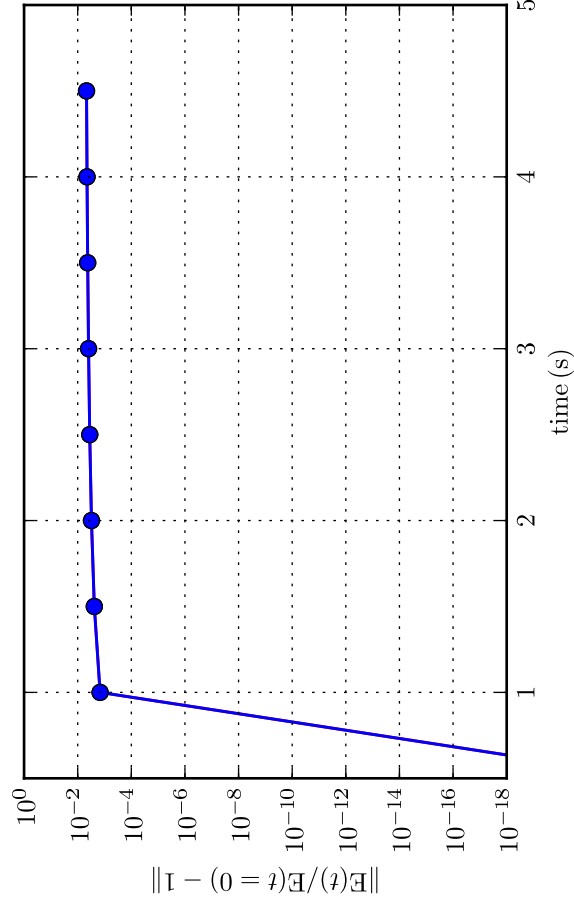
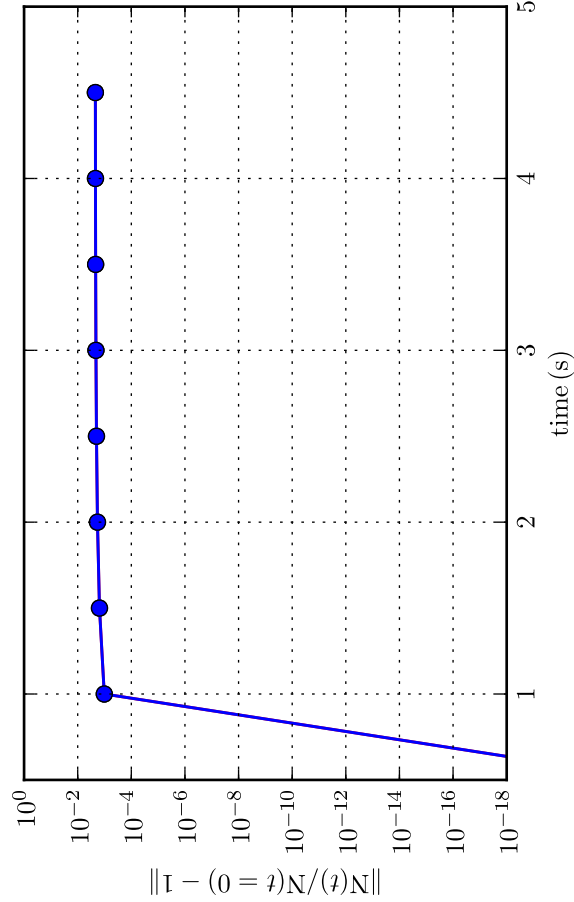
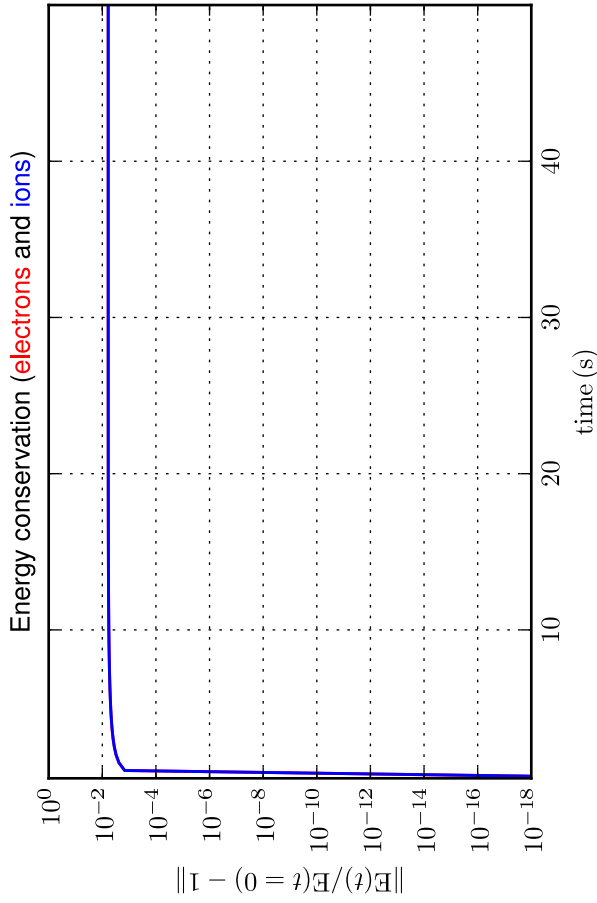
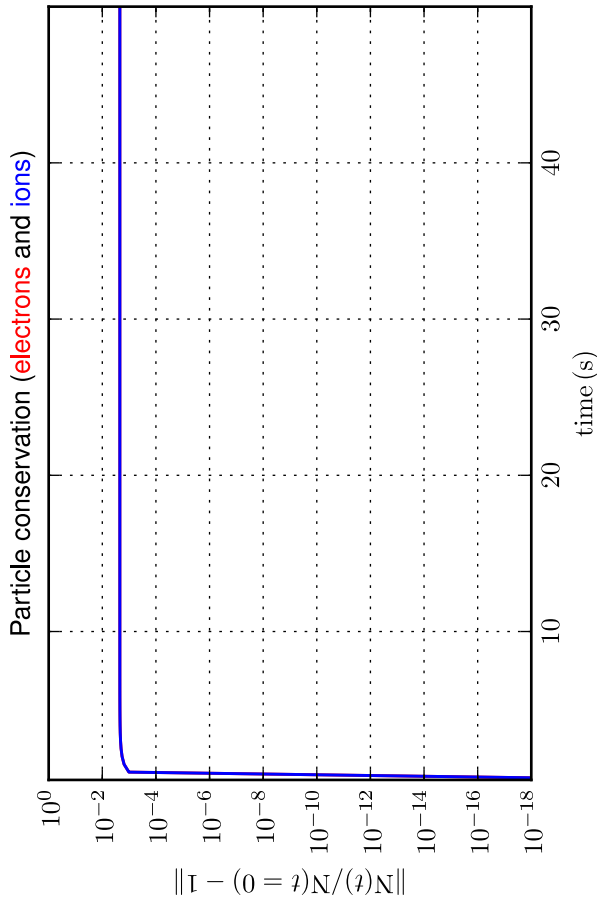
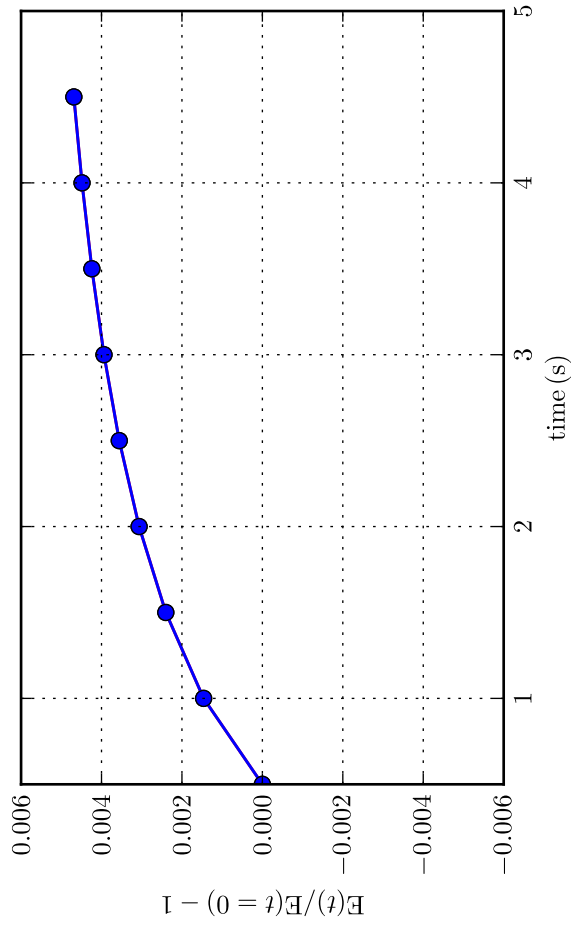
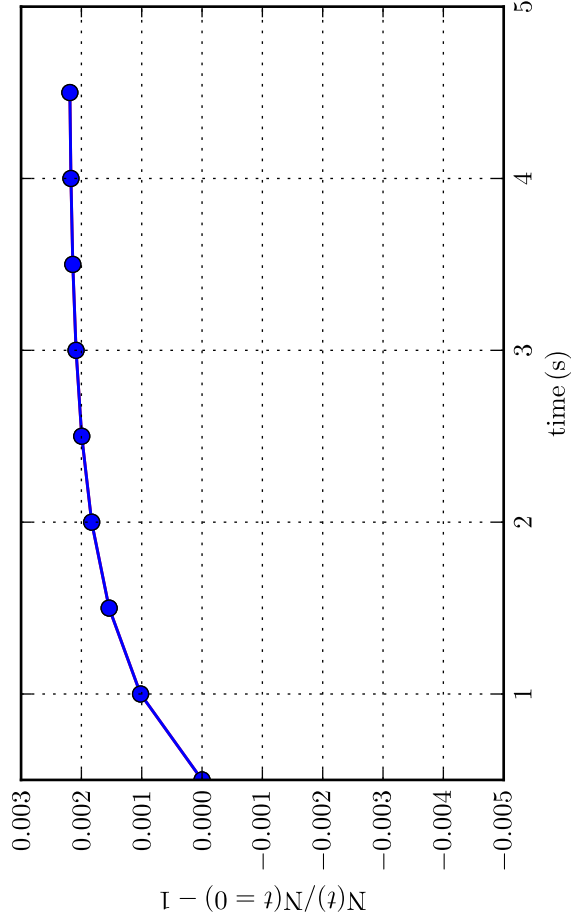
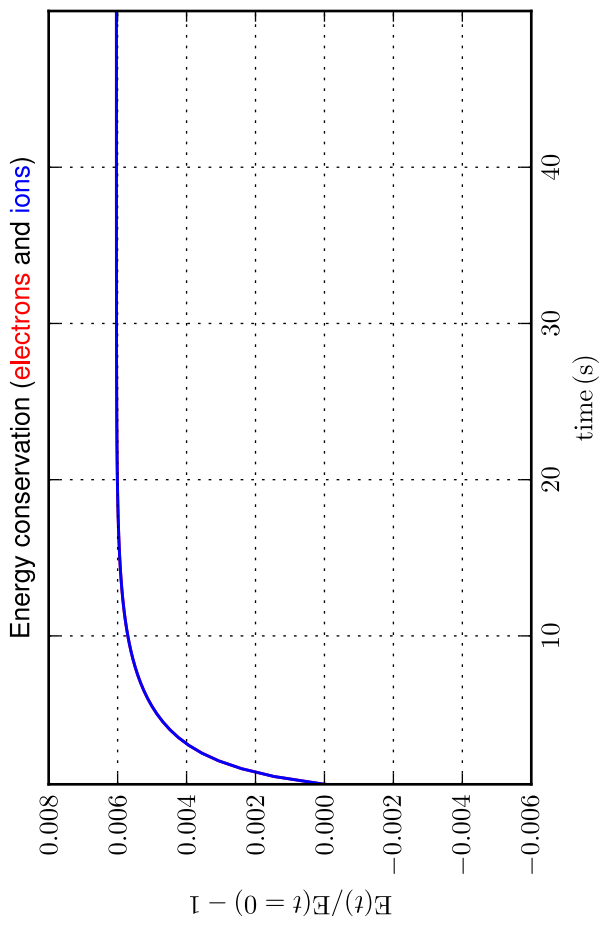
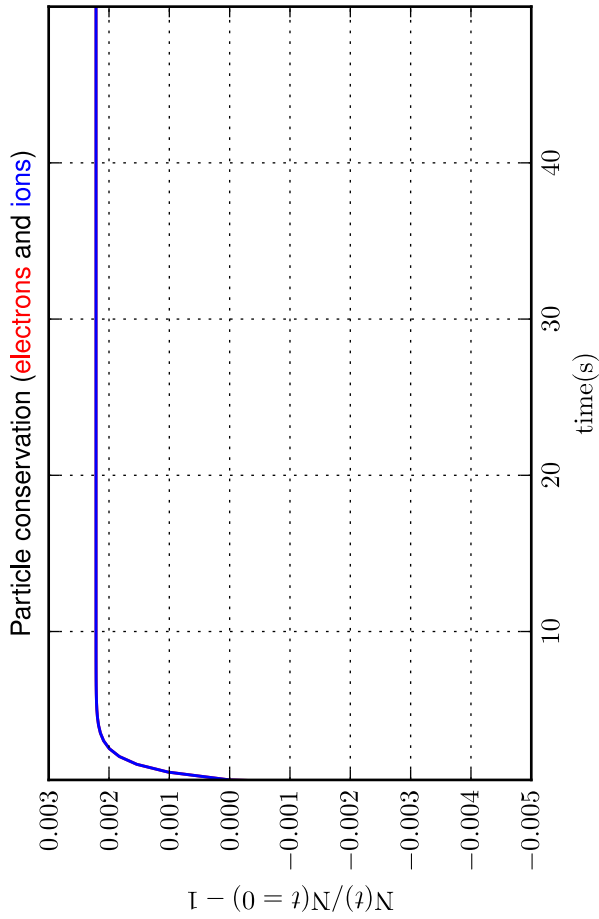


