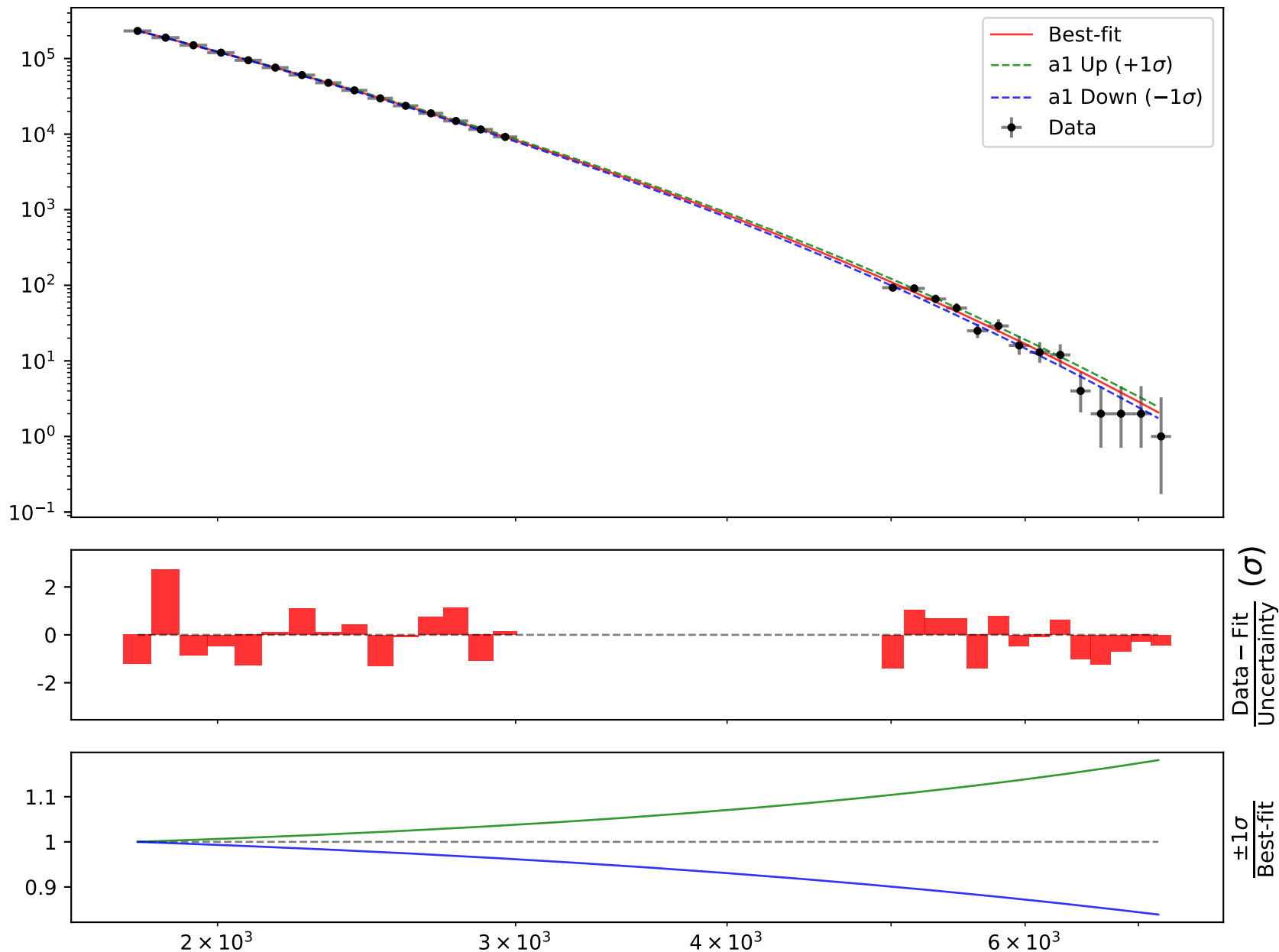


Candidate function #16

$$38458.1 * ((a1 * \exp(((x0 - 1794.0) * 0.000184332))) ** ((x0 - 1794.0) * 0.000184332) / (a2 + a4 * ((x0 - 1794.0) * 0.000184332) ** a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 4.87518e-05^{+8.879e-06(18.2\%)}_{-7.891e-06(16.2\%)}, \quad a2 = 0.165504^{+0.0003305(0.2\%)}_{-0.0003301(0.199\%)},$$

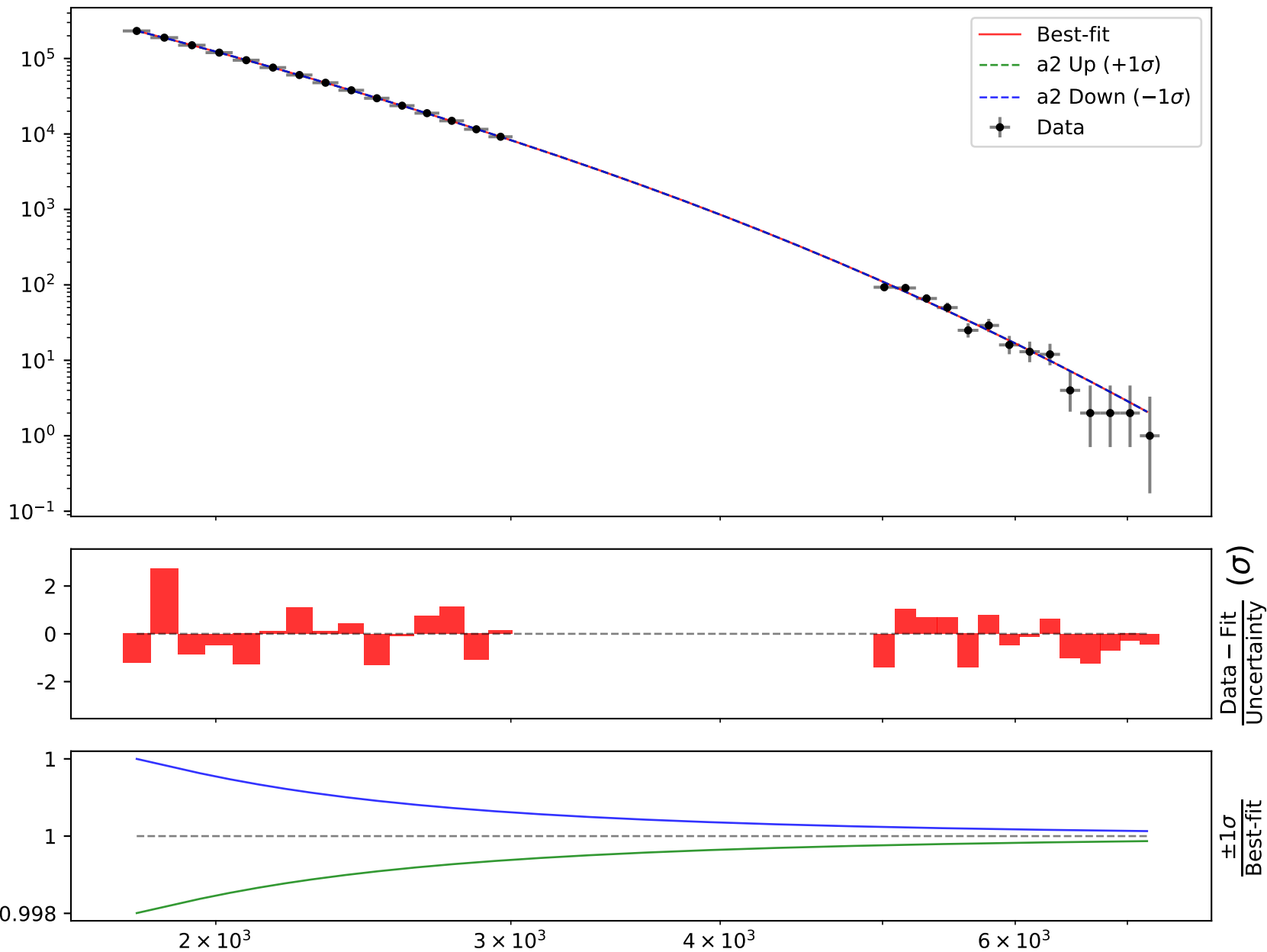
$$a3 = 1.4871^{+0.02974(2.0\%)}_{-0.03207(2.16\%)}, \quad a4 = 1.39777^{+0.2346(16.8\%)}_{-0.2273(16.3\%)}$$

**Candidate #16** $\chi^2/\text{NDF} = 28.17/25$ , RMSE = 276.5, R2 = 1.0

$$38458.1 * ((a1 * \exp(((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332) / (a2 + a4 * ((x0 - 1794.0) * 0.000184332)) * a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 4.87518e-05^{+8.879e-06(18.2\%)}_{-7.891e-06(16.2\%)}, \quad a2 = 0.165504^{+0.0003305(0.2\%)}_{-0.0003301(0.199\%)},$$

$$a3 = 1.4871^{+0.02974(2.0\%)}_{-0.03207(2.16\%)}, \quad a4 = 1.39777^{+0.2346(16.8\%)}_{-0.2273(16.3\%)}$$

**Candidate #16** $\chi^2/\text{NDF} = 28.17/25$ , RMSE = 276.5, R2 = 1.0

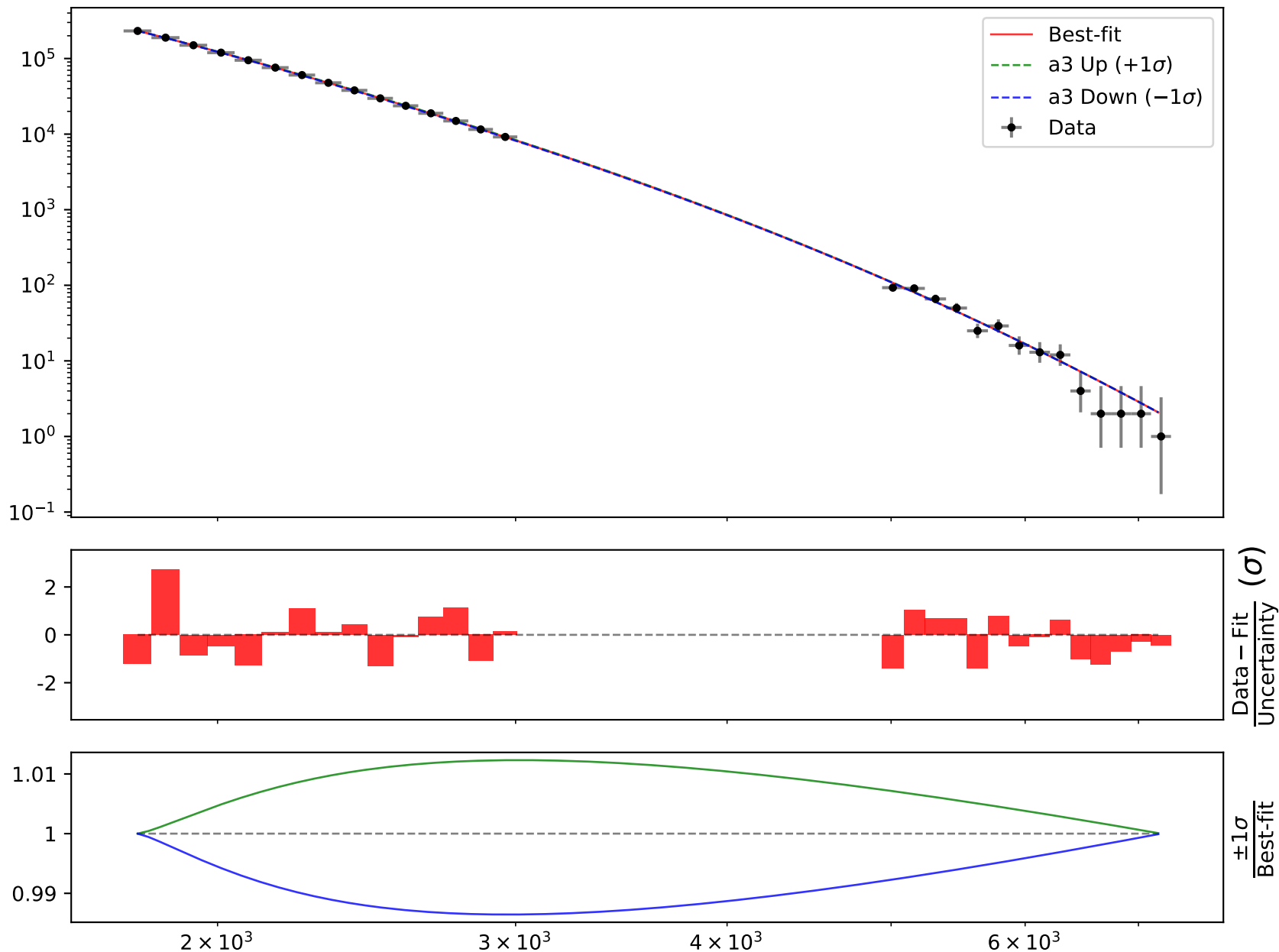
$$38458.1 * ((a1 * \exp(((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332) / (a2 + a4 * ((x0 - 1794.0) * 0.000184332) * a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 4.87518e-05^{+8.879e-06(18.2\%)}_{-7.891e-06(16.2\%)}, a2 = 0.165504^{+0.0003305(0.2\%)}_{-0.0003301(0.199\%)},$$

$$a3 = 1.4871^{+0.02974(2.0\%)}_{-0.03207(2.16\%)}, a4 = 1.39777^{+0.2346(16.8\%)}_{-0.2273(16.3\%)}$$

**Candidate #16**

$$\chi^2/\text{NDF} = 28.17/25, \text{RMSE} = 276.5, \text{R2} = 1.0$$



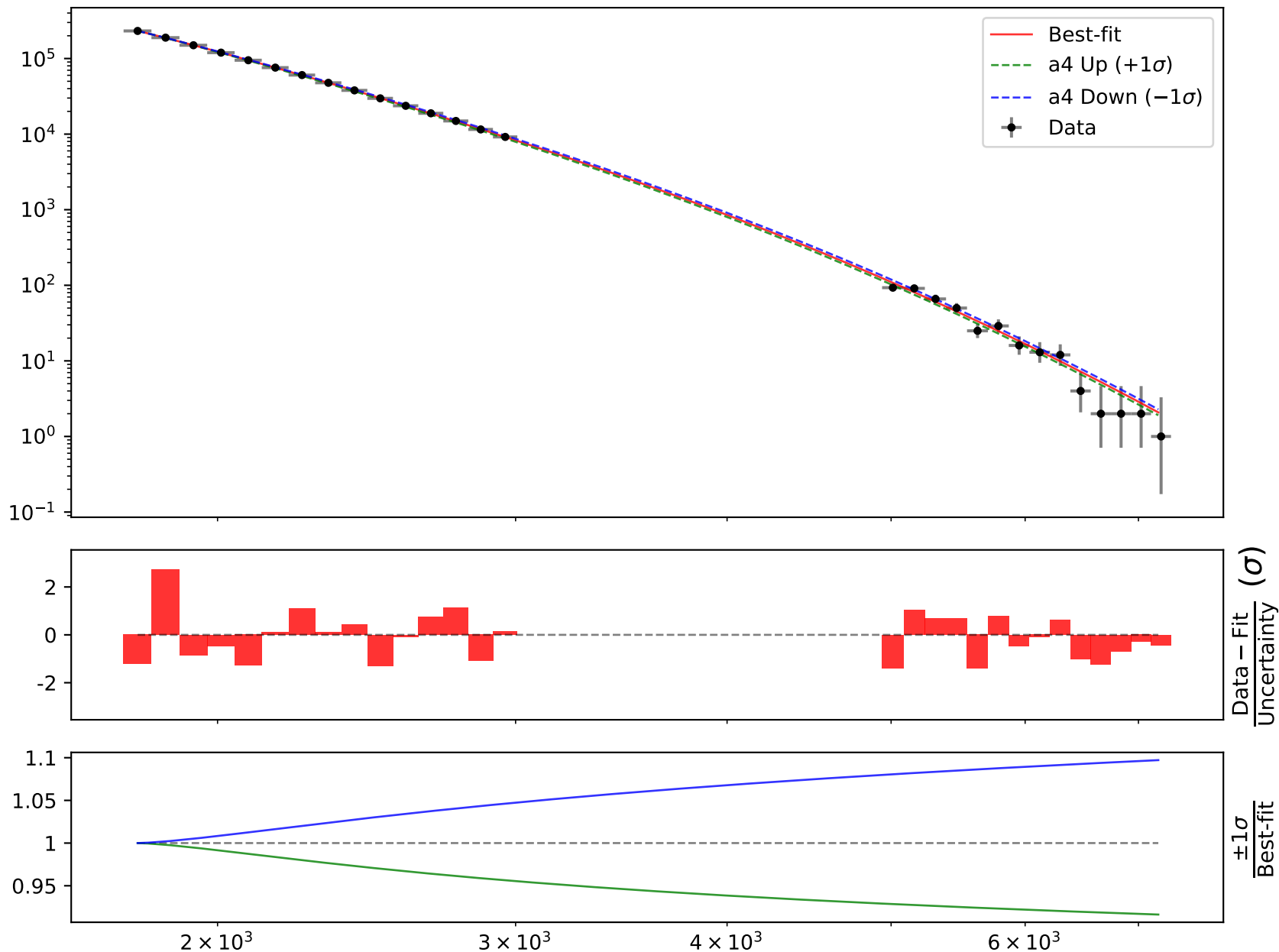
$$38458.1 * ((a1 * \exp(((x0 - 1794.0) * 0.000184332))) ** ((x0 - 1794.0) * 0.000184332) / (a2 + a4 * ((x0 - 1794.0) * 0.000184332) ** a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 4.87518e-05^{+8.879e-06(18.2\%)}_{-7.891e-06(16.2\%)}, \quad a2 = 0.165504^{+0.0003305(0.2\%)}_{-0.0003301(0.199\%)},$$

$$a3 = 1.4871^{+0.02974(2.0\%)}_{-0.03207(2.16\%)}, \quad \mathbf{a4 = 1.39777^{+0.2346(16.8\%)}_{-0.2273(16.3\%)}}$$

