Corrigenda

K. B. WINTERBON, "Deposition of Energy in U, UC, and UO_2 Fuels," *Nucl. Sci. Eng.*, **53**, 261 (1974).

An error has been found in the program by which these data were calculated: Values of electronic stopping for recoils in polyatomic targets were wrong. Corrected data are given in Figs. 1a, 1b, and 1c.

It has been found that the values of $\nu(E)/E$ at low energies can be fitted very well by the expression

$$[1 + \alpha(k/k_L)E^{1/6}(1 + \beta E^{8/9})^{\gamma}] \quad . \tag{1}$$

Values for α, β, γ, and δ (for E in keV) for the five cases are given below. The quantity (1) has been shown for $k = k_L$ in the figures by a dashed line.

	α	β	γ	δ
U → U	0.04737	0.002375	0.9839	-3.102
U → UC	0.05706	0.01150	0.08974	-1.804
C → UC	0.1237	0.1358	0.3662	-2.074
U → UO_2	0.04697	0.006827	0.1808	-2.022
O → UO_2	0.08097	0.06050	0.5111	-2.409

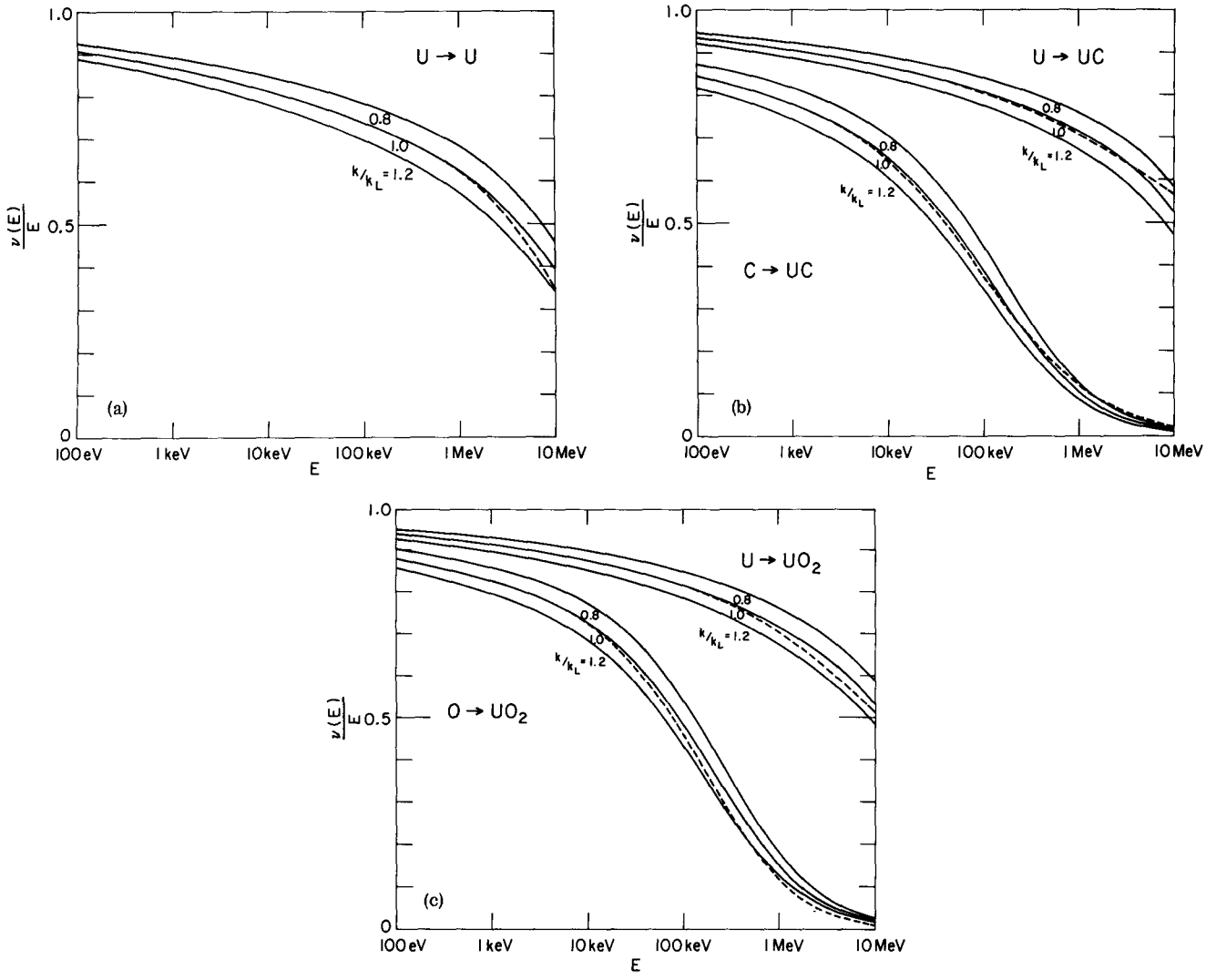

Fig. 1. Fraction of energy deposited in atomic motion: (a) for uranium slowing down in uranium, (b) for uranium and carbon slowing down in UC, and (c) for uranium and oxygen slowing down in UO_2.