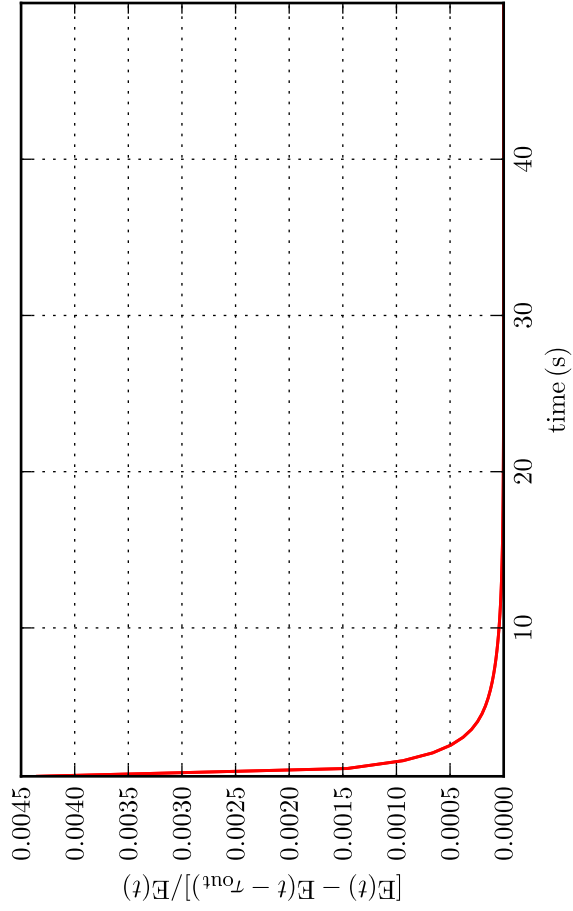
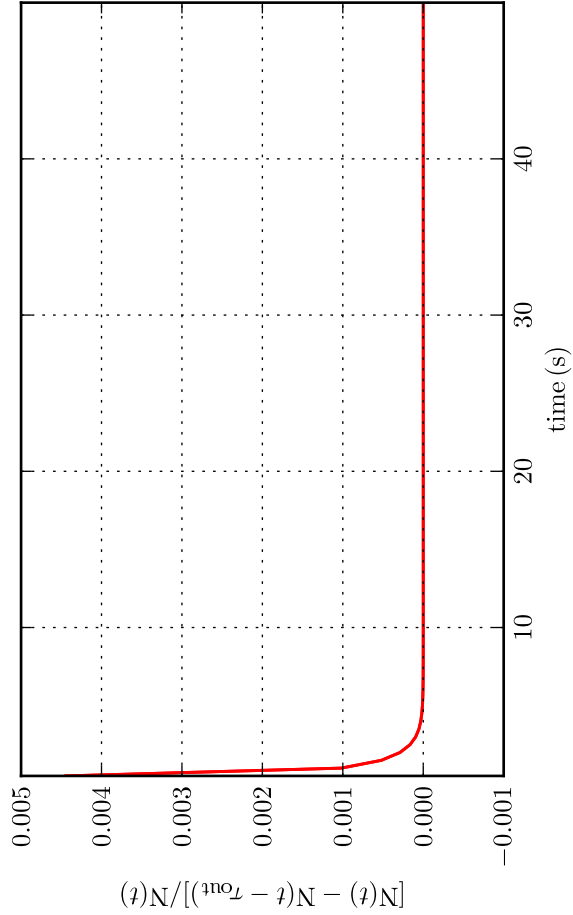
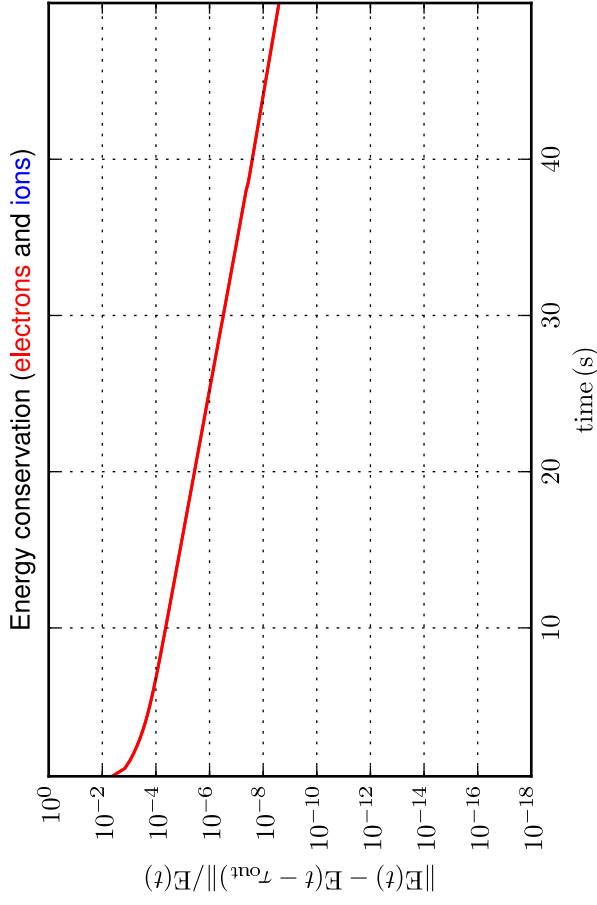
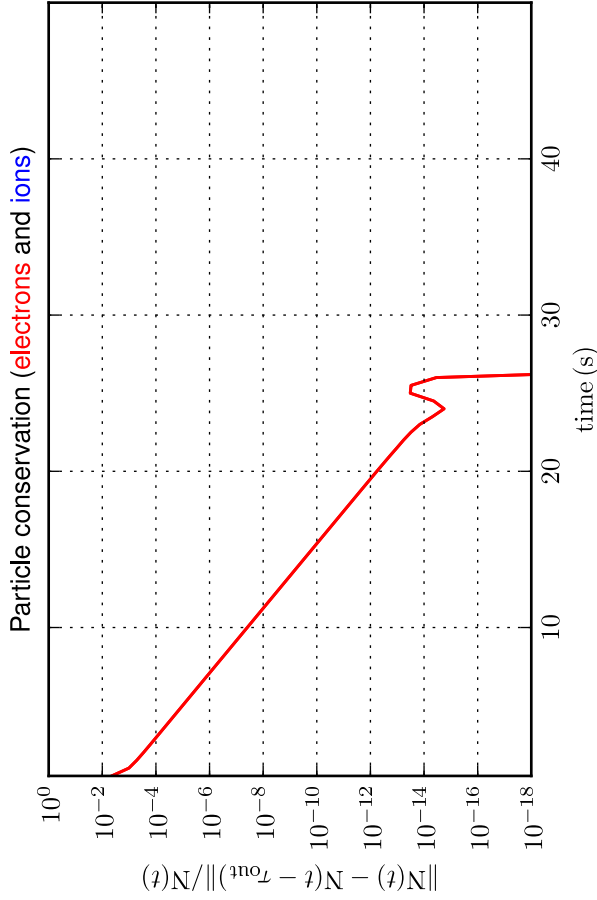
Part. & Energy conservation [Case: 1.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]
 Comparison with initial solution - log scale; total time and zoom over time