**Candidate #16**

$$\chi^2/\text{NDF} = 28.17/25, \text{ RMSE} = 276.5, \text{ R}^2 = 1.0$$

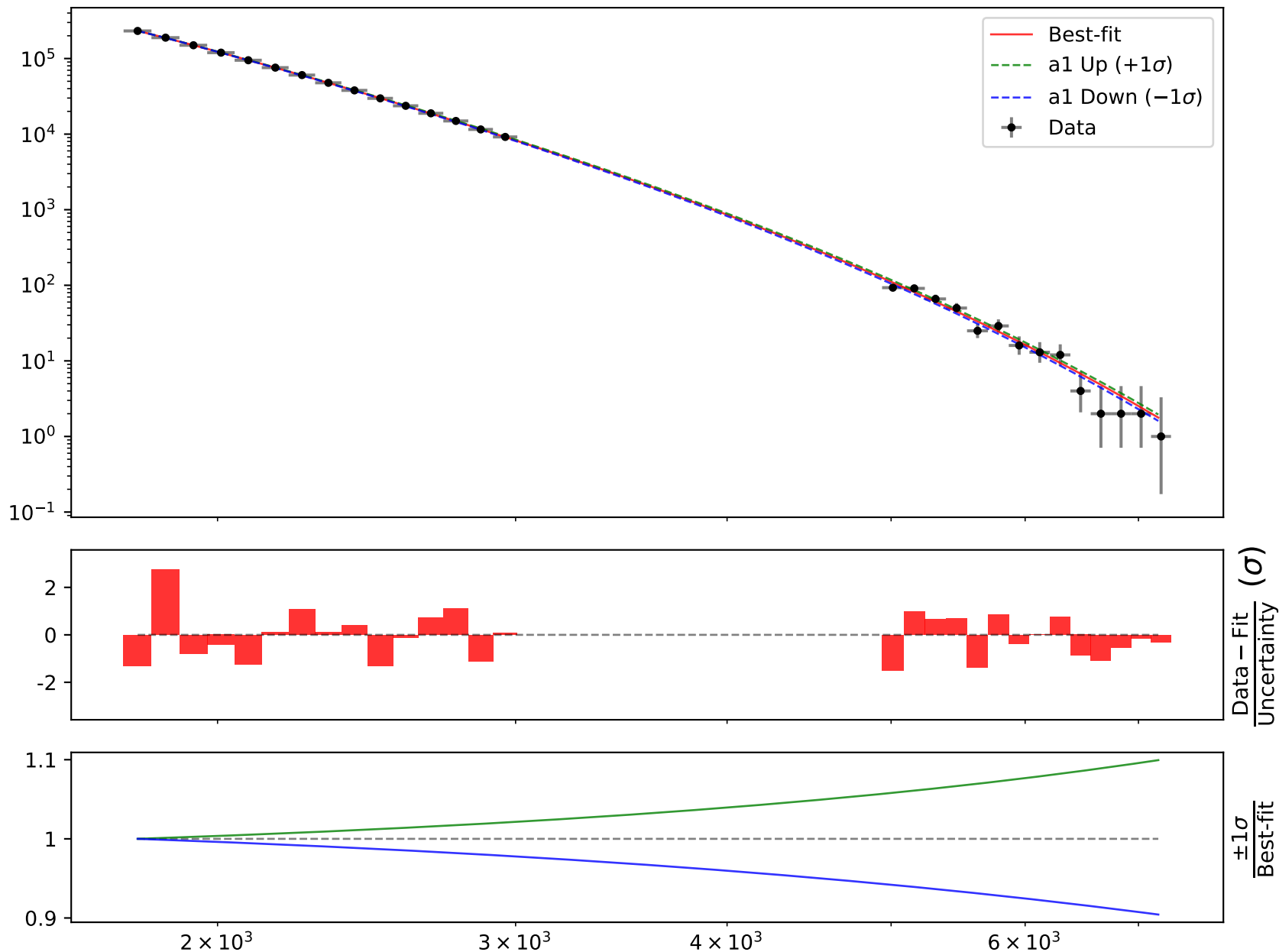


Candidate function #15

$$38458.1 * (a1 * ((x0 - 1794.0) * 0.000184332) / (a2 + \tanh(a4 * ((x0 - 1794.0) * 0.000184332)) * a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 5.02549e-05^{+5.024e-06(10.0\%)}_{-4.831e-06(9.61\%)}, \quad a2 = 0.165475^{+0.0003124(0.189\%)}_{-0.0003127(0.189\%)},$$

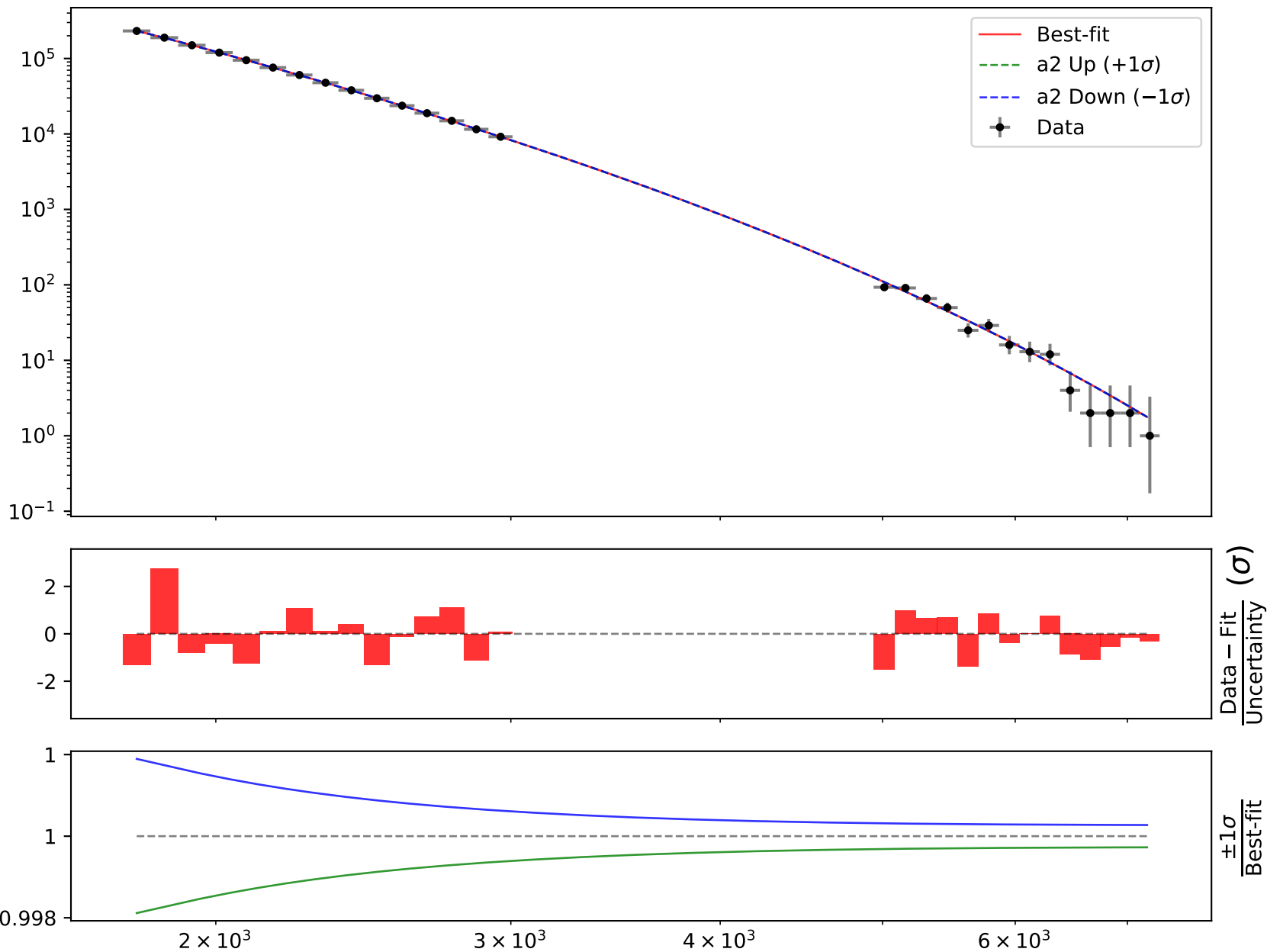
$$a3 = 1.45654^{+0.03075(2.11\%)}_{-0.03172(2.18\%)}, \quad a4 = 1.2695^{+0.1509(11.9\%)}_{-0.1476(11.6\%)}$$

**Candidate #15** $\chi^2/\text{NDF} = 27.52/25$ , RMSE = 279.3, R2 = 1.0

$$38458.1 * (a1 * ((x0 - 1794.0) * 0.000184332) / (a2 + \tanh(a4 * ((x0 - 1794.0) * 0.000184332)) * a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 5.02549e-05^{+5.024e-06(10.0\%)}_{-4.831e-06(9.61\%)}, \quad a2 = \mathbf{0.165475}^{+0.0003124(0.189\%)}_{-0.0003127(0.189\%)},$$

$$a3 = 1.45654^{+0.03075(2.11\%)}_{-0.03172(2.18\%)}, \quad a4 = 1.2695^{+0.1509(11.9\%)}_{-0.1476(11.6\%)}$$

**Candidate #15** $\chi^2/\text{NDF} = 27.52/25$ , RMSE = 279.3, R2 = 1.0



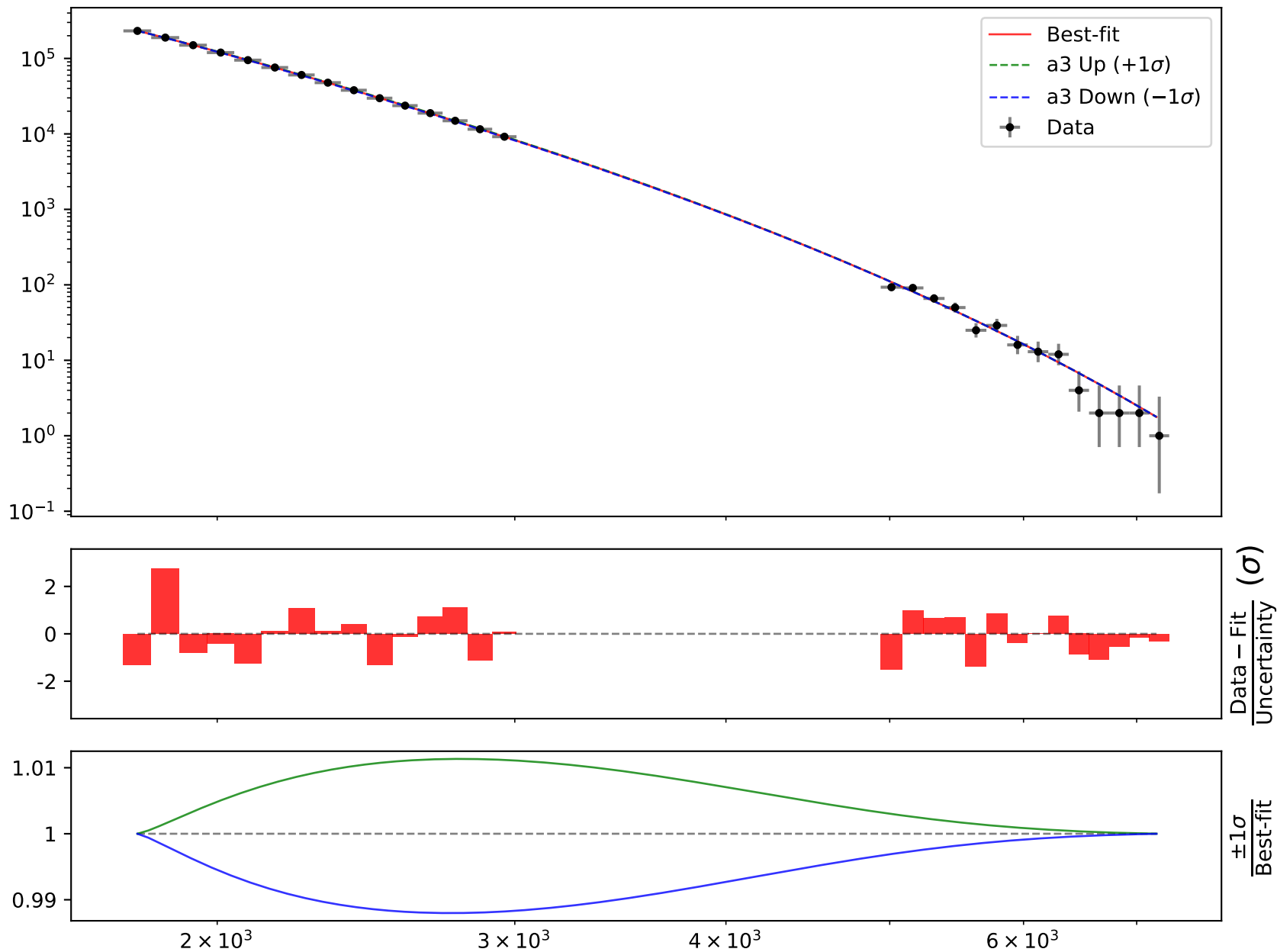
$$38458.1 * (a1 * ((x0 - 1794.0) * 0.000184332) / (a2 + \tanh(a4 * ((x0 - 1794.0) * 0.000184332)) * a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 5.02549e-05^{+5.024e-06(10.0\%)}_{-4.831e-06(9.61\%)}, \quad a2 = 0.165475^{+0.0003124(0.189\%)}_{-0.0003127(0.189\%)},$$

$$a3 = 1.45654^{+0.03075(2.11\%)}_{-0.03172(2.18\%)}, \quad a4 = 1.2695^{+0.1509(11.9\%)}_{-0.1476(11.6\%)}$$

**Candidate #15**

$$\chi^2/\text{NDF} = 27.52/25, \text{ RMSE} = 279.3, \text{ R}^2 = 1.0$$



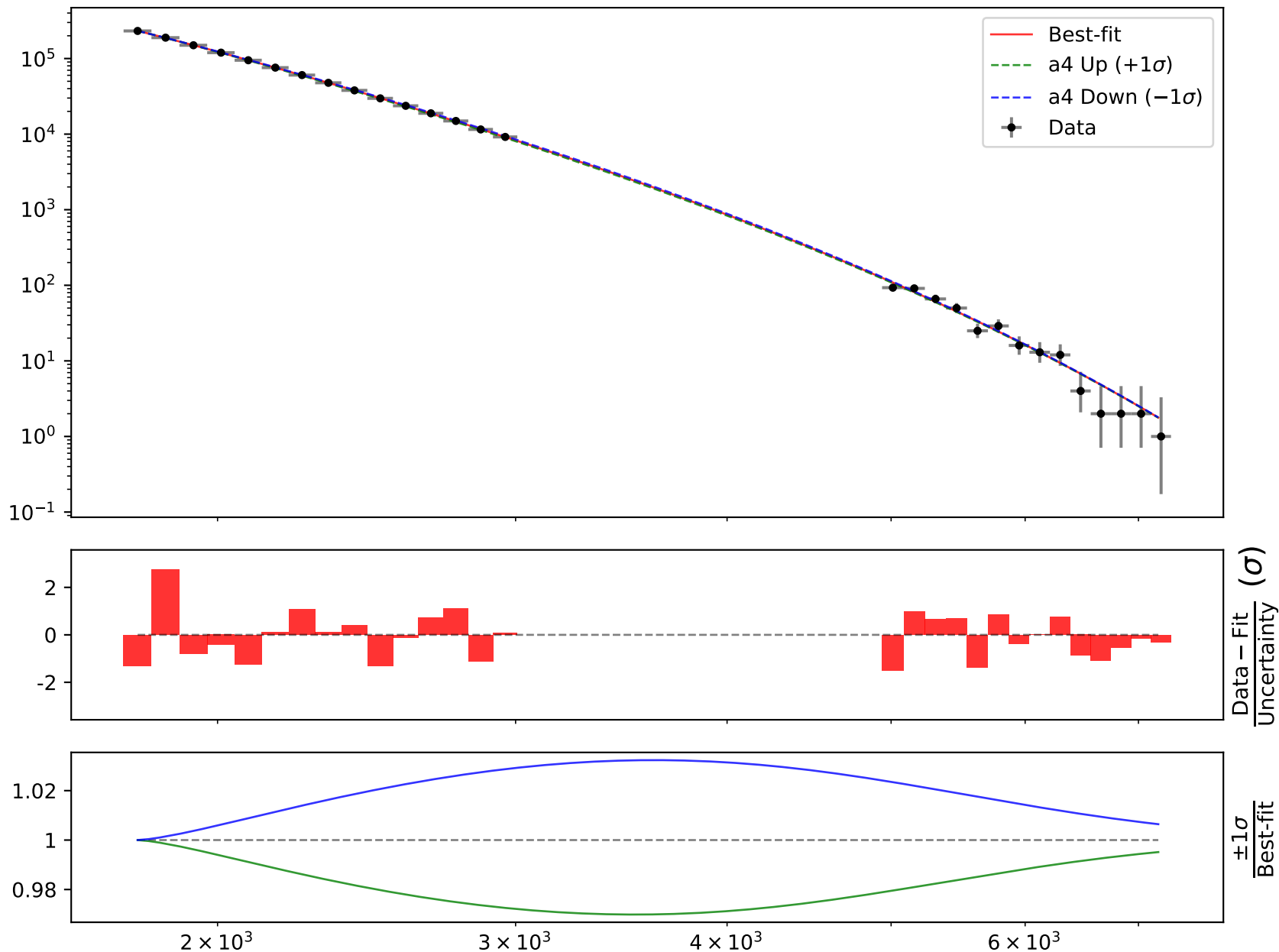
$$38458.1 * (a1 * ((x0 - 1794.0) * 0.000184332) / (a2 + \tanh(a4 * ((x0 - 1794.0) * 0.000184332)) * a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 5.02549e-05^{+5.024e-06(10.0\%)}_{-4.831e-06(9.61\%)}, \quad a2 = 0.165475^{+0.0003124(0.189\%)}_{-0.0003127(0.189\%)},$$

$$a3 = 1.45654^{+0.03075(2.11\%)}_{-0.03172(2.18\%)}, \quad \mathbf{a4 = 1.2695^{+0.1509(11.9\%)}_{-0.1476(11.6\%)}}$$

