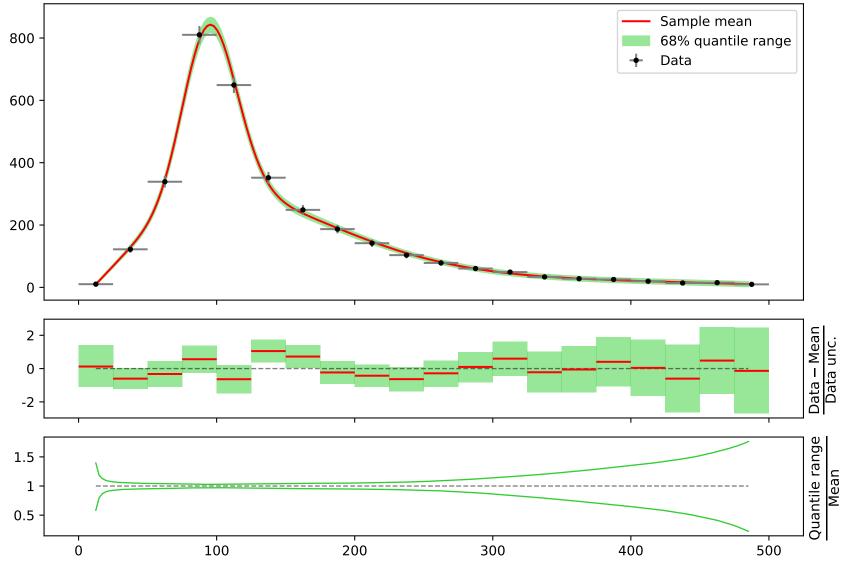
```
164.796*(a5*exp(((x0 - 12.5) * 0.00210526)) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526)) + (a8*gauss(a2)*gauss(a4 + 3*((x0 - 12.5) * 0.00210526)) + a8*gauss((a1 + 6*((x0 - 12.5) * 0.00210526)))*(a3 + ((x0 - 12.5) * 0.00210526))))*tanh(a8*((x0 - 12.5) * 0.00210526)))
```

$$\begin{array}{l} a1=-17.9,\ a2=-0.778236^{+0.026(3.34\%)}_{-0.026(3.34\%)},\\ a3=-0.167018^{+0.00124(0.742\%)}_{-0.00124(0.742\%)},\ a4=-0.141,\\ a5=-0.0795683^{+0.0157(19.7\%)}_{-0.0157(19.7\%)},\ a6=0.138973^{+0.0206(14.8\%)}_{-0.0206(14.8\%)},\\ a7=0.373675^{+0.0583(15.6\%)}_{-0.0583(15.6\%)},\ a8=4.93766^{+0.0759(1.54\%)}_{-0.0759(1.54\%)} \end{array}$$

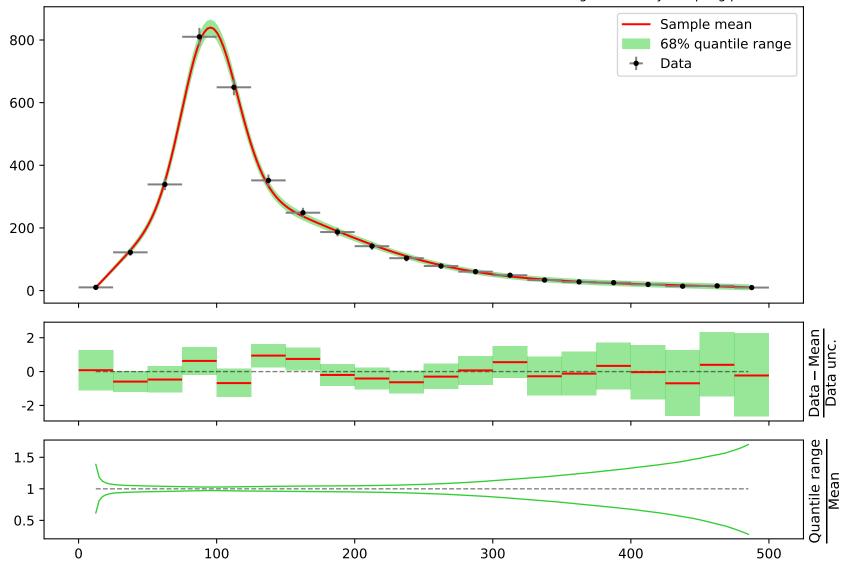
Candidate #39 Ensemble of functions generated by sampling parameters



```
164.796*(a5*exp(((x0 - 12.5) * 0.00210526)) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526)) + (a8*gauss(a2)*gauss(a4 + 3*((x0 - 12.5) * 0.00210526)) + a8*gauss((a1 + 6*((x0 - 12.5) * 0.00210526)))*(a3 + ((x0 - 12.5) * 0.00210526))))*tanh(a8*((x0 - 12.5) * 0.00210526)))
a1 = -17.7, \ a2 = -0.779618^{+0.0261(3.35\%)}_{-0.0261(3.35\%)},
```

 $\begin{array}{l} a1=-17.7,\ a2=-0.779618^{+0.0261(3.35\%)}_{-0.0261(3.35\%)},\\ a3=-0.166906^{+0.00125(0.749\%)}_{-0.00125(0.749\%)},\ a4=-0.141,\\ a5=-0.0805602^{+0.0157(19.5\%)}_{-0.0157(19.5\%)},\ a6=0.13999^{+0.0205(14.6\%)}_{-0.0205(14.6\%)},\\ a7=0.377537^{+0.0582(15.4\%)}_{-0.0582(15.4\%)},\ a8=4.92628^{+0.0755(1.53\%)}_{-0.0755(1.53\%)} \end{array}$

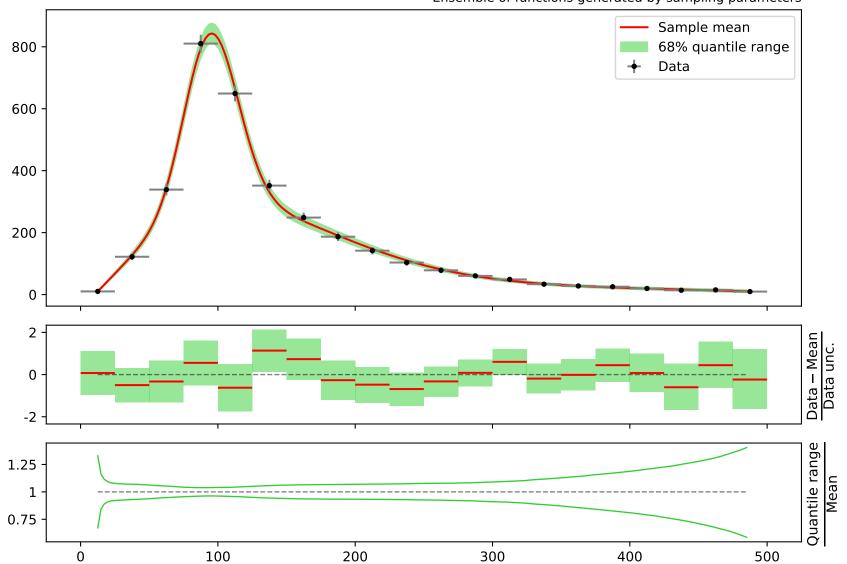
Candidate #38 Ensemble of functions generated by sampling parameters