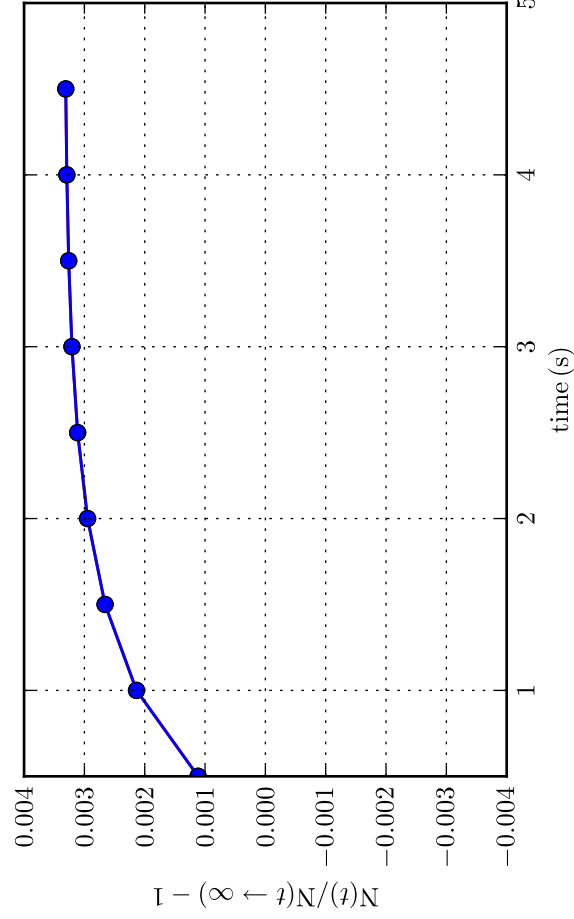
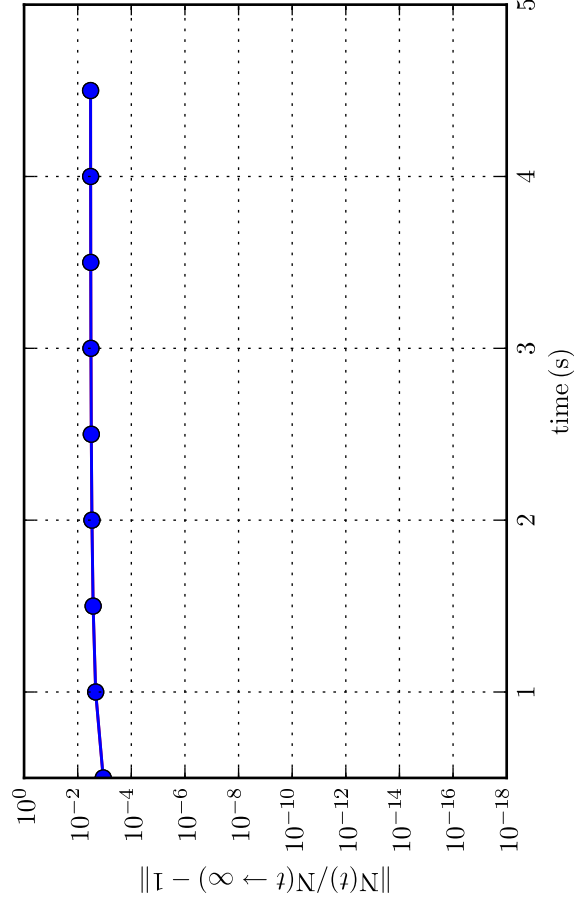
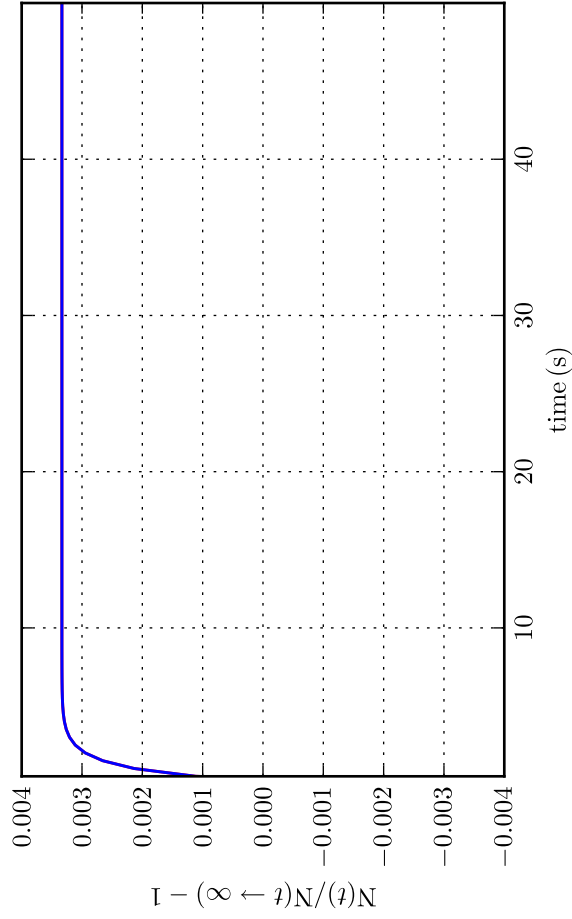
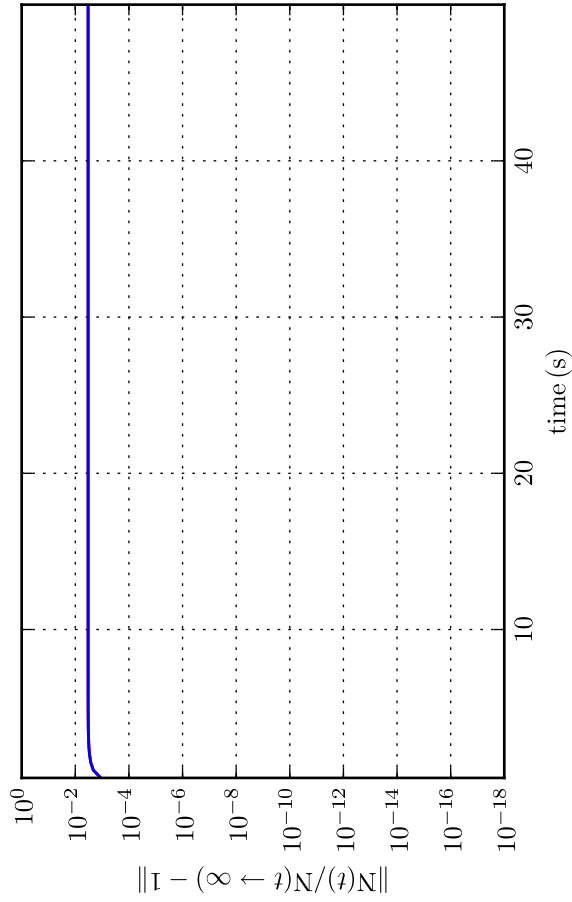
Part. & Energy conservation [Case: 1.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]
 Comparison with initial solution - linear scale; total time and zoom over time



Part. & Energy conservation [Case: I.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]
 Comparison with previous time-sampled (τ_{out}) solution - log and linear scales

