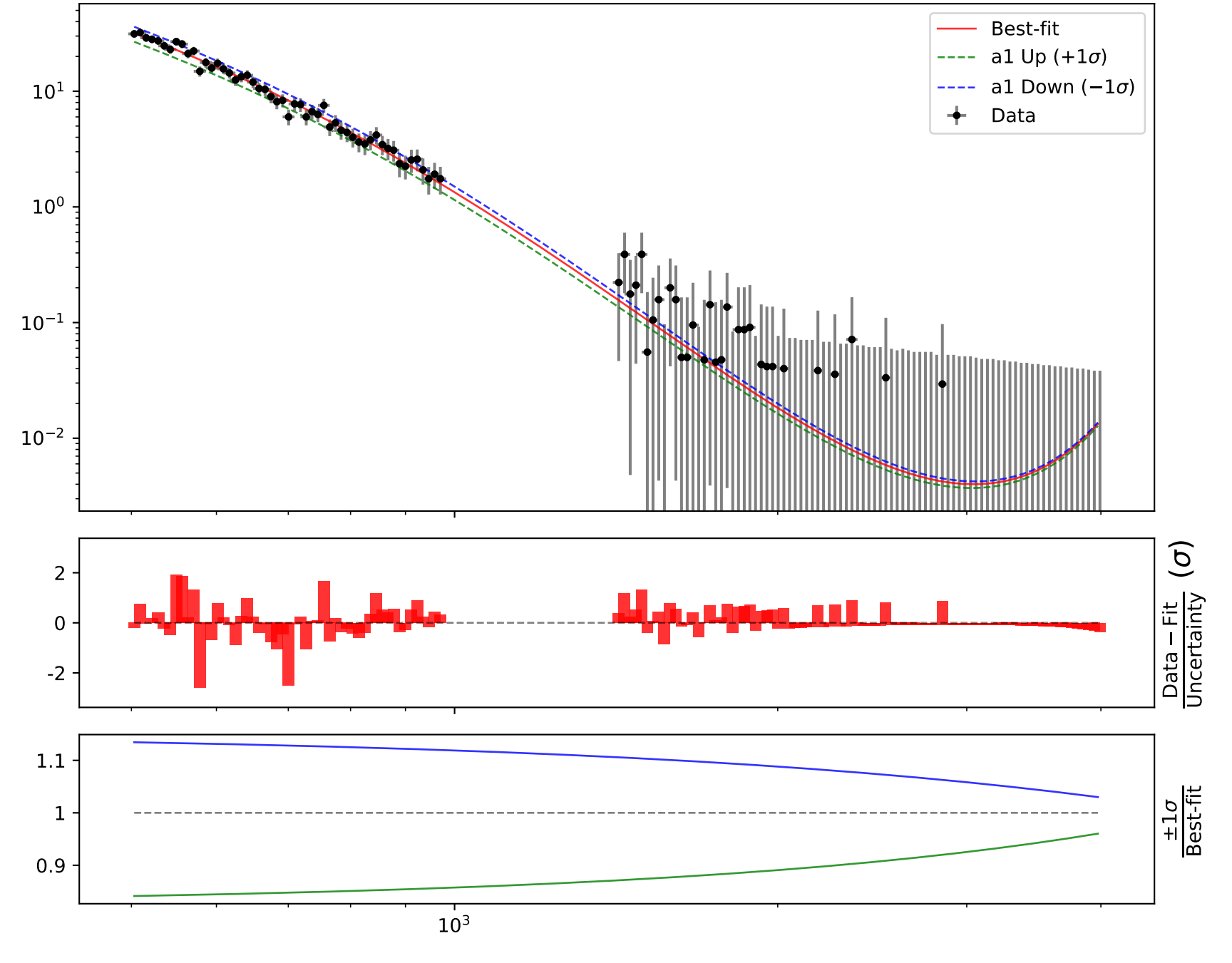
Candidate function #6

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

a1 = $-2.66194^{+0.1328(4.99\%)}_{-0.09709(3.65\%)}$, a2 = $0.272556^{+0.01229(4.51\%)}_{-0.01761(6.46\%)}$,
a3 = $16.9152^{+0.6864(4.06\%)}_{-0.8656(5.12\%)}$