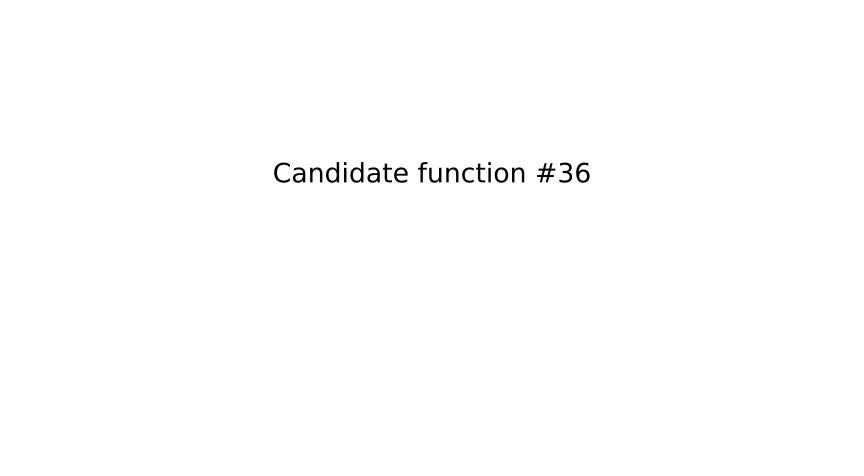


```
164.796*(a5*exp(((x0-12.5)*0.00210526)) + a6 + a7*((x0-12.5)*0.00210526)*gauss(((x0-12.5)*0.00210526)) + (a8*gauss(a2)*gauss(a4 + 3*((x0-12.5)*0.00210526)) + a8*gauss((a1 + 5*((x0-12.5)*0.00210526)))*(a3 + ((x0-12.5)*0.00210526))))*tanh(a8*((x0-12.5)*0.00210526)))
```

```
\begin{array}{l} a1=-17.7,\ a2=-0.789533^{+0.0466(5.9\%)}_{-0.0466(5.9\%)},\\ a3=-0.16706^{+0.0013(0.778\%)}_{-0.0013(0.778\%)},\ a4=-0.152208^{+0.0282(18.5\%)}_{-0.0282(18.5\%)},\\ a5=-0.0748574^{+0.00832(11.1\%)}_{-0.00832(11.1\%)},\ a6=0.135081^{+0.0185(13.7\%)}_{-0.0185(13.7\%)},\\ a7=0.353,\ a8=4.95092^{+0.0973(1.97\%)}_{-0.0973(1.97\%)} \end{array}
```

Candidate #37 Ensemble of functions generated by sampling parameters





```
164.796*(a5*exp(((x0 - 12.5) * 0.00210526)) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526)) + a6 + a7*((x0 - 12.5) * 0.00210526))
      4*((x0 - 12.5) * 0.00210526))*(a3 + ((x0 - 12.5) * 0.00210526))))*tanh(a8*((x0 - 12.5) * 0.00210526))))
      0.00210526)))
      a1 = -17.7, a2 = -0.783374^{+0.0481(6.14\%)}_{-0.0481(6.14\%)},
      a3 = -0.167347^{+0.00133(0.795\%)}_{-0.00133(0.795\%)},
                                           a4 = -0.148857^{+0.0289(19.4\%)}_{-0.0289(19.4\%)},
      a5 = -0.0746733^{+0.00858(11.5\%)}_{-0.00858(11.5\%)},
                                            a6 = 0.134664^{+0.0191(14.2\%)}_{-0.0191(14.2\%)},
      a7 = 0.353, a8 = 4.95222^{+0.1(2.02\%)}_{-0.1(2.02\%)}
                                                                                                                               Candidate #36
                                                                              Ensemble of functions generated by sampling parameters
                                                                                                                        Sample mean
800
                                                                                                                        68% quantile range
                                                                                                                       Data
600
400
200
   0
   2
                                                                                                                                                      Data unc.
   0
1.5
                                                                                                                                                   Quantile range
   1
```

300

400

500

100

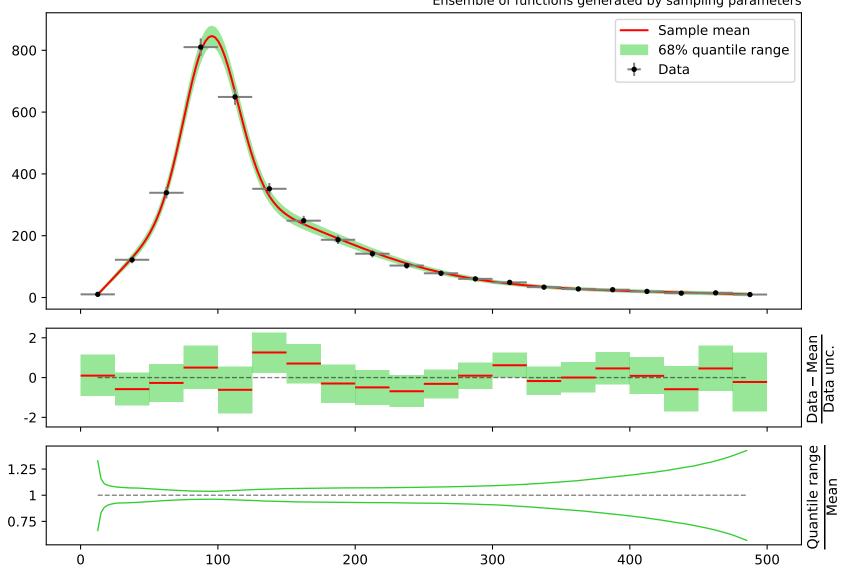
0

200

```
164.796*(a5*exp(((x0 - 12.5) * 0.00210526)) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526)) + (a8*gauss(a2)*gauss(a4 + 3*((x0 - 12.5) * 0.00210526)) + a8*gauss((a1 + 4*((x0 - 12.5) * 0.00210526)))*(a3 + ((x0 - 12.5) * 0.00210526))))*tanh(a8*((x0 - 12.5) * 0.00210526)))
a1 = -17.7, \ a2 = -0.783374^{+0.0481(6.14\%)}_{-0.0481(6.14\%)},
```

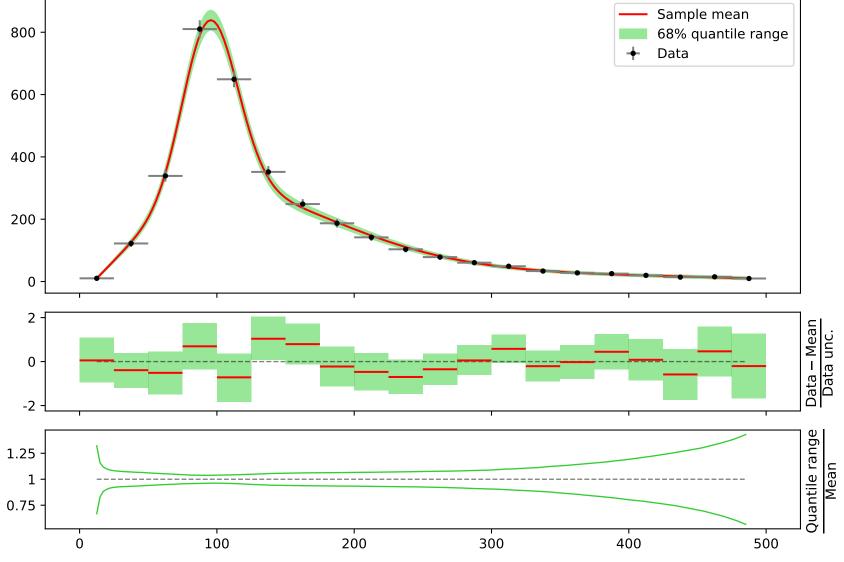
$$\begin{array}{l} a1=-17.7,\ a2=-0.783374^{+0.0481(6.14\%)}_{-0.0481(6.14\%)},\\ a3=-0.167347^{+0.00133(0.795\%)}_{-0.00133(0.795\%)},\ a4=-0.148857^{+0.0289(19.4\%)}_{-0.0289(19.4\%)},\\ a5=-0.0746733^{+0.00858(11.5\%)}_{-0.00858(11.5\%)},\ a6=0.134664^{+0.0191(14.2\%)}_{-0.0191(14.2\%)},\\ a7=0.353,\ a8=4.95222^{+0.1(2.02\%)} \end{array}$$

Candidate #35
Ensemble of functions generated by sampling parameters



```
164.796*(a5*exp(((x0 - 12.5) * 0.00210526)) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526)) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526))) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526)))) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526)))) + a6 + a7*((x0 - 12.5) * 0.00210526)) + a7*((x0 - 12.5) * 0.002106)) + a7*((x0 - 12.5) * 0.002106)) + a7*((x0 - 12.5) * 0.002106)) + a7*((x0 - 12.5) * 0.00
4*((x0-12.5)*0.00210526))*(a3+((x0-12.5)*0.00210526))))*tanh(a8*((x0-12.5)*0.00210526)))
0.00210526)))
a1 = -17.2, a2 = -0.799399^{+0.0475(5.94\%)}_{-0.0475(5.94\%)},
a3 = -0.166991^{+0.00133(0.796\%)}_{-0.00133(0.796\%)},
                                                                                                                                                             a4 = -0.159247^{+0.0293(18.4\%)}_{-0.0293(18.4\%)},
a5 = -0.0749998^{+0.00849(11.3\%)}_{-0.00849(11.3\%)},
                                                                                                                                                               a6 = 0.135265^{+0.0189(14.0\%)}_{-0.0189(14.0\%)},
a7 = 0.353, a8 = 4.94249^{+0.0991(2.01\%)}_{-0.0991(2.01\%)}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Data
```