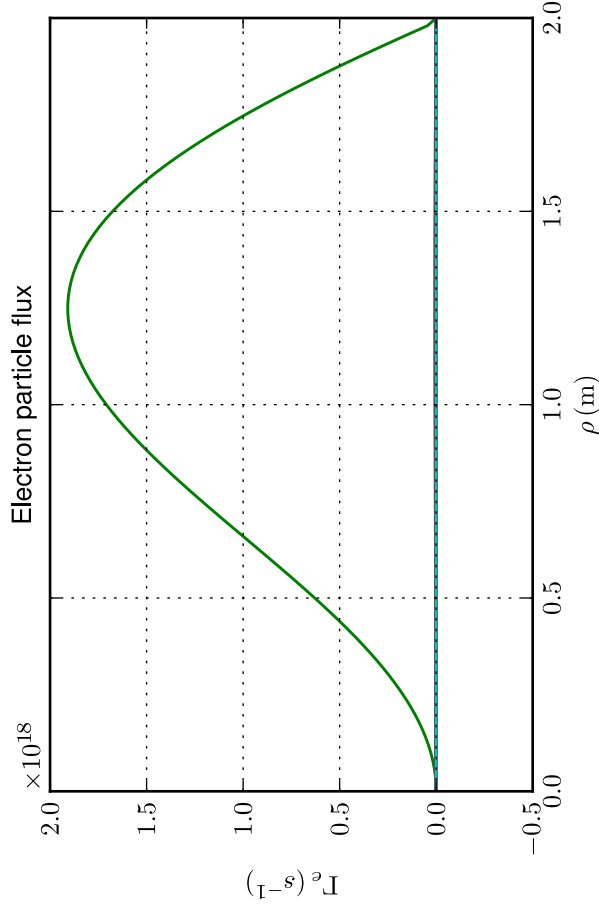
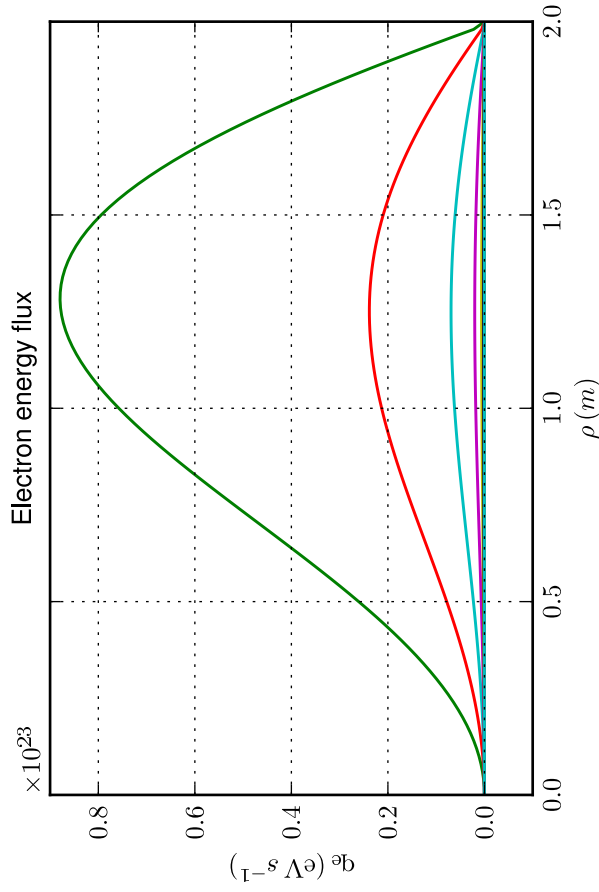
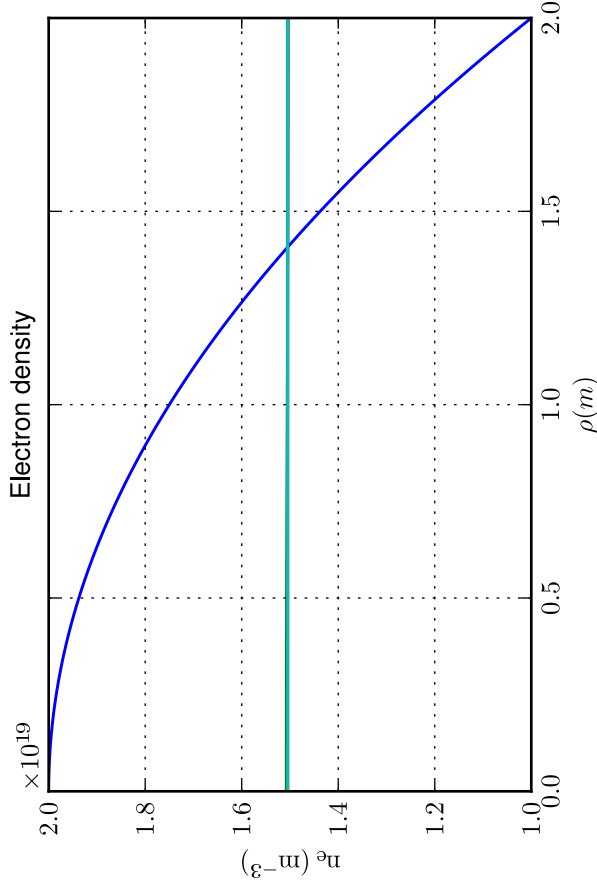
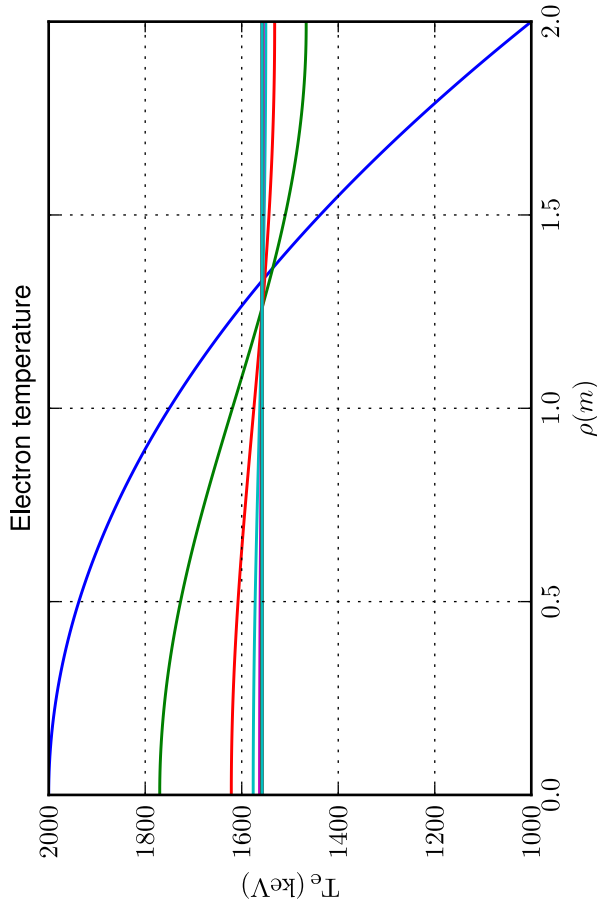


Particle conservation [Case: I.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]
 Comparison with asymptotic solution (electrons and ions); total time and zoom over time



Profiles [Case: I.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]

Time sampling: total simulation time/10



Legend for Electron density and Electron particle flux plots:

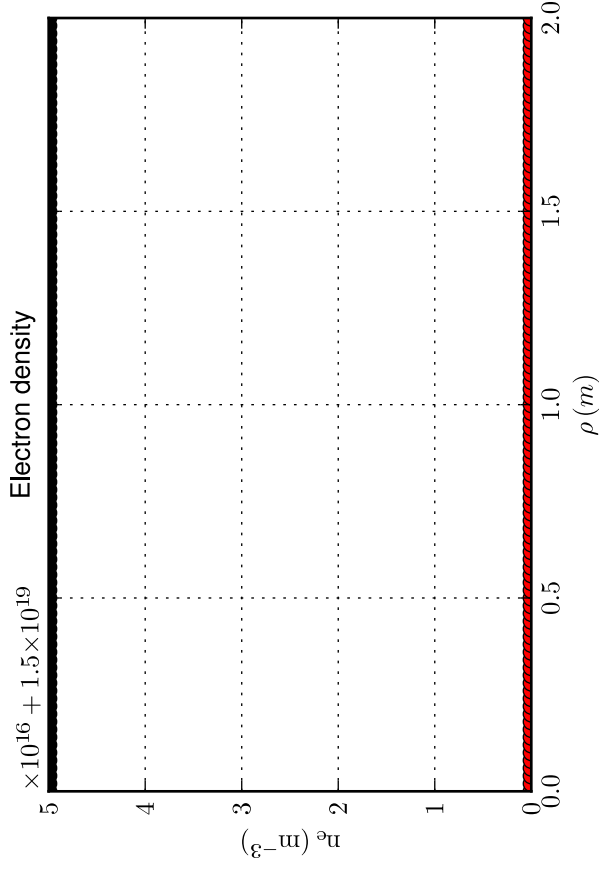
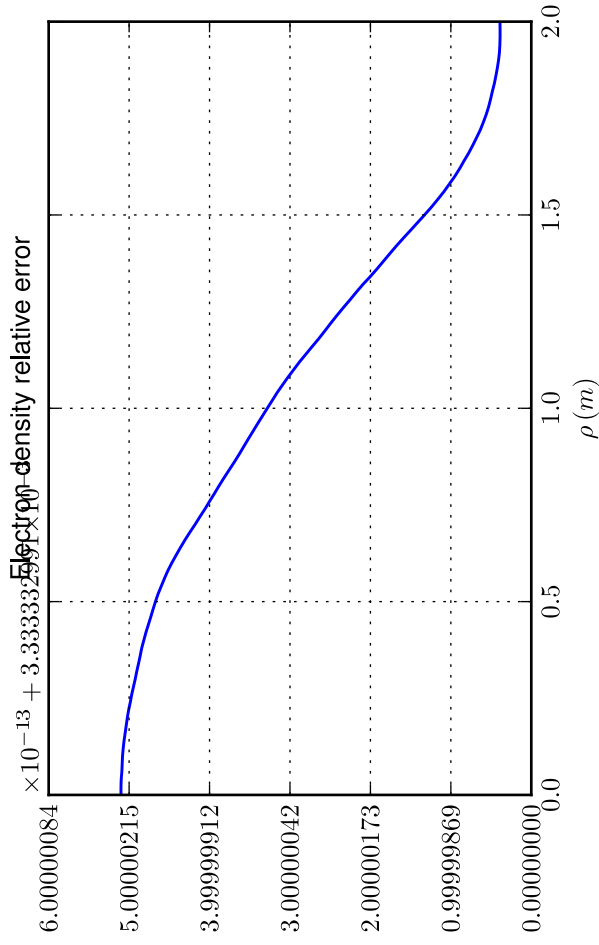
- 0.00
- 5.00
- 10.00
- 15.00
- 20.00
- 25.00
- 30.00
- 35.00
- 40.00
- 45.00
- 50.00

