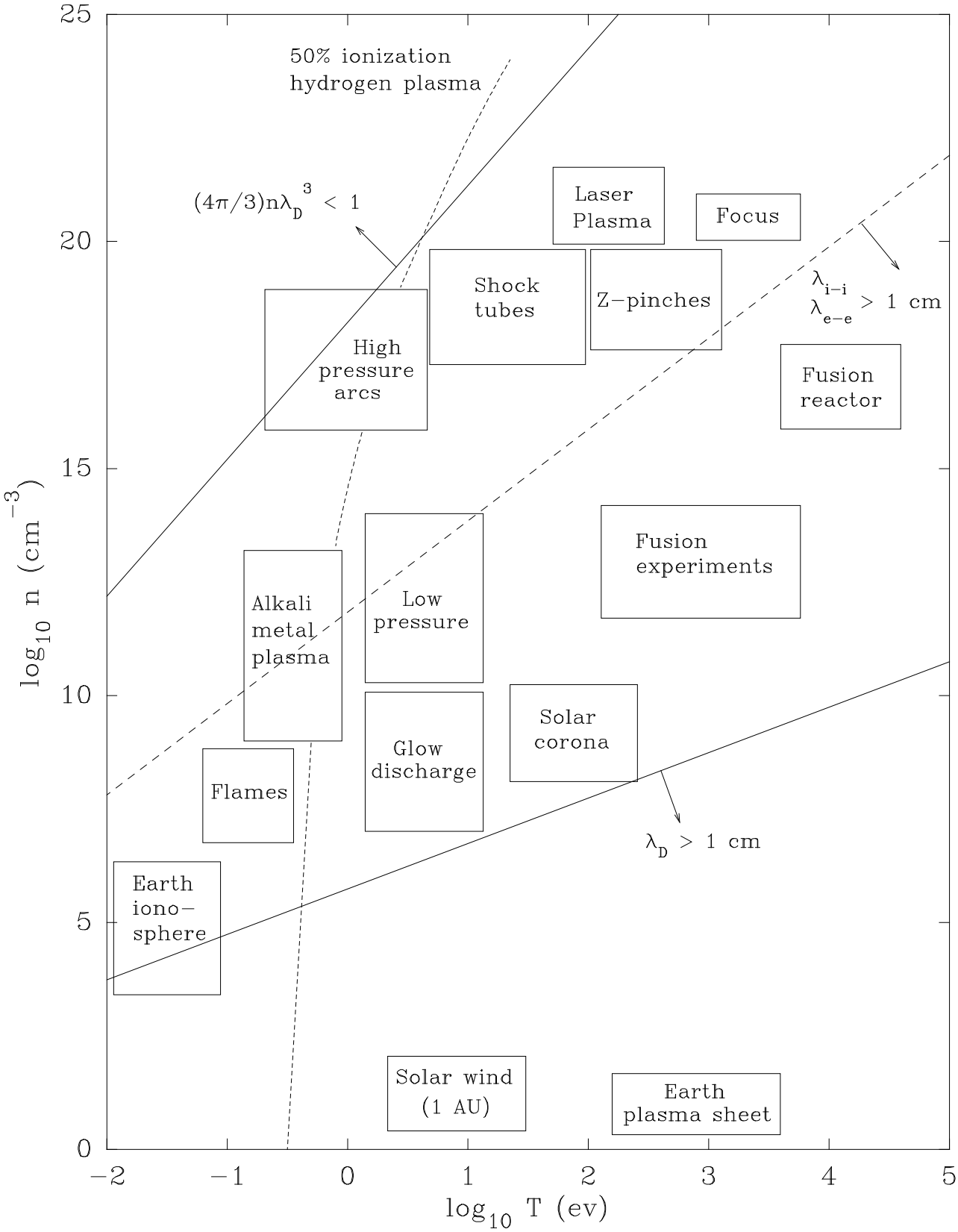
50% ionization
hydrogen plasma
$(4\pi/3)n\lambda_D^3 < 1$
Laser
Plasma
Focus
Shock
tubes
Z−pinches
λ_{i-i}
$\lambda_{e-e} > 1$ cm
High
pressure
arcs
Fusion
reactor
Fusion
experiments
Alkali
metal
plasma
Low
pressure
Solar
corona
Glow
discharge
Flames
$\lambda_D > 1$ cm
Earth
iono−
sphere
Solar wind
(1 AU)
Earth
plasma sheet
$\log_{10}$ n (cm^{-3})
$\log_{10}$ T (ev)
25
20
15
10
5
0
−2
−1
0
1
2
3
4
5