**Candidate #15**

$$\chi^2/\text{NDF} = 27.52/25, \text{ RMSE} = 279.3, \text{ R2} = 1.0$$

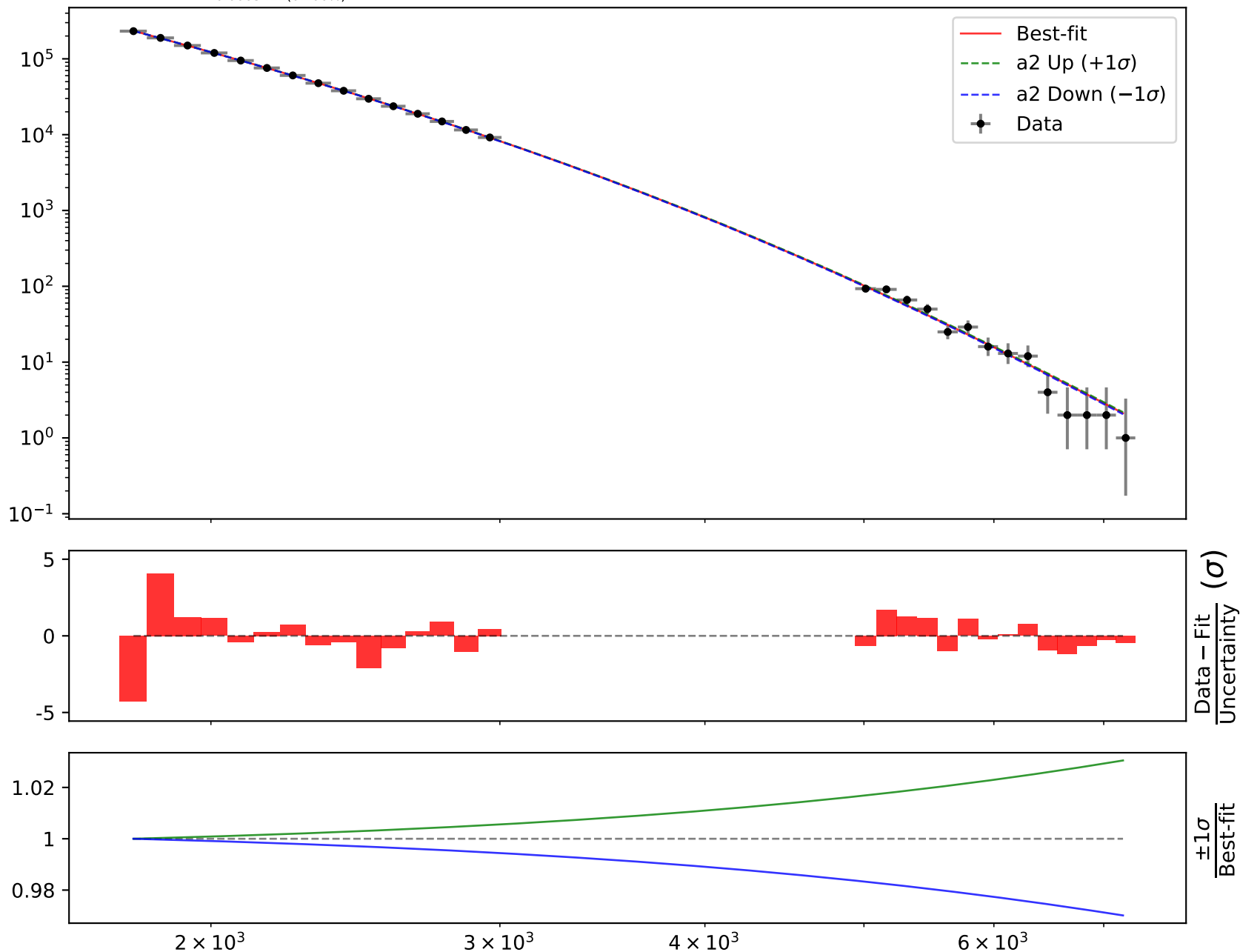


Candidate function #14

$$38458.1 * ((a1 + a2 * \exp(2 * ((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332) / \tanh(a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 2.46e-06, \quad a2 = 5.55067e-06^{+1.805e-07(3.25\%)}_{-1.767e-07(3.18\%)},$$

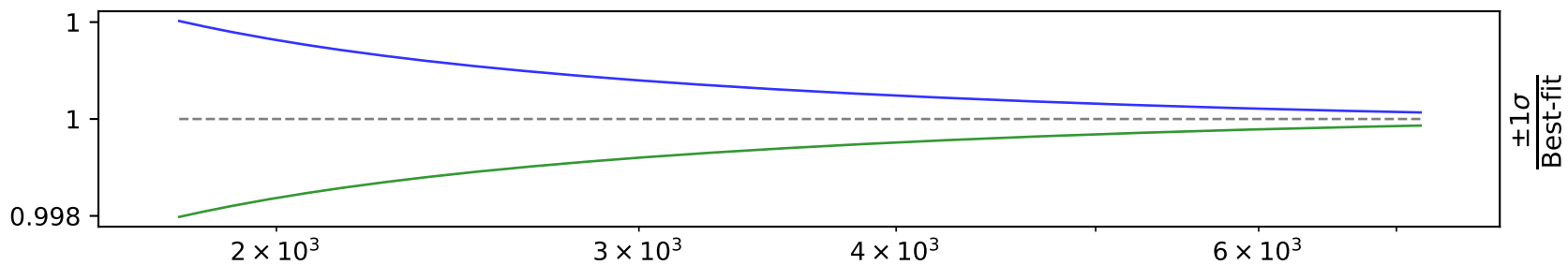
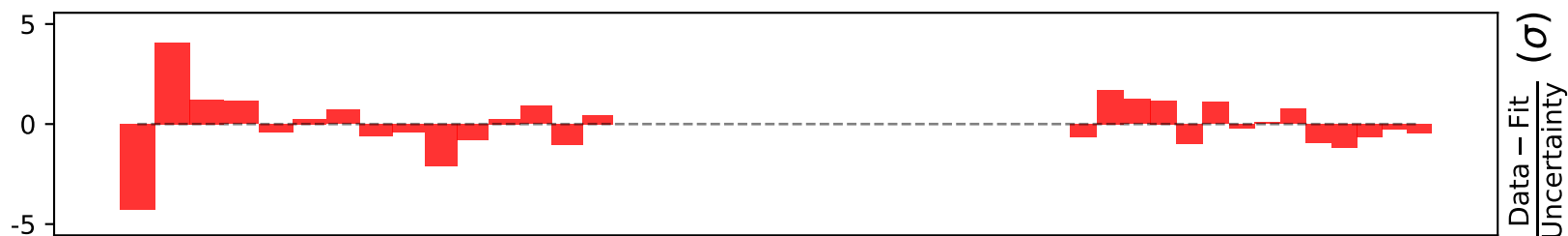
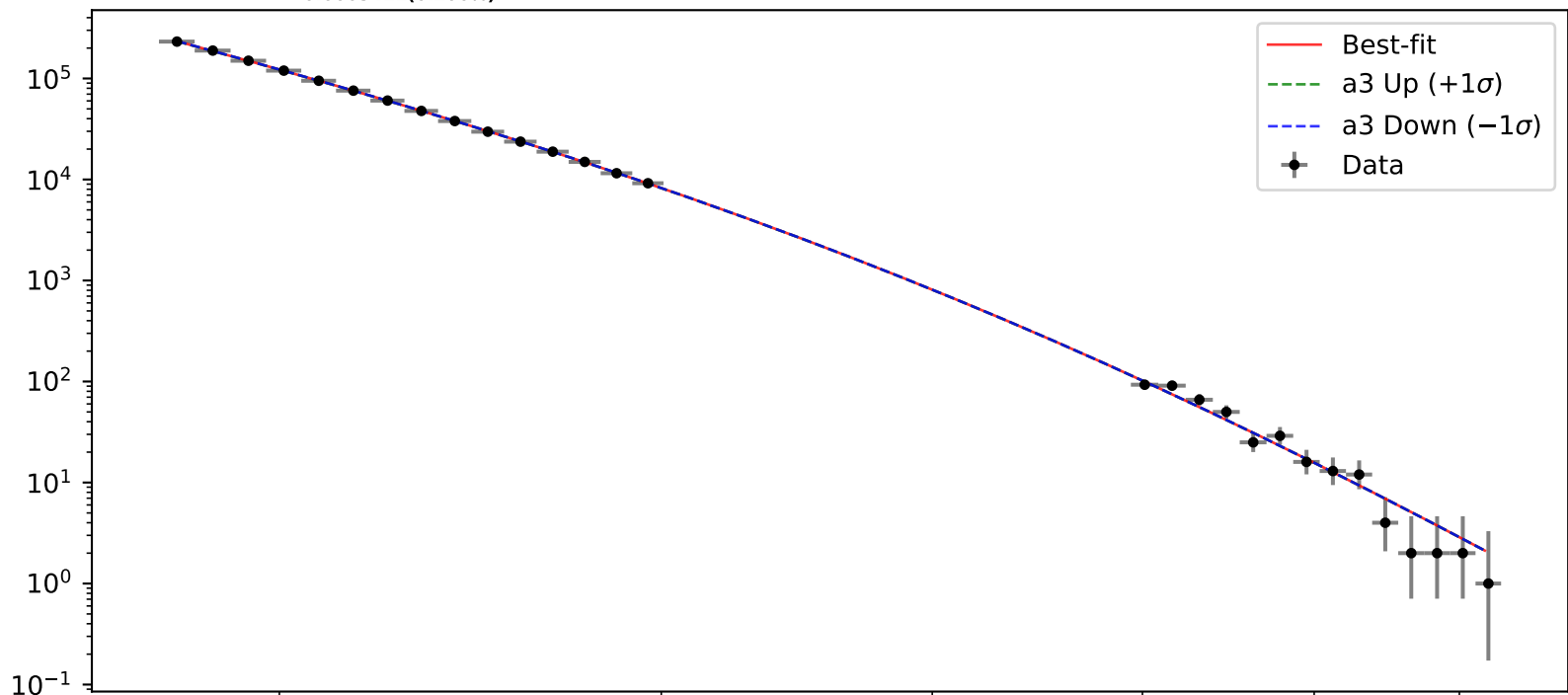
$$a3 = 0.165965^{+0.0003423(0.206\%)}_{-0.0003411(0.206\%)}$$

**Candidate #14** $\chi^2/\text{NDF} = 58.4/27$ , RMSE = 526.4, R2 = 0.9999

$$38458.1 * ((a1 + a2 * \exp(2 * ((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332) / \tanh(a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 2.46e-06, \quad a2 = 5.55067e-06^{+1.805e-07(3.25\%)}_{-1.767e-07(3.18\%)}$$

$$a3 = 0.165965^{+0.0003423(0.206\%)}_{-0.0003411(0.206\%)}$$

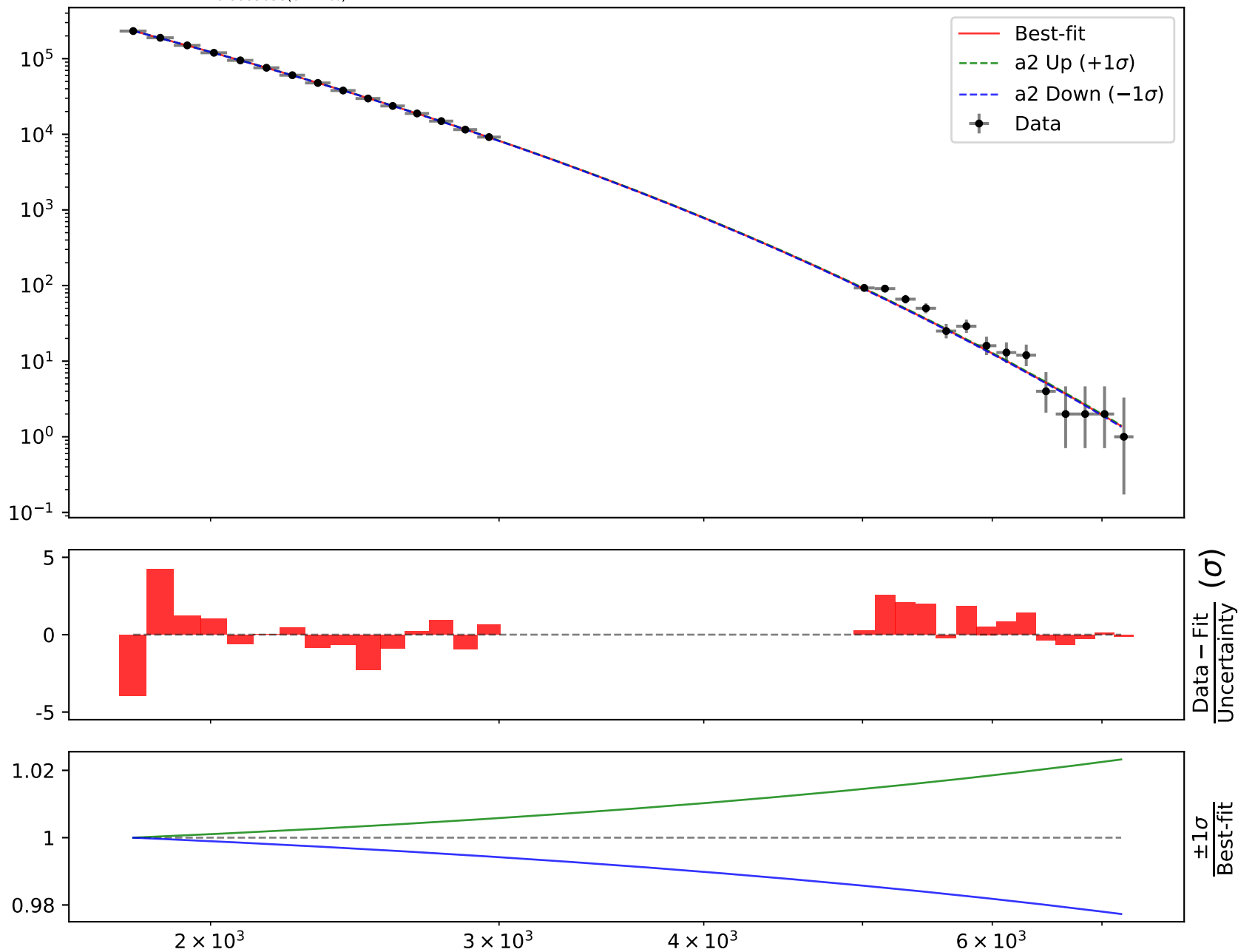
**Candidate #14** $\chi^2/\text{NDF} = 58.4/27$ , RMSE = 526.4, R2 = 0.9999

Candidate function #13

$$38458.1 * ((a1 + a2 * \exp(((x0 - 1794.0) * 0.000184332))) * (a2 + ((x0 - 1794.0) * 0.000184332))) / (a3 + \tanh(((x0 - 1794.0) * 0.000184332)))$$

$$a1 = -3.17e-06, \quad a2 = 1.28651e-05^{+2.732e-07(2.12\%)}_{-2.666e-07(2.07\%)},$$