Legend for Electron energy flux and Electron particle flux plots:

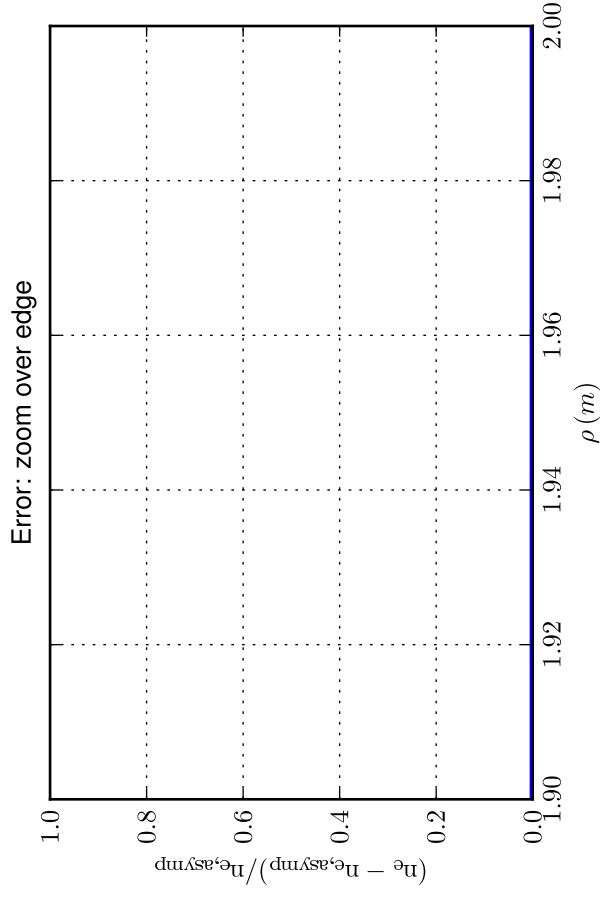
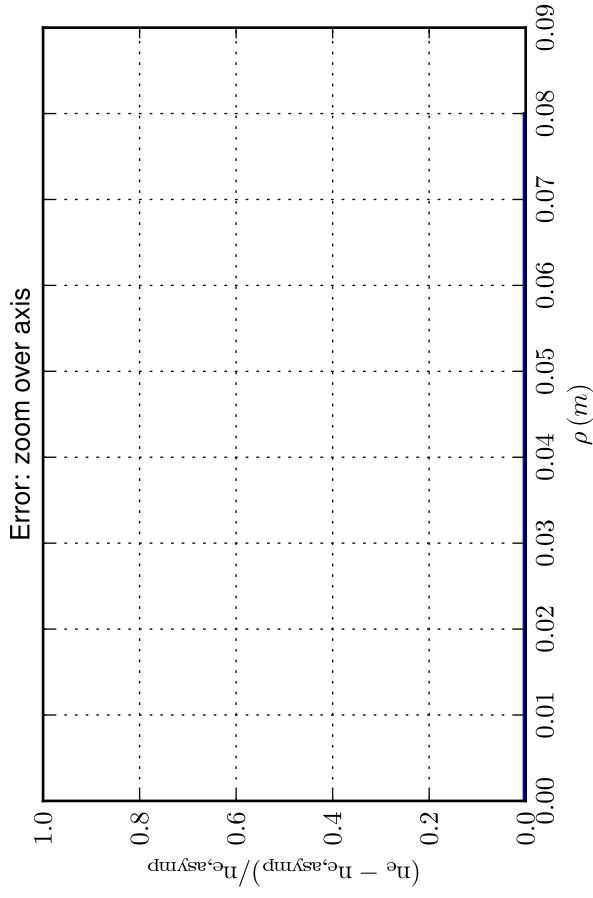
- 0.00
- 5.00
- 10.00
- 15.00
- 20.00
- 25.00
- 30.00
- 35.00
- 40.00
- 45.00
- 50.00

Profiles [Case: I.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]

Comparison with asymptotic solution

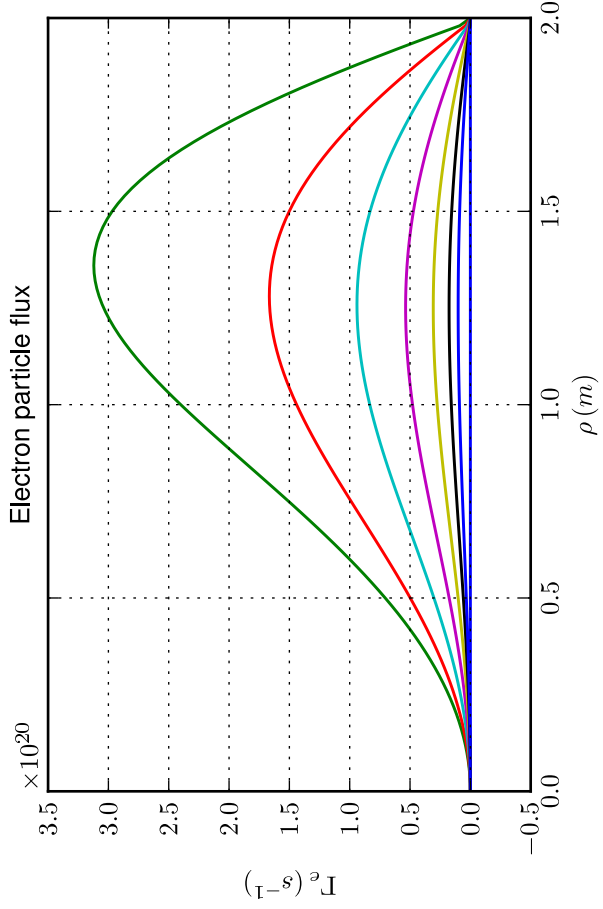
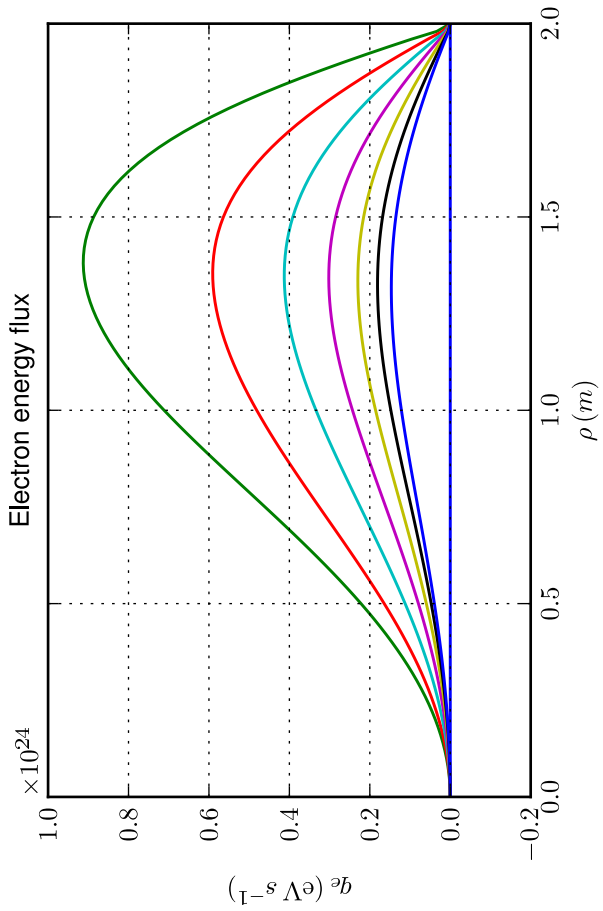
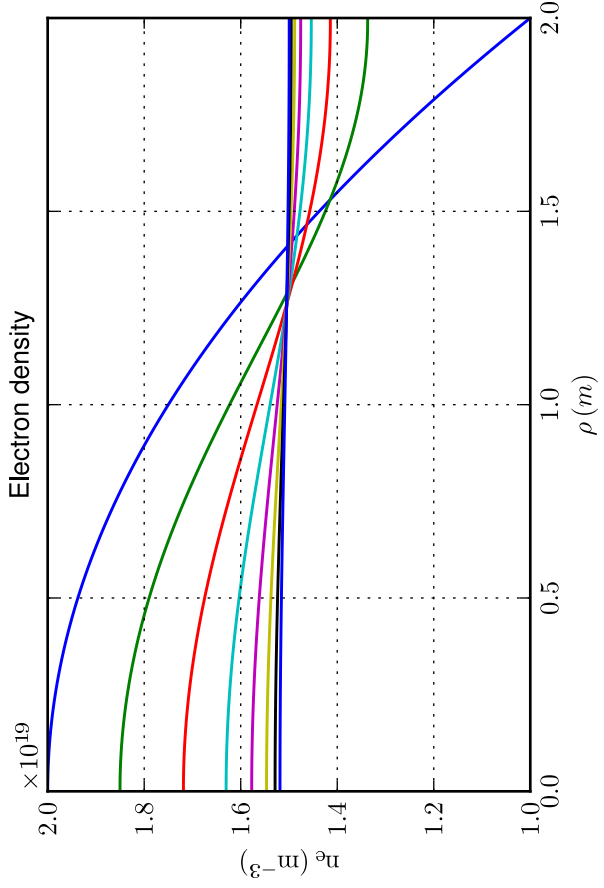
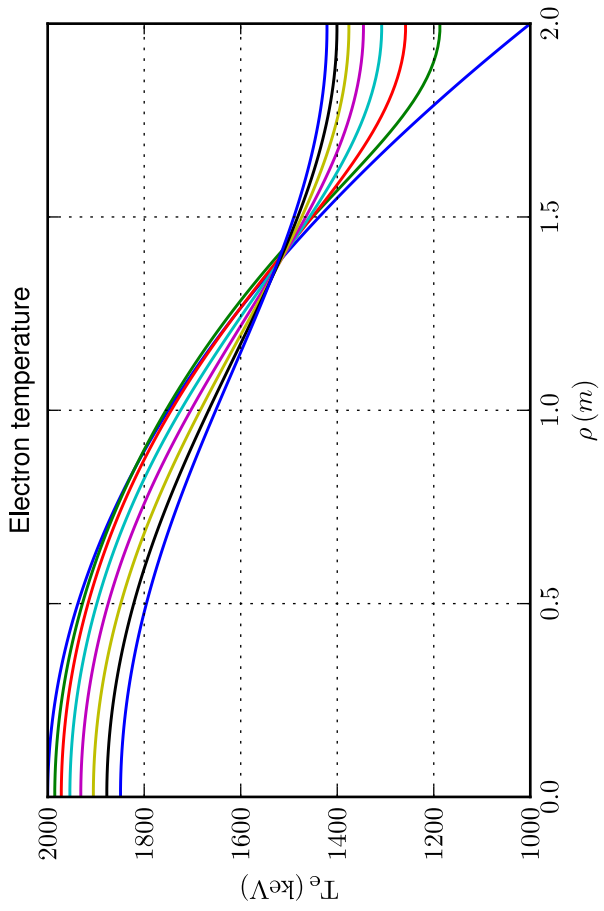


