Azimuth Angle Distribution of the Secondary Particles of Cosmic-Ray Jets.

K. IMAEDA and P. FLEMING

School of Cosmic Physics, Dublin Institute for Advanced Studies - Dublin(*Nuovo Cimento*, **62 A**, 439 (1969))

i) In line 14 of page 441: replace $\tilde{\beta}_f (= \tilde{\beta}_{ft})$ by $\tilde{\beta}_f (= \gamma_f \beta_{ft})$.

ii) Equation (3) should read

$$(3) \quad d \cos \theta^* d\varphi^* = d\tilde{\varphi} \frac{\tilde{\gamma}_f^2 [m + \sqrt{1 + \{1 - m^2\} \alpha^2}]^2 d \cos \tilde{\theta}}{(1 + \alpha^2)^2 \sqrt{1 + (1 - m^2) \alpha^2} \cos^3 \tilde{\theta}}.$$

iii) Equation (5) should read

$$(5) \quad \Phi(\phi) d\phi = \frac{\tilde{\gamma}_f^2 (1 - m^2)^{\frac{3}{2}}}{2\pi m^2} X^2 \left[1 + X \left(\frac{\pi}{2} + \operatorname{tg}^{-1} X \right) \right] d \operatorname{tg} \phi,$$

where

$$X = \pm \sqrt{\frac{a^2}{1 + \tilde{\gamma}_f^2 \operatorname{tg}^2 \phi}}, \quad a^2 = \frac{m^2}{1 - m^2},$$

iv) In equation (A.1), x should read $x = \frac{\sqrt{2 \ln 2}}{\phi_{\frac{1}{2}}} \phi$.

v) In equation (A.2), the second term of the right-hand side a_0 should read $2a_0$.

vi) Equation (A.3) should read

$$(A.3) \quad N(0 \sim \xi) = \sqrt{2}(a_0 + \pi k a_0^2) \xi k + \frac{1}{\sqrt{2}} \left[\frac{1}{2} - G \left[\frac{k}{\sqrt{2}} (2\pi - \xi) \right] + G \left[\frac{k\xi}{\sqrt{2}} \right] \right].$$