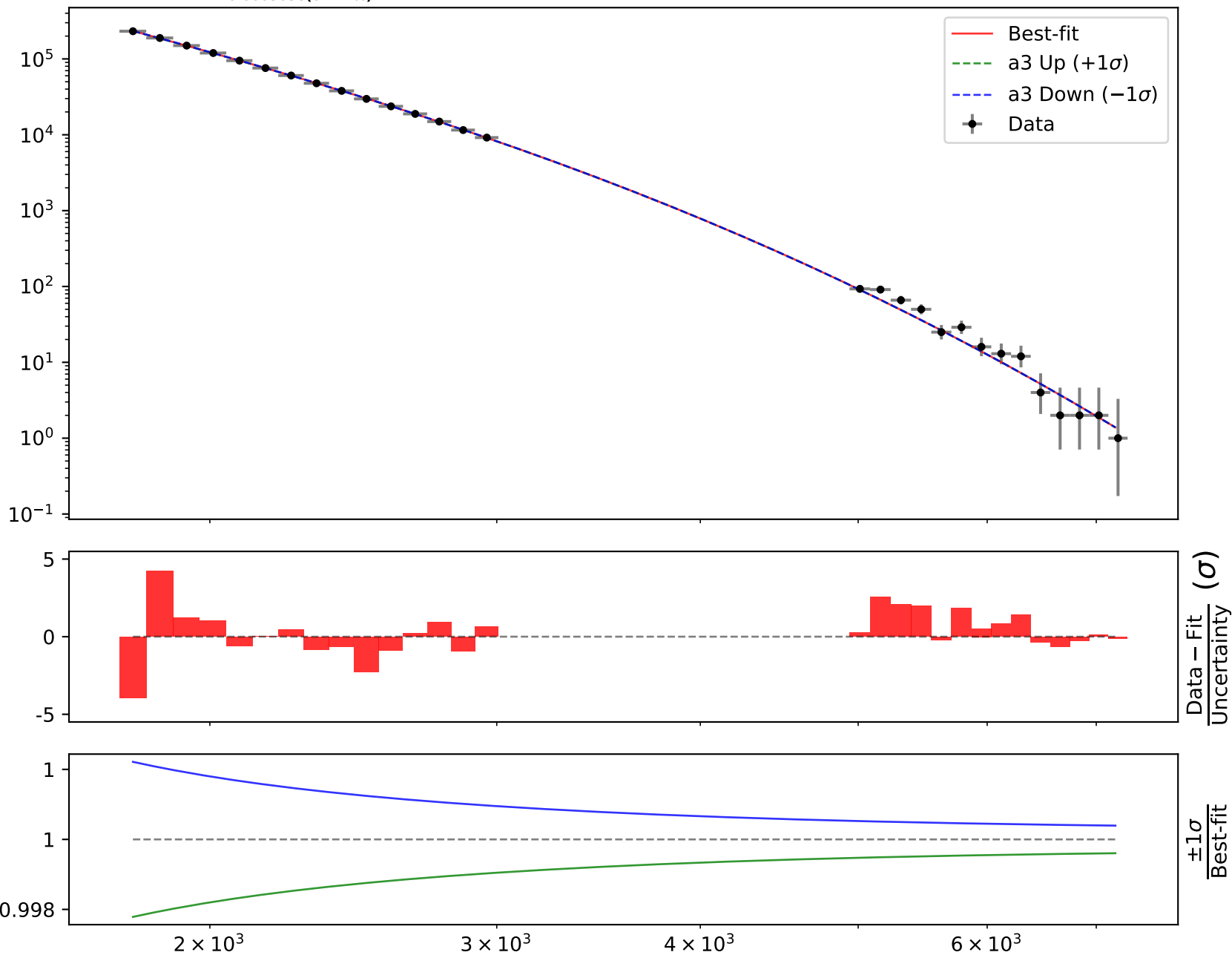
$$a3 = 0.164551^{+0.0003651(0.222\%)}_{-0.0003638(0.221\%)}$$

**Candidate #13** $\chi^2/\text{NDF} = 67.59/27$ , RMSE = 512.7, R2 = 0.9999

$$38458.1 * ((a1 + a2 * \exp(((x0 - 1794.0) * 0.000184332))) * (a2 + ((x0 - 1794.0) * 0.000184332))) / (a3 + \tanh(((x0 - 1794.0) * 0.000184332)))$$

$$a1 = -3.17e-06, \quad a2 = 1.28651e-05^{+2.732e-07(2.12\%)}_{-2.666e-07(2.07\%)}$$

$$a3 = 0.164551^{+0.0003651(0.222\%)}_{-0.0003638(0.221\%)}$$

**Candidate #13** $\chi^2/\text{NDF} = 67.59/27$ , RMSE = 512.7, R2 = 0.9999



Candidate function #12

$$38458.1 * ((a1 * \exp(2 * ((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332) / (a2 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 8.86587e-06^{+2.273e-07(2.56\%)}_{-2.22e-07(2.5\%)}, \quad a2 = 0.164284^{+0.0003477(0.212\%)}_{-0.0003465(0.211\%)}$$

**Candidate #12**

$$\chi^2/\text{NDF} = 62.64/27, \text{RMSE} = 559.9, \text{R}^2 = 0.9999$$

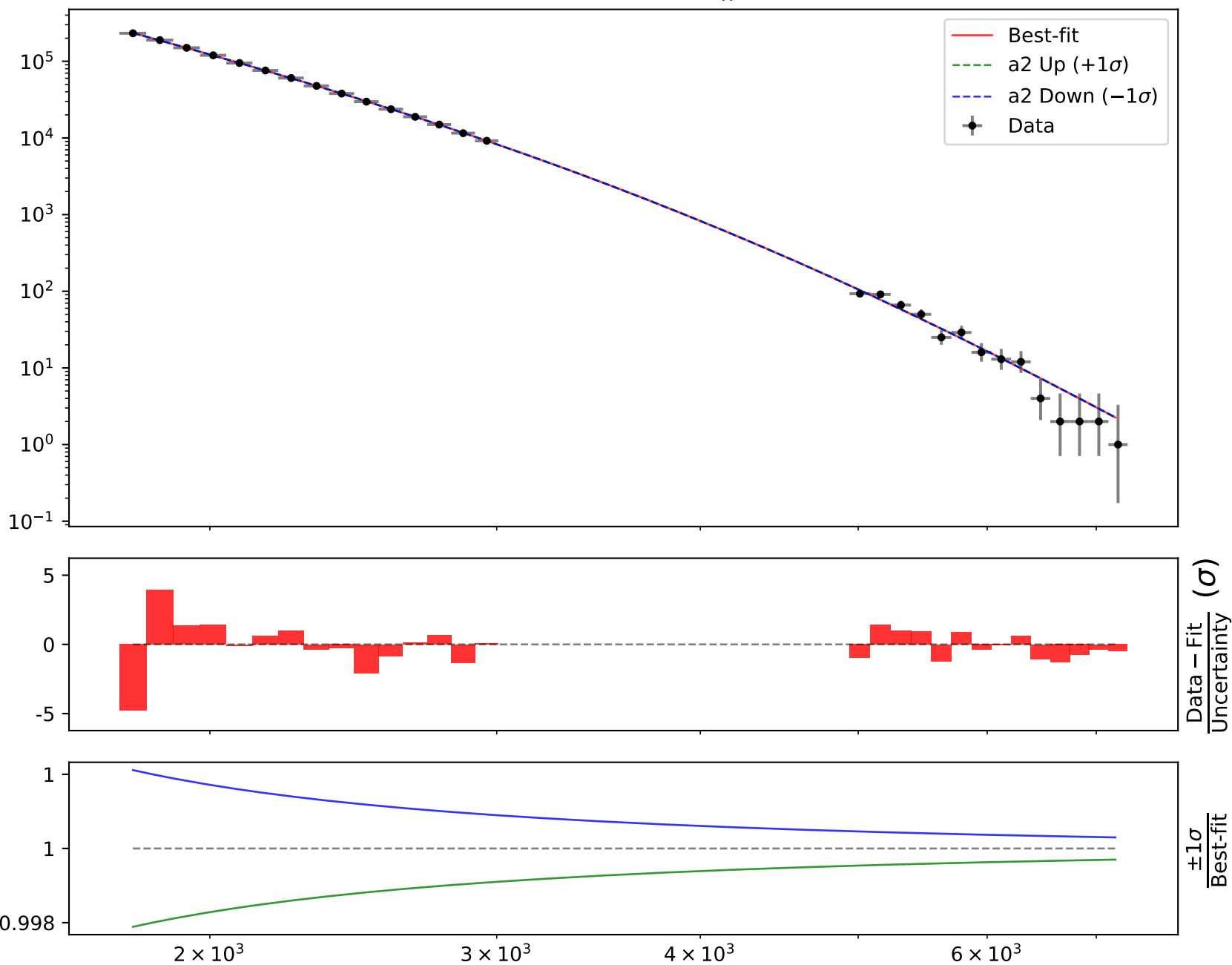


$$38458.1 * ((a1 * \exp(2 * ((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332)) / (a2 + ((x0 - 1794.0) * 0.000184332))$$

$$a1 = 8.86587e-06^{+2.273e-07(2.56\%)}_{-2.22e-07(2.5\%)}, \quad a2 = 0.164284^{+0.0003477(0.212\%)}_{-0.0003465(0.211\%)}$$

**Candidate #12**

$$\chi^2/\text{NDF} = 62.64/27, \text{RMSE} = 559.9, \text{R2} = 0.9999$$

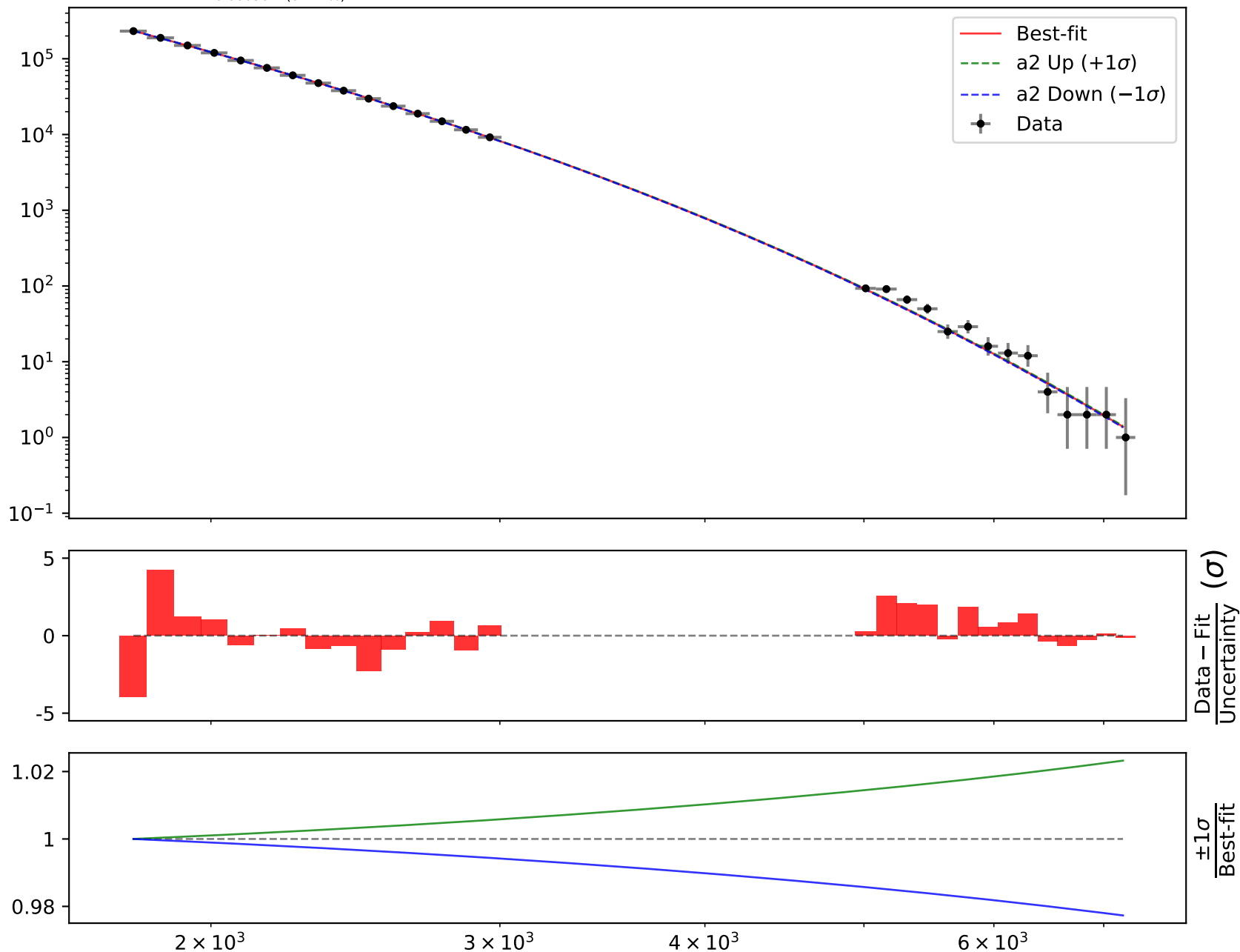


Candidate function #11

$$38458.1 * ((a1 + a2 * \exp(((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332) / (a3 + \tanh(((x0 - 1794.0) * 0.000184332))))$$

$$a1 = -3.17e-06, \quad a2 = 1.28605e-05^{+2.729e-07(2.12\%)}_{-2.664e-07(2.07\%)},$$

$$a3 = 0.164576^{+0.0003654(0.222\%)}_{-0.0003641(0.221\%)}$$

**Candidate #11** $\chi^2/\text{NDF} = 67.59/27$ , RMSE = 512.5, R2 = 0.9999

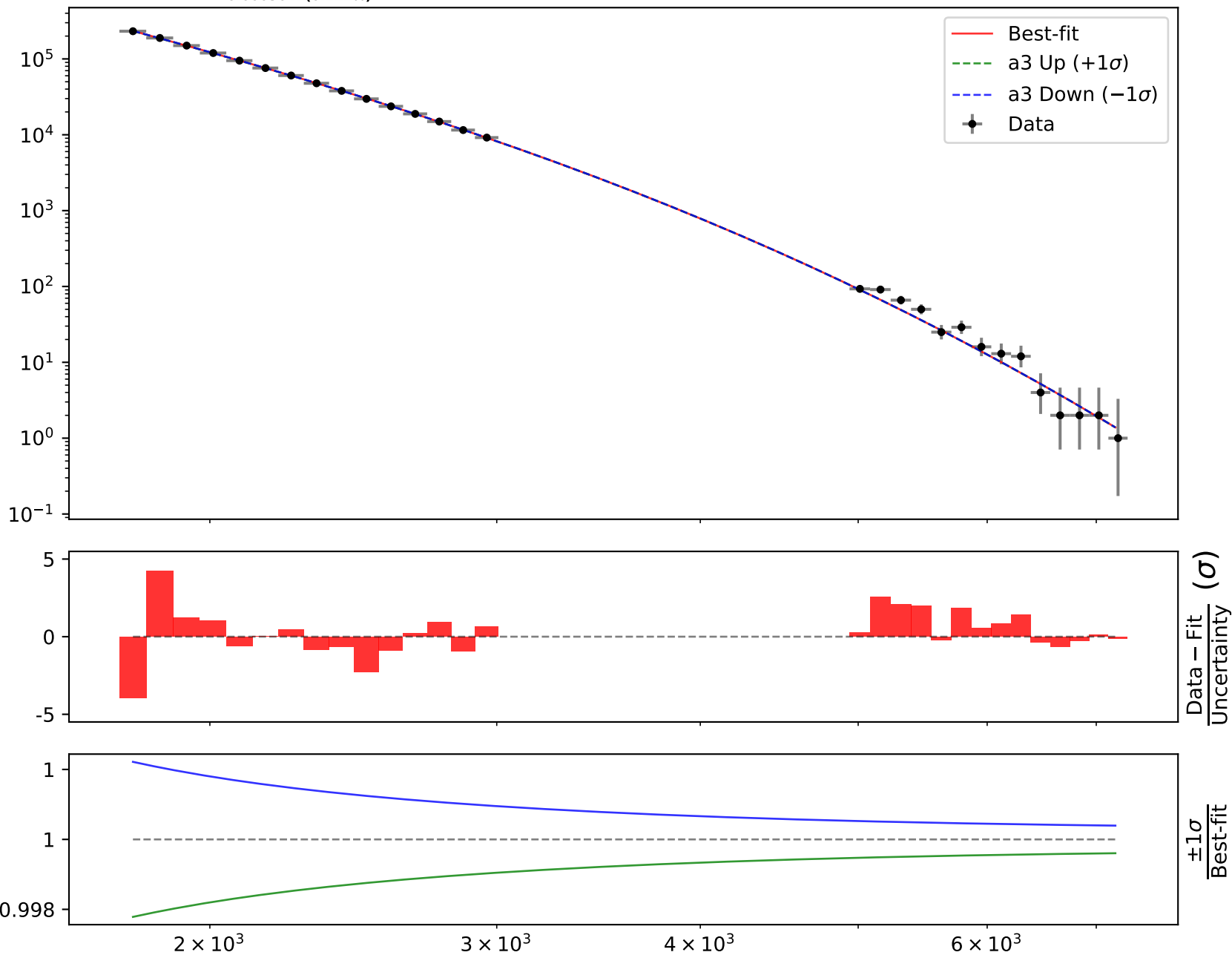
$$38458.1 * ((a1 + a2 * \exp(((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332)) / (a3 + \tanh(((x0 - 1794.0) * 0.000184332)))$$