● final calculation
● asymptotic



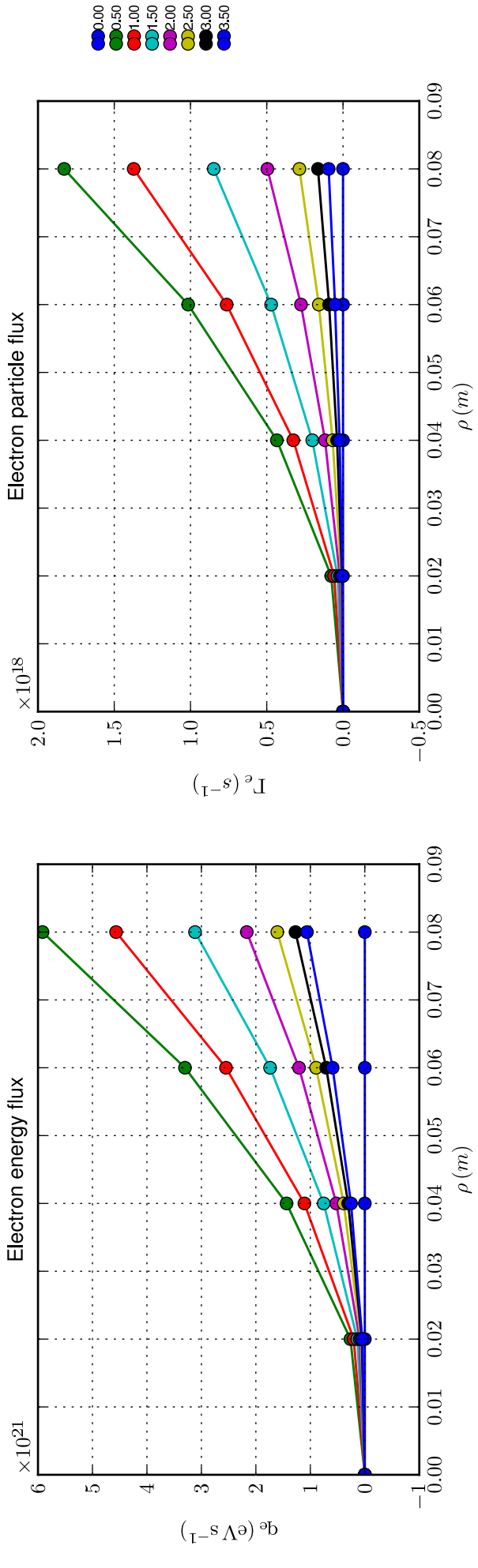
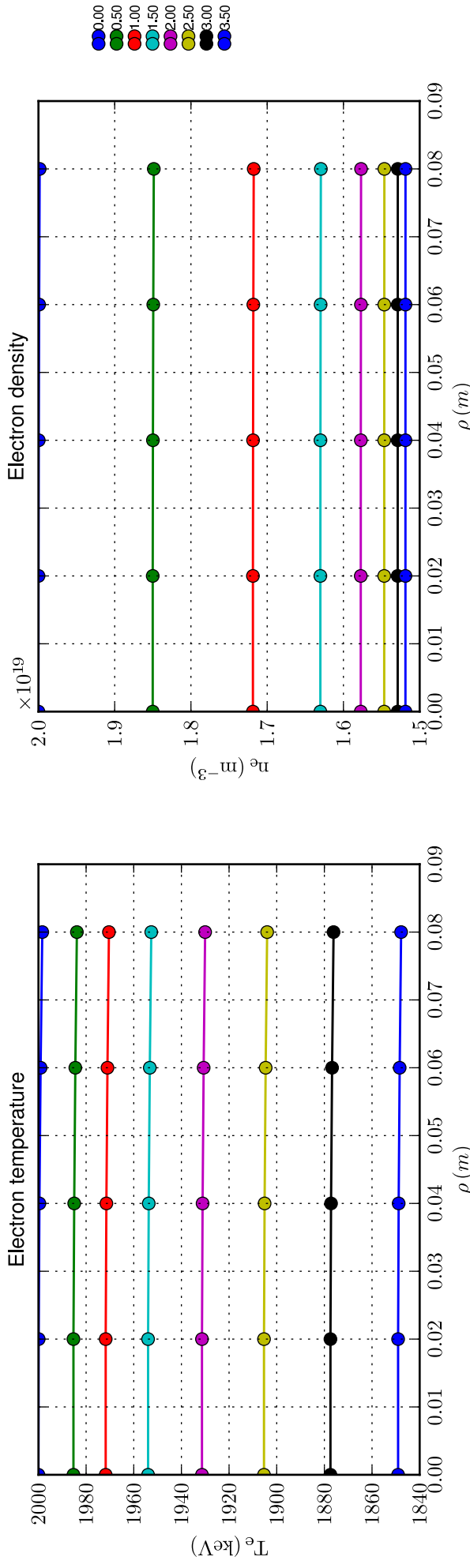
Profiles [Case: 1.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]

Time sampling: first 10 time slices or zoom over time $0.1 \times (a^2/D)/|1 - (V a/D)| = 4.00 \text{ s}$