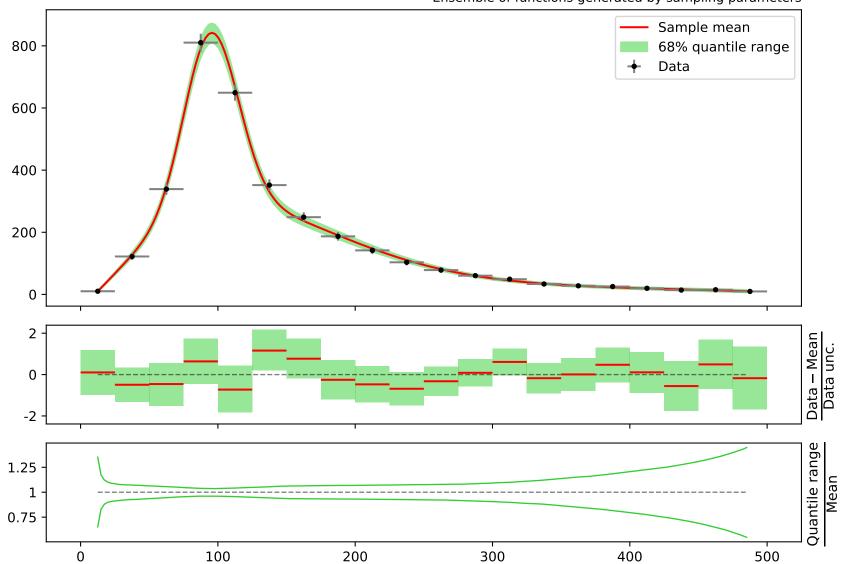
Candidate #34 Ensemble of functions generated by sampling parameters



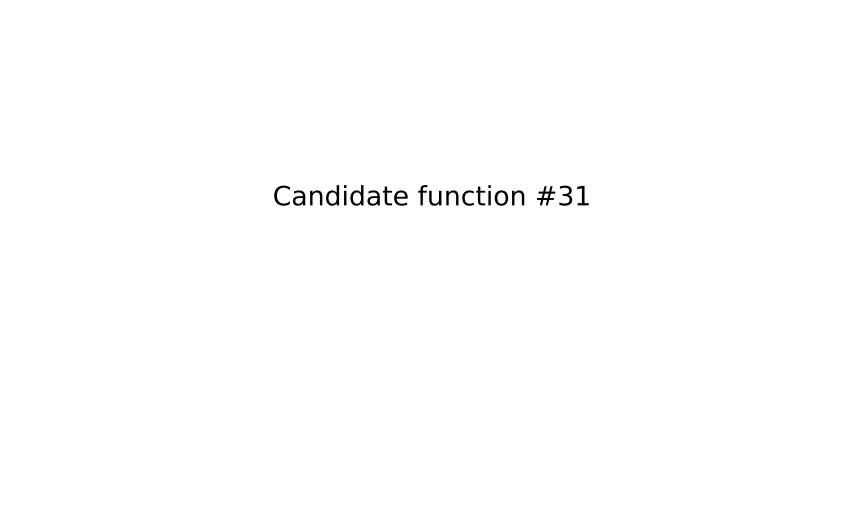
```
164.796*(a5*exp(((x0 - 12.5) * 0.00210526)) + a6 + a7*((x0 - 12.5) * 0.00210526)*gauss(((x0 - 12.5) * 0.00210526)) + (a8*gauss(a2)*gauss(a4 + 3*((x0 - 12.5) * 0.00210526)) + a8*gauss((a1 + 3*((x0 - 12.5) * 0.00210526)))*(a3 + ((x0 - 12.5) * 0.00210526))))*tanh(a8*((x0 - 12.5) * 0.00210526)))
a1 = -17.2, \ a2 = -0.792978^{+0.0487(6.14\%)}_{-0.0487(6.14\%)},
```

$$\begin{array}{l} a1=-17.2,\ a2=-0.792978^{+0.0487(6.14\%)}_{-0.0487(6.14\%)},\\ a3=-0.167284^{+0.00136(0.813\%)}_{-0.00136(0.813\%)},\ a4=-0.155699^{+0.0297(19.1\%)}_{-0.0297(19.1\%)},\\ a5=-0.0748126^{+0.00868(11.6\%)}_{-0.00868(11.6\%)},\ a6=0.134843^{+0.0193(14.3\%)}_{-0.0193(14.3\%)},\\ a7=0.353,\ a8=4.94369^{+0.101(2.04\%)}_{-0.101(2.04\%)} \end{array}$$

Candidate #33
Ensemble of functions generated by sampling parameters



```
164.796*(a3*((x0 - 12.5) * 0.00210526) + a4 + a6*gauss(((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526)))
      12.5) * 0.00210526)))*tanh(((x0 - 12.5) * 0.00210526)*(a5 + 8*((x0 - 12.5) * 0.00210526))) +
      a6*gauss(a2 + a7*((x0 - 12.5) * 0.00210526)))
      a1 = -3.24139^{+0.0359(1.11\%)}_{-0.0359(1.11\%)},
                                           a2 = -3.07747^{+0.135(4.39\%)}_{-0.135(4.39\%)},
      a3 = -0.00637, a4 = 0.0575278^{+0.00781(13.6\%)}_{-0.00781(13.6\%)},
      a5 = 3.33033^{+0.376(11.3\%)}_{-0.376(11.3\%)},
                                       a6 = 3.40896^{+0.0983(2.88\%)}_{-0.0983(2.88\%)},
                                                                                                                                         Candidate #32
      a7 = 17.7139^{+0.741(4.18\%)}_{-0.741(4.18\%)}
                                                                                    Ensemble of functions generated by sampling parameters
                                                                                                                                 Sample mean
                                                                                                                                 68% quantile range
800
                                                                                                                                 Data
600
400
200
   0
   5
                                                                                                                                                                  Data unc.
   0
                                                                                                                                                              Quantile range
1.1
                                                                                                                                                                  Mean
0.9
                                      100
                                                                  200
                                                                                             300
                                                                                                                         400
                                                                                                                                                    500
            0
```

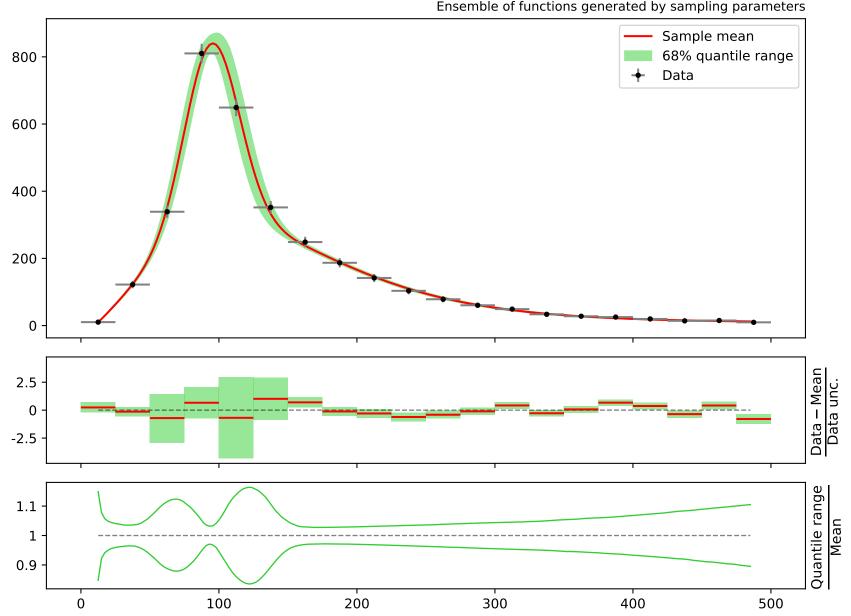


```
164.796*(a3*((x0 - 12.5) * 0.00210526) + a4 + a5*gauss(((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526)))*tanh(((x0 - 12.5) * 0.00210526)*(a5 + 7*((x0 - 12.5) * 0.00210526))) + a5*gauss(a2 + a6*((x0 - 12.5) * 0.00210526)))
```