$$a1 = -3.17e-06, \quad a2 = 1.28605e-05^{+2.729e-07(2.12\%)}_{-2.664e-07(2.07\%)}$$

$$a3 = 0.164576^{+0.0003654(0.222\%)}_{-0.0003641(0.221\%)}$$

**Candidate #11**

$$\chi^2/\text{NDF} = 67.59/27, \text{ RMSE} = 512.5, \text{ R}^2 = 0.9999$$



Candidate function #10

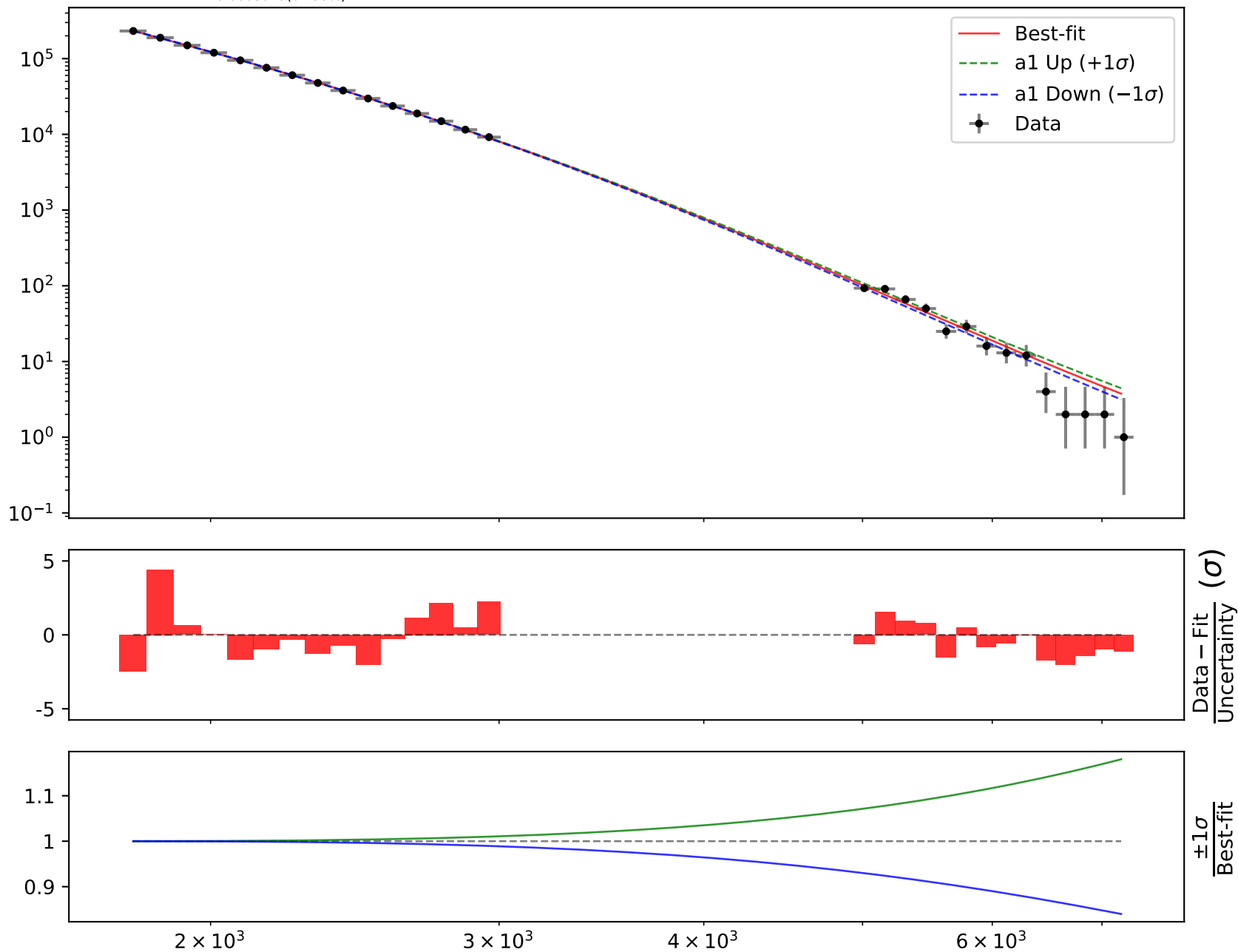
$$38458.1 * ((a2 * \exp(a1 * ((x0 - 1794.0) * 0.000184332))) ** \tanh(((x0 - 1794.0) * 0.000184332))) / (a3 + ((x0 - 1794.0) * 0.000184332))$$

$$a1 = -0.627428^{+0.2192(34.9\%)}_{-0.2309(36.8\%)}, \quad a2 = 1.19114e-05^{+5.702e-07(4.79\%)}_{-5.357e-07(4.5\%)},$$

$$a3 = 0.165073^{+0.0003947(0.239\%)}_{-0.0003929(0.238\%)}$$

**Candidate #10**

$$\chi^2/\text{NDF} = 67.19/26, \text{RMSE} = 451.5, \text{R2} = 0.9999$$





$$38458.1 * ((a2 * \exp(a1 * ((x0 - 1794.0) * 0.000184332))) ** \tanh(((x0 - 1794.0) * 0.000184332))) / (a3 + ((x0 - 1794.0) * 0.000184332))$$

$$a1 = -0.627428^{+0.2192(34.9\%)}_{-0.2309(36.8\%)}, \quad a2 = 1.19114e-05^{+5.702e-07(4.79\%)}_{-5.357e-07(4.5\%)},$$

$$a3 = 0.165073^{+0.0003947(0.239\%)}_{-0.0003929(0.238\%)}$$

**Candidate #10** $\chi^2/\text{NDF} = 67.19/26$ , RMSE = 451.5, R2 = 0.9999

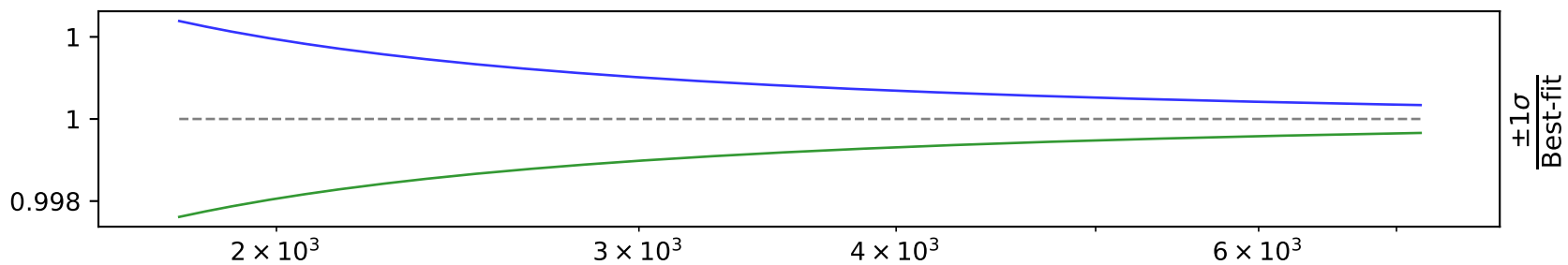
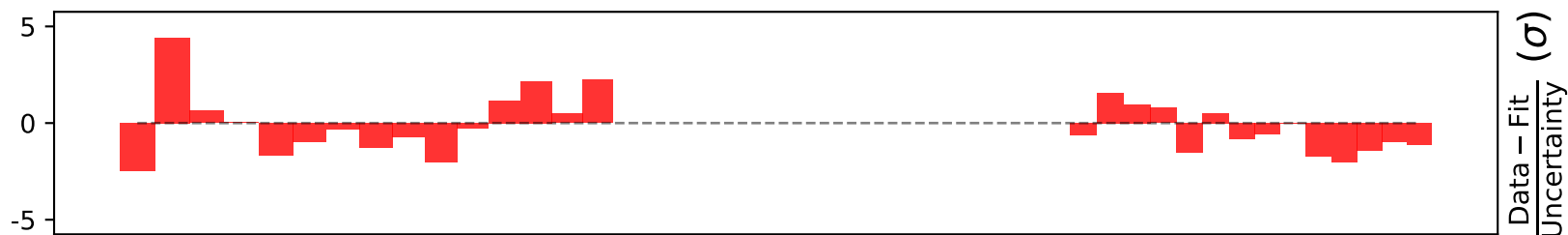
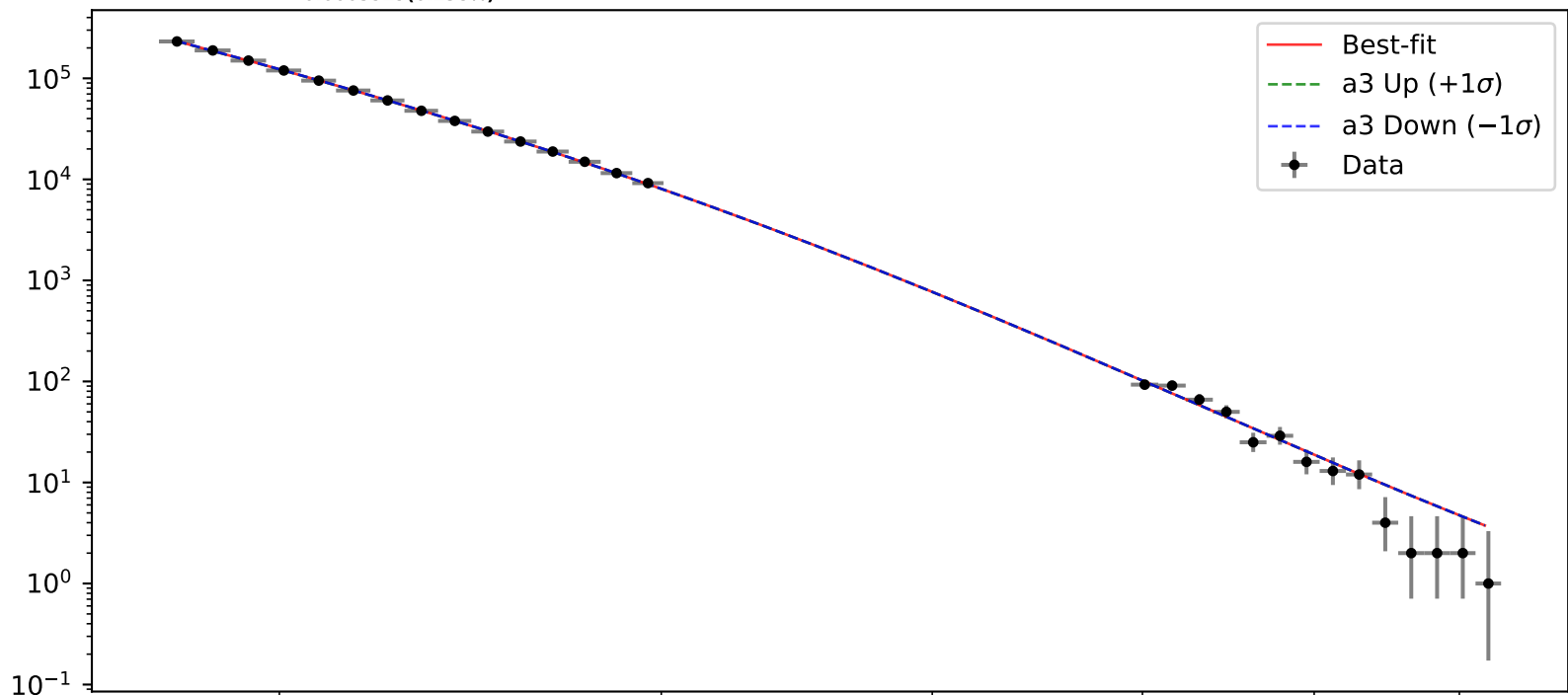
$$38458.1 * ((a2 * \exp(a1 * ((x0 - 1794.0) * 0.000184332))) * \tanh(((x0 - 1794.0) * 0.000184332))) / (a3 + ((x0 - 1794.0) * 0.000184332))$$

$$a1 = -0.627428^{+0.2192(34.9\%)}_{-0.2309(36.8\%)}, \quad a2 = 1.19114e-05^{+5.702e-07(4.79\%)}_{-5.357e-07(4.5\%)},$$

$$a3 = 0.165073^{+0.0003947(0.239\%)}_{-0.0003929(0.238\%)}$$

**Candidate #10**

$$\chi^2/\text{NDF} = 67.19/26, \text{ RMSE} = 451.5, \text{ R}^2 = 0.9999$$



Candidate function #9

$$38458.1 * ((a1 + a2 * ((x0 - 1794.0) * 0.000184332)) * ((x0 - 1794.0) * 0.000184332) / \tanh(a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 7.43466e-06^{+5.915e-07(7.96\%)}_{-5.813e-07(7.82\%)}, \quad a2 = 1.75132e-05^{+3.682e-06(21.0\%)}_{-3.644e-06(20.8\%)},$$

$$a3 = 0.165824^{+0.0004544(0.274\%)}_{-0.0004543(0.274\%)}$$

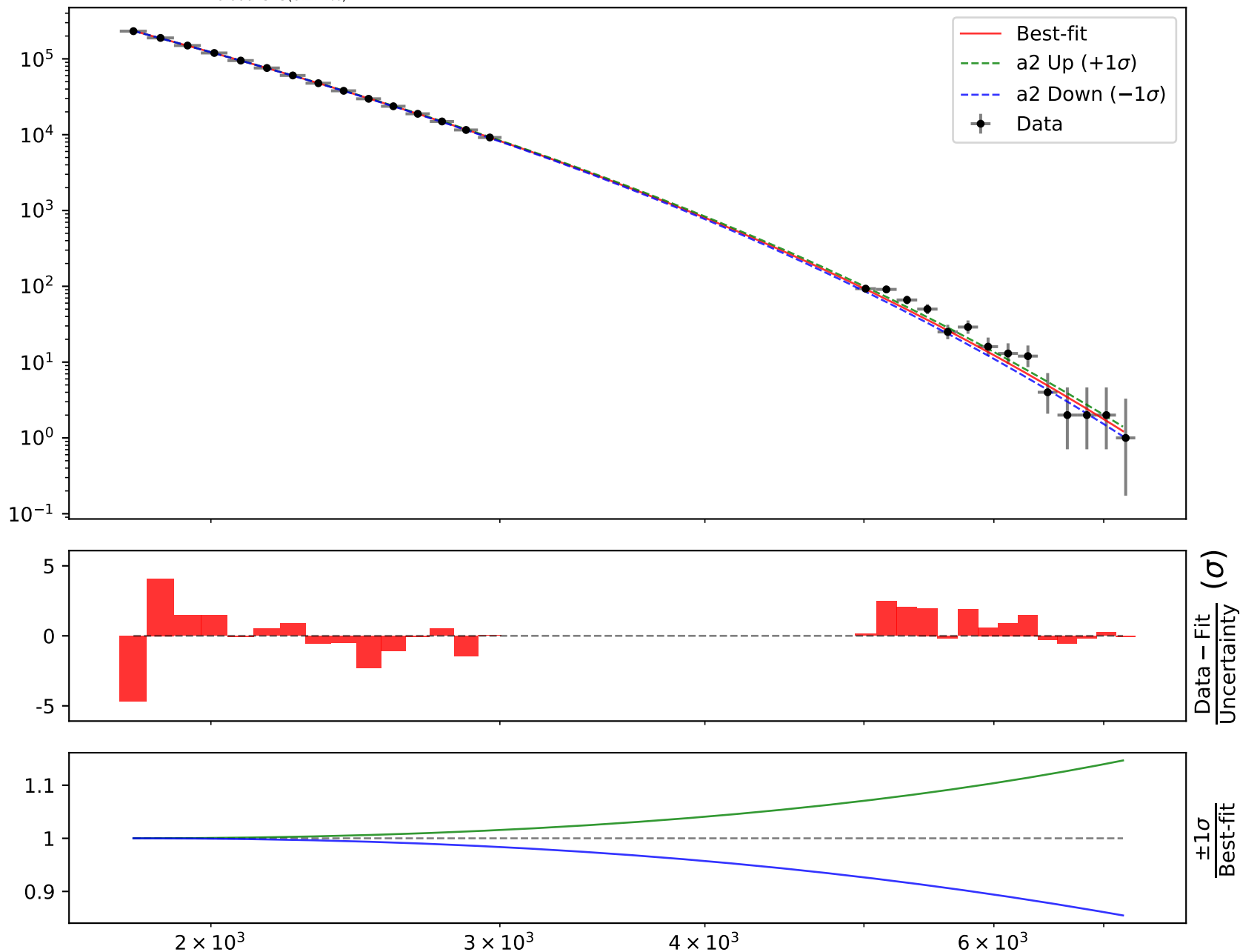
**Candidate #9** $\chi^2/\text{NDF} = 75.3/26$ , RMSE = 561.9, R2 = 0.9999

$$38458.1 * ((a1 + a2 * ((x0 - 1794.0) * 0.000184332)) * ((x0 - 1794.0) * 0.000184332) / \tanh(a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 7.43466e-06^{+5.915e-07(7.96\%)}_{-5.813e-07(7.82\%)}, \quad a2 = 1.75132e-05^{+3.682e-06(21.0\%)}_{-3.644e-06(20.8\%)},$$

