

Figure 3-1

This figure shows the relative continuum used in the photoionization model calculations. This is the standard “AGN” spectrum included within CLOUDY, and derived in Mathews and Ferland (1987). This idealized continuum is shown as relative flux (energy per unit frequency) versus frequency, both expressed as base 10 logarithms. This continuum includes the big blue bump possibly connected with $\sim 10^5$ °K thermal emission from an accretion disk, a hard X-Ray power law, and dust emission at $1\text{-}500\mu$. Power-law slopes with $\alpha = -0.5$ and -1.0 ($L_\nu \propto \nu^\alpha$) are also shown, as well as selected wavelength and energy points.