

Across all four plots:

RSS (converged)=0.086

RSS (initial)=3.941

RSS (% reduction)=0.979

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.08639189461763504
x: [3.859e-01 2.646e-06 ... 1.760e+05 1.483e+00]
nit: 748
nfev: 1409
final_simplex: (array([[3.859e-01, 2.646e-06, ..., 1.760e+05, 1.483e+00],
[3.859e-01, 2.646e-06, ..., 1.760e+05, 1.483e+00],
[3.859e-01, 2.646e-06, ..., 1.760e+05, 1.483e+00],
[3.859e-01, 2.646e-06, ..., 1.760e+05, 1.483e+00]]), array([8.639e-02, 8.639e-02, ..., 8.639e-02, 8.639e-02]))

	epsilon	Initial_guesses	Converged
P_b	3.191051e-01	6.681702e-02	3.859221e-01
P_u	2.099687e-06	5.466972e-07	2.646384e-06
K_12	-7.947984e+03	1.814527e+04	1.019729e+04
C_pa	-1.270324e+08	3.819882e+08	2.549559e+08
A_s	-1.113224e+04	1.458909e+04	3.456847e+03
P_r	0.000000e+00	4.006687e-01	4.006687e-01
C_pt	0.000000e+00	9.732437e-03	9.732437e-03
K_t	0.000000e+00	8.404184e-05	8.404184e-05
A_r	0.000000e+00	5.876297e+05	5.876297e+05
P_o	0.000000e+00	2.011834e+12	2.011834e+12
C_pl	0.000000e+00	1.968035e-02	1.968035e-02
K_l	0.000000e+00	1.281986e-06	1.281986e-06
A_o	0.000000e+00	1.760143e+05	1.760143e+05
F_o	0.000000e+00	1.482633e+00	1.482633e+00