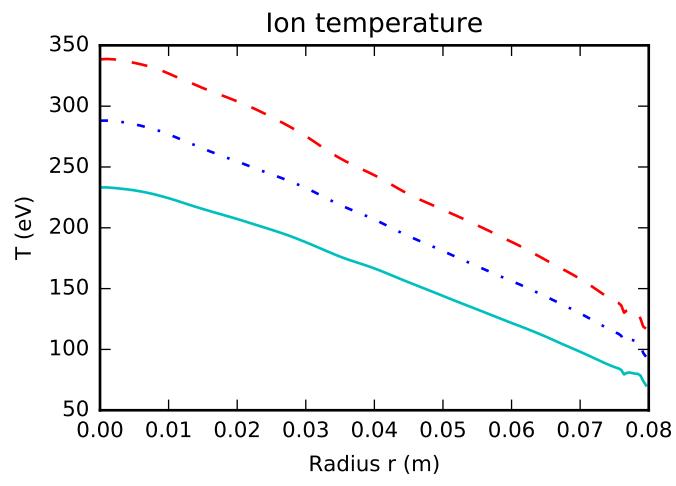
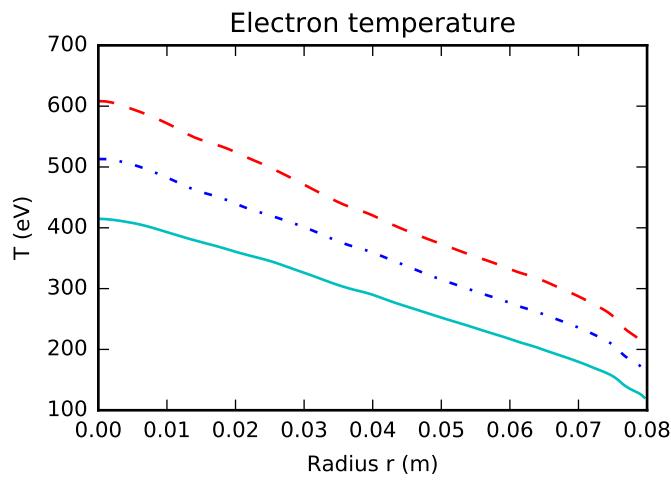
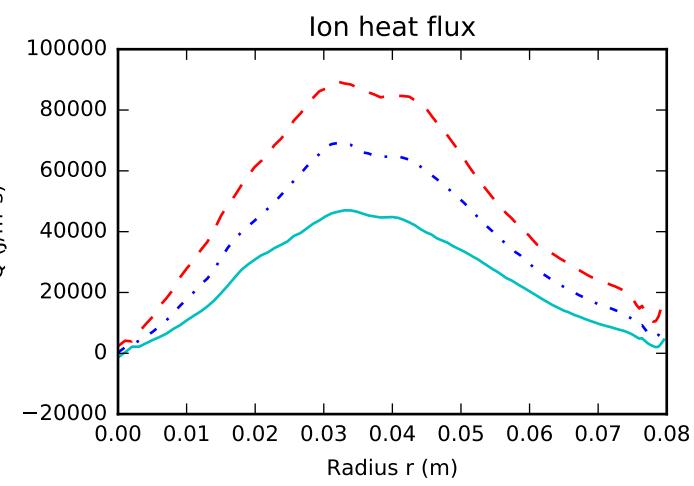
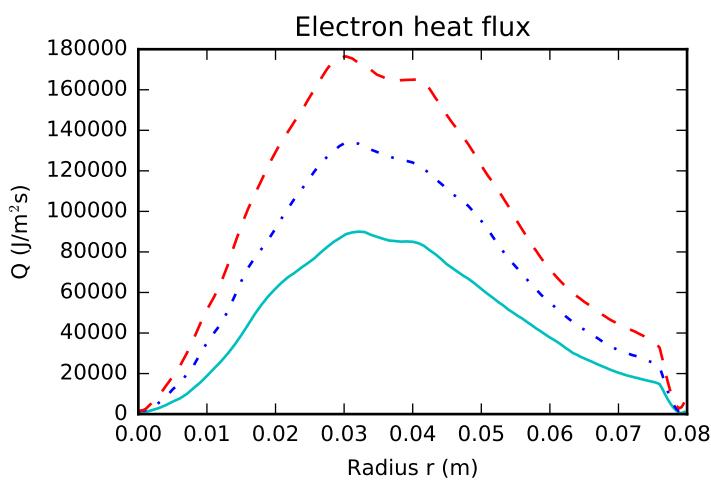
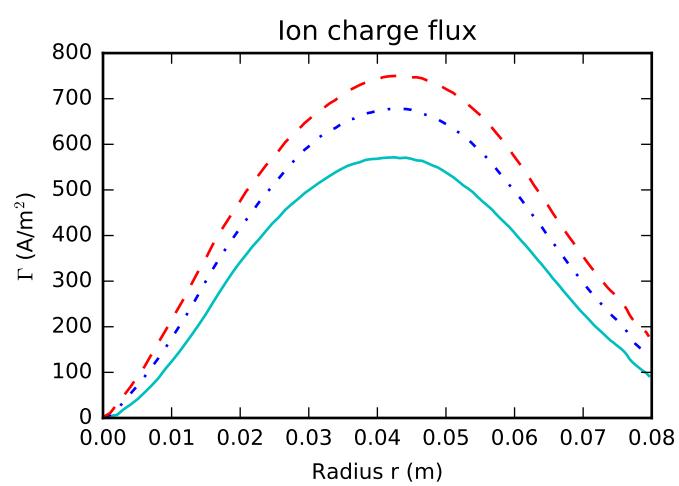
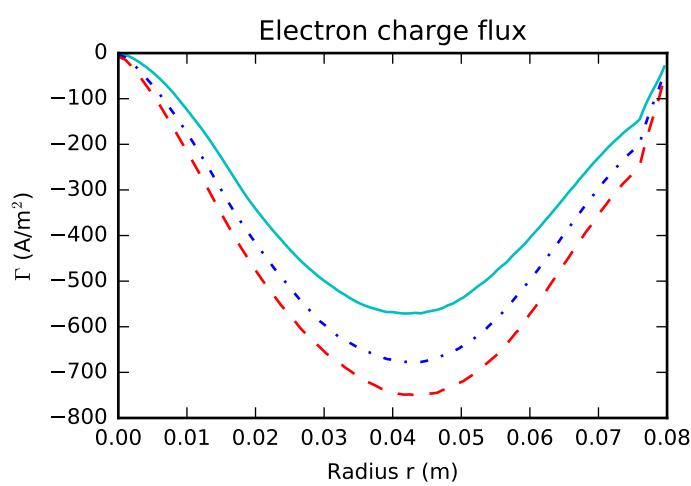
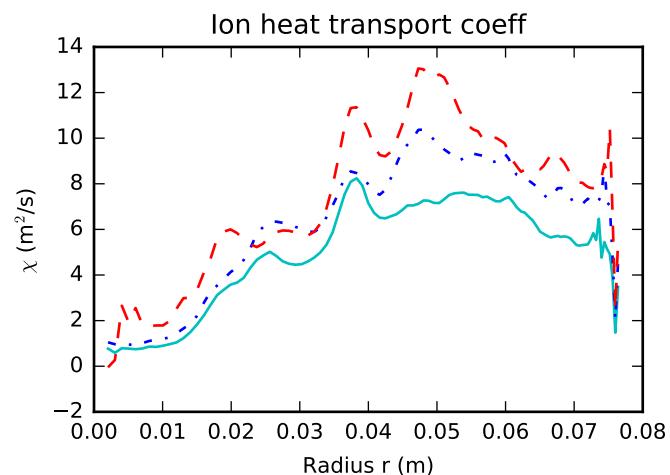
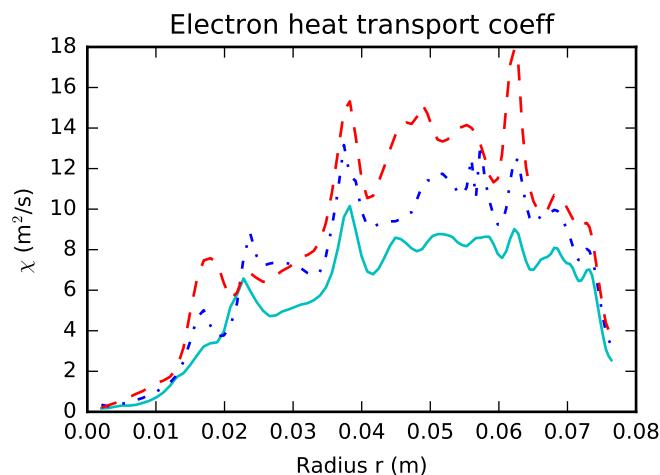
