

Density effects on plasma spectroscopy

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1. Atomic kinetic effects:
 - (a) Ladder ionization
 - (b) Metastable states
 - (c) Local thermodynamic equilibrium
 - (d) Degenerate electron distributions
2. Atomic structure effects:
 - (a) Plasma screening
 - (b) Pressure ionization
 - (c) Ion correlations
 - (d) Line broadening

Further Reading

1. Modern Methods in Collisional-Radiative Modeling, Y. Ralchenko (ed.), Springer (2016).

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