Candidate #6

χ^2/NDF = 51.9/136, RMSE = 0.7561, R2 = 0.9906

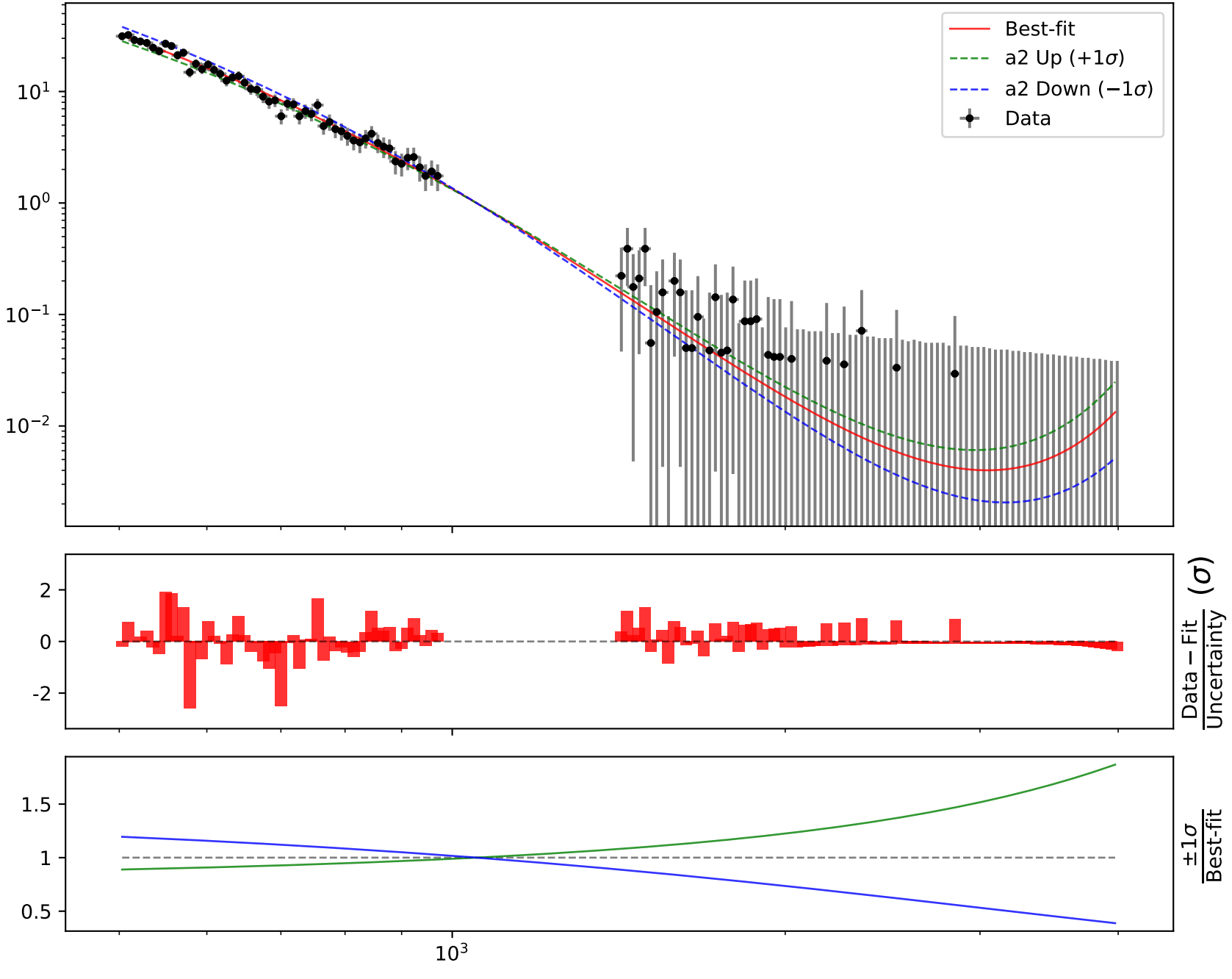


1.0*((a2*exp(((x0 - 503.0) * 0.000286615)))**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -2.66194^{+0.1328(4.99\%)}_{-0.09709(3.65\%)}$, **$a2 = 0.272556^{+0.01229(4.51\%)}_{-0.01761(6.46\%)}$**,
$a3 = 16.9152^{+0.6864(4.06\%)}_{-0.8656(5.12\%)}$

Candidate #6

χ^2/NDF = 51.9/136, RMSE = 0.7561, R2 = 0.9906



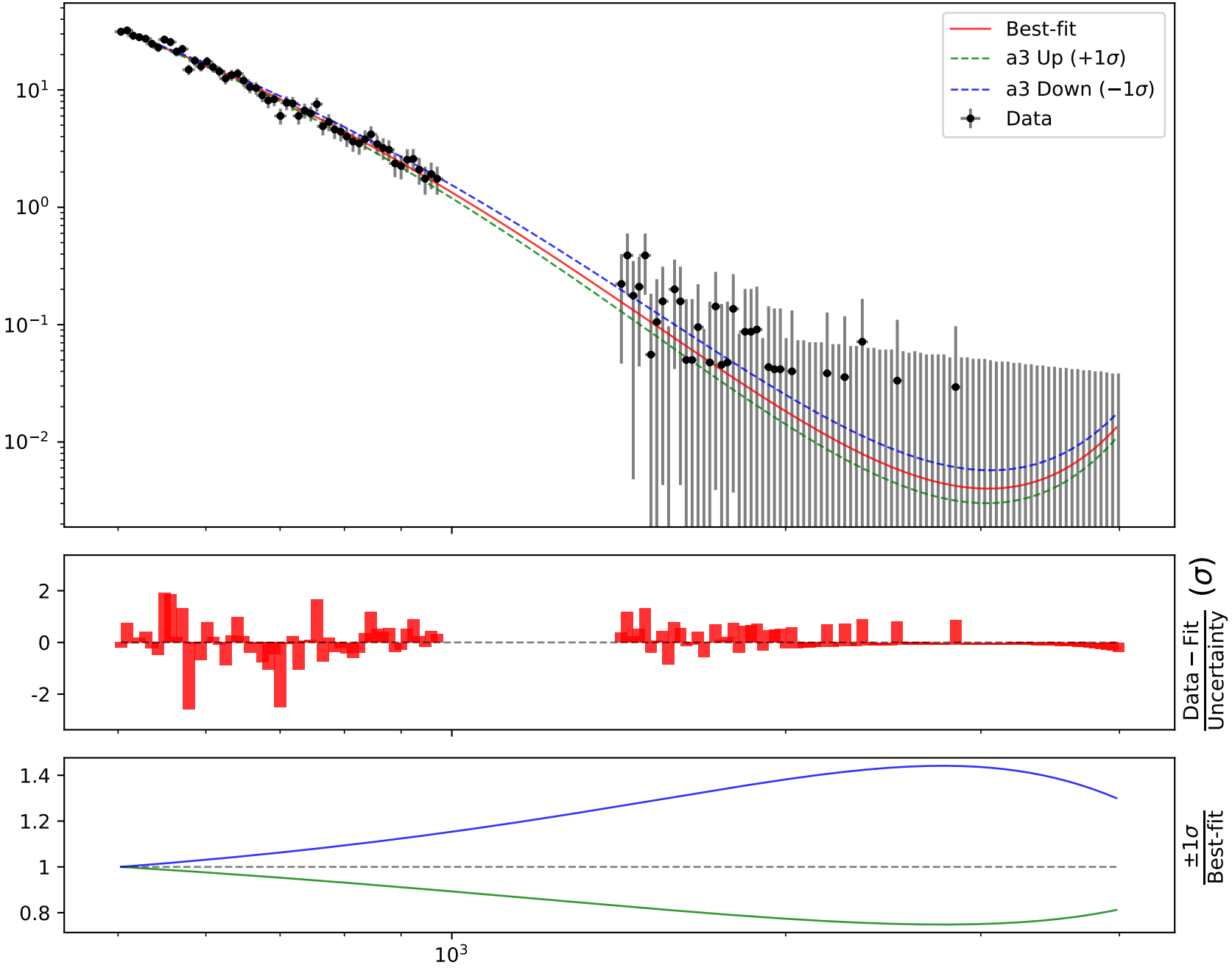
1.0*((a2*exp(((x0 - 503.0) * 0.000286615)))**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -2.66194^{+0.1328(4.99\%)}_{-0.09709(3.65\%)}$, $a2 = 0.272556^{+0.01229(4.51\%)}_{-0.01761(6.46\%)}$,