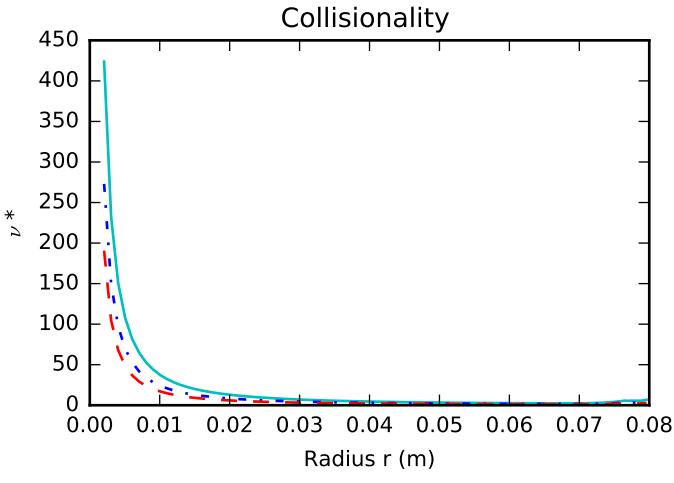
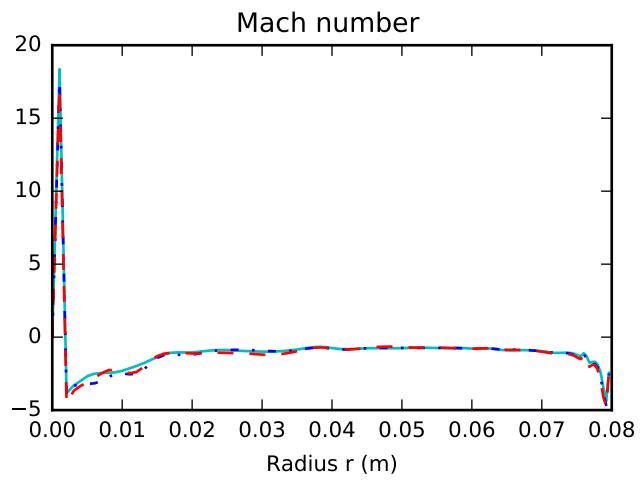
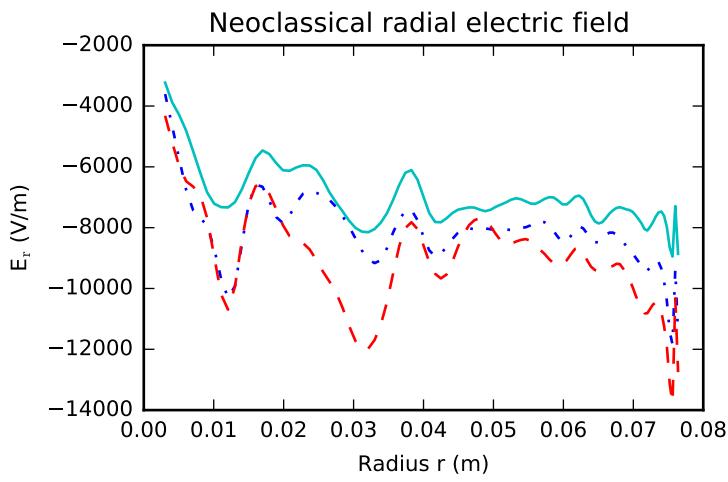
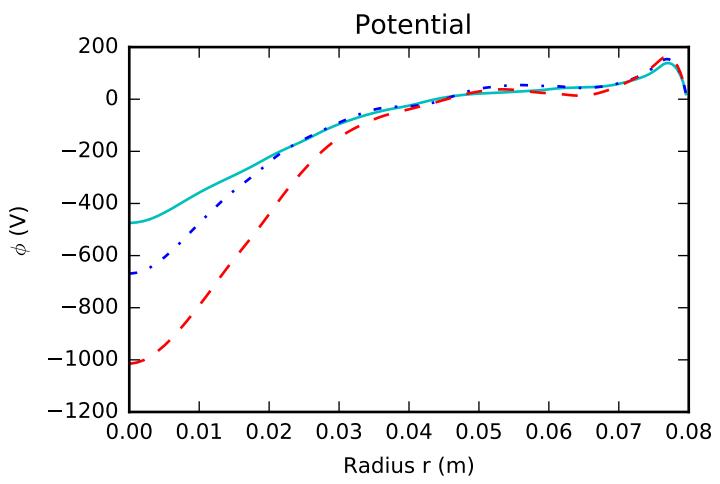
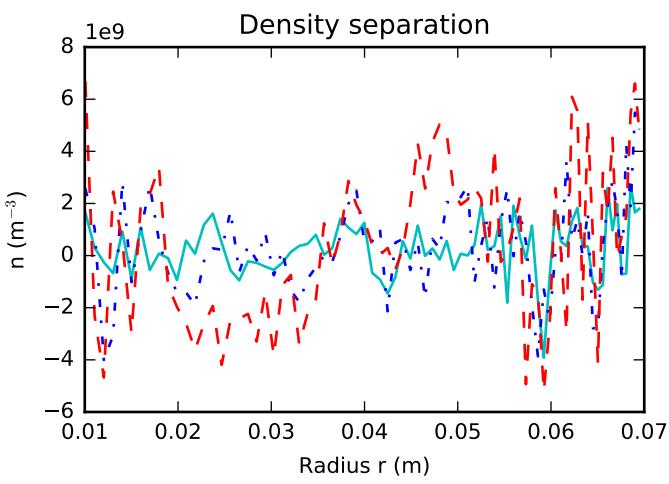
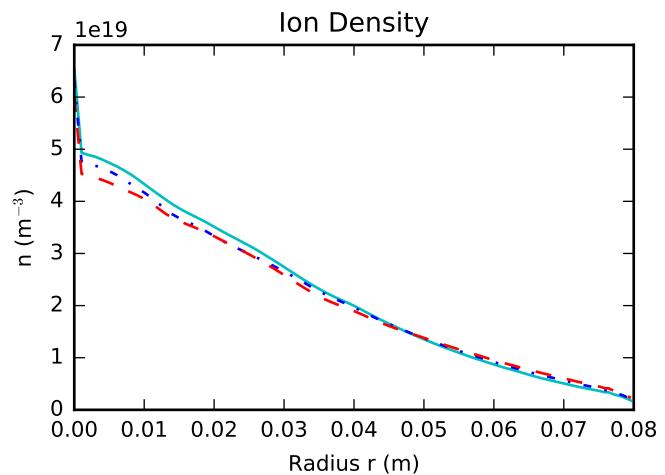
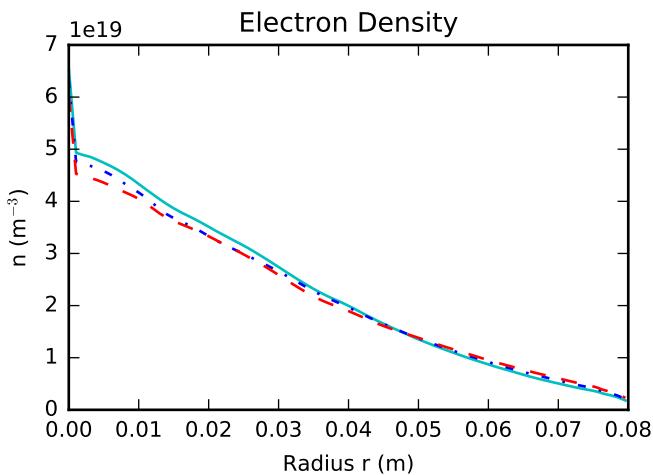


