

FIGURE 3.1
 Energy-level diagram for lowest terms of [O III], all from ground $2p^2$ configuration, and for [N II], of the same isoelectronic sequence. Splitting of the ground $3P$ term has been exaggerated for clarity. Emission lines in the optical region are indicated by dashed lines, and by solid lines in the infrared and ultraviolet. Only the strongest transitions are indicated.

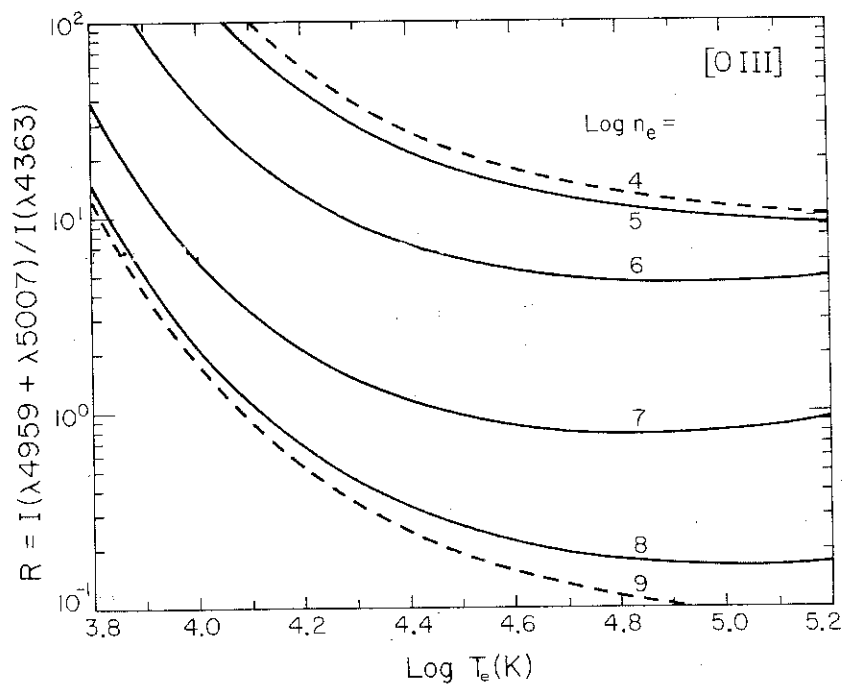


FIG. 11.—The theoretical intensity ratio of nebular to auroral [O III] emission (R) is plotted as a function of $\log T_e$ for a range of densities and zero reddening. Dashed lines approximate the low- and high-density limits.