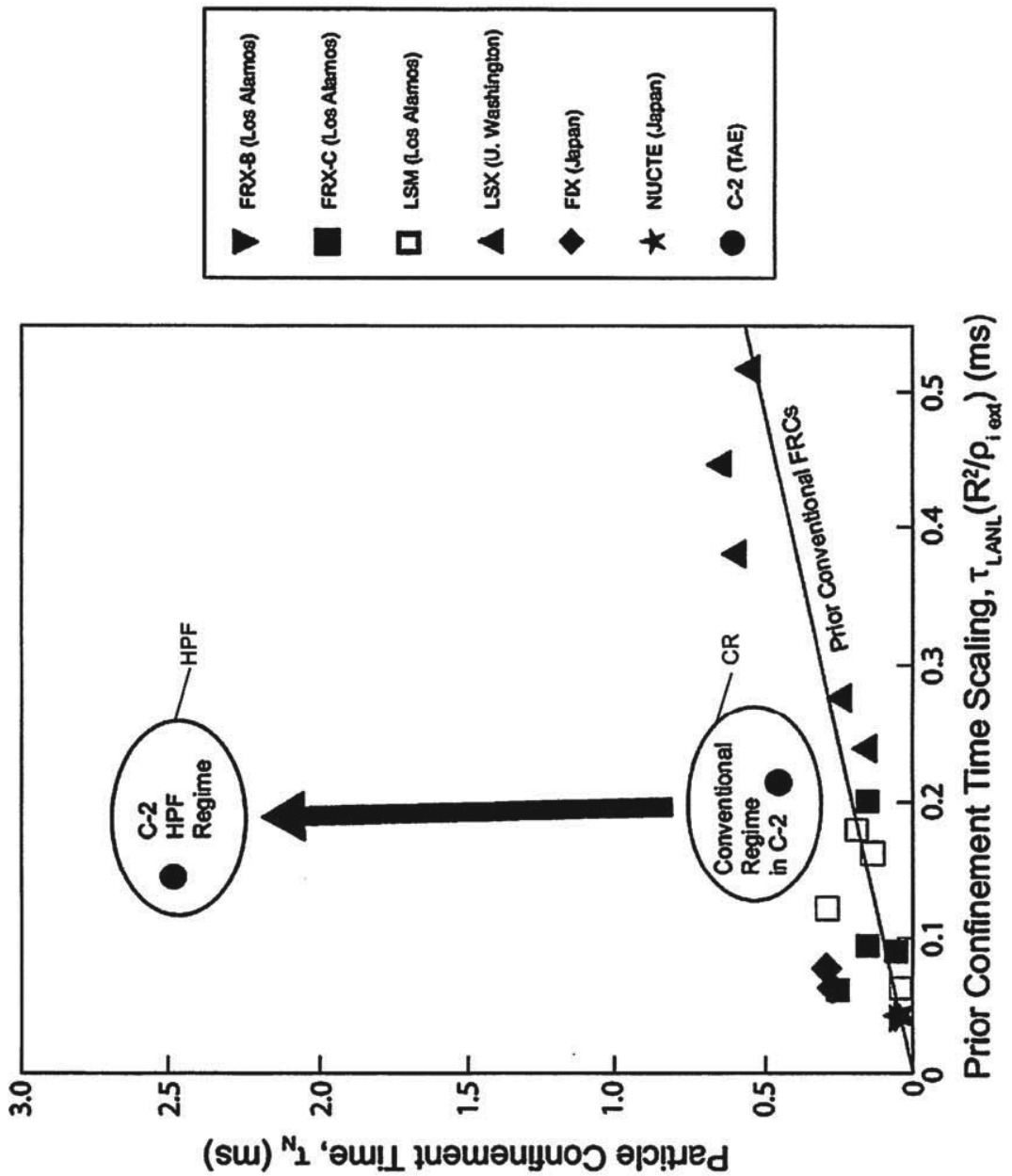
FRX-B (Los Alamos)
FRX-C (Los Alamos)
LSM (Los Alamos)
LSX (U. Washington)
FIX (Japan)
NUCTE (Japan)
C-2 (TAE)
C-2 HPF Regime
HPF
Conventional Regime in C-2
CR
Prior Conventional FRCs
Particle Confinement Time, τ_N (ms)
Prior Confinement Time Scaling, $\tau_{LANL}(R^2/\rho_{i\,ext})$ (ms)
0
0.1
0.2
0.3
0.4
0.5
0.5
1.0
1.5
2.0
2.5
3.0

