

ERRATUM

Please note the following corrections to material presented in the article "On electron acceleration by plane transverse electromagnetic pulses in vacuum," by Werner Scheid and Heinrich Hora, Department of Theoretical Physics, The University of New South Wales, Kensington, NSW, 2033 Australia, *Laser and Particle Beams* (1989), vol. 7, part 2, pp. 315–332.

Eq. (62) must be multiplied by an additional factor γ^3 . Then Eqs. (63)–(66) change as follows:

$$\frac{dW}{du} = -\frac{2}{3} \frac{e^4 E_y^2}{m^2 c^4} \left(1 + \frac{1}{2} A^2\right) \quad (63)$$

$$W = \frac{2}{3} e^2 \delta^2 \int_0^l \left(1 + \frac{1}{2} \delta^2 u^2\right) du \quad (64)$$

$$W = \frac{1}{9} e^2 l^3 \delta^4 \quad (65)$$

$$W = \frac{4}{9} \alpha \frac{\hbar c}{l} (\gamma - 1)^2 \quad (66)$$

For $l = 10^{-6}$ m and $\gamma = 10^6$ we calculate $W = 640$ MeV.