



Figure 1.4.23 Golovanivsky's boundary conditions under which charge transfer dominates or has little effect [103].

of the ion energy. An even simpler expression was derived from Chibisov's formula; though less accurate, it still provides the order of magnitude [108]

$$K = 1 \quad \sigma_x = 1.7 \times 10^{-15} z \quad (\text{cm}^2). \quad (1.4.42)$$

For the allowable limit of the neutral density in ECRIS we suppose that the time