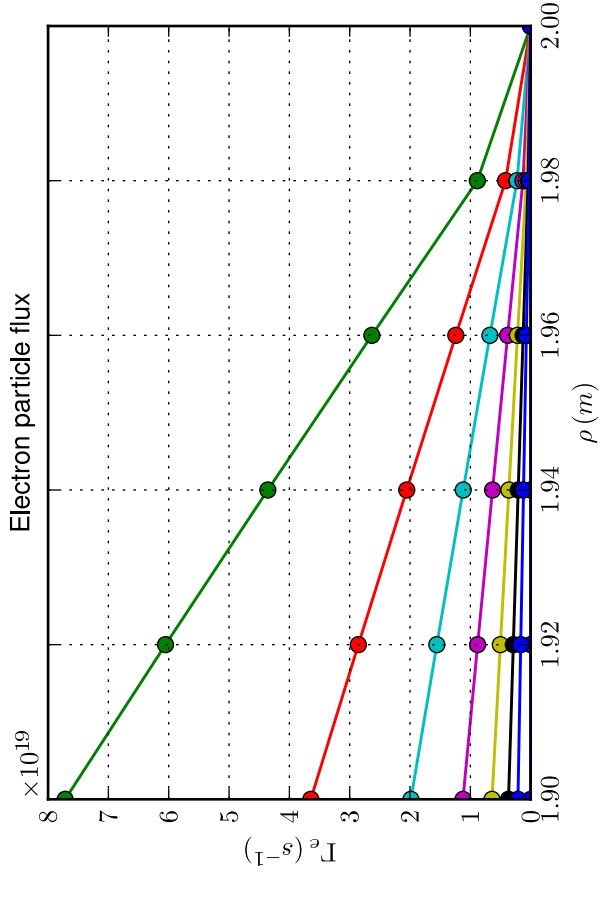
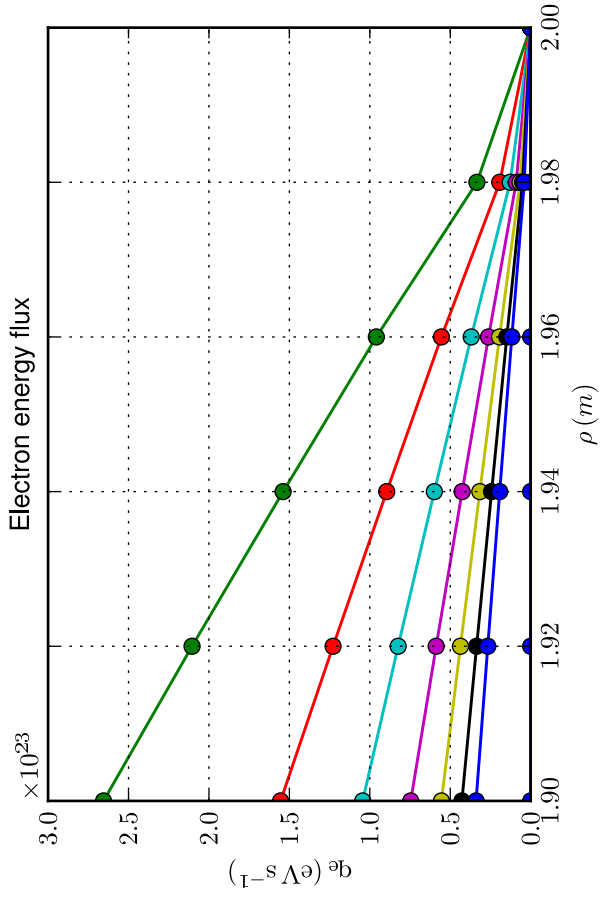
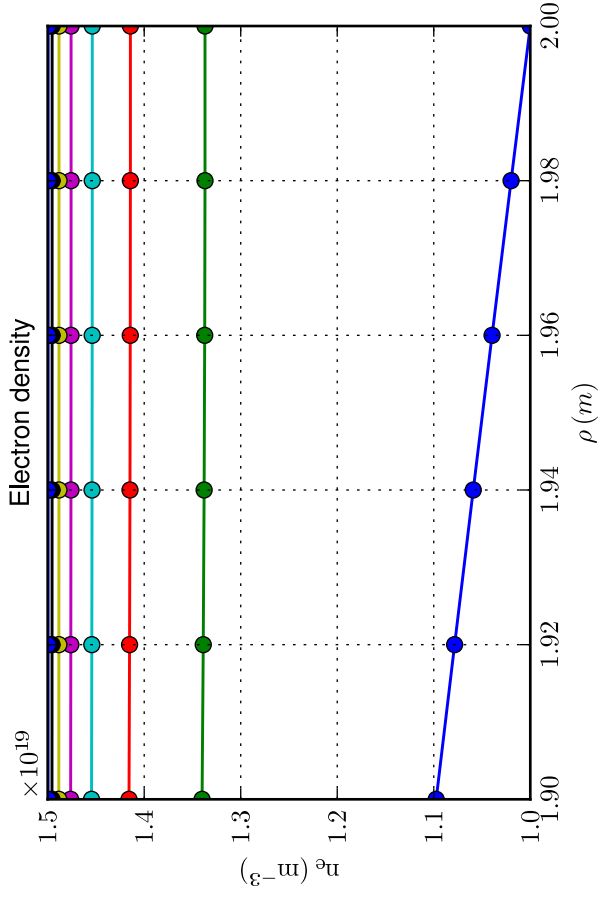
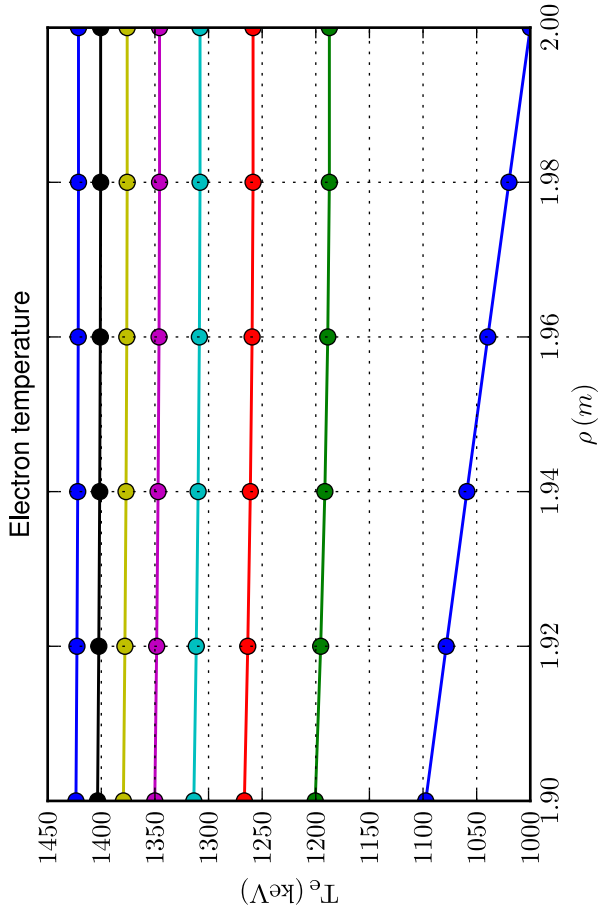


0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50

Profiles [Case: 1.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Spatial zoom over magnetic axis; time sampling: first 10 time slices or zoom over time $0.1 \times (a^2/D)/|1 - (Va/D)| = 4.00 \text{ s}$



Profiles [Case: 1.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Spatial zoom over edge; time sampling: first 10 time slices or zoom over time $0.1 \times (a^2/D)/|1 - (V_a/D)| = 4.00 \text{ s}$