— $T = 228 \text{ eV}$
- - $T = 285 \text{ eV}$
- - $T = 342 \text{ eV}$

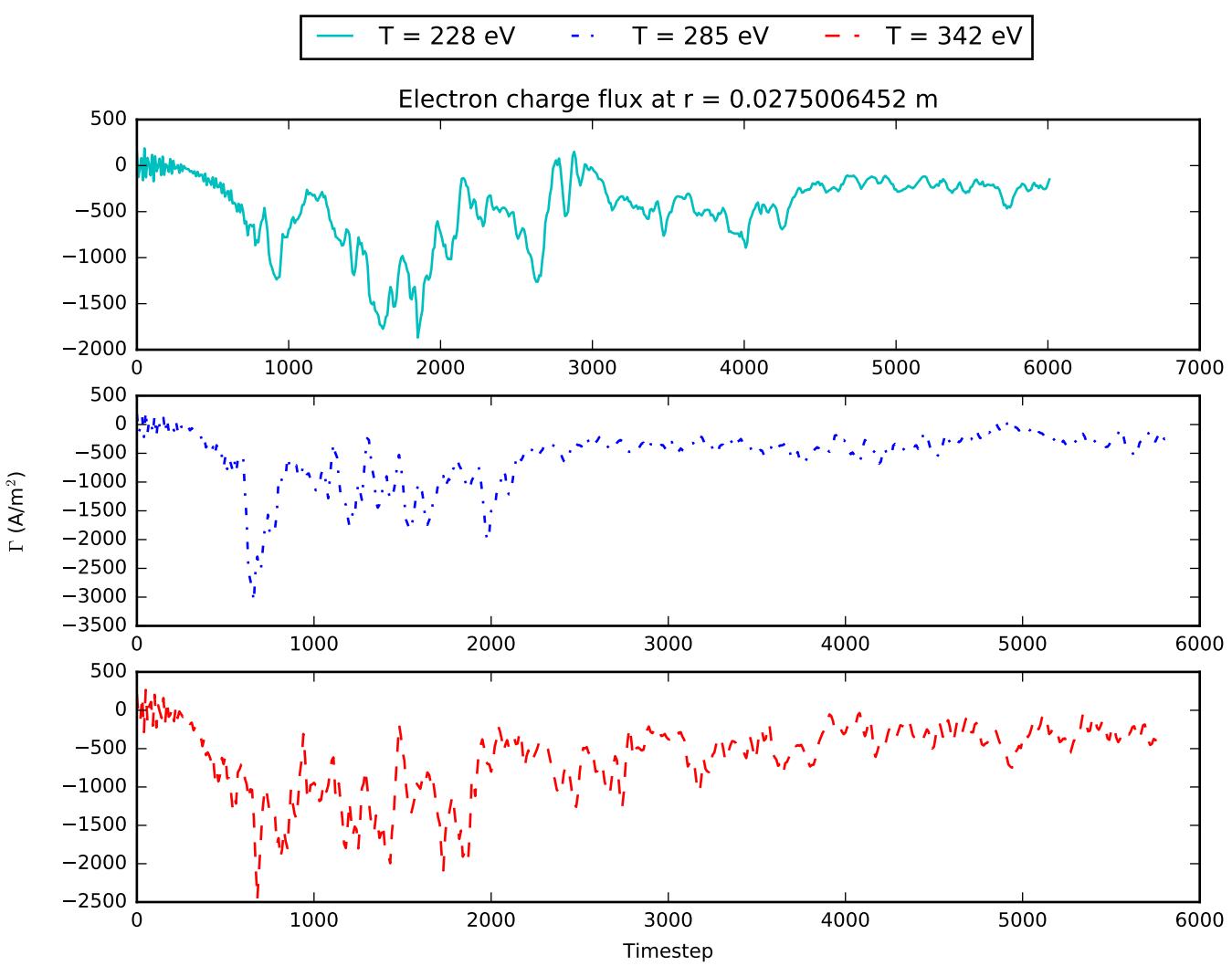


— $T = 228 \text{ eV}$
-·- $T = 285 \text{ eV}$
-·- $T = 342 \text{ eV}$

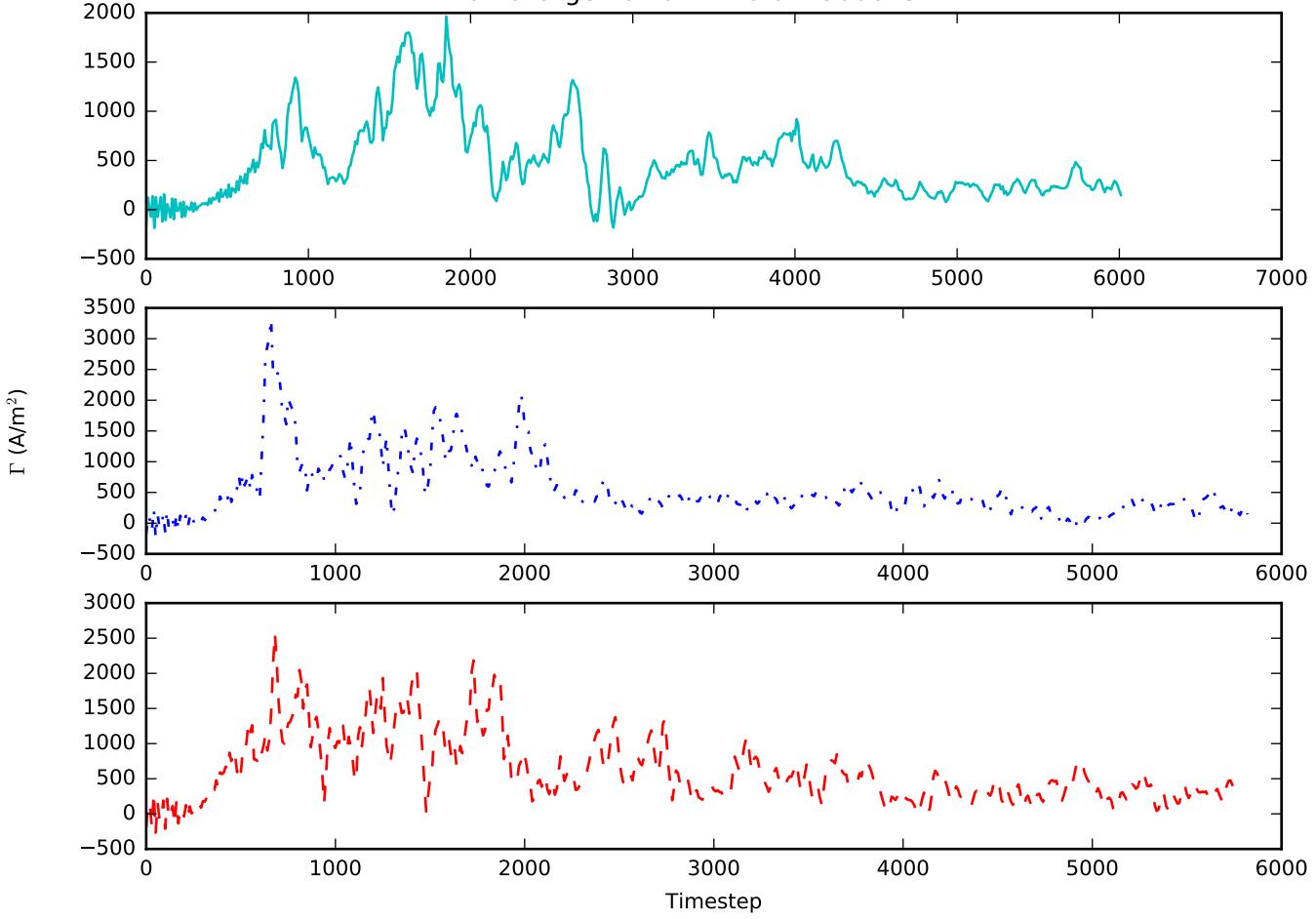