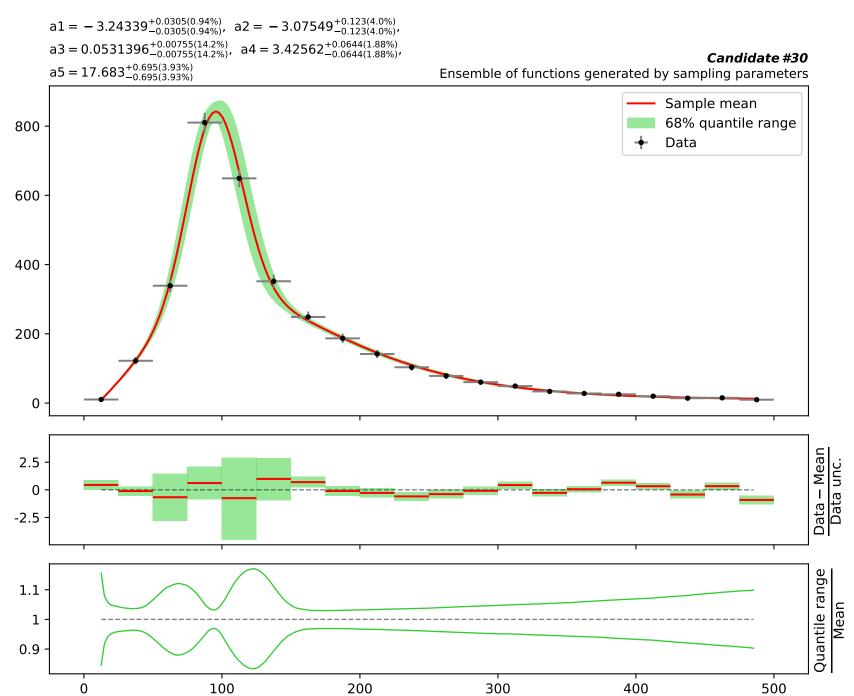
```
\begin{split} \text{a1} &= -3.24089^{+0.0299(0.923\%)}_{-0.0299(0.923\%)}, \ \text{a2} = -3.07188^{+0.12(3.91\%)}_{-0.12(3.91\%)}, \\ \text{a3} &= -0.00637, \ \text{a4} = 0.0571771^{+0.0074(12.9\%)}_{-0.0074(12.9\%)}, \end{split}
```

$$a5 = 3.41896^{+0.063(1.84\%)}_{-0.063(1.84\%)}, \quad a6 = 17.6616^{+0.681(3.86\%)}_{-0.681(3.86\%)}$$

Candidate #31 Ensemble of functions generated by sampling parameters



164.796*(a3 + a4*gauss(((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526)))*tanh(((x0 - 12.5) * 0.00210526))*(a4 + 7*((x0 - 12.5) * 0.00210526))) + a4*gauss(a2 + a5*((x0 - 12.5) * 0.00210526)))



164.796*(a3 + a4*gauss(((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526)))*tanh(((x0 - 12.5) * 0.00210526))*(a4 + 6*((x0 - 12.5) * 0.00210526))) + a4*gauss(a2 + a5*((x0 - 12.5) * 0.00210526)))

100

0

200

 $a1 = -3.24591^{+0.0314(0.967\%)}_{-0.0314(0.967\%)},$ $a2 = -3.05965^{+0.125(4.09\%)}_{-0.125(4.09\%)},$ $\mathsf{a3} = 0.053118^{+0.00778(14.6\%)}_{-0.00778(14.6\%)},$ $a4 = 3.4503^{+0.0662(1.92\%)}_{-0.0662(1.92\%)},$ Candidate #29 $a5 = 17.5793^{+0.705(4.01\%)}_{-0.705(4.01\%)}$ Ensemble of functions generated by sampling parameters Sample mean 68% quantile range 800 Data 600 400 200 0 2.5 Data unc. 0 -2.5 Quantile range 1.1 Mean 1 0.9

300

400

500

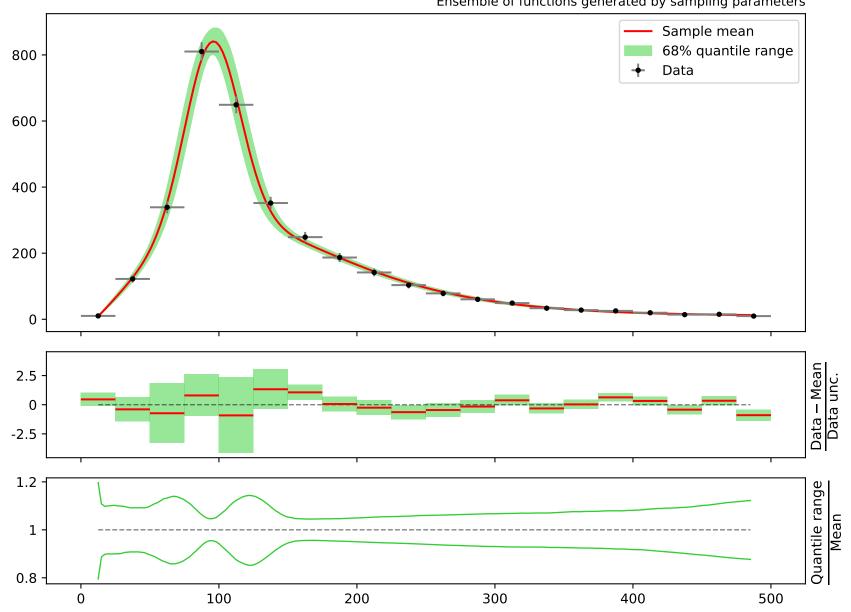
164.796*(a3 + a4*gauss(((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526)))*tanh(((x0 - 12.5) * 0.00210526))*(a4 + 5*((x0 - 12.5) * 0.00210526))) + a4*gauss(a2 + a5*((x0 - 12.5) * 0.00210526)))

 $\mathrm{a1} = -3.24777^{+0.0325(1.0\%)}_{-0.0325(1.0\%)},$ $a2 = -3.04431^{+0.127(4.17\%)}_{-0.127(4.17\%)},$ $a3 = 0.0529738^{+0.00808(15.3\%)}_{-0.00808(15.3\%)}, \quad a4 = 3.47677^{+0.0684(1.97\%)}_{-0.0684(1.97\%)},$ Candidate #28 $a5 = 17.4754^{+0.719(4.11\%)}_{-0.719(4.11\%)}$ Ensemble of functions generated by sampling parameters Sample mean 68% quantile range 800 Data 600 400 200 0 5 – Mean Data unc. 0 -5 Quantile range 1.1 0.9 100 200 300 400 500 0

```
164.796*(a3 + a6*gauss(((x0 - 12.5) * 0.00210526)*(a2 + ((x0 - 12.5) * 0.00210526)))*tanh(((x0 - 12.5) * 0.00210526))*(a5 + 4*((x0 - 12.5) * 0.00210526))) + a6*gauss(a1*((x0 - 12.5) * 0.00210526) + a4))
```

```
\begin{array}{ll} a1=-17.4302^{+0.845(4.85\%)}_{-0.845(4.85\%)}, & a2=-3.24527^{+0.0411(1.27\%)}_{-0.0411(1.27\%)}, \\ a3=0.0522961^{+0.00906(17.3\%)}_{-0.00906(17.3\%)}, & a4=3.04118^{+0.154(5.06\%)}_{-0.154(5.06\%)}, \\ a5=3.57612^{+0.454(12.7\%)}_{-0.454(12.7\%)}, & a6=3.48837^{+0.129(3.7\%)}_{-0.129(3.7\%)} \end{array}
```

