Maximal Acceleration and the Time-Energy Uncertainty Relation.

W. R. WOOD, G. PAPINI and Y. Q. CAI

*Department of Physics, University of Regina
Regina, Saskatchewan, Canada, S4S 0A2*

(*Nuovo Cimento B*, **104**, 361 (1989))

The following misprints should be noticed:

1) The Greek letter ω that occurs on the second line from the bottom of p. 361, twice in eq. (1) and in the second line after eq. (8) should be replaced by the letter v .

2) The words «in the» should be inserted between the words «magnitude» and «instantaneous» in the eighth line from the bottom of p. 362.

3) Equation (8) should be replaced by

$$|a|_{\max} = 2 \frac{m_0 c^3}{\hbar}.$$

4) Equation (9) should be replaced by

$$\mathbf{a}' = \frac{1}{\gamma^2} \left[\mathbf{a}_p - \frac{(1 - \gamma)(\mathbf{v} \cdot \mathbf{a}_p) \mathbf{v}}{v^2} - \frac{\gamma(\mathbf{v} \cdot \mathbf{a}_p) \mathbf{v}}{c^2} \right].$$

5) Equation (13) should be replaced by

$$(\Delta f)^2 = \langle \Phi | (\hat{f} - \langle \hat{f} \rangle)^2 | \Phi \rangle, \quad (\Delta g)^2 = \langle \Phi | (\hat{g} - \langle \hat{g} \rangle)^2 | \Phi \rangle.$$

6) The inequality « $\leq$ » that occurs in eqs. (14) and (15) should be replaced by « $\geq$ ».

7) The fifth line from the top of page 366 should read «Landau and Lifshitz take $\hat{a} = \{f, g\} \hat{1}$ so that...».

8) The word «and» following «Caianiello's» in the fifteenth line from the bottom of p. 367 should be deleted.