— T = 228 eV -·- T = 285 eV - - T = 342 eV

Electron charge flux at $r = 0.0275006452$ m

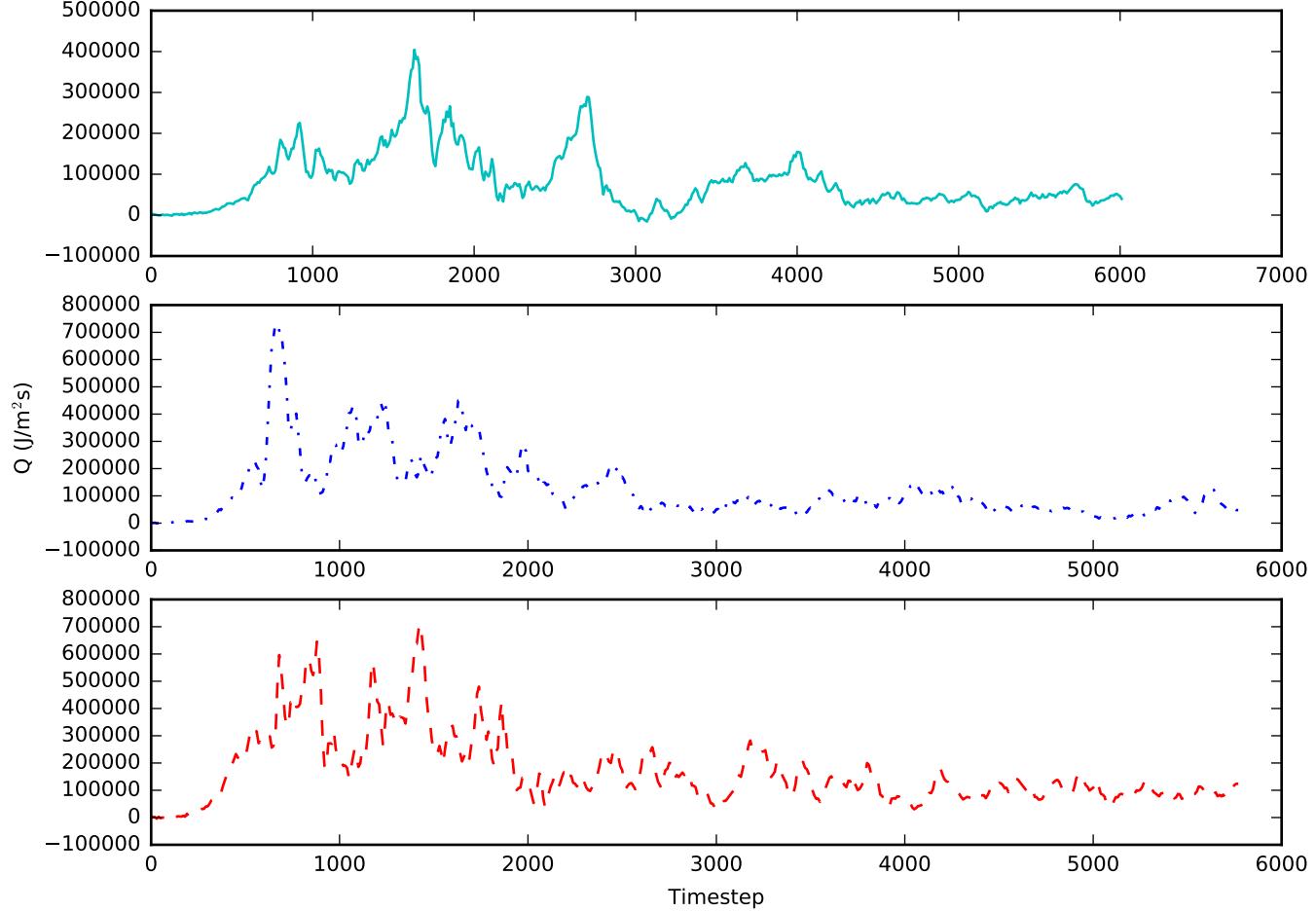


Ion charge flux at $r = 0.0275006452$ m

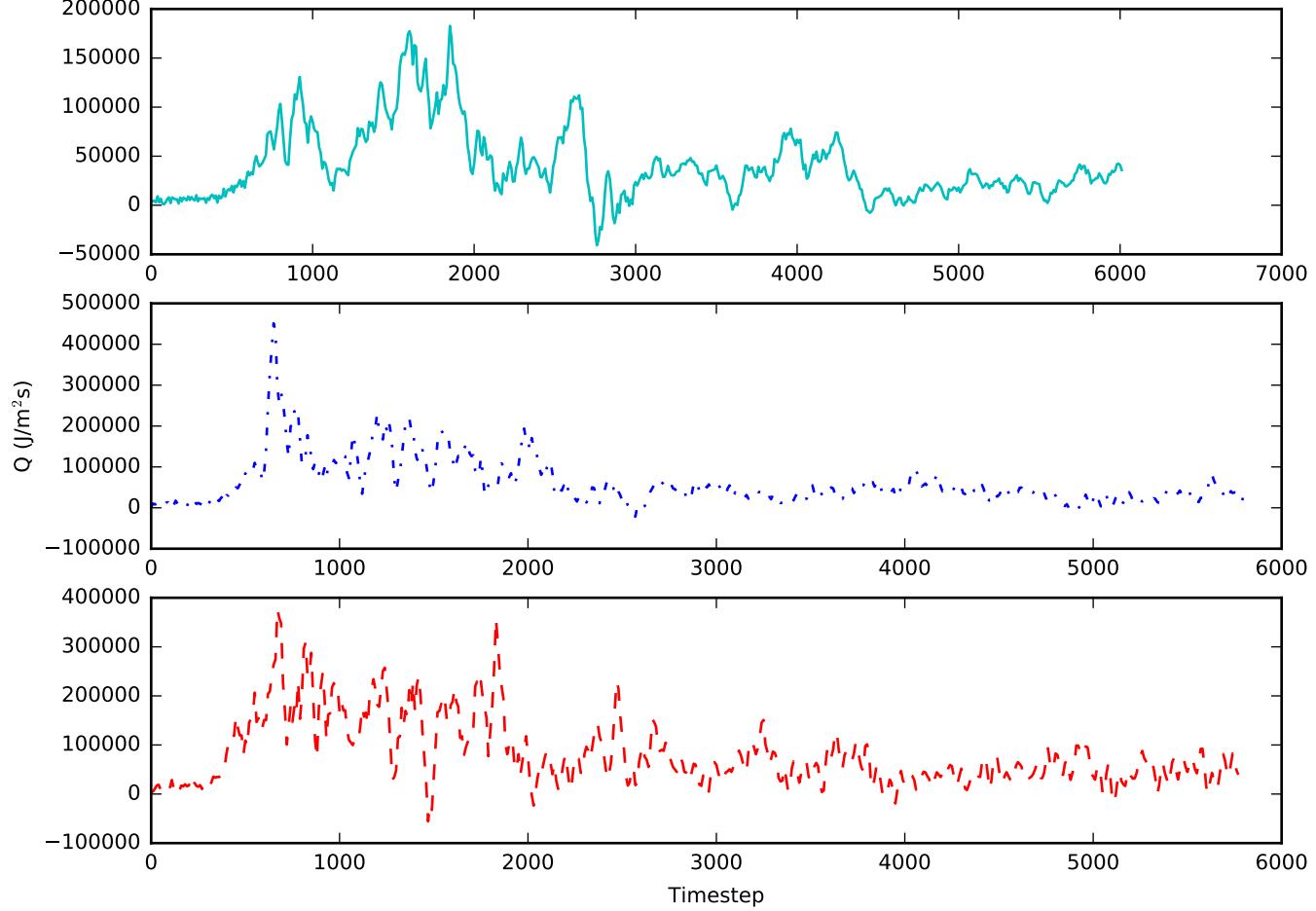


