

Fig. 2-1. Absolute partial ionization cross sections for $\text{He} + e \rightarrow \text{He}^+ + 2e$ after Märk (1982 a). *Experimental*: Full dots: Stephan *et al.* (1980). *Theoretical*: Curve 1: Elwert 1952 (given by Pitchford *et al.* 1980), Curve 2: Gryzinski 1965 (Pitchford *et al.* 1980), Curve 3: Burgess 1964-Vriens 1966 a, b (Pitchford *et al.* 1980), Curve 4: Gryzinski 1959 (Ochkur and Petrunkin 1963), Curve 5: Ochkur 1964 (Peach 1966)

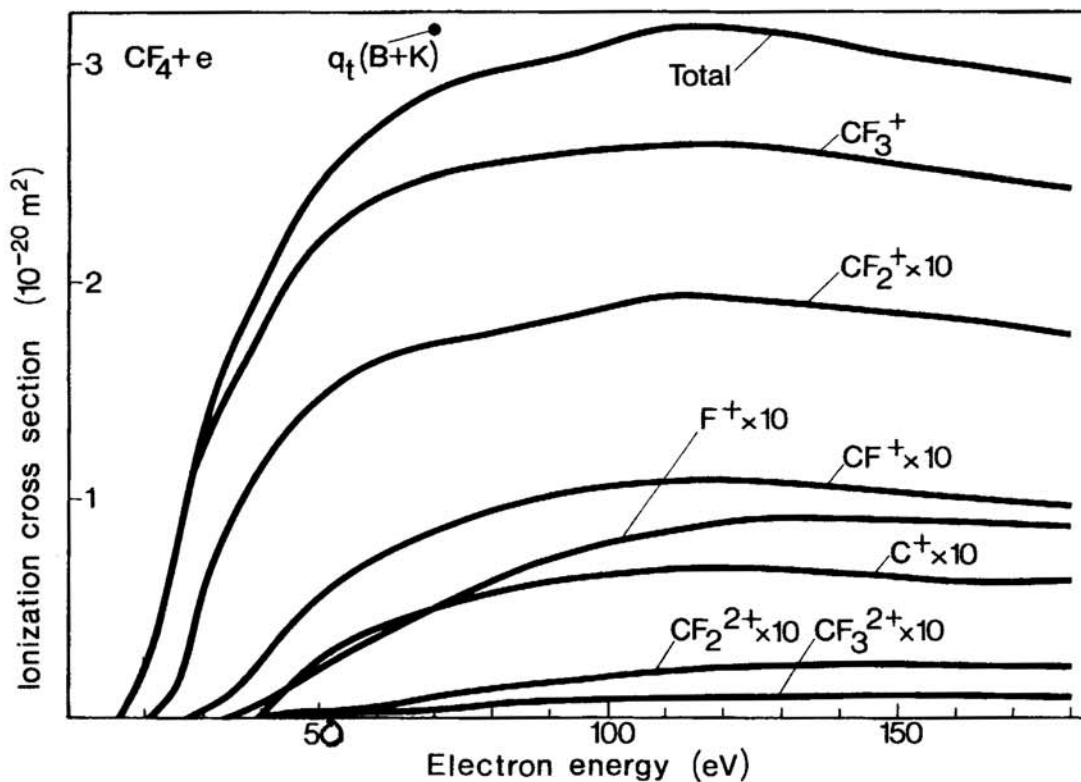
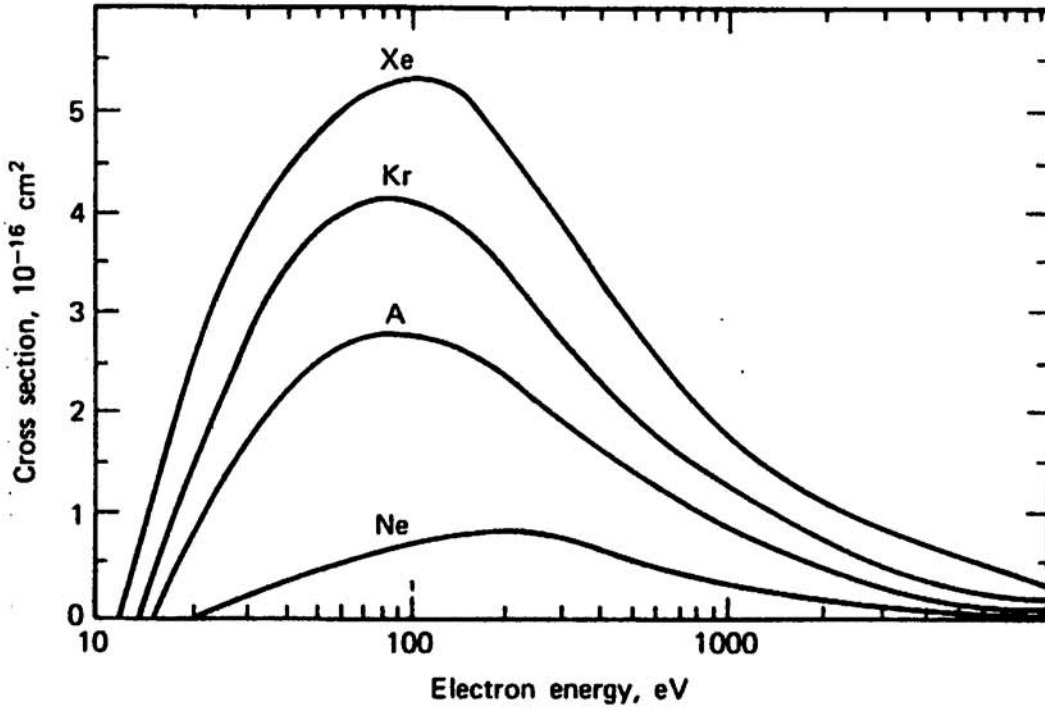


Fig. 5-34. Partial and total ionization cross section functions for fragment ions of CF_4 as measured by Stephan *et al.* (1983 d, e). Full dot: total cross section at 70 eV determined by Beran and Kevan (1969) recalibrated to the Ar value of Rapp and Englander-Golden (1965)



Total Ionization Cross Sections for Rare Gases