FIGURE 1

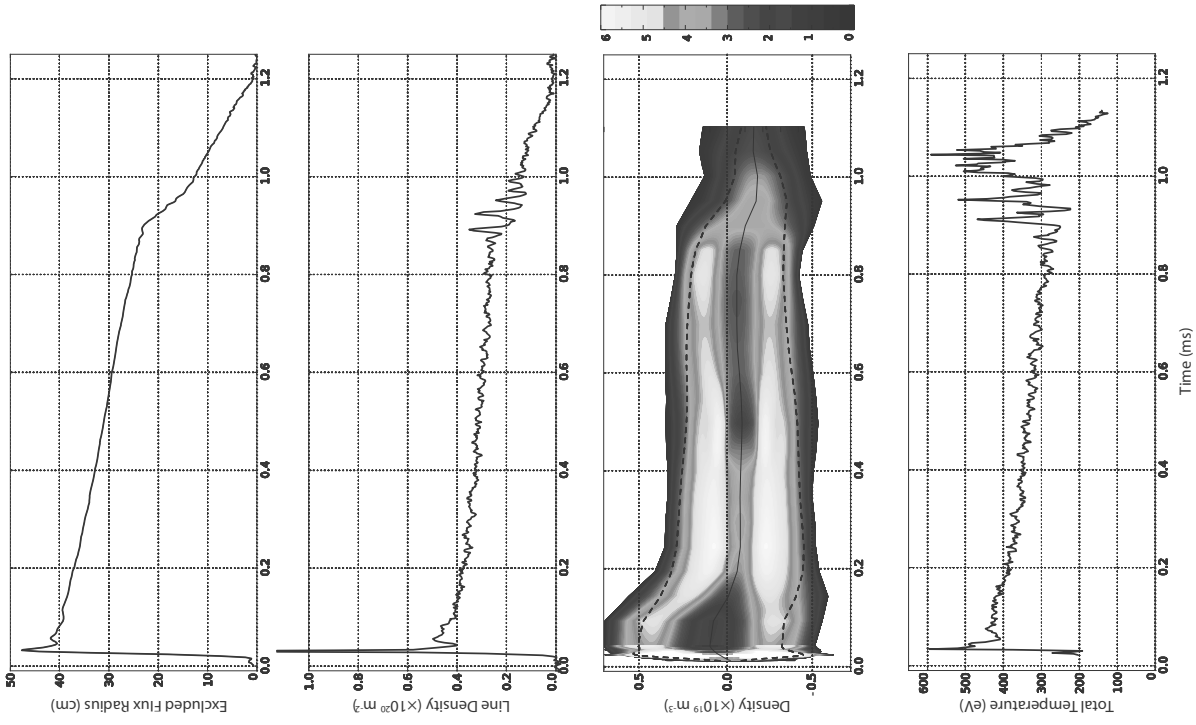
(a)
Excluded Flux Radius (cm)
(b)
Line Density (×10²⁰ m⁻²)
(c)
Density (×10¹⁹ m⁻³)
(d)
Total Temperature (eV)
Time (ms)

FIGURE 13

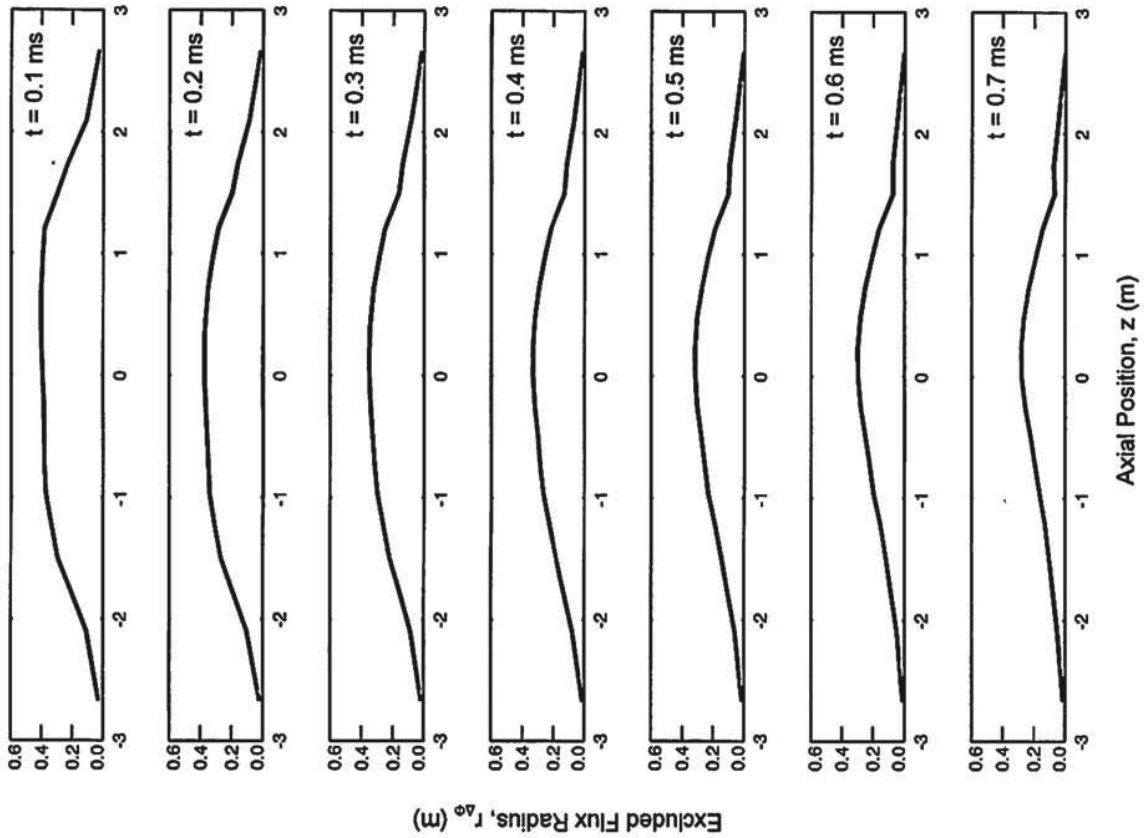
t = 0.1 ms
t = 0.2 ms
t = 0.3 ms
t = 0.4 ms
t = 0.5 ms
t = 0.6 ms
t = 0.7 ms
Excluded Flux Radius, $r_{A\phi}$ (m)
Axial Position, z (m)