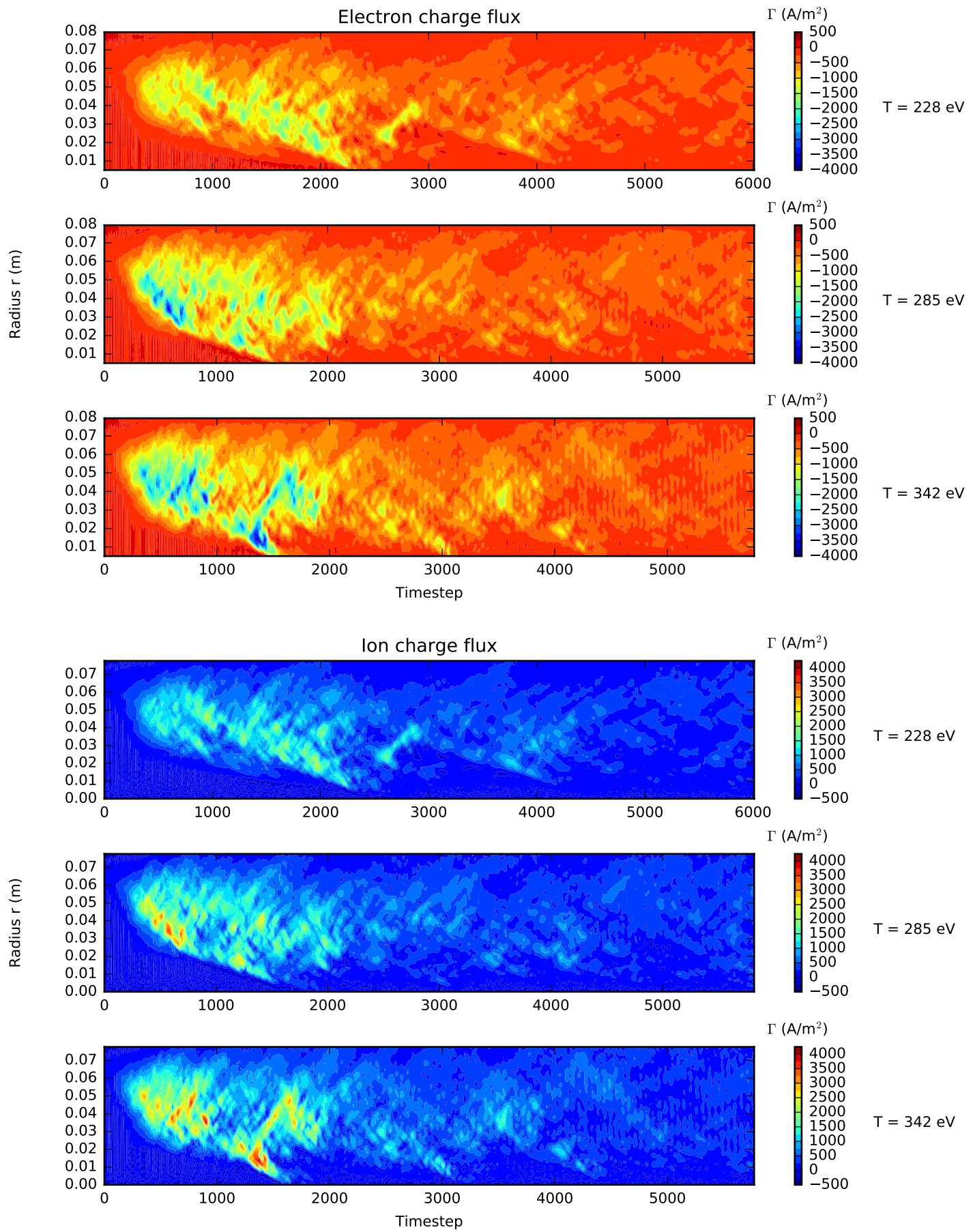
— $T = 228 \text{ eV}$
- - $T = 285 \text{ eV}$
- - $T = 342 \text{ eV}$

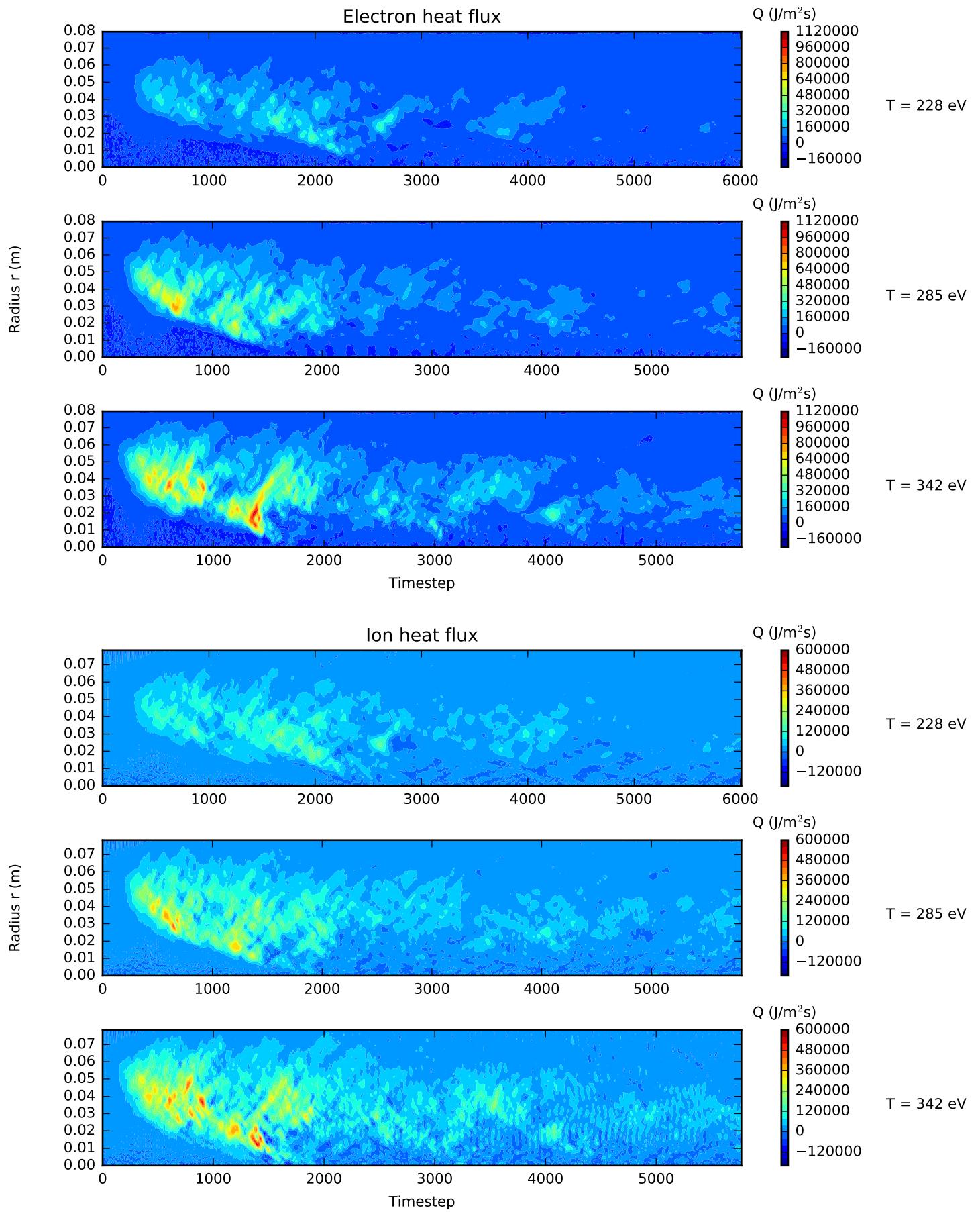
Electron heat flux at $r = 0.0275006452 \text{ m}$

