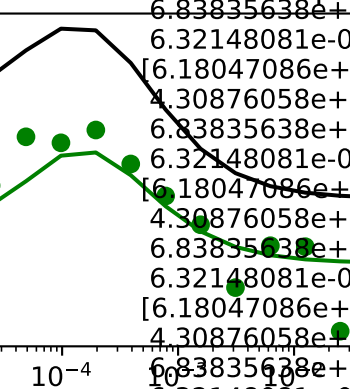
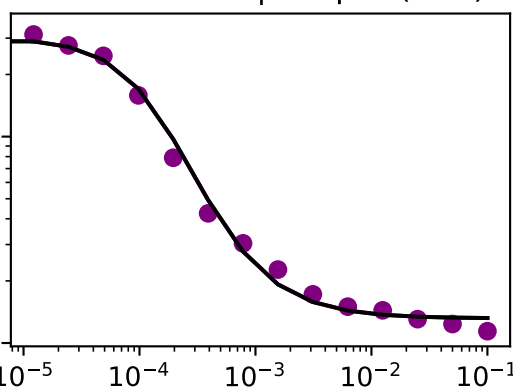
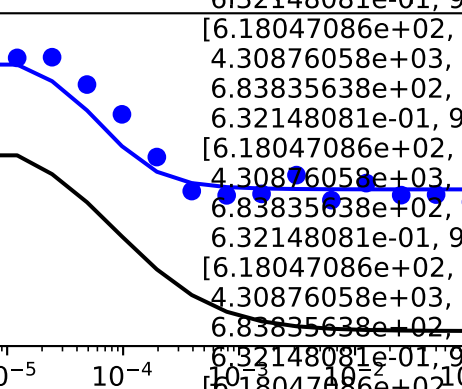
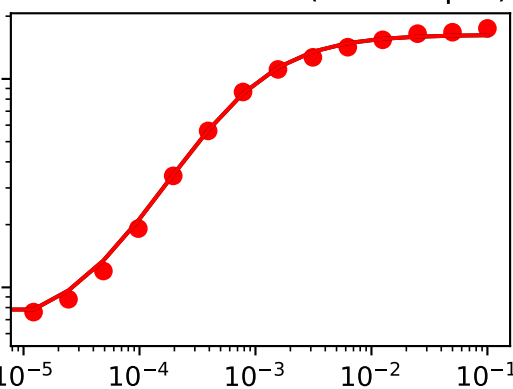


4.30876058e+03, 5.45107153e+03, 9.81247804e-04, 2.09197580e+00,
6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,
6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00],
[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00,
4.30876058e+03, 5.45107151e+03, 9.81247798e-04, 2.09197581e+00,
6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,
6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00],
[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00,
4.30876058e+03, 5.45107152e+03, 9.81247801e-04, 2.09197581e+00,
6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,
6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00],
[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00,
4.30876058e+03, 5.45107151e+03, 9.81247798e-04, 2.09197581e+00,
6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,
6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00],
[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00,
4.30876058e+03, 5.45107159e+03, 9.81247811e-04, 2.09197579e+00,
6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,
6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00],
[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00,
4.30876058e+03, 5.45107152e+03, 9.81247802e-04, 2.09197582e+00,
6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,
6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00],
[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00,

```

6 3.35638e+02 3.24643802e+04 4.7337690
7 GFP output) 72768216 == Converged

```



	epsilon	Initial_guesses	Converged
A_s	0.000000	618.047086	618.047086
B_s	0.000000	16278.856600	16278.856600
C_s	0.000000	1300.653790	1300.653790
N_s	0.000000	1.096541	1.096541
A_r	2392.584970	1916.175610	4308.760580
B_r	-13423.169268	18874.240800	5451.071532
C_r	-0.008049	0.009030	0.000981
N_r	1.271542	0.820433	2.091976
A_h	0.000000	683.835638	683.835638
B_h	0.000000	32464.380200	32464.380200
C_h	0.000000	0.000473	0.000473
F_o	-0.324721	2.821352	2.496631
A_o	0.000000	0.632148	0.632148
B_o	0.000000	0.972768	0.972768
C_o	0.000000	2.640174	2.640174
N_o	0.000000	1.919339	1.919339

6.83835638e+02, 3.24643801e+04, 4.73376905e-04, 2.49663080e+00,
SIR (GFP output) 72768210 = Converged 1.00 1.01033016e+001

10.18047088e+02, 1.0278850e+03, 1.09854125e+00, 4.30876058e+03, 5.45107146e+03, 9.81247790e-04, 2.09197582e+00.

6.32148081e-01, 9.72768210e-01, 2.04017586e+00, 1.91933916e+00], Converged

4.30876058e+03, 5.45107150e+03, 9.81247797e-04, 2.09197581e+00,

[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00]

6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,

[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00,

6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,
6.32148081e-01, 9.70768210e-01, 3.64017386e+00, 1.01033016e+001

4.30876058e+03, 5.45107151e+03, 9.81247799e-04, 2.09197581e+00,

6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00],

4.36876058e+03, 5.45107144e+03, 9.81247786e-04, 2.09197584e+00,
6.83293533e+03, 3.24643803e+04, 4.73376005e-04, 3.40663080e+00

[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00]

6.83835638e+02, 3.24643802e+04, 4.73376905e-04, 2.49663080e+00,

[6.18047086e+02, 1.62788566e+04, 1.30065379e+03, 1.09654125e+00,
4.30076050e+02, 5.45107150e+02, 0.01247012e+04, 2.00107500e+00,

0.83833038e+02, 5.24043802e+04, 4.73376903e-04, 2.49003080e+00,
6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00]

4.30876058e+03, 5.45107153e+03, 9.81247802e-04, 2.09197581e+00,

6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00],

4.30876058e+03, 5.45107144e+03, 9.81247786e-04, 2.09197584e+00,
6.83835638e+03, 3.34643803e+04, 4.73376905e-04, 3.49663080e+00

0.1114026, 0.1114026, 0.1114026, 0.1114026, 0.1114026, 0.1114026,

fun: 0.11140259908213282

```

nfev: 3286
nit: 2318

```

```
status: 0
success: True
```

4.30876058e+03, 5.45107153e+03, 9.81247804e-04, 2.09197580e+00,

6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00])

```
0.11114026, 0.11114026, 0.11114026, 0.11114026, 0.11114026, 0.11114026,
```

fun: 0.11140259908213282

```

nfev: 3286
nit: 2318

```

```
status: 0
success: True
```

4.30876058e+03, 5.45107153e+03, 9.81247804e-04, 2.09197580e+00,

6.32148081e-01, 9.72768210e-01, 2.64017386e+00, 1.91933916e+00])