

Across all four plots:

RSS (converged)=0.367

RSS (initial)=1.22

RSS (% reduction)=0.769

message: Optimization terminated successfully.
success: True
status: 0
fun: 0.36699771424880073
x: [6.682e-02 5.467e-07 ... 1.823e+05 1.483e+00]
nit: 799
nfev: 1667
final_simpex: (array([[6.682e-02, 5.467e-07, ..., 1.823e+05, 1.483e+00],
[6.682e-02, 5.467e-07, ..., 1.823e+05, 1.483e+00],
...,
[6.682e-02, 5.467e-07, ..., 1.823e+05, 1.483e+00],
[6.682e-02, 5.467e-07, ..., 1.823e+05, 1.483e+00]]), array([3.670e-01, 3.670e-01, ..., 3.670e-01, 3.670e-01]))

	epsilon	Initial_guesses	Converged
P_b	0.000000e+00	6.681702e-02	6.681702e-02
P_u	0.000000e+00	5.466972e-07	5.466972e-07
K_12	0.000000e+00	1.814527e+04	1.814527e+04
C_pa	0.000000e+00	3.819882e+08	3.819882e+08
A_s	0.000000e+00	1.458909e+04	1.458909e+04
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	4.846772e+12	2.011834e+12	6.858606e+12
C_pl	-7.101350e-03	1.968035e-02	1.257900e-02
K_l	7.961744e-07	1.281986e-06	2.078161e-06
A_o	6.323937e+03	1.760143e+05	1.823383e+05
F_o	0.000000e+00	1.482633e+00	1.482633e+00