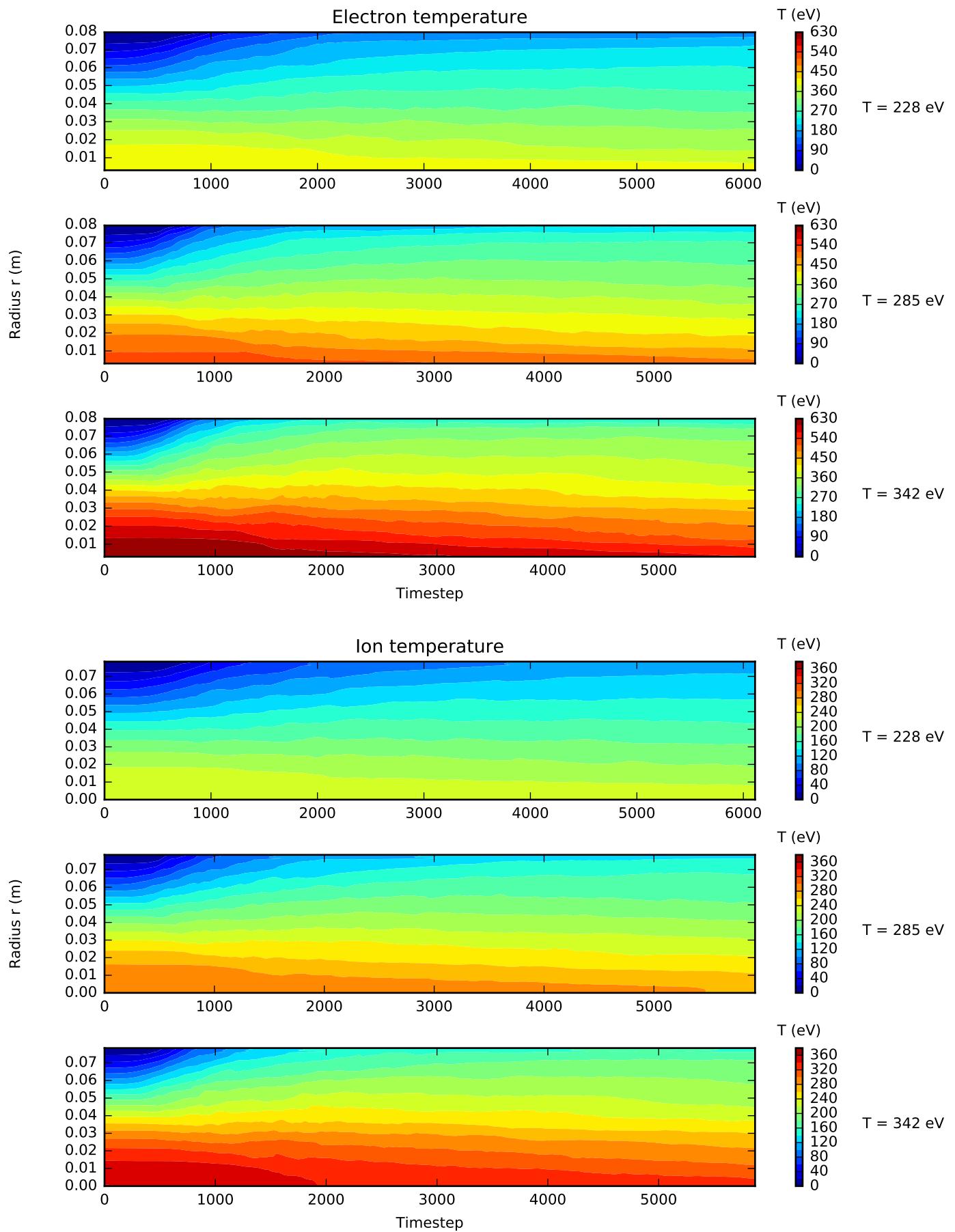


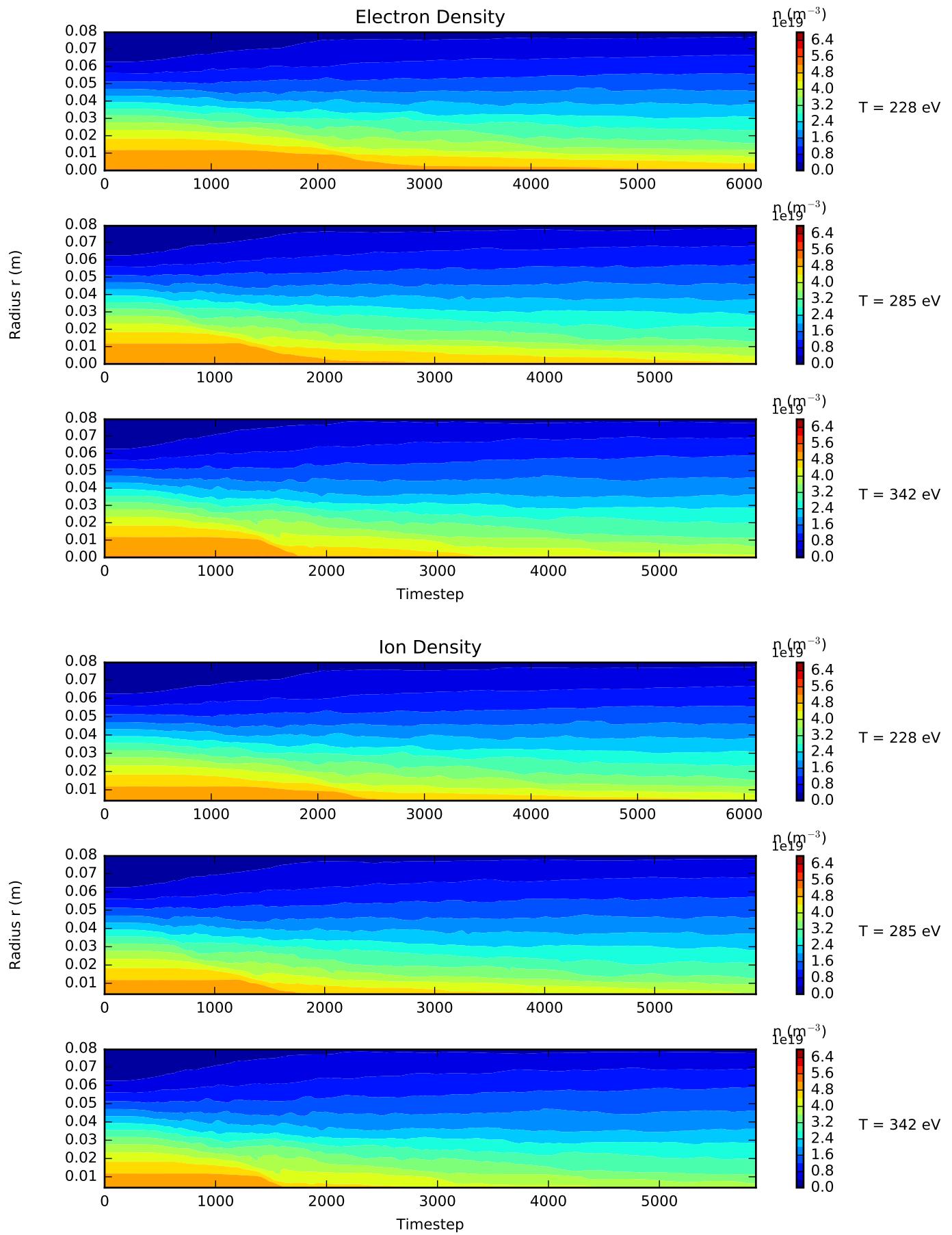
Ion heat flux at $r = 0.0275006452 \text{ m}$