Candidate #27 Ensemble of functions generated by sampling parameters



```
164.796*(a3 + (a5 + tanh(((x0 - 12.5) * 0.00210526))))*(gauss(a2 + a7*((x0 - 12.5) * 0.00210526))))
      0.00210526)) + gauss(a4 + ((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) *
      0.00210526))*tanh(((x0 - 12.5) * 0.00210526)*(a6 + ((x0 - 12.5) * 0.00210526)))))
      a1 = -3.63, a2 = -3.02609^{+0.163(5.39\%)}_{-0.163(5.39\%)},
      \mathsf{a3} = 0.0697239^{+0.00716(10.3\%)}_{-0.00716(10.3\%)},
                                            a4 = 0.168159^{+0.0188(11.2\%)}_{-0.0188(11.2\%)},
      a5 = 3.21832^{+0.155(4.82\%)}_{-0.155(4.82\%)},
                                                                                                                                        Candidate #26
      a7 = 17.4593^{+0.907(5.19\%)}_{-0.907(5.19\%)}
                                                                                   Ensemble of functions generated by sampling parameters
                                                                                                                               Sample mean
                                                                                                                                68% quantile range
800
                                                                                                                               Data
600
400
200
   0
   5
                                                                                                                                                             – Mean
                                                                                                                                                                Data unc.
   0
                                                                                                                                                             Data
  -5
1.2
                                                                                                                                                             Quantile range
   1
0.8
                                      100
                                                                 200
                                                                                            300
                                                                                                                       400
                                                                                                                                                  500
```

```
164.796*(a3 + (a5 + tanh(((x0 - 12.5) * 0.00210526))))*(gauss(a2 + a7*((x0 - 12.5) * 0.00210526))))
      0.00210526)) + gauss(a4 + ((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) *
      0.00210526))*tanh(((x0 - 12.5) * 0.00210526)*(a6 + ((x0 - 12.5) * 0.00210526)))))
      a1 = -3.63, a2 = -3.02608^{+0.163(5.39\%)}_{-0.163(5.39\%)},
      \mathsf{a3} = 0.0697239^{+0.00716(10.3\%)}_{-0.00716(10.3\%)},
                                           a4 = 0.168159^{+0.0188(11.2\%)}_{-0.0188(11.2\%)},
      a5 = 3.21831^{+0.155(4.82\%)}_{-0.155(4.82\%)},
                                                                                                                                       Candidate #25
      a7 = 17.4593^{+0.907(5.19\%)}_{-0.907(5.19\%)}
                                                                                  Ensemble of functions generated by sampling parameters
                                                                                                                              Sample mean
                                                                                                                               68% quantile range
800
                                                                                                                              Data
600
400
200
   0
                                                                                                                                                               Data unc.
   0
                                                                                                                                                            Data
1.2
                                                                                                                                                           Quantile range
   1
0.8
                                      100
                                                                 200
                                                                                            300
                                                                                                                      400
                                                                                                                                                 500
```

```
164.796*(a3 + (a5 + ((x0 - 12.5) * 0.00210526))*(gauss(a2 + a7*((x0 - 12.5) * 0.00210526)) + gauss(a4 + ((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526)))*tanh(a6*((x0 - 12.5) * 0.00210526)))
        0.00210526))))
        a1 = -3.63, a2 = -3.01684^{+0.161(5.34\%)}_{-0.161(5.34\%)},
        \text{a3} = 0.0678035^{+0.00725(10.7\%)}_{-0.00725(10.7\%)}\text{,}
                                                       a4 = 0.172713^{+0.0185(10.7\%)}_{-0.0185(10.7\%)},
        a5 = 3.23376^{+0.154(4.76\%)}_{-0.154(4.76\%)}, \quad a6 = 3.81948^{+0.46(12.0\%)}_{-0.46(12.0\%)},
                                                                                                                                                                          Candidate #24
        a7 = 17.3783^{+0.893(5.14\%)}_{-0.893(5.14\%)}
                                                                                                        Ensemble of functions generated by sampling parameters
                                                                                                                                                                Sample mean
                                                                                                                                                                68% quantile range
800
                                                                                                                                                                Data
600
400
200
    0
    5
                                                                                                                                                                                                         Data unc.
    0
                                                                                                                                                                                                     Data
   -5
1.2
                                                                                                                                                                                                     Quantile range
    1
0.8
                                                100
                                                                                  200
                                                                                                                    300
                                                                                                                                                      400
                                                                                                                                                                                        500
```

```
164.796*(a3 + (a5 + ((x0 - 12.5) * 0.00210526))*(gauss(a2 + a7*((x0 - 12.5) * 0.00210526)) + gauss(a4 + ((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526)))*tanh(a6*((x0 - 12.5) * 0.00210526)))
        0.00210526))))
        a1 = -3.63, a2 = -3.01683^{+0.161(5.34\%)}_{-0.161(5.34\%)},
        \text{a3} = 0.0678035^{+0.00725(10.7\%)}_{-0.00725(10.7\%)}\text{,}
                                                       a4 = 0.172713^{+0.0185(10.7\%)}_{-0.0185(10.7\%)},
        a5 = 3.23376^{+0.154(4.76\%)}_{-0.154(4.76\%)}, \quad a6 = 3.81948^{+0.46(12.0\%)}_{-0.46(12.0\%)},
                                                                                                                                                                          Candidate #23
        a7 = 17.3783^{+0.893(5.14\%)}_{-0.893(5.14\%)}
                                                                                                        Ensemble of functions generated by sampling parameters
                                                                                                                                                                Sample mean
                                                                                                                                                                68% quantile range
800
                                                                                                                                                                Data
600
400
200
    0
                                                                                                                                                                                                         Data unc.
    0
                                                                                                                                                                                                     Data
   -5
1.2
                                                                                                                                                                                                     Quantile range
    1
8.0
                                                100
                                                                                  200
                                                                                                                    300
                                                                                                                                                      400
                                                                                                                                                                                        500
```

```
164.796*(a4 + a5*gauss(a2*((x0 - 12.5) * 0.00210526))*tanh(a5*((x0 - 12.5) * 0.00210526)) +
      a5*gauss((a1 + a5*((x0 - 12.5) * 0.00210526)))*(a3 + ((x0 - 12.5) * 0.00210526))))
      \mathsf{a1} = -17.2441^{+0.863(5.0\%)}_{-0.863(5.0\%)},
                                        a2 = -2.71795^{+0.0456(1.68\%)}_{-0.0456(1.68\%)},
      a3 = -0.173846^{+0.00183(1.05\%)}_{-0.00183(1.05\%)}, \ a4 = 0.0791052^{+0.00874(11.0\%)}_{-0.00874(11.0\%)},
                                                                                                                                        Candidate #22
      a5 = 3.48246^{+0.0854(2.45\%)}_{-0.0854(2.45\%)}
                                                                                   Ensemble of functions generated by sampling parameters
                                                                                                                               Sample mean
                                                                                                                               68% quantile range
800
                                                                                                                               Data
600
400
200
   0
                                                                                                                                                            Mean
                                                                                                                                                                Data unc.
   0
1.1
                                                                                                                                                            Quantile range
   1
0.9
                                      100
                                                                 200
                                                                                            300
                                                                                                                       400
                                                                                                                                                  500
```