$a3 = 16.9152^{+0.6864(4.06\%)}_{-0.8656(5.12\%)}$

Candidate #6

χ^2/NDF = 51.9/136, RMSE = 0.7561, R2 = 0.9906



Candidate function #5

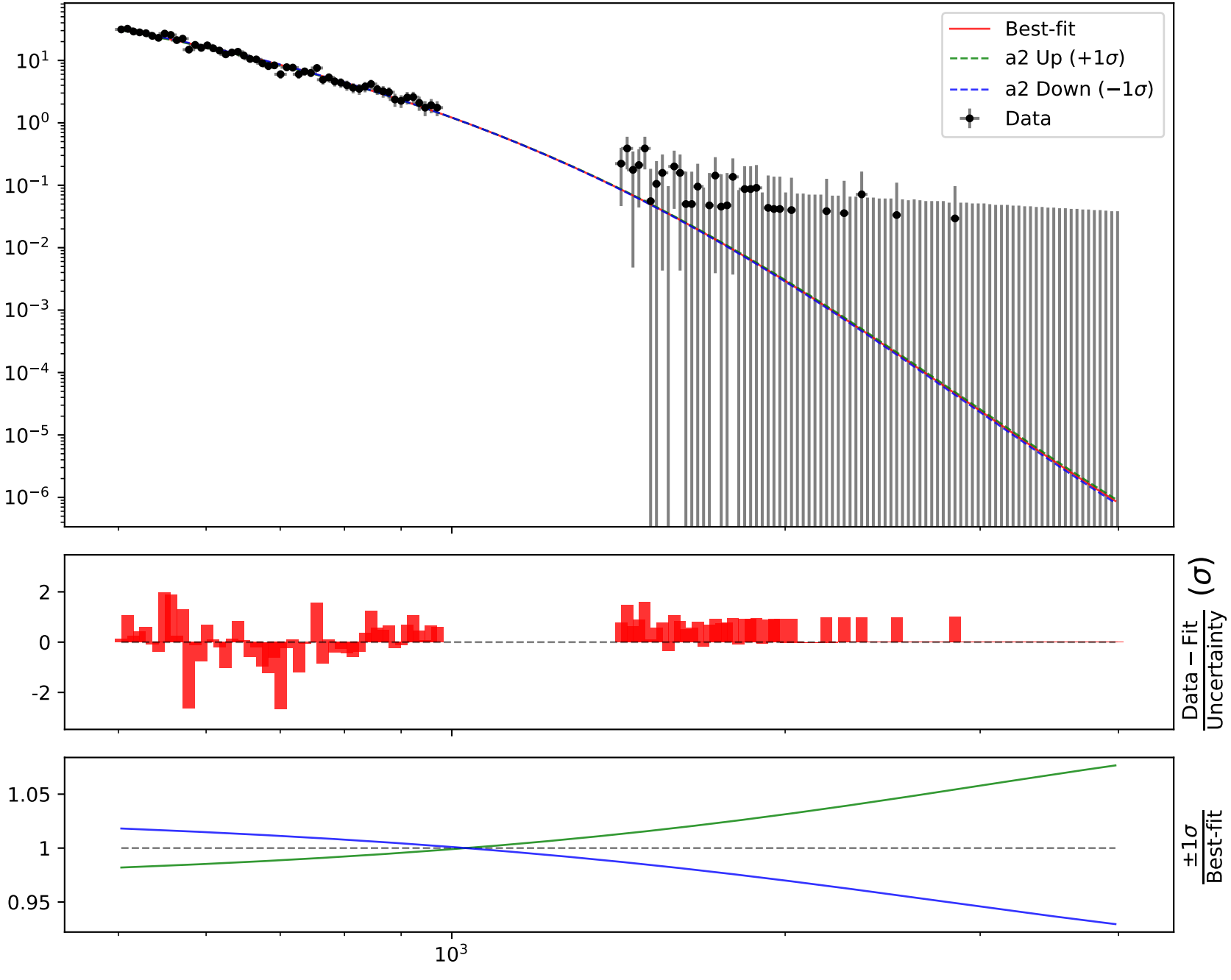
1.0*(a2**(a1 + a3*tanh(((x0 - 503.0) * 0.000286615))))