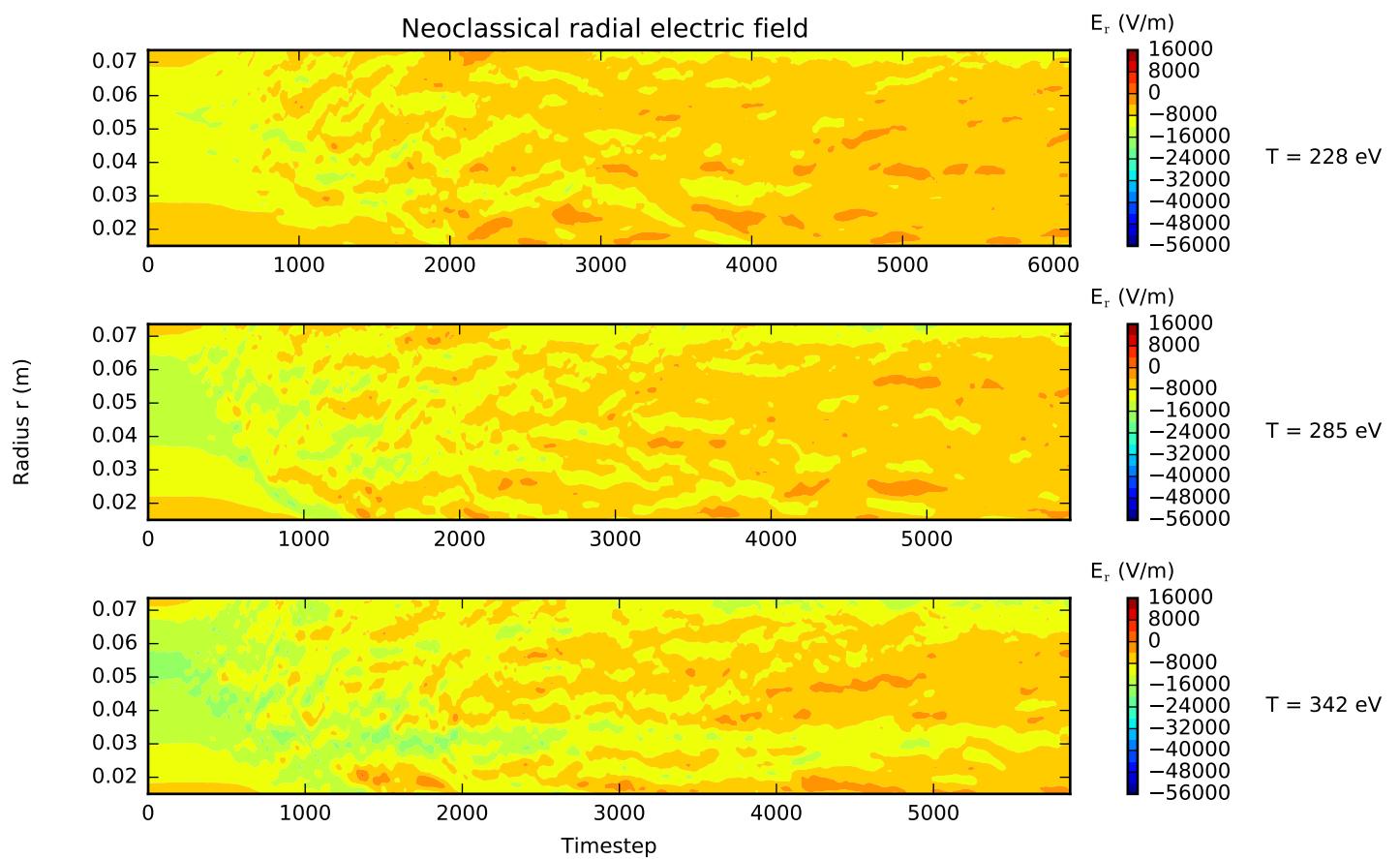
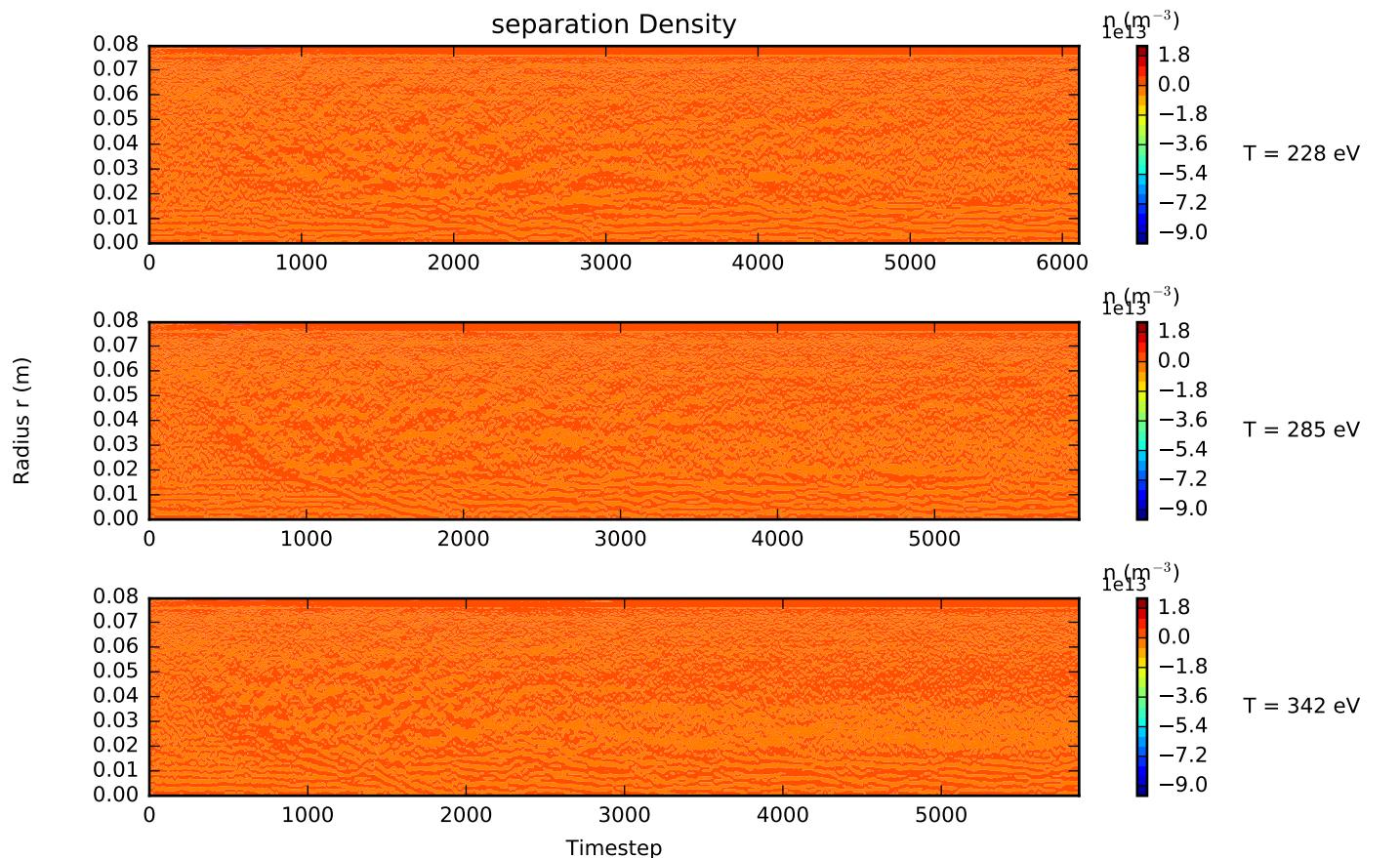


