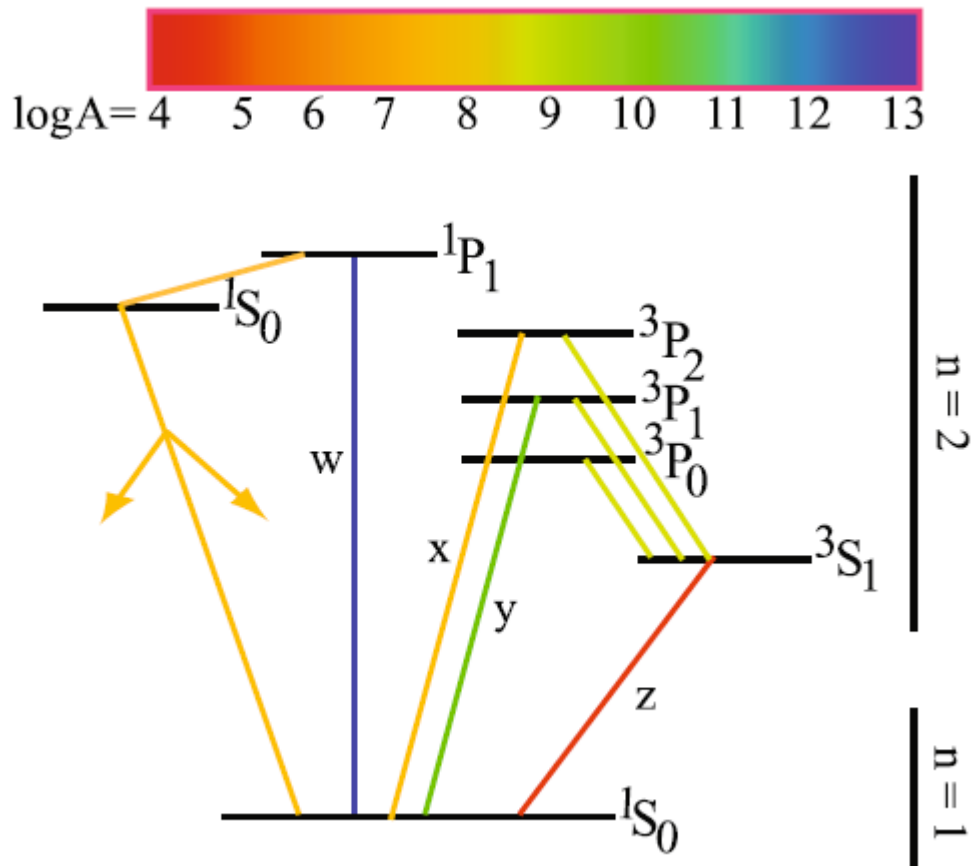


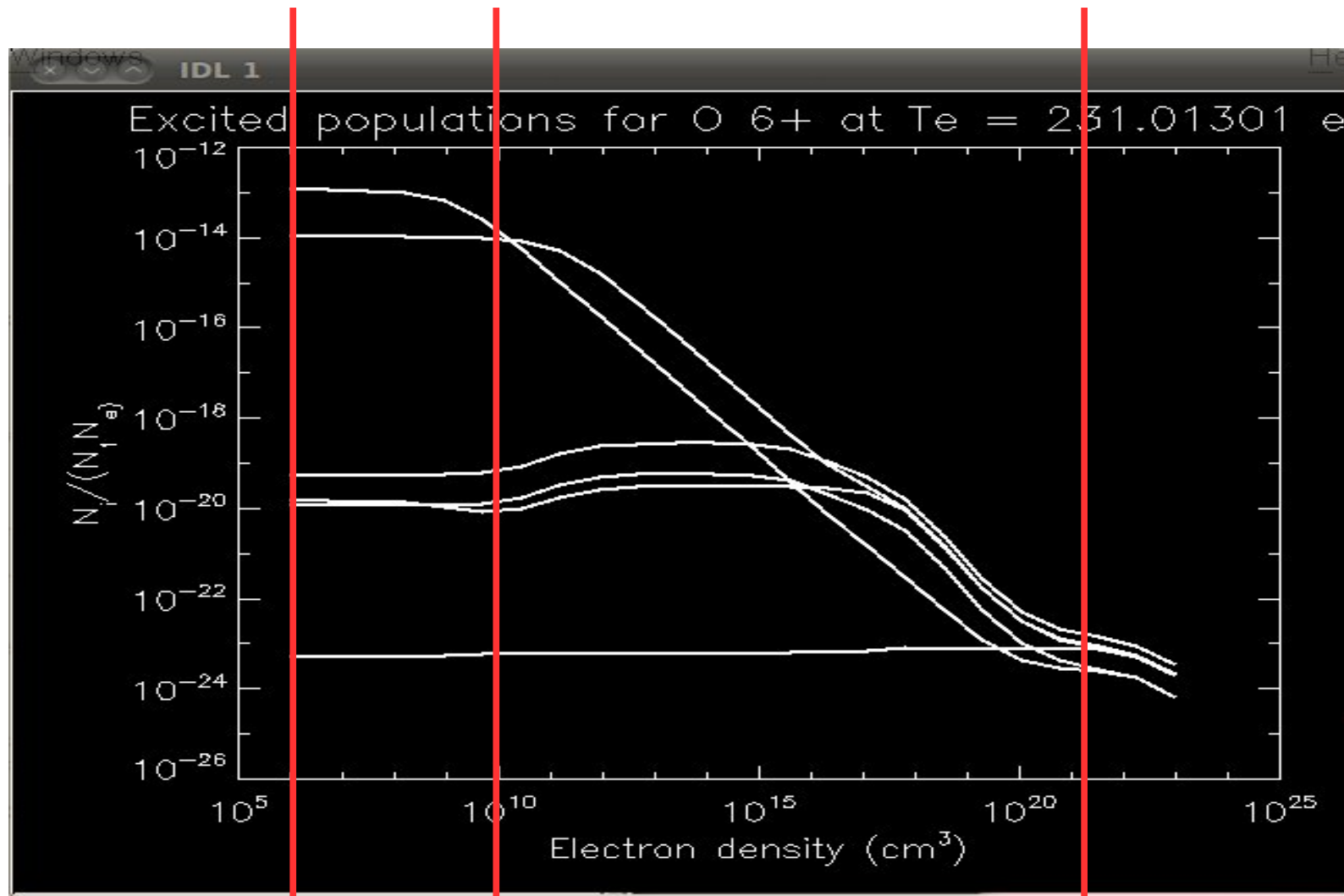
# He-like line ratio diagnostics

- For  $O^{6+}$



- The (G)ratio of the  $(X+Y+Z)/W$  is  $T_e$  dependent for  $N_e < 1 \times 10^7 \text{ cm}^{-3}$ .
- The (R)ratio of the  $Z/(X+Y)$  is density dependent.

# Plasma density regimes



Coronal

Collisional-radiative

LTE

# Results – R ratio