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

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

Candidate #5

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



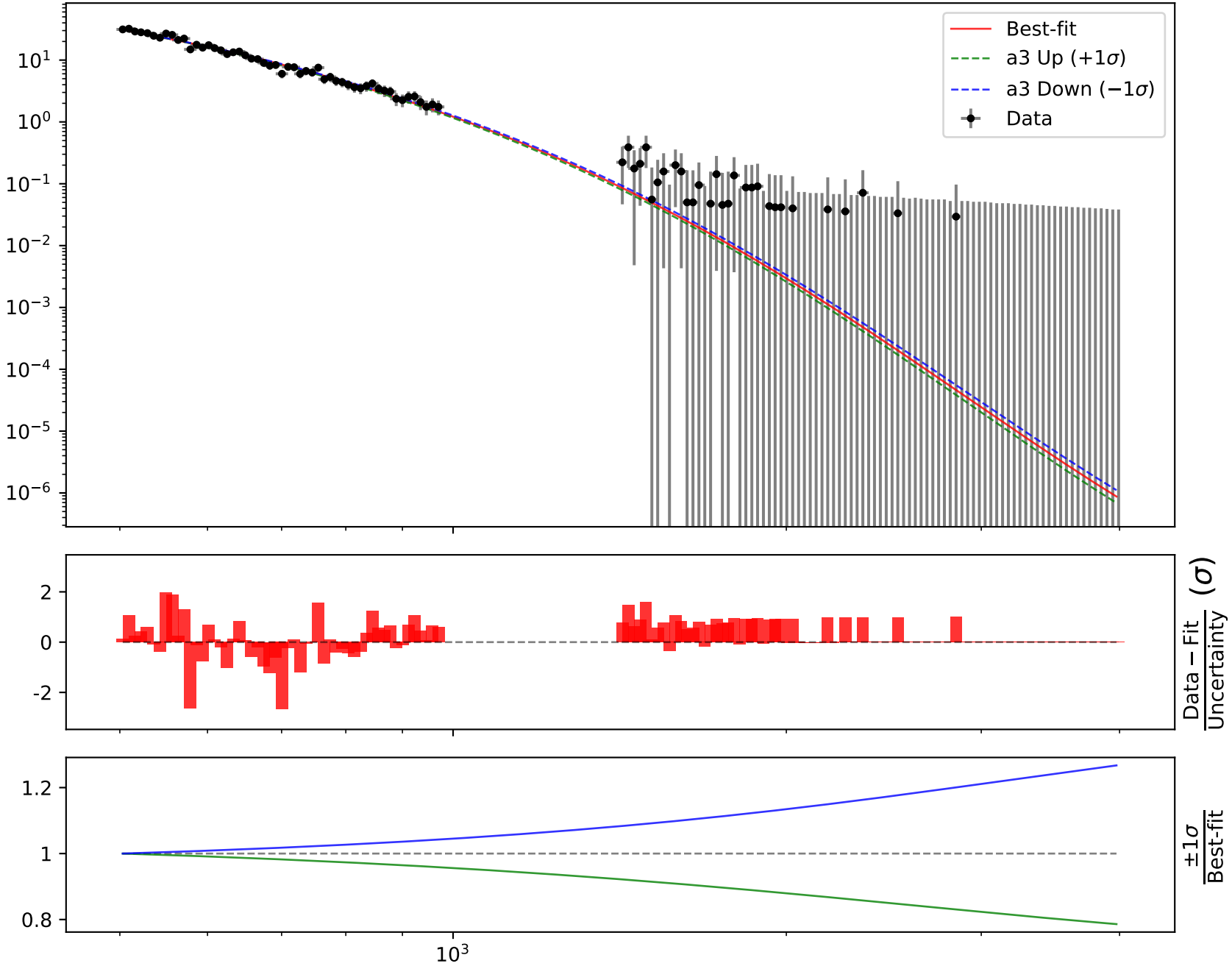
1.0*(a2**(a1 + a3*tanh(((x0 - 503.0) * 0.000286615))))

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

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

Candidate #5

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



Candidate function #4

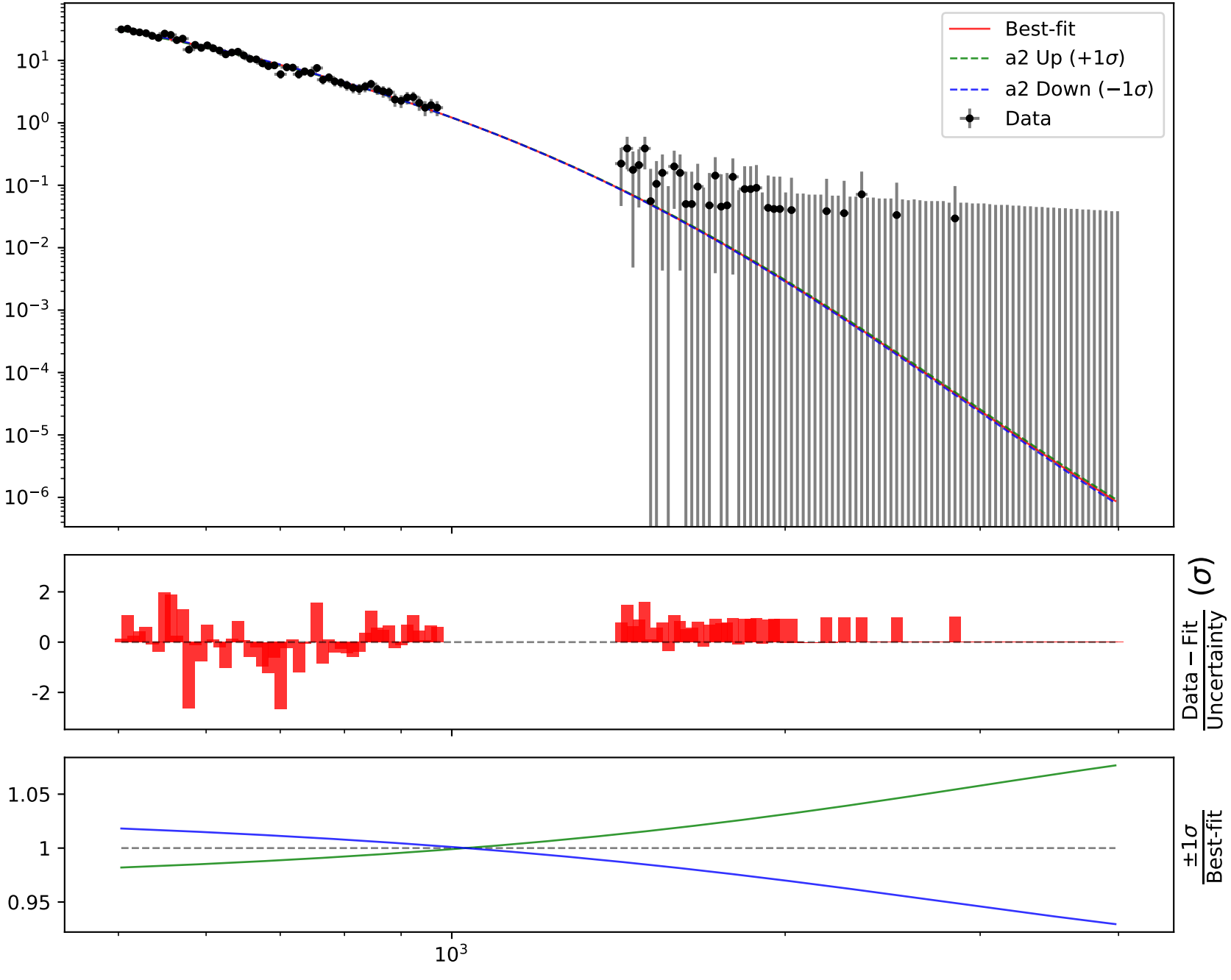
1.0*(a2**(a1 + a3*tanh(((x0 - 503.0) * 0.000286615))))