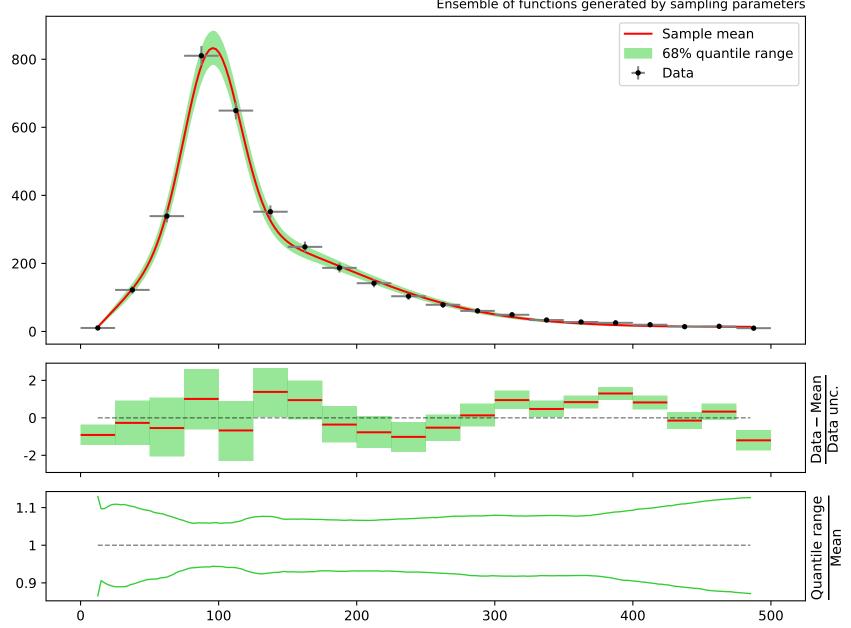


```
164.796*(a4 + a5*gauss(a2*((x0 - 12.5) * 0.00210526))*tanh(a5*((x0 - 12.5) * 0.00210526)) +
      a5*gauss((a1 + a5*((x0 - 12.5) * 0.00210526)))*(a3 + ((x0 - 12.5) * 0.00210526))))
      \mathsf{a1} = -17.2441^{+0.863(5.0\%)}_{-0.863(5.0\%)},
                                        a2 = -2.71795^{+0.0456(1.68\%)}_{-0.0456(1.68\%)},
      a3 = -0.173846^{+0.00183(1.05\%)}_{-0.00183(1.05\%)}, \ a4 = 0.0791052^{+0.00874(11.0\%)}_{-0.00874(11.0\%)},
                                                                                                                                       Candidate #21
      a5 = 3.48246^{+0.0854(2.45\%)}_{-0.0854(2.45\%)}
                                                                                   Ensemble of functions generated by sampling parameters
                                                                                                                               Sample mean
                                                                                                                               68% quantile range
800
                                                                                                                               Data
600
400
200
   0
                                                                                                                                                               Data unc.
   0
  -2
                                                                                                                                                            Quantile range
1.1
   1
0.9
                                      100
                                                                 200
                                                                                            300
                                                                                                                       400
                                                                                                                                                  500
```

```
164.796*(a4 + a6*gauss(a2*((x0 - 12.5) * 0.00210526))*tanh(a5*((x0 - 12.5) * 0.00210526)) + a6*gauss((a1 + ((x0 - 12.5) * 0.00210526))*(a3 + ((x0 - 12.5) * 0.00210526))))
```

$$\begin{split} \text{a1} &= -16.9446^{+1.02(6.02\%)}_{-1.02(6.02\%)}, \ \text{a2} &= -2.71726^{+0.0491(1.81\%)}_{-0.0491(1.81\%)}, \\ \text{a3} &= -0.174303^{+0.00199(1.14\%)}_{-0.00199(1.14\%)}, \ \text{a4} &= 0.078953^{+0.0093(11.8\%)}_{-0.0093(11.8\%)}, \\ \text{a5} &= 3.54797^{+0.541(15.2\%)}_{-0.541(15.2\%)}, \ \text{a6} &= 3.46844^{+0.188(5.42\%)}_{-0.188(5.42\%)} \end{split}$$

Candidate #20 Ensemble of functions generated by sampling parameters

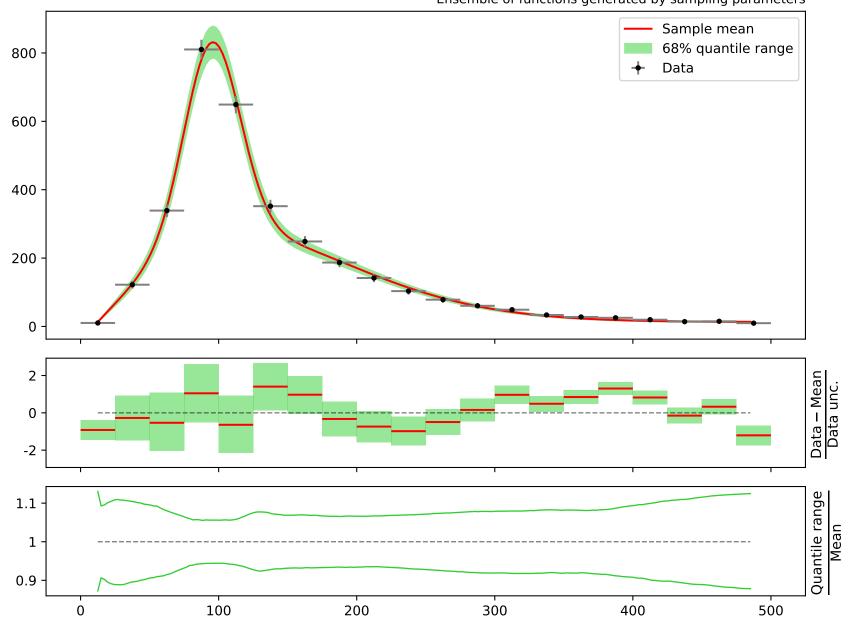




```
164.796*(a4 + a6*gauss(a2*((x0 - 12.5) * 0.00210526))*tanh(a5*((x0 - 12.5) * 0.00210526)) + a6*gauss((a1 + ((x0 - 12.5) * 0.00210526)))*(a3 + ((x0 - 12.5) * 0.00210526))))
```

 $\begin{array}{l} a1 = -16.9446^{+1.02(6.02\%)}_{-1.02(6.02\%)}, \ a2 = -2.71726^{+0.0491(1.81\%)}_{-0.0491(1.81\%)}, \\ a3 = -0.174303^{+0.00199(1.14\%)}_{-0.00199(1.14\%)}, \ a4 = 0.078953^{+0.0093(11.8\%)}_{-0.0093(11.8\%)}, \\ a5 = 3.54797^{+0.541(15.2\%)}_{-0.541(15.2\%)}, \ a6 = 3.46844^{+0.188(5.42\%)}_{-0.188(5.42\%)} \end{array}$

Candidate #19
Ensemble of functions generated by sampling parameters





164.796*(a2 + a5*gauss(a3*((x0 - 12.5) * 0.00210526))*tanh(a5*((x0 - 12.5) * 0.00210526)) + a5*gauss(a1*((x0 - 12.5) * 0.00210526) + a4))

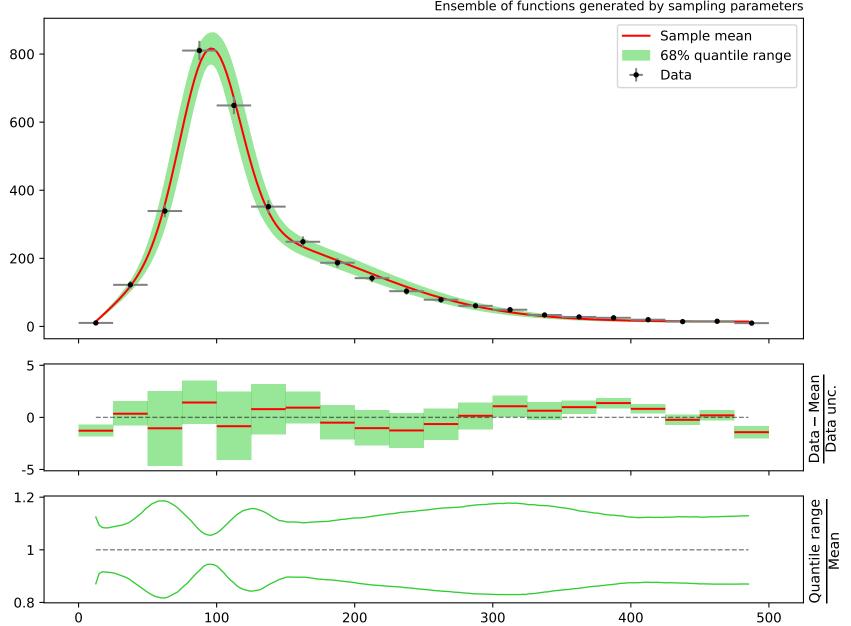
 $\mathtt{a1} = -16.7582^{+0.906(5.41\%)}_{-0.906(5.41\%)},$ $a2 = 0.0788957^{+0.00911(11.5\%)}_{-0.00911(11.5\%)},$ $a3 = 2.71789^{+0.0478(1.76\%)}_{-0.0478(1.76\%)},$ $a4 = 2.92336^{+0.158(5.4\%)}_{-0.158(5.4\%)},$ Candidate #18 $a5 = 3.48938^{+0.0898(2.57\%)}_{-0.0898(2.57\%)}$ Ensemble of functions generated by sampling parameters Sample mean 68% quantile range 800 Data 600 400 200 0 Data – Mean Data unc. 2.5 0 -2.5 Quantile range 1.1 1 0.9 100 200 300 400 500 0



```
164.796*(a2 + a5*gauss(a1*((x0 - 12.5) * 0.00210526) + a3) + a6*((x0 - 12.5) * 0.00210526)*gauss(a4*((x0 - 12.5) * 0.00210526)))
```