$$a3 = 0.165824^{+0.0004544(0.274\%)}_{-0.0004543(0.274\%)}$$

$$\chi^2/\text{NDF} = 75.3/26, \text{ RMSE} = 561.9, \text{ R}^2 = 0.9999$$

**Candidate #9**

$$38458.1 * ((a1 + a2 * ((x0 - 1794.0) * 0.000184332)) ** ((x0 - 1794.0) * 0.000184332) / \tanh(a3 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 7.43466e-06^{+5.915e-07(7.96\%)}_{-5.813e-07(7.82\%)}, \quad a2 = 1.75132e-05^{+3.682e-06(21.0\%)}_{-3.644e-06(20.8\%)},$$

$$a3 = 0.165824^{+0.0004544(0.274\%)}_{-0.0004543(0.274\%)}$$

$$\chi^2/\text{NDF} = 75.3/26, \text{RMSE} = 561.9, \text{R2} = 0.9999$$

**Candidate #9**

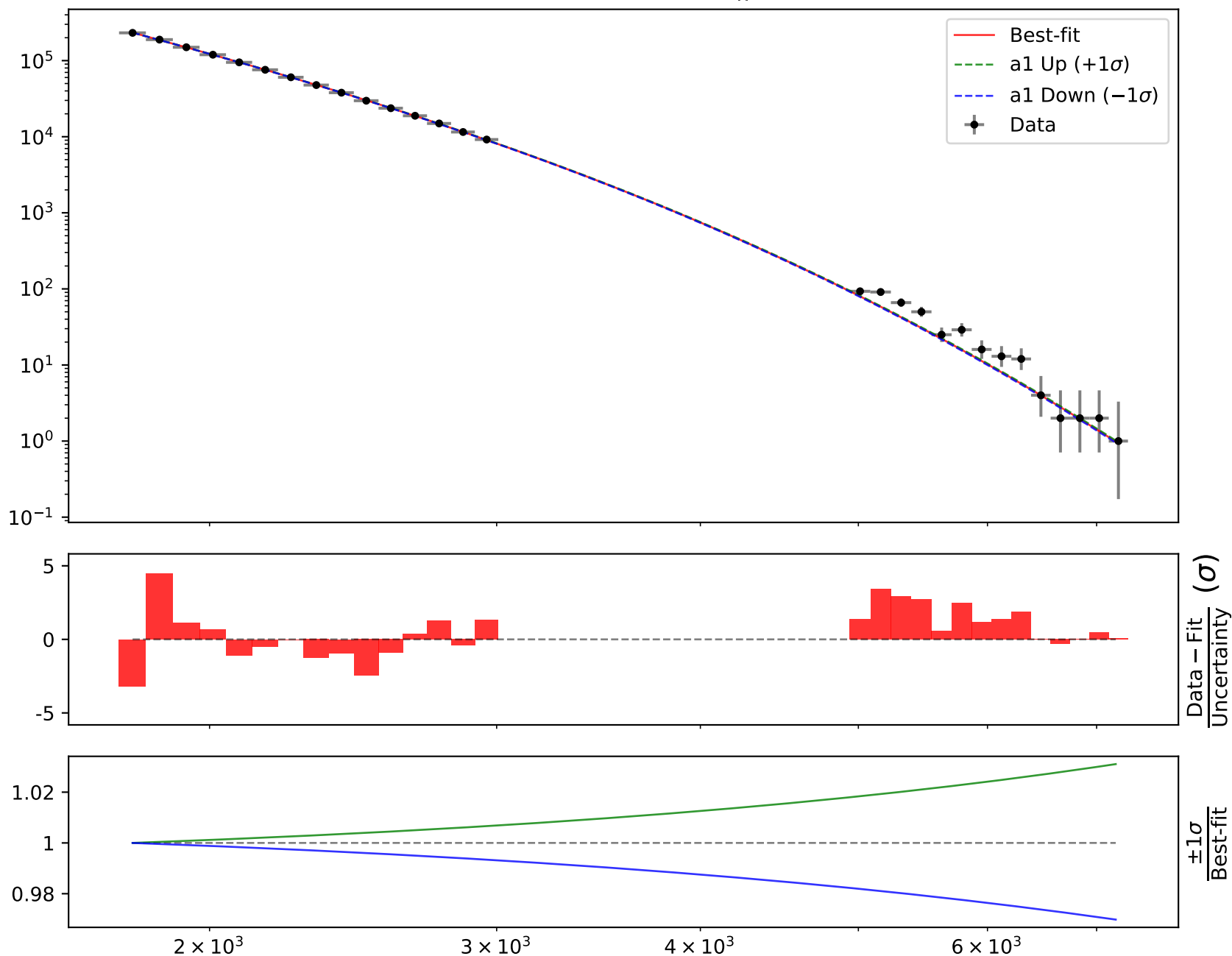

Candidate function #8

$$38458.1 * ((a1 * \exp(((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332) / (a2 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 1.0417e-05^{+3.251e-07(3.12\%)}_{-3.161e-07(3.03\%)}, \quad a2 = 0.164832^{+0.0004198(0.255\%)}_{-0.000418(0.254\%)}$$

**Candidate #8**

$$\chi^2/\text{NDF} = 89.5/27, \text{RMSE} = 486.3, \text{R}^2 = 0.9999$$



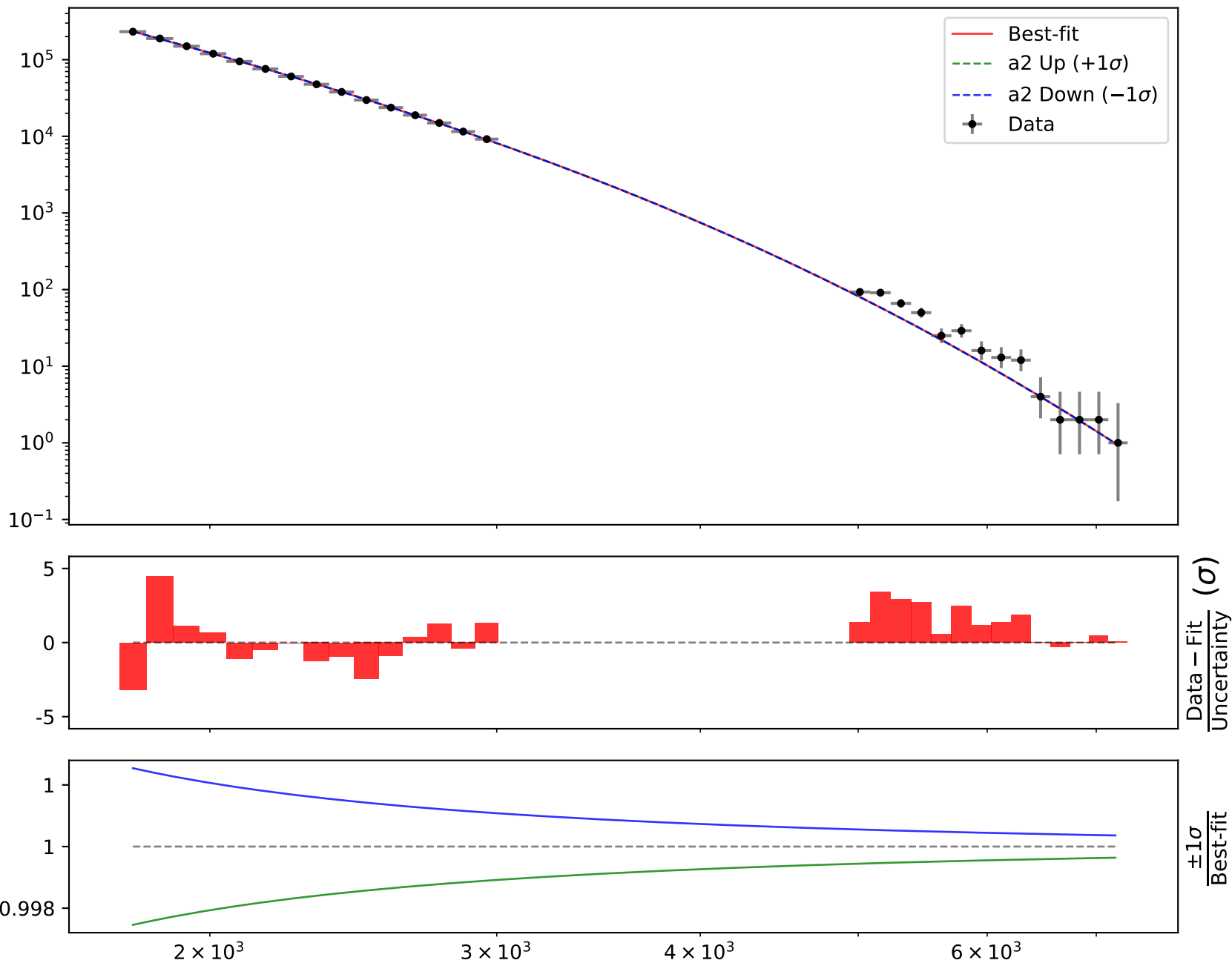


$$38458.1 * ((a1 * \exp(((x0 - 1794.0) * 0.000184332))) * ((x0 - 1794.0) * 0.000184332) / (a2 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 1.0417e-05^{+3.251e-07(3.12\%)}_{-3.161e-07(3.03\%)}, \quad a2 = 0.164832^{+0.0004198(0.255\%)}_{-0.000418(0.254\%)}$$

**Candidate #8**

$$\chi^2/\text{NDF} = 89.5/27, \text{RMSE} = 486.3, \text{R}^2 = 0.9999$$



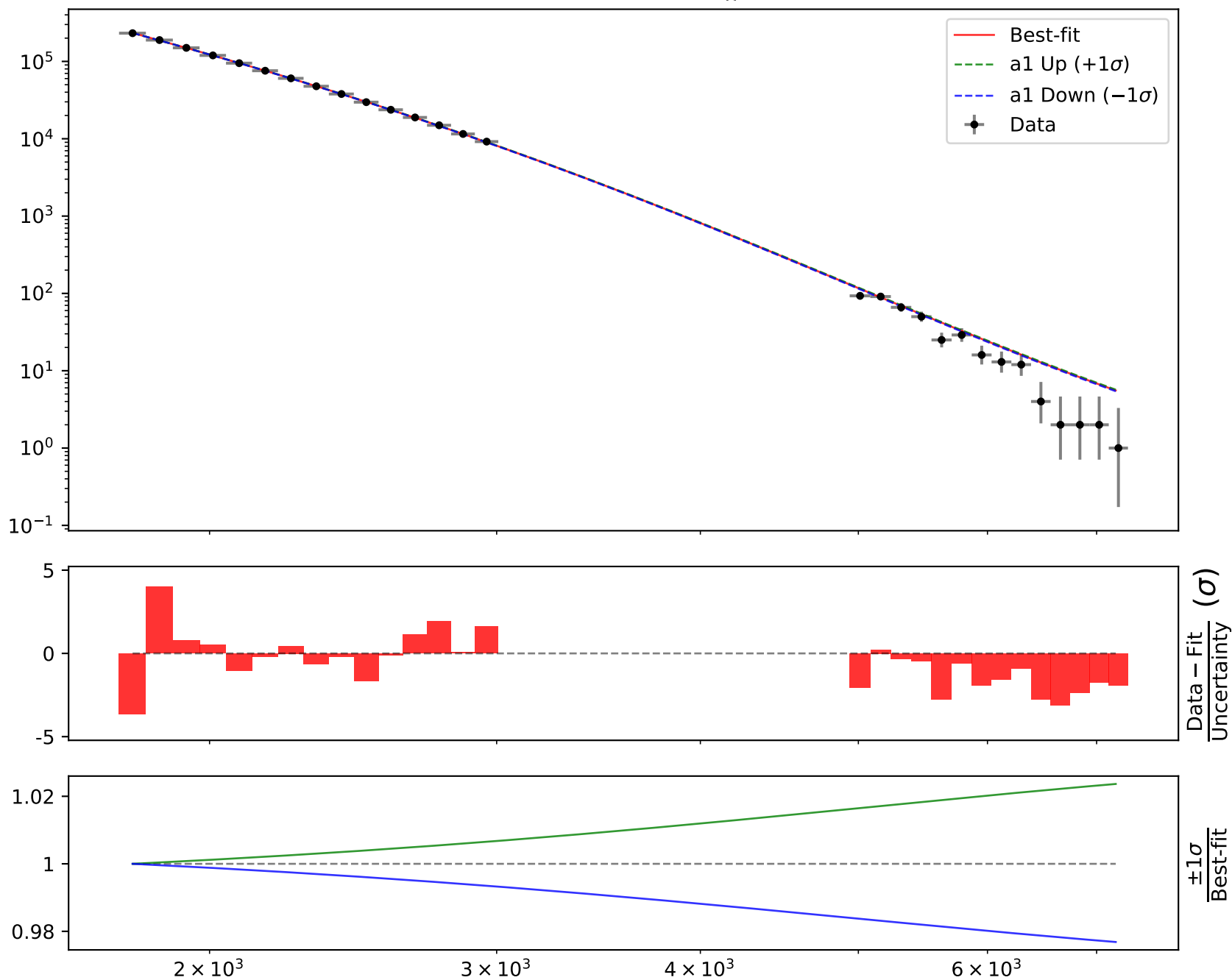
Candidate function #7

$$38458.1 * (a1 * \tanh(((x0 - 1794.0) * 0.000184332)) / (a2 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 1.06853e-05^{+3.34e-07(3.13\%)}_{-3.24e-07(3.04\%)}, \quad a2 = 0.164674^{+0.000422(0.256\%)}_{-0.0004202(0.255\%)}$$

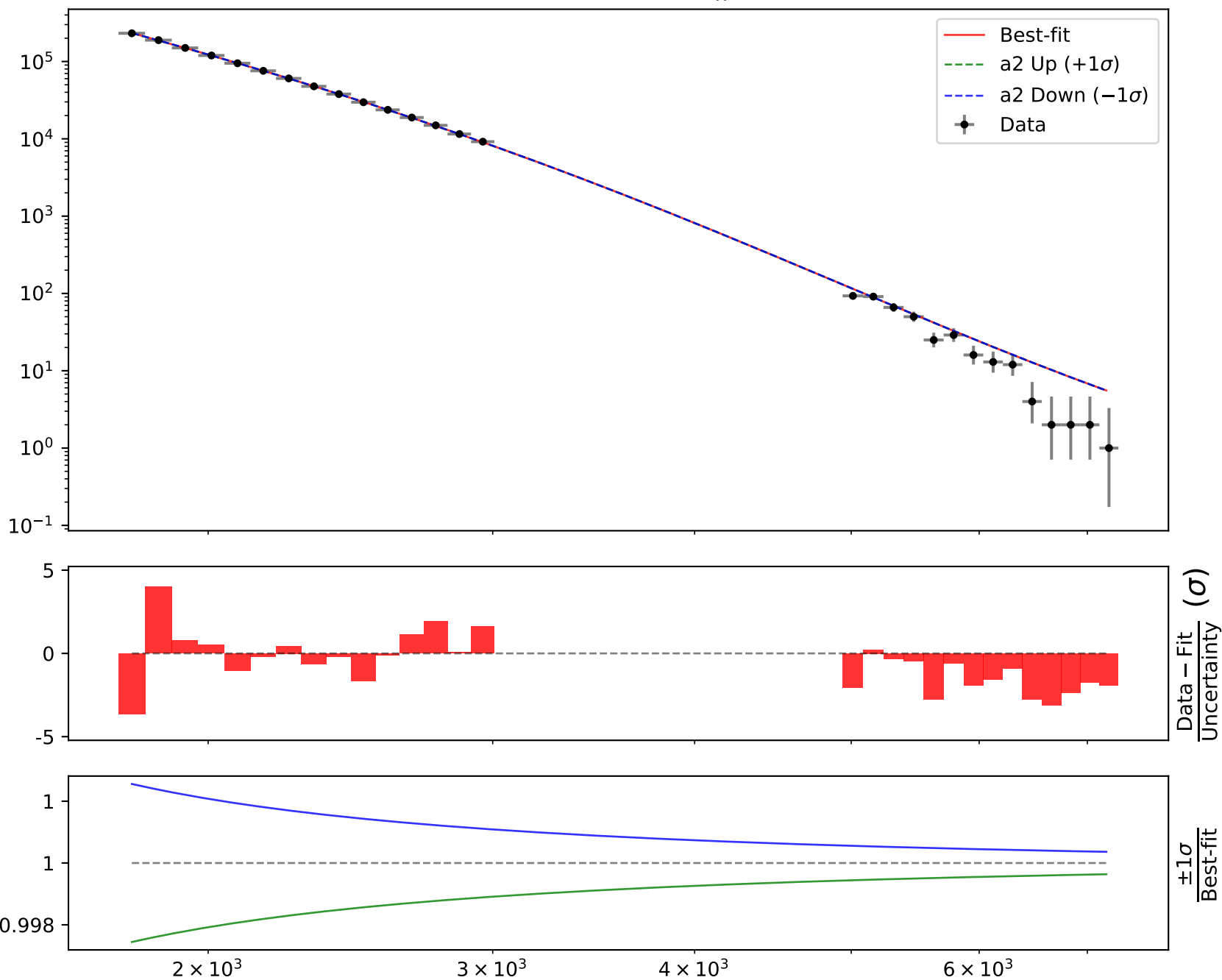
**Candidate #7**

$$\chi^2/\text{NDF} = 91.63/27, \text{RMSE} = 476.2, \text{R2} = 0.9999$$



$$38458.1 * (a1 * \tanh(((x0 - 1794.0) * 0.000184332))) / (a2 + ((x0 - 1794.0) * 0.000184332))$$