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

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

Candidate #4

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



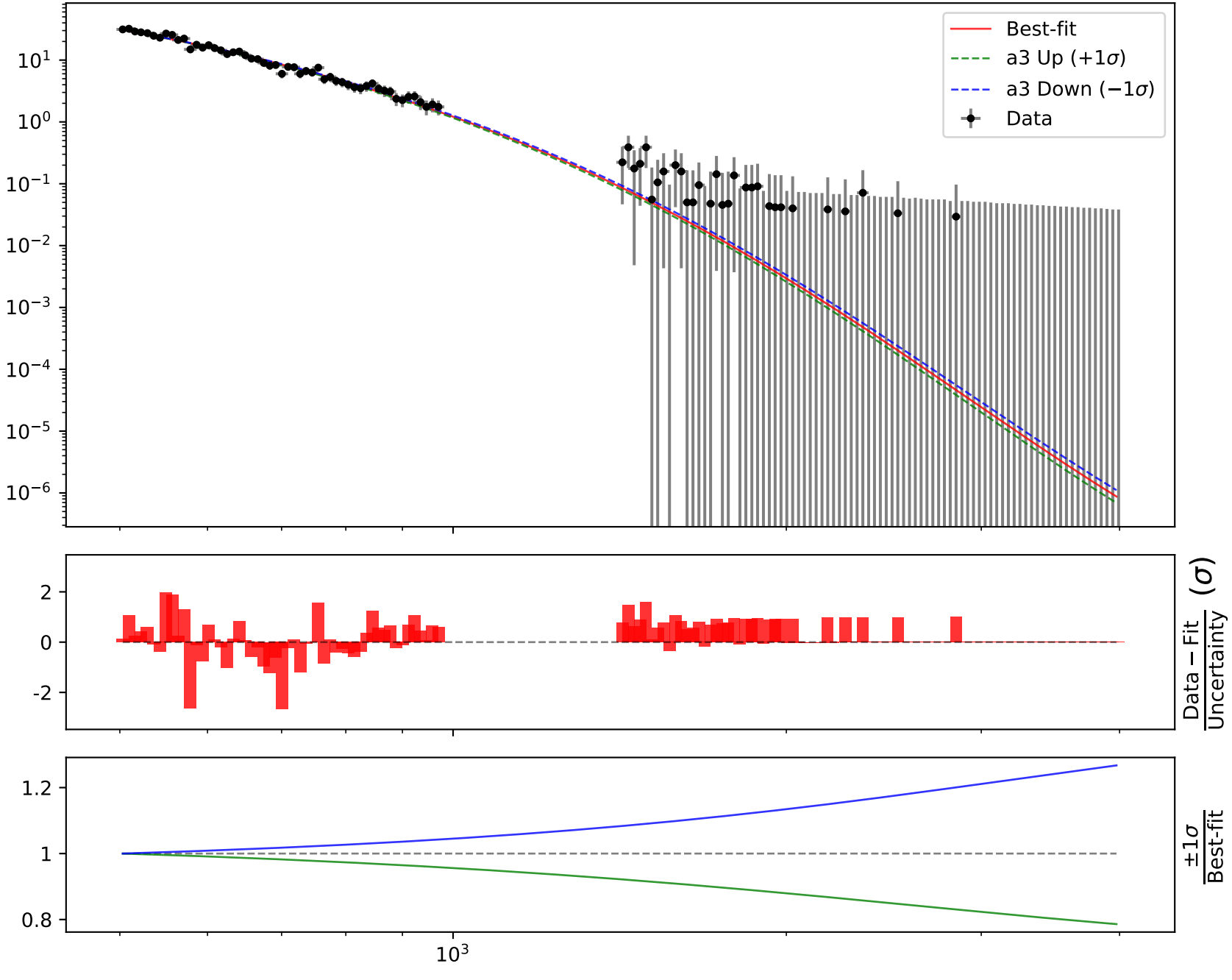
1.0*(a2**(a1 + a3*tanh(((x0 - 503.0) * 0.000286615))))