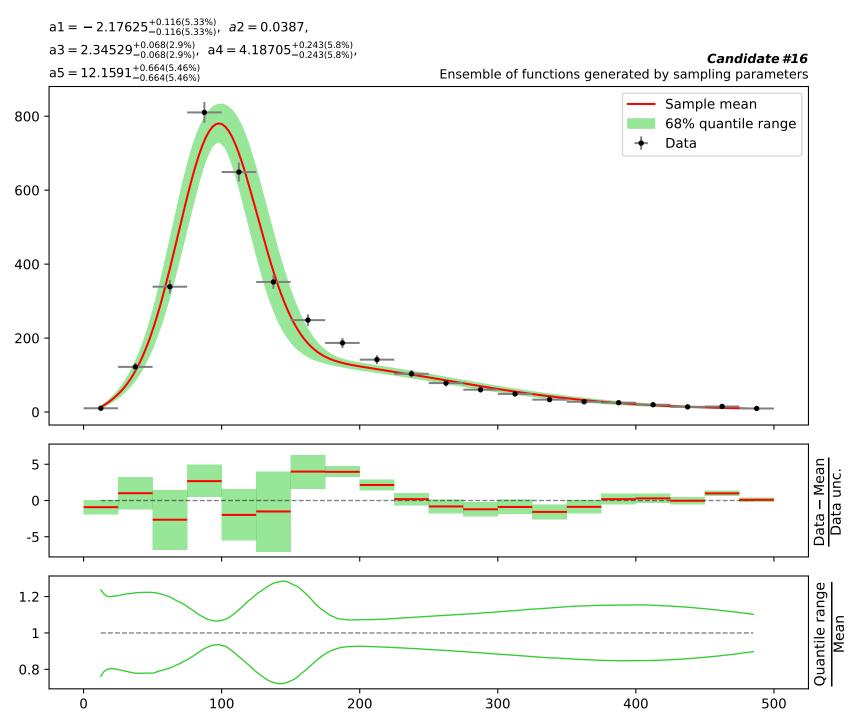
$$\begin{split} \text{a1} &= -16.0021^{+0.958(5.99\%)}_{-0.958(5.99\%)}, \ \text{a2} &= 0.0838712^{+0.0107(12.8\%)}_{-0.0107(12.8\%)}, \\ \text{a3} &= 2.78503^{+0.165(5.92\%)}_{-0.165(5.92\%)}, \ \text{a4} &= 3.03884^{+0.0876(2.88\%)}_{-0.0876(2.88\%)}, \\ \text{a5} &= 3.59993^{+0.2(5.56\%)}_{-0.2(5.56\%)}, \ \text{a6} &= 10.3856^{+1.02(9.82\%)}_{-1.02(9.82\%)} \end{split}$$

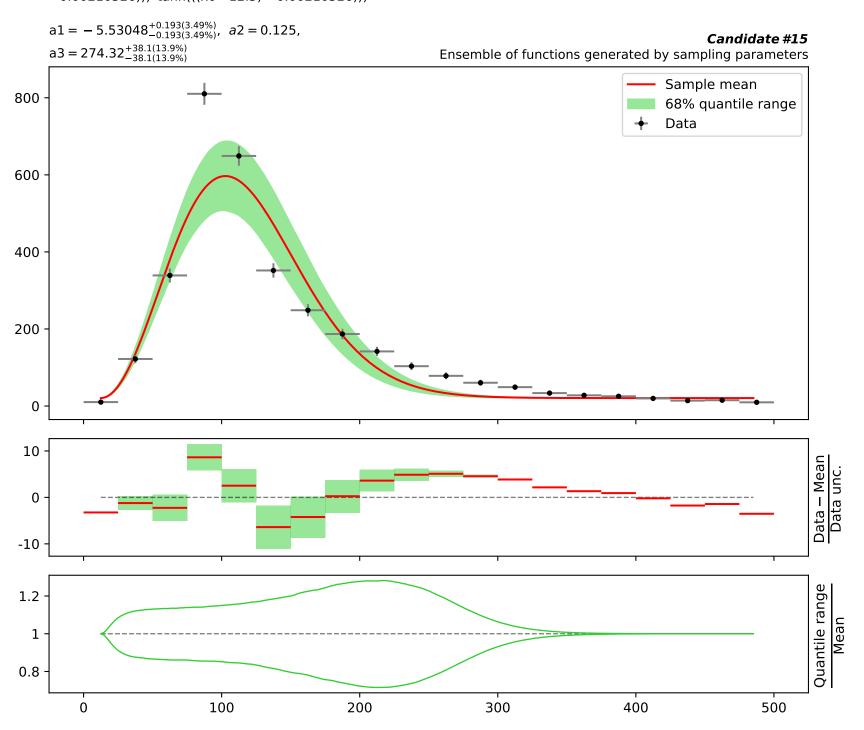
Candidate #17 Ensemble of functions generated by sampling parameters



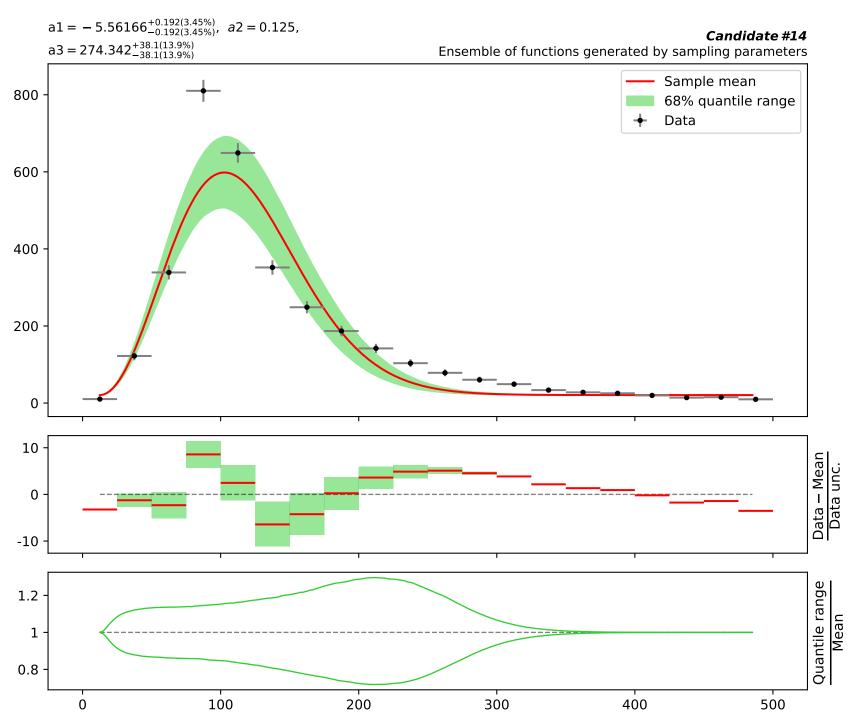


164.796*(a2 + a4*((x0 - 12.5) * 0.00210526)*gauss(a3*((x0 - 12.5) * 0.00210526)) + a4*gauss(a1 + a5*((x0 - 12.5) * 0.00210526)))