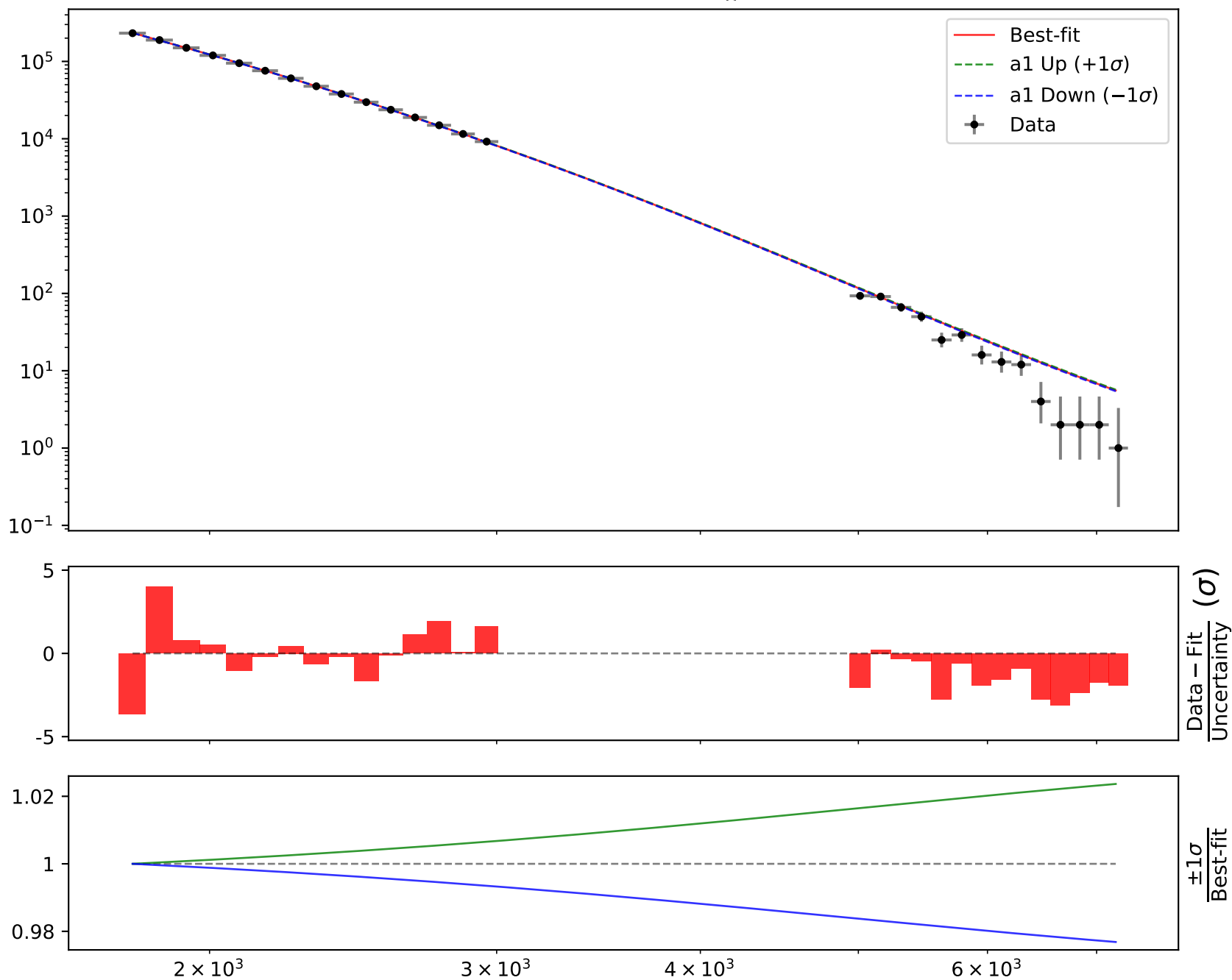
$$a1 = 1.06853e-05^{+3.34e-07(3.13\%)}_{-3.246e-07(3.04\%)}, \quad a2 = 0.164674^{+0.000422(0.256\%)}_{-0.0004202(0.255\%)}$$

**Candidate #7** $\chi^2/\text{NDF} = 91.63/27$ , RMSE = 476.2, R2 = 0.9999

Candidate function #6

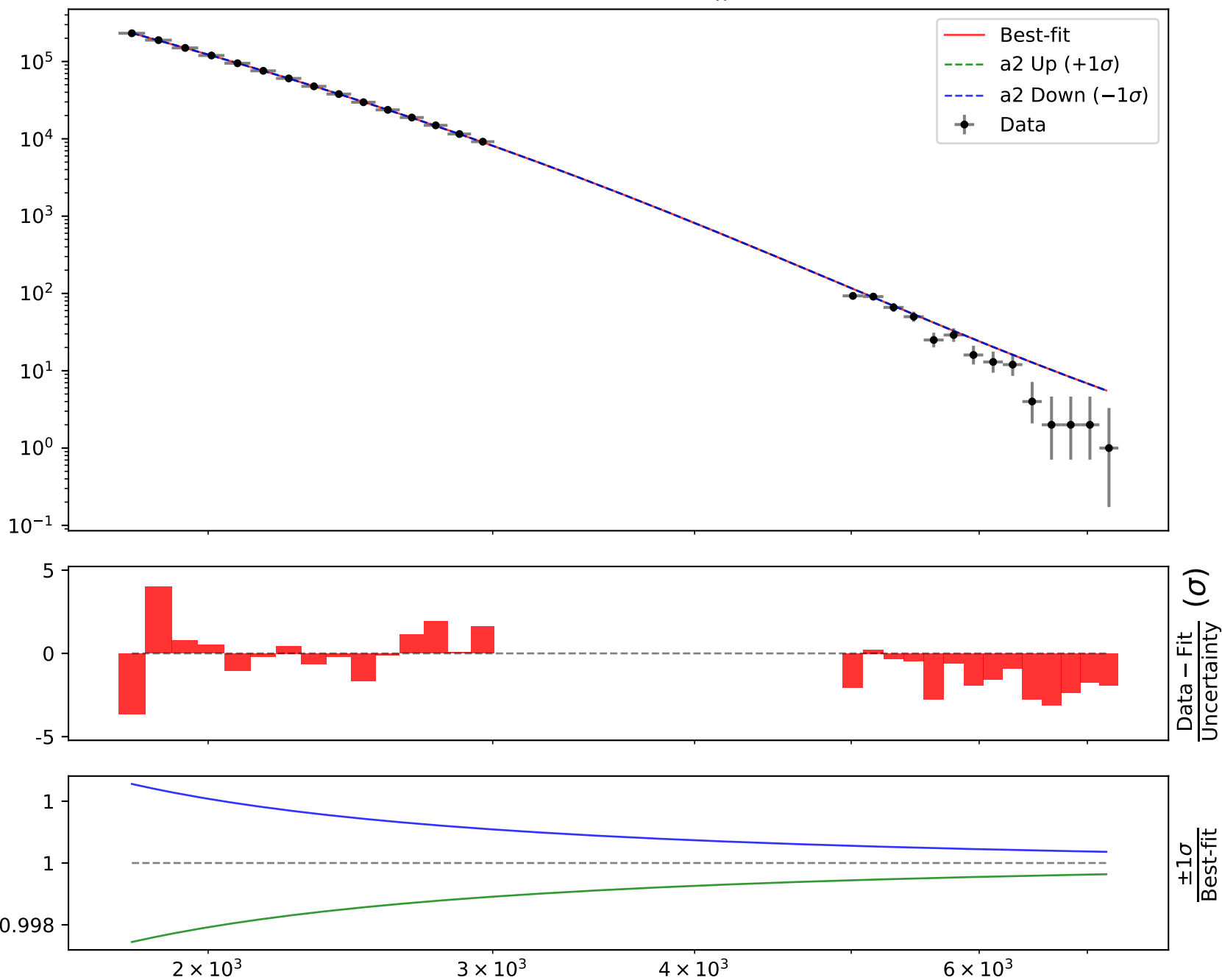
$$38458.1 * (a1 * \tanh((x0 - 1794.0) * 0.000184332)) / (a2 + ((x0 - 1794.0) * 0.000184332))$$

$$a1 = 1.06853e-05^{+3.34e-07(3.13\%)}_{-3.24e-07(3.04\%)}, \quad a2 = 0.164674^{+0.000422(0.256\%)}_{-0.0004202(0.255\%)}$$

**Candidate #6** $\chi^2/\text{NDF} = 91.63/27$ , RMSE = 476.2, R2 = 0.9999

$$38458.1 * (a1 * \tanh(((x0 - 1794.0) * 0.000184332))) / (a2 + ((x0 - 1794.0) * 0.000184332))$$

$$a1 = 1.06853e-05^{+3.34e-07(3.13\%)}_{-3.246e-07(3.04\%)}, \quad a2 = 0.164674^{+0.000422(0.256\%)}_{-0.0004202(0.255\%)}$$

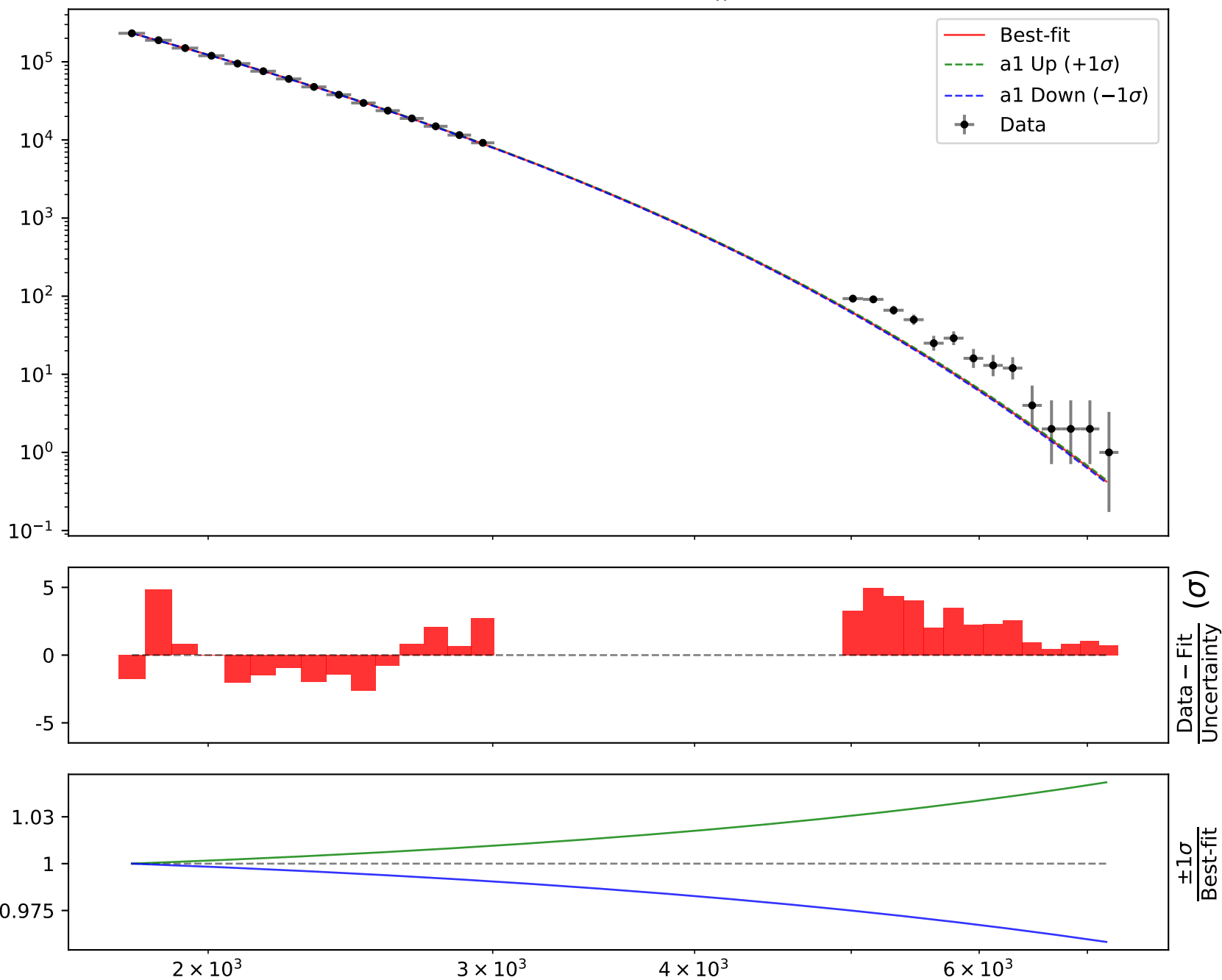
**Candidate #6** $\chi^2/\text{NDF} = 91.63/27$ , RMSE = 476.2, R2 = 0.9999

Candidate function #5



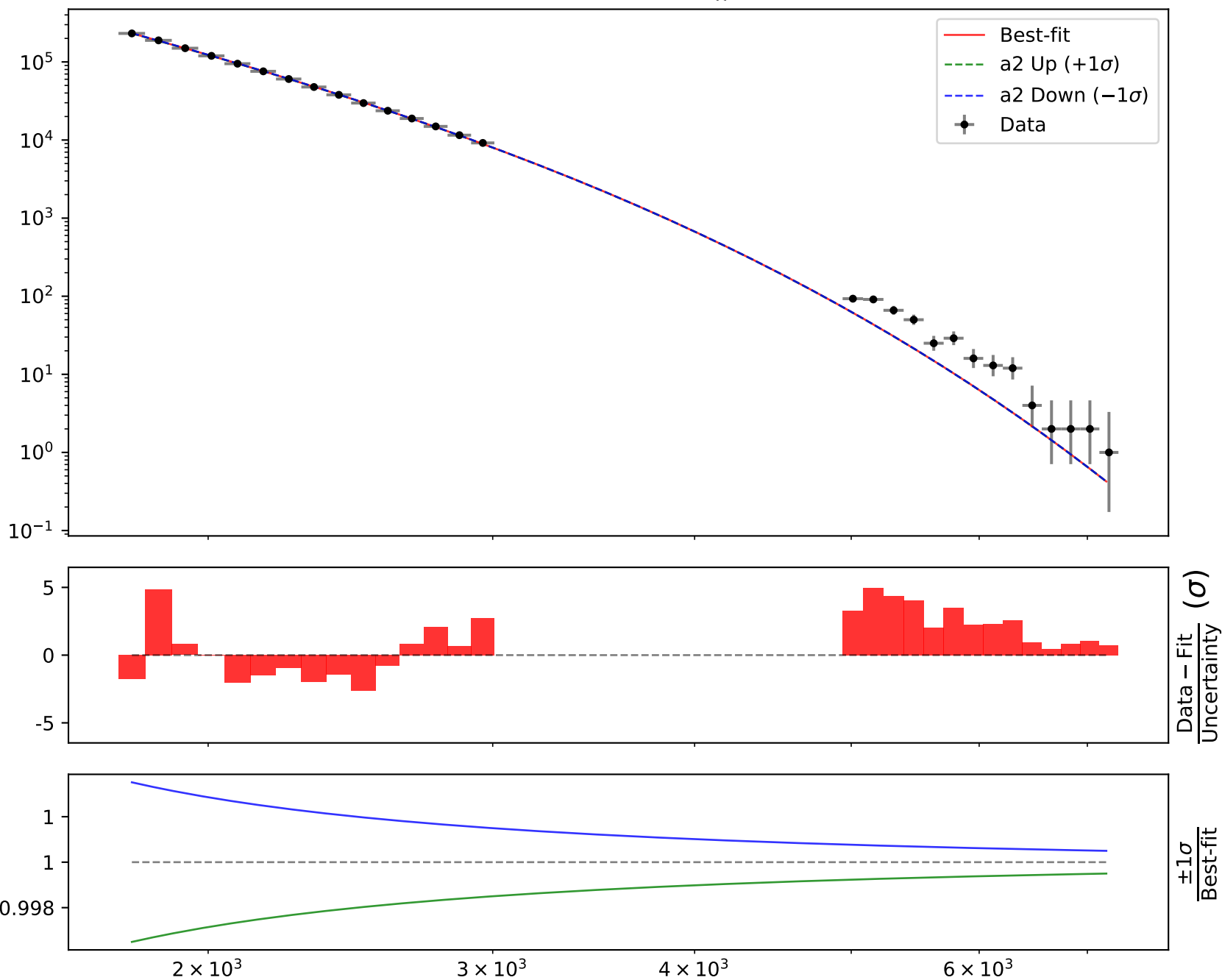
$$38458.1 * (a1 * ((x0 - 1794.0) * 0.000184332) / (a2 + ((x0 - 1794.0) * 0.000184332)))$$

$$a1 = 1.21048e - 05^{+5.28e - 07(4.36\%)}_{-5.08e - 07(4.2\%)}, \quad a2 = 0.165306^{+0.0005818(0.352\%)}_{-0.0005785(0.35\%)}$$