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

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

Candidate #4

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



Candidate function #3

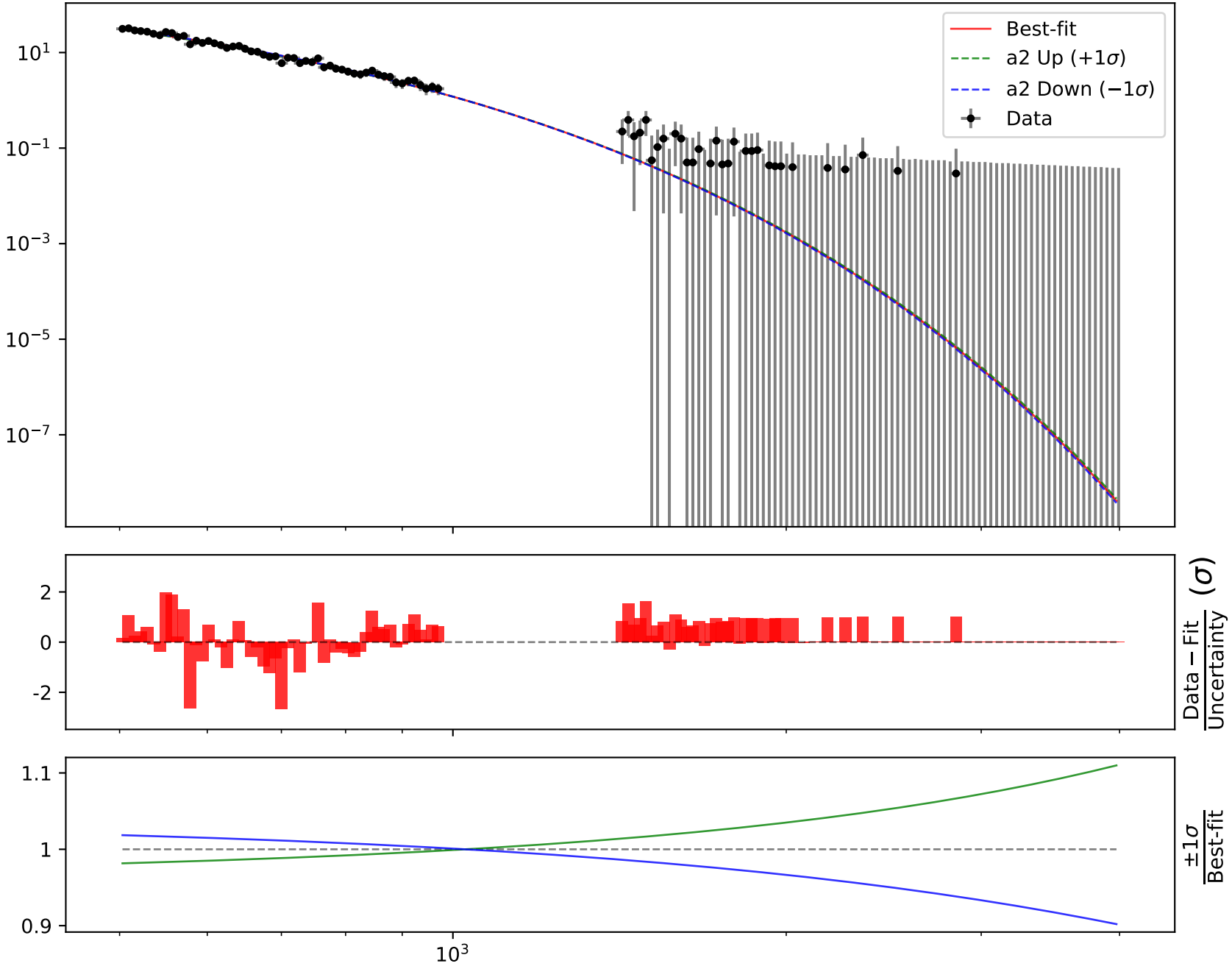
1.0*(a2**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -1.29$, $\mathbf{a2 = 0.0698646^{+0.001011(1.45\%)}_{-0.0009861(1.41\%)}}$,

$a3 = 8.5859^{+0.1219(1.42\%)}_{-0.12(1.4\%)}$

Candidate #3

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



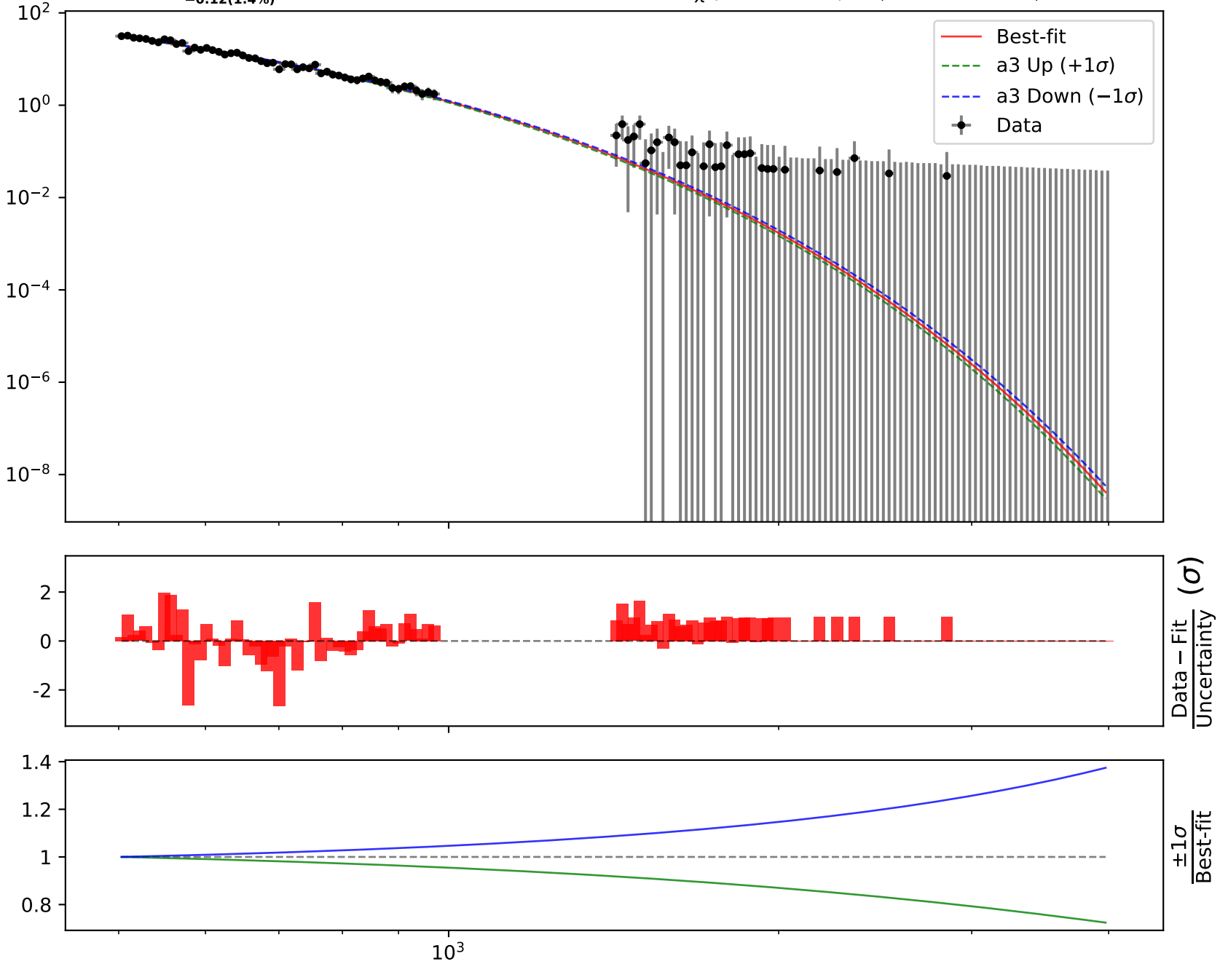
1.0*(a2**(a1 + a3*((x0 - 503.0) * 0.000286615)))