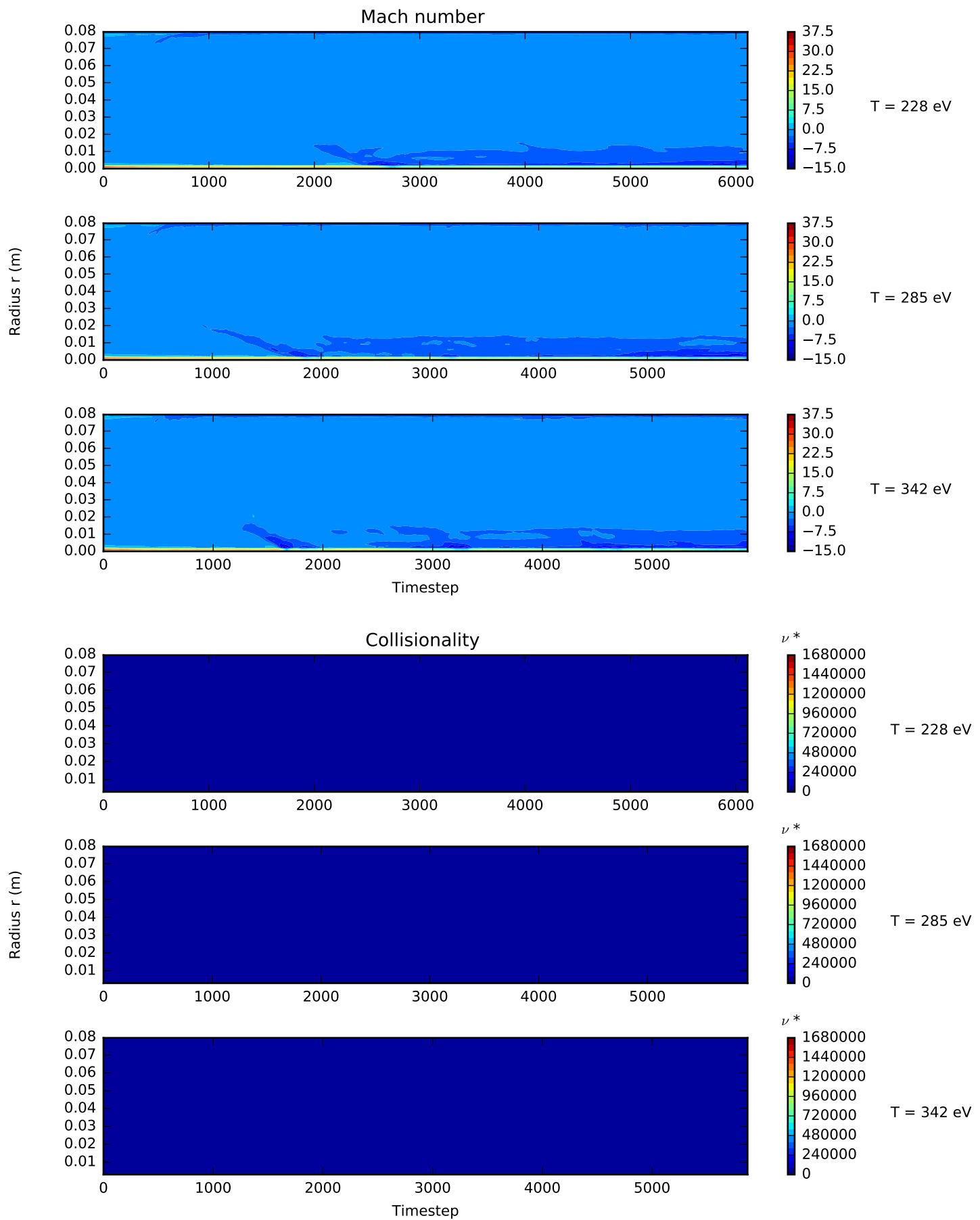












simulation1

2016-06-30 18:24

parallel run with 1152 processors

maximum grid size: dnx = 113, dny = 600, dnz = 8
gyroboxes: boxnx = 12, boxny = 12, boxnz = 2, boxR = 1, boxP = 4

Simulation regime from axis
to wall = 0.8000E-01

parts in radius:	132	132
parts in poloidal angle:	150	150
parts in toroidal angle:	8	8
parts in pitch:	43	43
total number of particles:	489858752	489858752

Kinetic electrons

time step (tint): 0.1000E-07
simulation time (ttint): 0.5502E-03

collisions:

i-i: 1 e-i: 1 e-e: 1
radial pairing slots: 113 poloidal pairing slots: 30
bgheat = 0

e2: 5

boundary conditions:
0.0000E+00 V potential at material boundary

parabolic temperature profile for electrons
with ptemp = 0.4000E+03 tteco = 0.1000E+01 eg = 0.1300E+01 and tempe = 0.4300E-01
parabolic temperature profile for ions
with ptemp = 0.2280E+03 tteco = 0.1000E+01 eg = 0.1300E+01 and tempe = 0.4300E-01
parabolic density profile
pldens = 0.5000E+20 dteco = 0.1000E+01 eb = 0.2500E+01 and dense = 0.2000E-01

some plasma parameters:

minor radius = 0.7600E-01 wall radius = 0.8000E-01
major radius = 0.5500E+00
toroidal magnetic field bt = 0.2200E+01
plasma current profile = 0.2200E+05 ea = 0.1000E+01
ion mass = 0.1672E-26 ion charge = 0.1000E+01

some other parameters:

number of ion species: 1
ncond,dom,ey = 0 0.5800E+10 0.5000E+05
wy,rce,rde = 0.4000E+05 0.5000E-01 0.3000E-01
ineut,dneu = 1 0.1000E-01
nene,pni = 10 4

cputotal: : 145047.250 144366.219

simulation2

2016-06-30 18:18

parallel run with 1152 processors

maximum grid size: dnx = 113, dny = 600, dnz = 8
gyroboxes: boxnx = 12, boxny = 12, boxnz = 2, boxR = 1, boxP = 4

Simulation regime from axis
to wall = 0.8000E-01

parts in radius:	132	132
parts in poloidal angle:	150	150
parts in toroidal angle:	8	8
parts in pitch:	43	43
total number of particles:	489858752	489858752

Kinetic electrons

time step (tint): 0.1000E-07
simulation time (ttint): 0.5502E-03

collisions:

i-i: 1 e-i: 1 e-e: 1
radial pairing slots: 113 poloidal pairing slots: 30
bgheat = 0

e2: 5

boundary conditions:
0.0000E+00 V potential at material boundary

parabolic temperature profile for electrons
with ptemp = 0.5000E+03 tteco = 0.1000E+01 eg = 0.1300E+01 and tempe = 0.4300E-01
parabolic temperature profile for ions
with ptemp = 0.2850E+03 tteco = 0.1000E+01 eg = 0.1300E+01 and tempe = 0.4300E-01
parabolic density profile
pldens = 0.5000E+20 dteco = 0.1000E+01 eb = 0.2500E+01 and dense = 0.2000E-01

some plasma parameters:

minor radius = 0.7600E-01 wall radius = 0.8000E-01
major radius = 0.5500E+00
toroidal magnetic field bt = 0.2200E+01
plasma current profile = 0.2200E+05 ea = 0.1000E+01
ion mass = 0.1672E-26 ion charge = 0.1000E+01

some other parameters:

number of ion species: 1
ncond,dom,ey = 0 0.5800E+10 0.5000E+05
wy,rce,rde = 0.4000E+05 0.5000E-01 0.3000E-01
ineut,dneu = 1 0.1000E-01
nene,pni = 10 4

cputotal: : 145065.500 144282.766

simulation3

2016-06-30 18:23

parallel run with 1152 processors

maximum grid size: dnx = 113, dny = 600, dnz = 8
gyroboxes: boxnx = 12, boxny = 12, boxnz = 2, boxR = 1, boxP = 4

Simulation regime from axis
to wall = 0.8000E-01

parts in radius:	132	132
parts in poloidal angle:	150	150
parts in toroidal angle:	8	8
parts in pitch:	43	43
total number of particles:	489858752	489858752

Kinetic electrons

time step (tint): 0.1000E-07
simulation time (ttint): 0.5502E-03

collisions:

i-i: 1 e-i: 1 e-e: 1
radial pairing slots: 113 poloidal pairing slots: 30
bgheat = 0

e2: 5

boundary conditions:
0.0000E+00 V potential at material boundary

parabolic temperature profile for electrons
with ptemp = 0.6000E+03 tteco = 0.1000E+01 eg = 0.1300E+01 and tempe = 0.4300E-01
parabolic temperature profile for ions
with ptemp = 0.3420E+03 tteco = 0.1000E+01 eg = 0.1300E+01 and tempe = 0.4300E-01
parabolic density profile
pldens = 0.5000E+20 dteco = 0.1000E+01 eb = 0.2500E+01 and dense = 0.2000E-01

some plasma parameters:

minor radius = 0.7600E-01 wall radius = 0.8000E-01
major radius = 0.5500E+00
toroidal magnetic field bt = 0.2200E+01
plasma current profile = 0.2200E+05 ea = 0.1000E+01
ion mass = 0.1672E-26 ion charge = 0.1000E+01

some other parameters:

number of ion species: 1
ncond,dom,ey = 0 0.5800E+10 0.5000E+05
wy,rce,rde = 0.4000E+05 0.5000E-01 0.3000E-01
ineut,dneu = 1 0.1000E-01
nene,pni = 10 4

cputotal: : 145075.500 144351.859