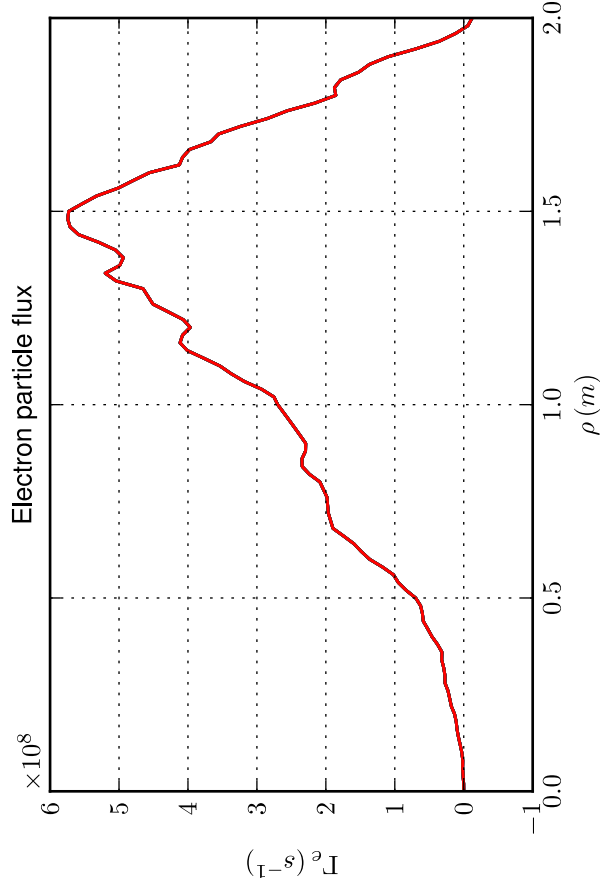
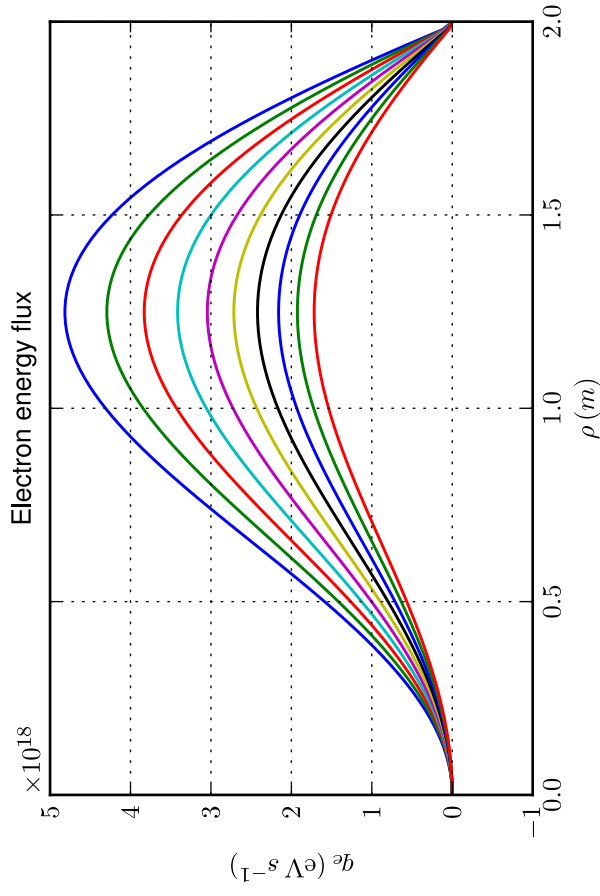
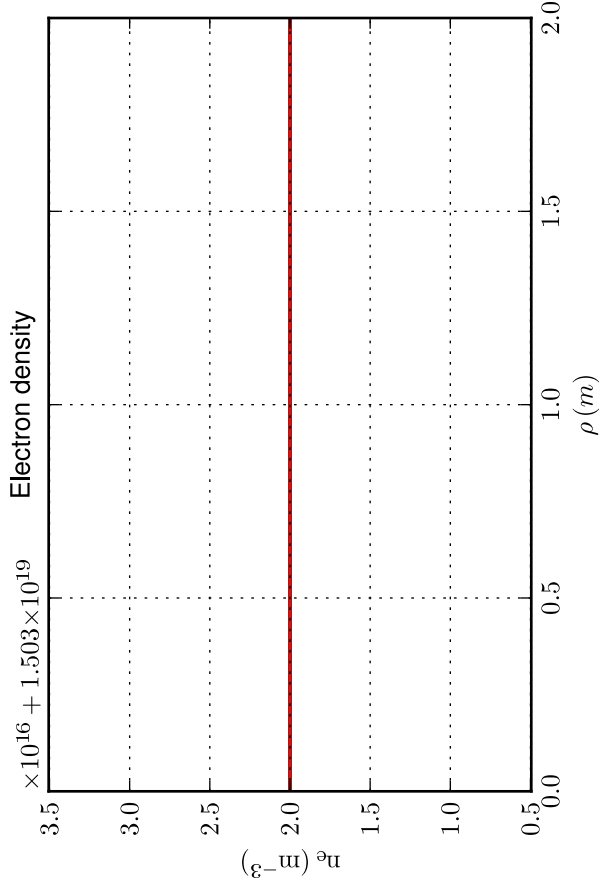
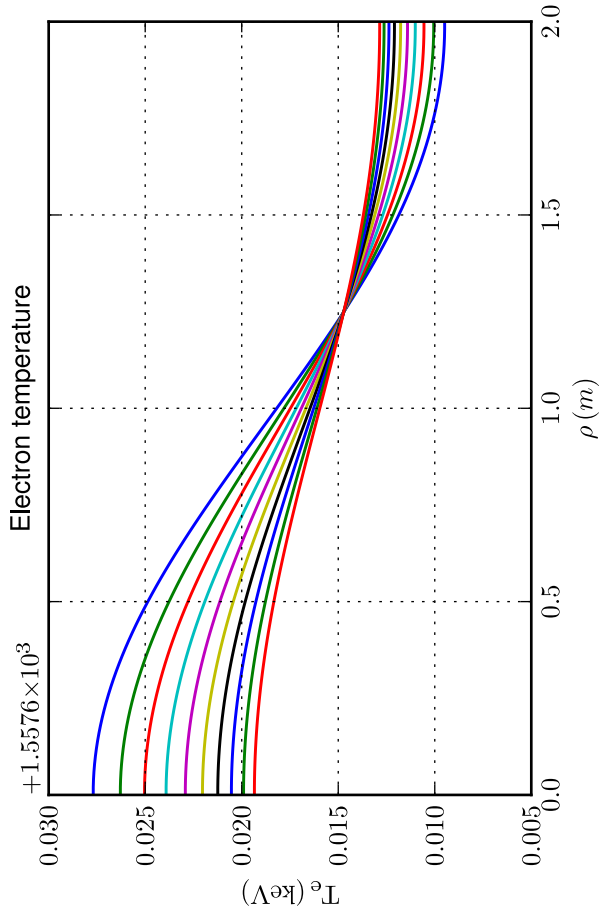


0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50

0.00
0.50
1.00
1.50
2.00
2.50
3.00
3.50

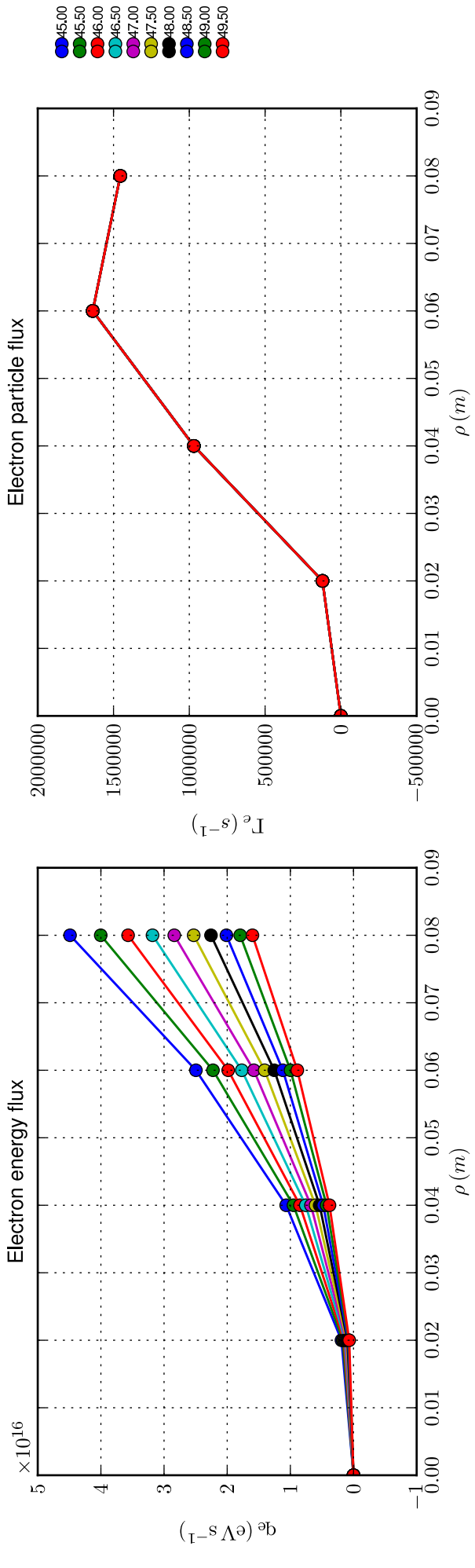
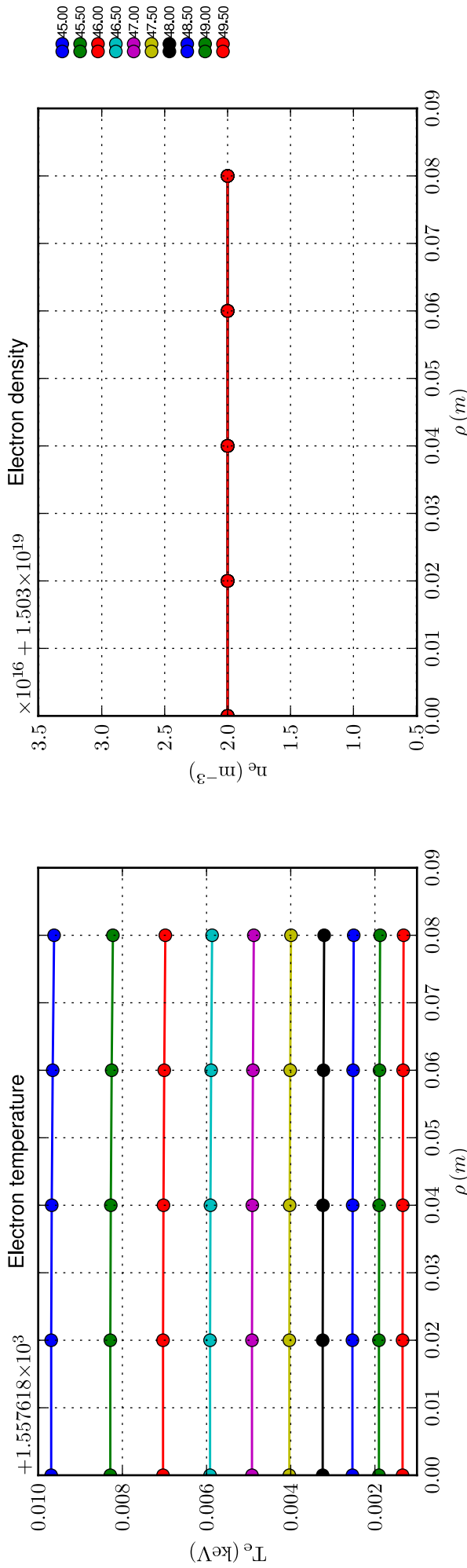
Profiles [Case: I.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_p = 101$]

Time sampling: last 10 time slices



45.00
45.50
46.00
46.50
47.00
47.50
48.00
48.50
49.00
49.50

Profiles [Case: I.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]
 Spatial zoom over magnetic axis; time sampling: last 10 time slices



Profiles [Case: 1.1.5, Solver: 3, $D = 0.1 \text{ m}^2/\text{s}$, $v = 0.00 \text{ m/s}$, $\Delta t = 50.00$, $\tau = 1.0 \times 10^{-3} \text{ s}$, $N_\rho = 101$]

Spatial zoom over edge; time sampling: last 10 time slices