$a1 = -1.29,\ a2 = 0.0698646^{+0.001011(1.45\%)}_{-0.0009861(1.41\%)},$

$a3 = 8.5859^{+0.1219(1.42\%)}_{-0.12(1.4\%)}$

Candidate #3

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



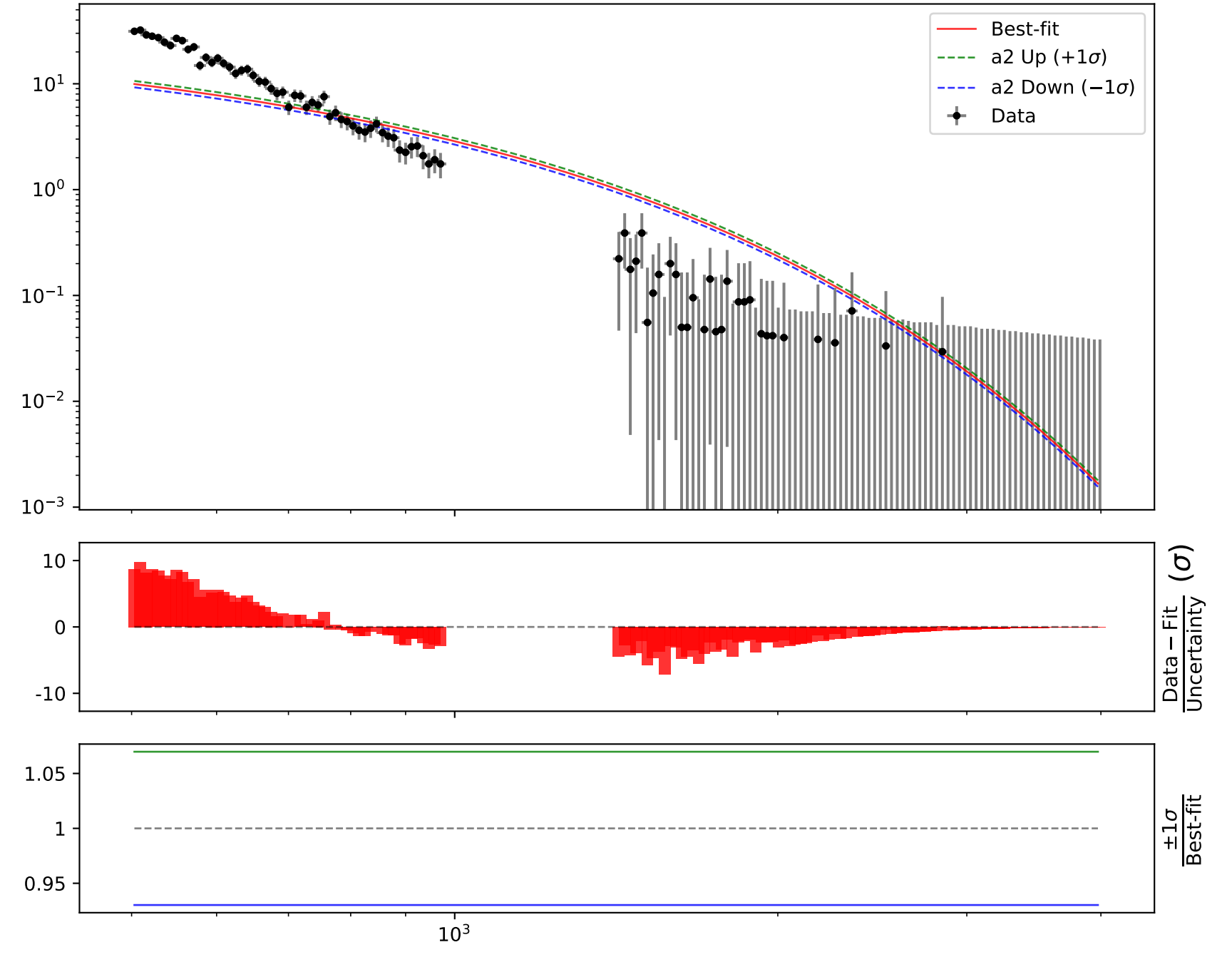
Candidate function #2

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

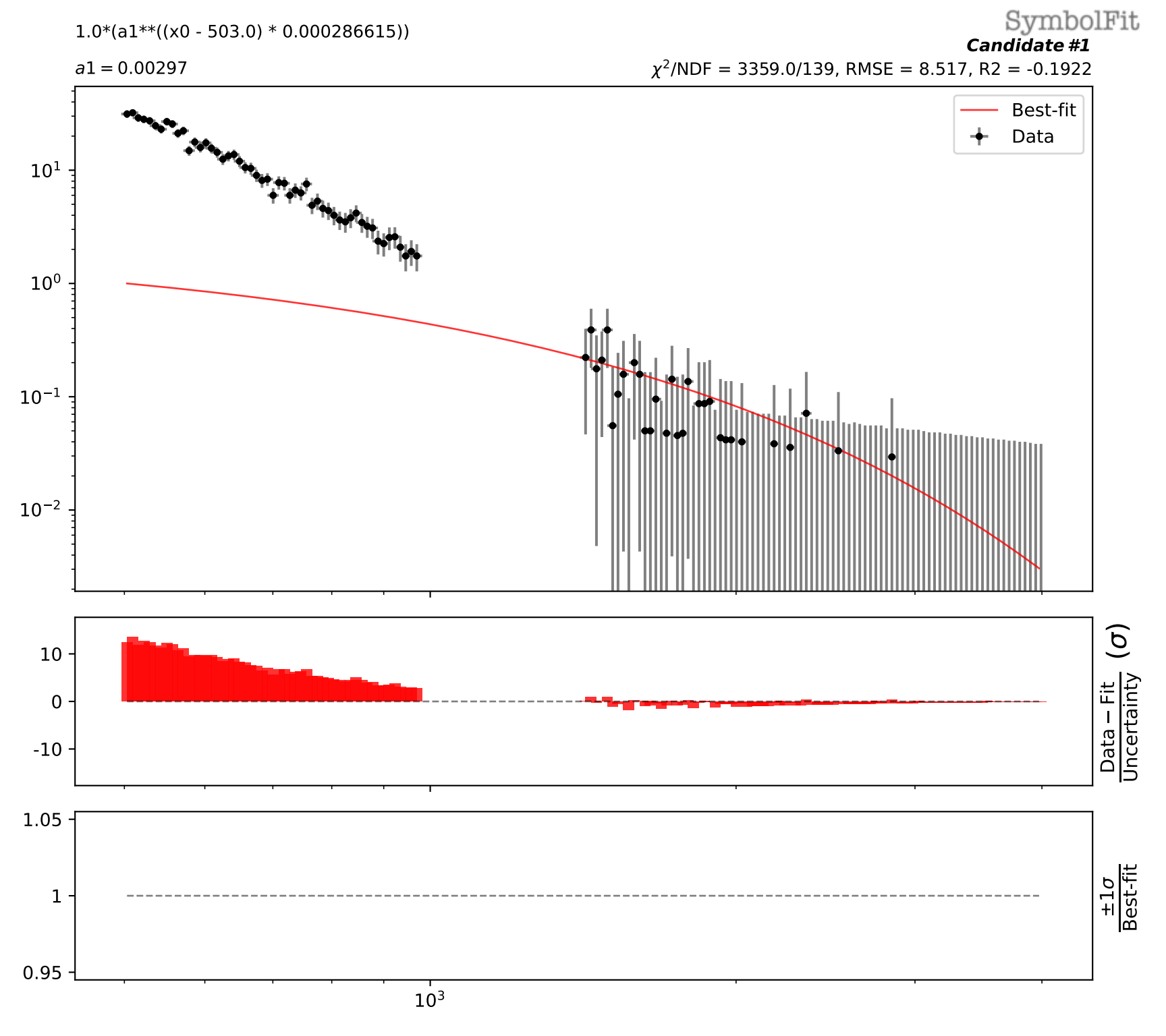
$a1 = 0.000161$, $\mathbf{a2 = 9.94538^{+0.694(6.98\%)}_{-0.694(6.98\%)}}$