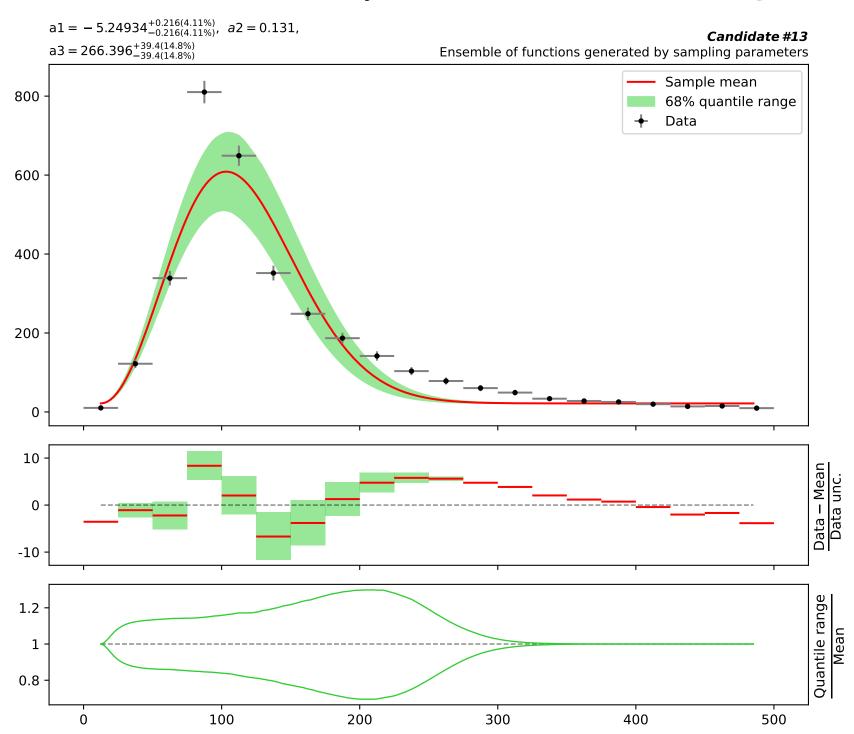


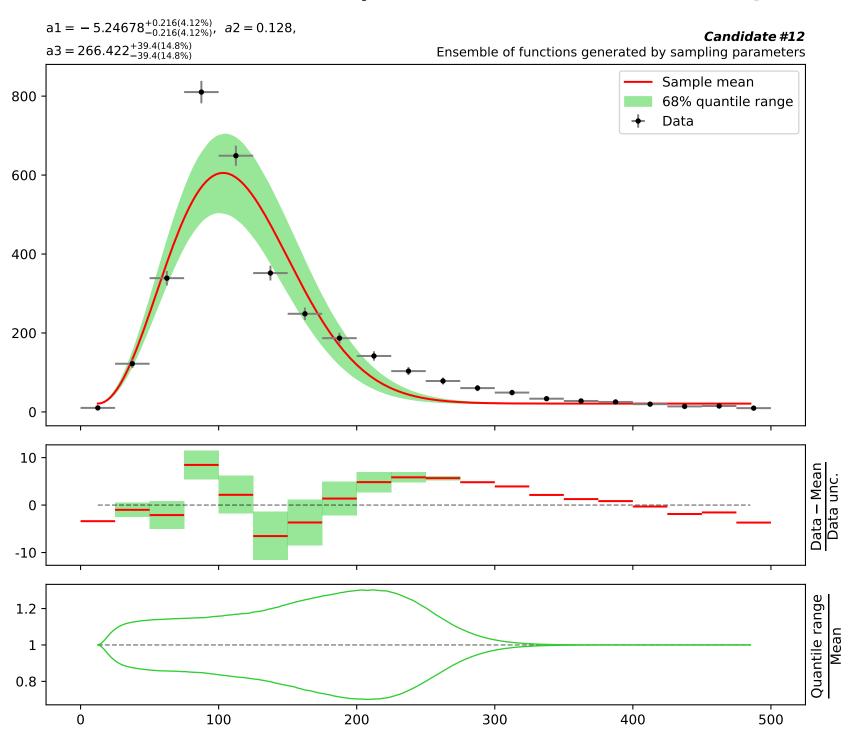


164.796*(a2 + a3*((x0 - 12.5) * 0.00210526)**2*gauss(((x0 - 12.5) * 0.00210526)*(a1 + ((x0 - 12.5) * 0.00210526))))

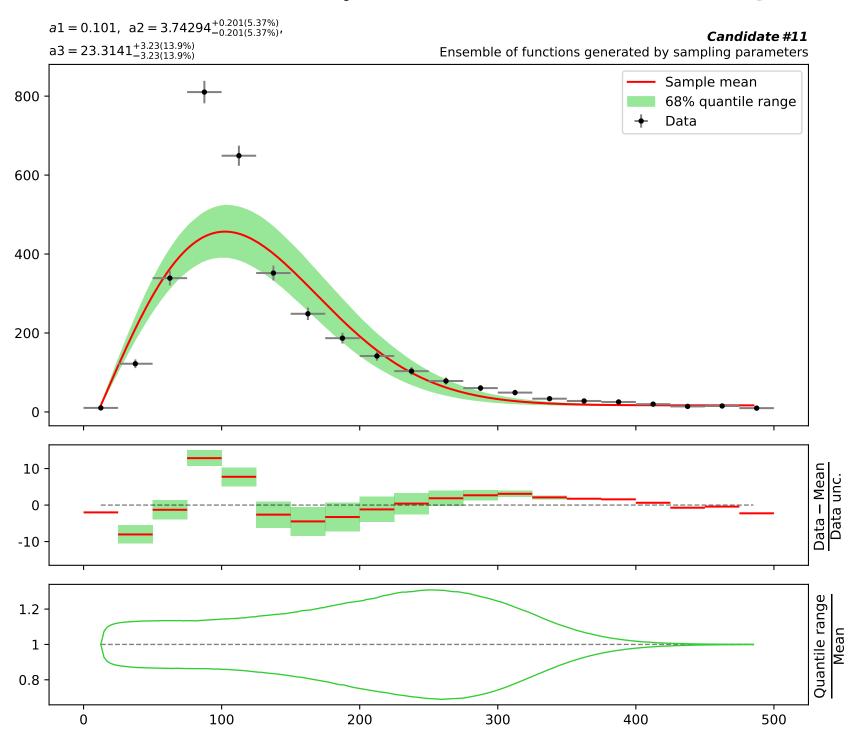




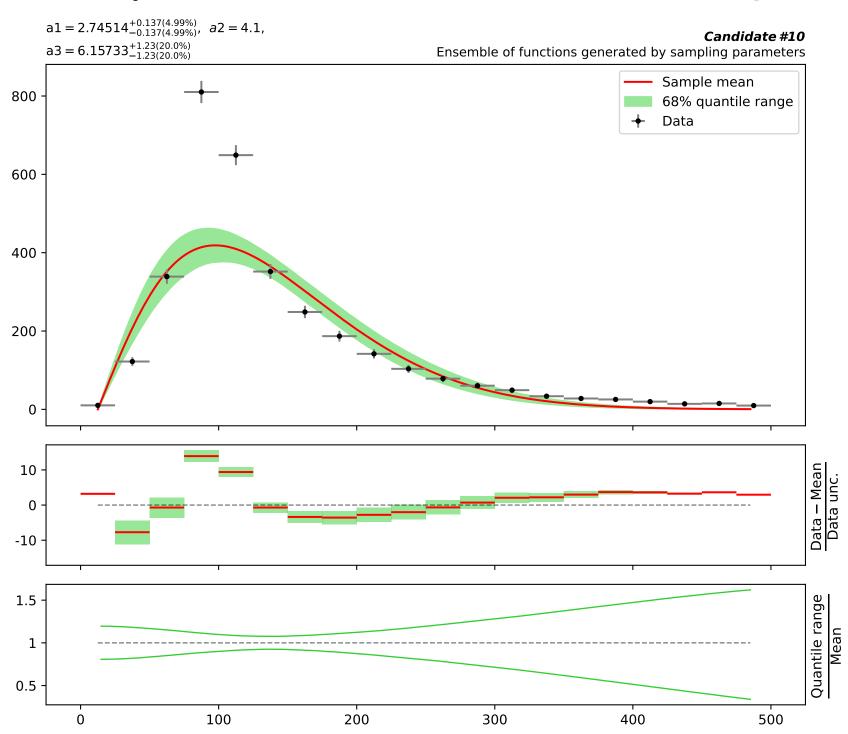














$$\begin{split} a1 &= -10.2064^{+1.07(10.5\%)}_{-1.07(10.5\%)}, \ a2 = 0.138, \\ a3 &= 1.98672^{+0.207(10.4\%)}_{-0.207(10.4\%)}, \ a4 = 4.26637^{+0.642(15.0\%)}_{-0.642(15.0\%)} \end{split}$$

Candidate #9
Ensemble of functions generated by sampling parameters