FIGURE 14

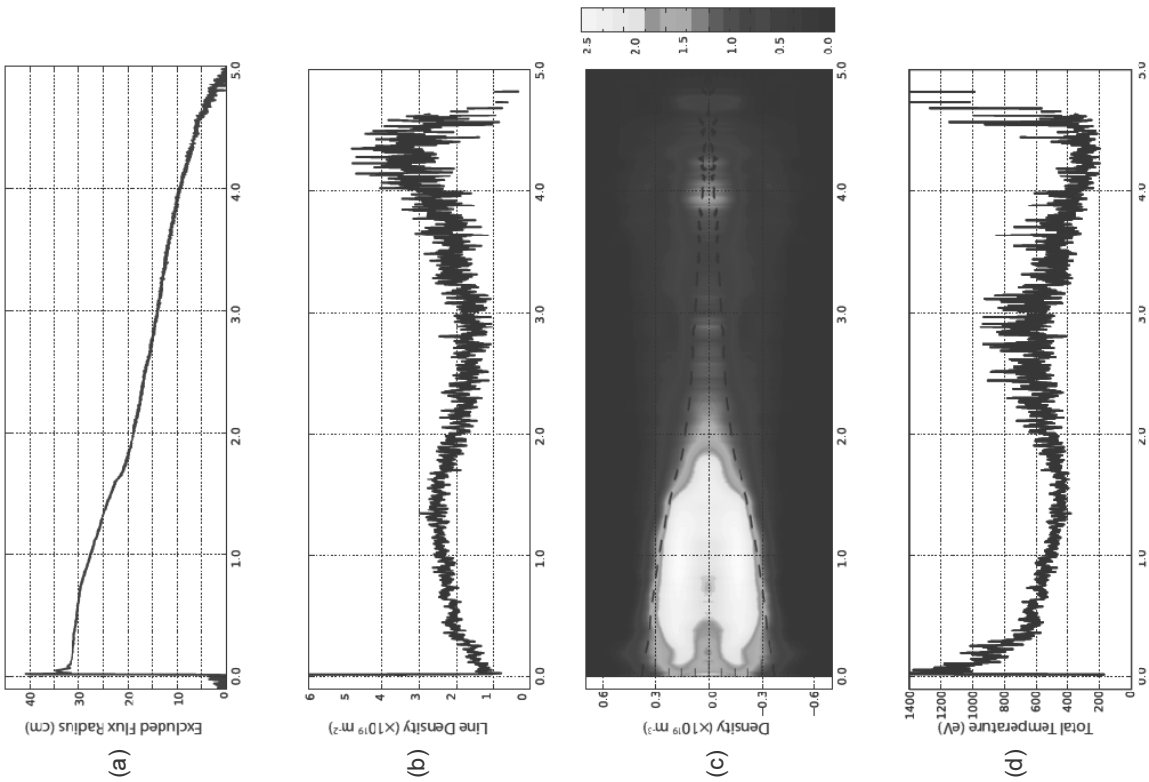
(a)
Excluded Flux Radius (cm)
(b)
Line Density (×10¹⁹ m⁻²)
(c)
Density (×10¹⁹ m⁻³)
(d)
Total Temperature (eV)
Time (ms)

FIGURE 18