Candidate #2

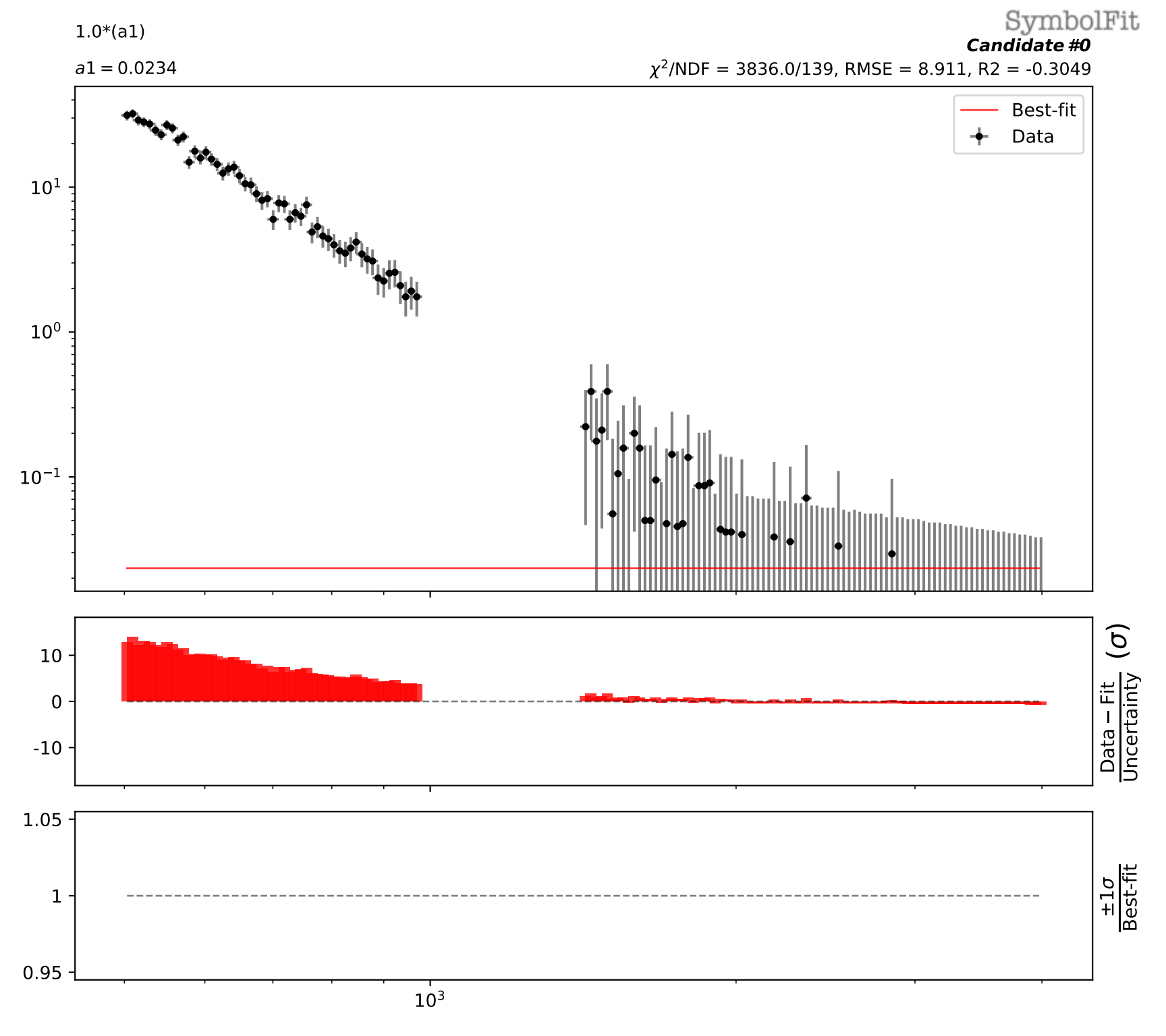
χ^2/NDF = 1545.0/138, RMSE = 5.384, R2 = 0.5236



Candidate function #1


1.0*(a1**((x0 - 503.0) * 0.000286615))
SymbolFit
Candidate #1
a1 = 0.00297
χ²/NDF = 3359.0/139, RMSE = 8.517, R2 = -0.1922
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