**Candidate #5** $\chi^2/\text{NDF} = 169.1/27$ , RMSE = 475.9, R2 = 0.9999

$$38458.1 \cdot (a1 \cdot ((x0 - 1794.0) \cdot 0.000184332) / (a2 + ((x0 - 1794.0) \cdot 0.000184332)))$$

$$a1 = 1.21048e-05^{+5.28e-07(4.36\%)}_{-5.08e-07(4.2\%)}, \quad a2 = 0.165306^{+0.0005818(0.352\%)}_{-0.0005785(0.35\%)}$$

**Candidate #5** $\chi^2/\text{NDF} = 169.1/27$ , RMSE = 475.9, R2 = 0.9999

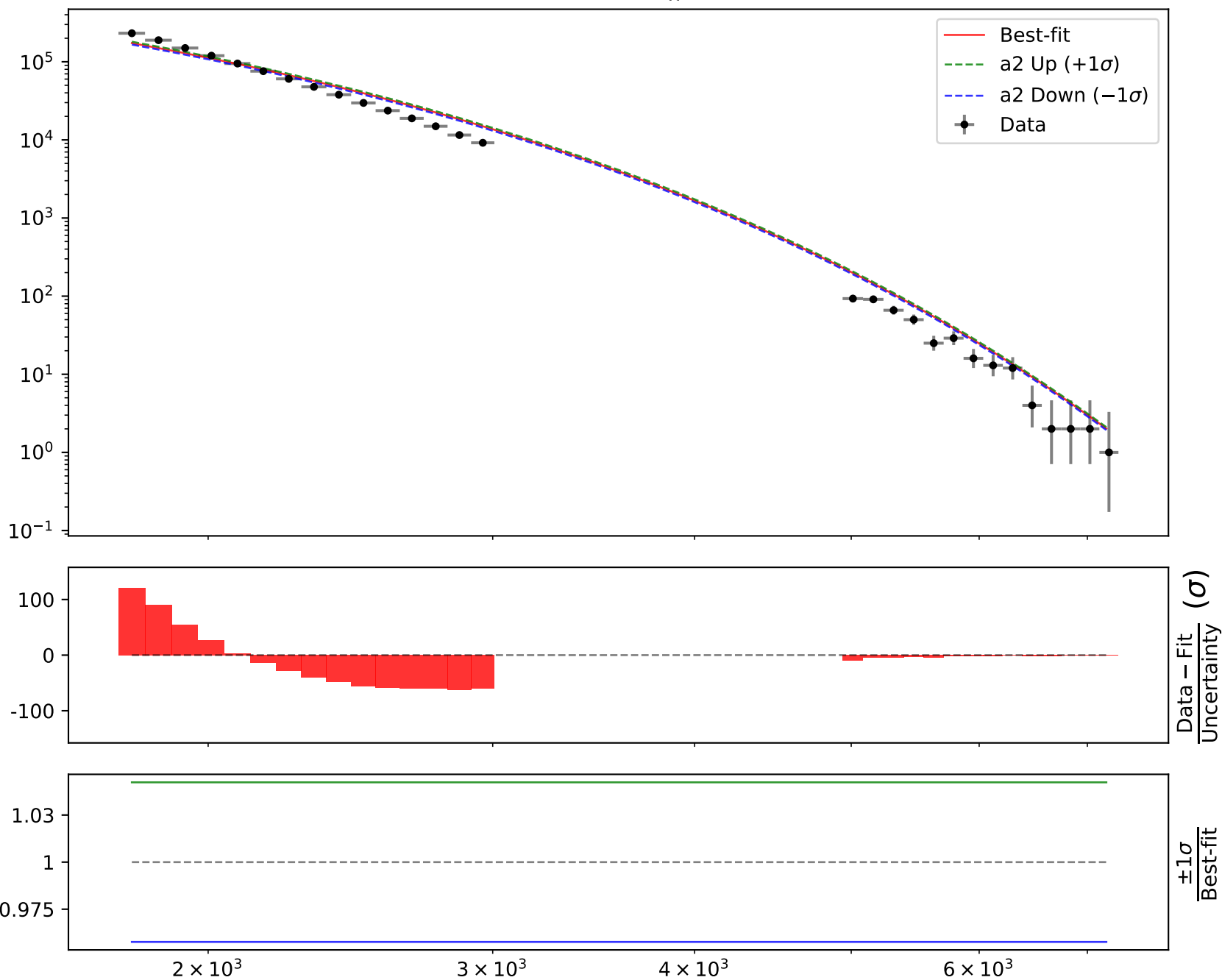
Candidate function #4

$$38458.1 * (a1 * ((x0 - 1794.0) * 0.000184332) * a2)$$

$$a1 = 1.1e-05, \quad a2 = 4.50697^{+0.191(4.24\%)}_{-0.191(4.24\%)}$$

**Candidate #4**

$$\chi^2/\text{NDF} = 53420.0/28, \text{RMSE} = 14510.0, \text{R2} = 0.9432$$



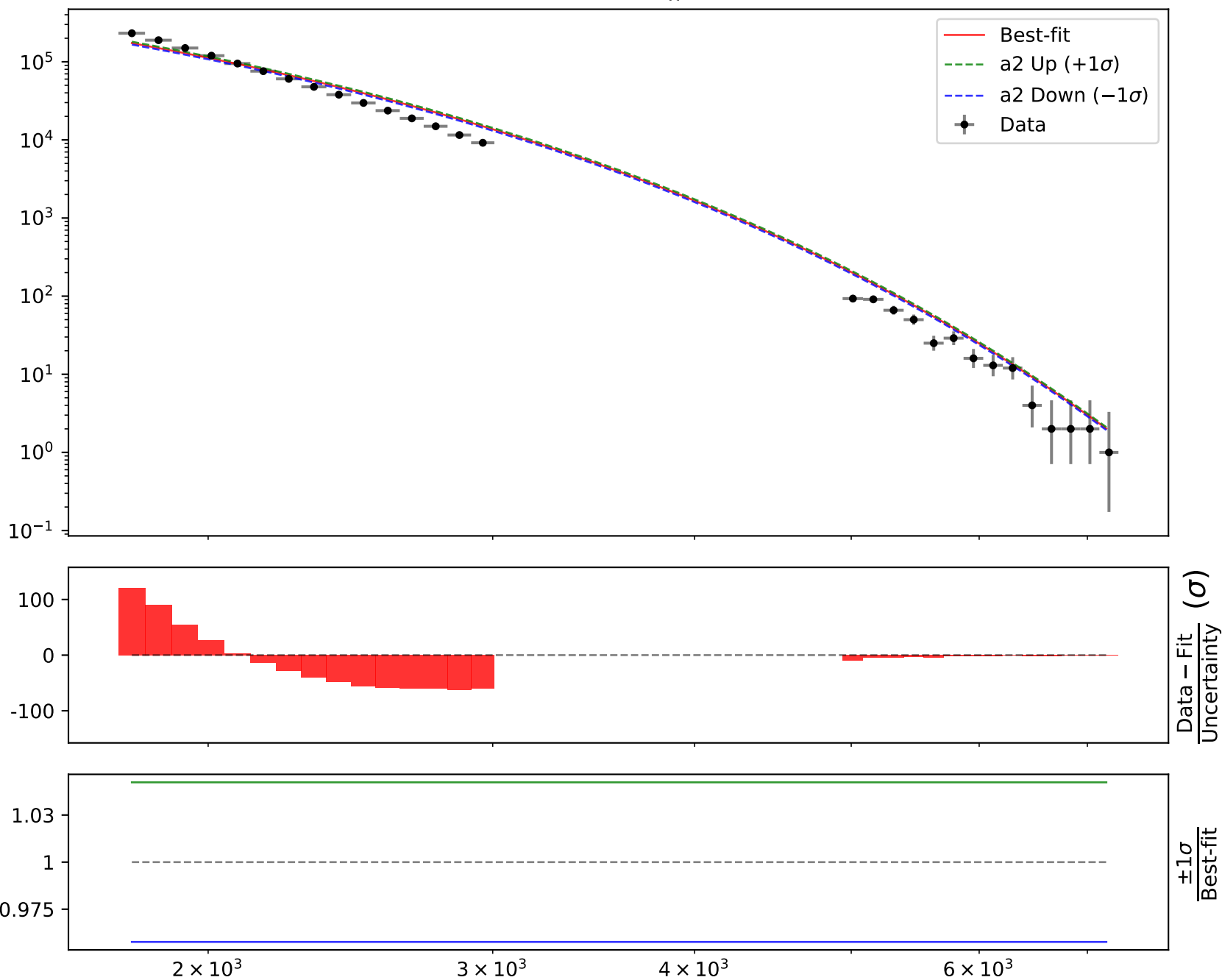
Candidate function #3

$$38458.1 * (a1 * ((x0 - 1794.0) * 0.000184332) * a2)$$

$$a1 = 1.1e-05, \quad a2 = 4.50697^{+0.191(4.24\%)}_{-0.191(4.24\%)}$$

**Candidate #3**

$$\chi^2/\text{NDF} = 53420.0/28, \text{RMSE} = 14510.0, \text{R2} = 0.9432$$

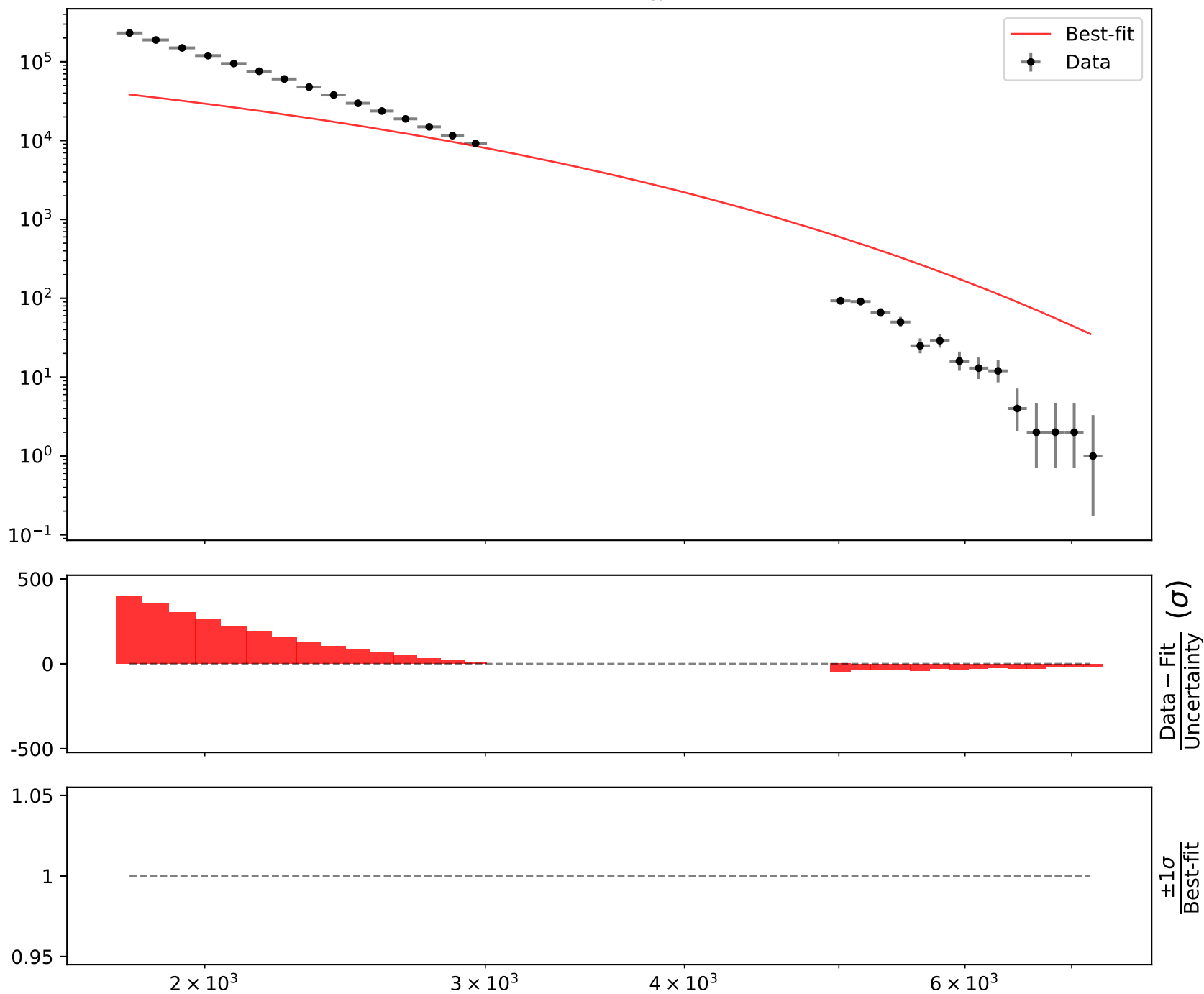


Candidate function #2

$$38458.1 * (a1 ** ((x0 - 1794.0) * 0.000184332))$$

$$a1 = 0.000885$$

$$\chi^2/\text{NDF} = 613800.0/29, \text{RMSE} = 56810.0, \text{R}^2 = 0.1304$$





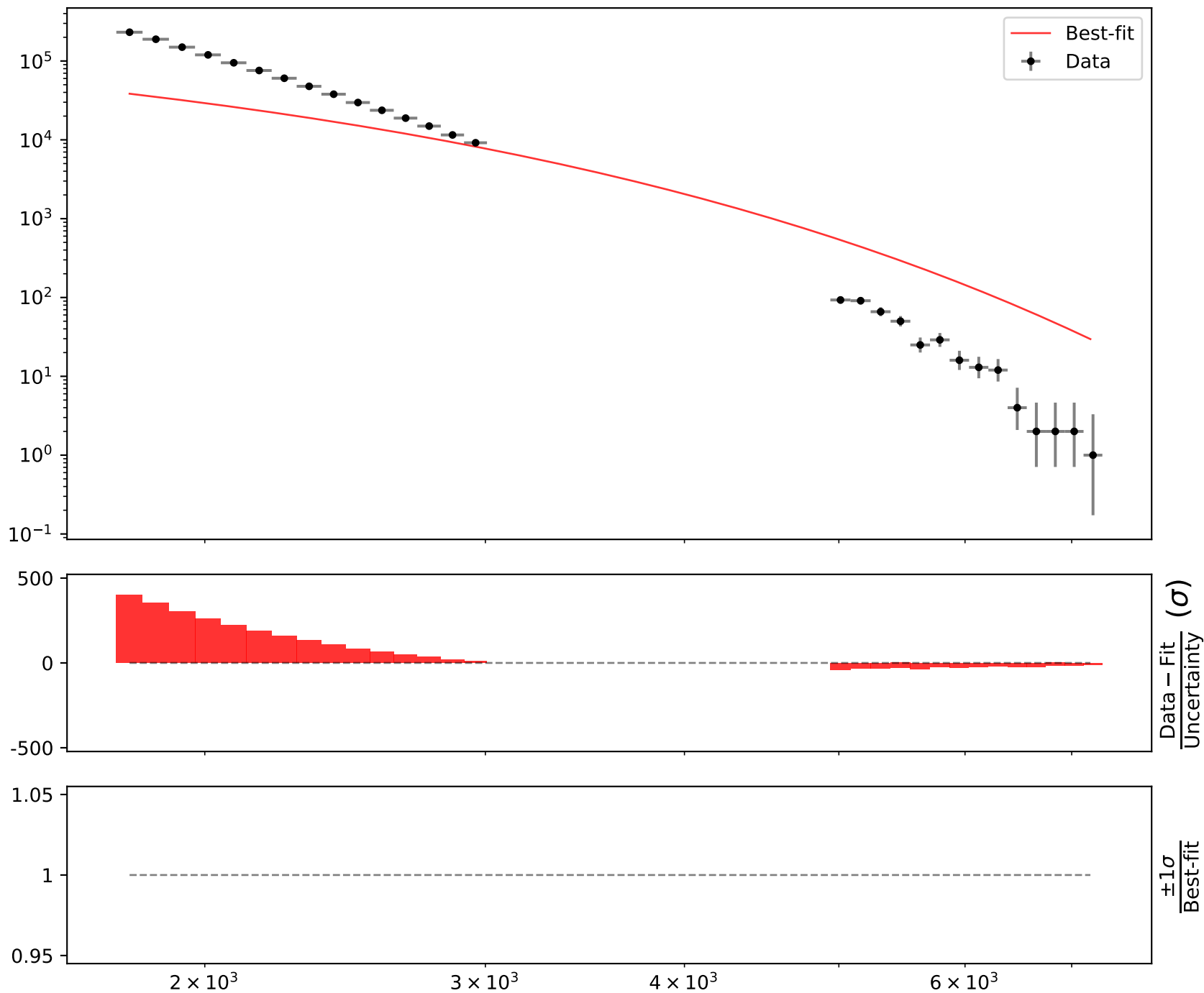
Candidate function #1

$$38458.1 * (a1 ** ((x0 - 1794.0) * 0.000184332))$$

**Candidate #1**

$$a1 = 0.000744$$

$$\chi^2/\text{NDF} = 614300.0/29, \text{RMSE} = 56890.0, \text{R2} = 0.1281$$



Candidate function #0

38458.1\*(a1)

a1 = 0.000619

 $\chi^2/\text{NDF} = 1115000.0/29$ , RMSE = 72030.0, R2 = -0.398