of measurement would be needed for the performance of the experiment.

We are grateful to V. B. Berestetskiĭ for discussions.

[1] S. Z. Belen'kiĭ, Лавинные процессы в космических лучах, (Cascade Processes in Cosmic Rays), M-L, 1948.

Translated by J. G. Adashko
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CORRECTION TO THE PAPER BY V. Ya. EĬDMAN "RADIATION OF AN ELECTRON MOVING IN A MAGNETO-ACTIVE PLASMA"

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In a paper of the author by this title J. Exptl. Theoret. Phys. (U.S.S.R.) **34**, 131, 1958, Soviet Phys. JETP **7**, 91 (1958) the normalization of the polarization vector $\mathbf{a}_{j\lambda}$ has not been carried out completely. These vectors should be written in the form:

$$\mathbf{a}_{j\lambda} = \zeta_j \{1/\sqrt{2};\ i\alpha_j/\sqrt{2};\ i\beta_j/\sqrt{2}\},$$

where

$$\zeta_j^2 = 2n_{j\lambda}^2 \Big/ \left[\left(1 - \frac{V}{1-u}\right)(1+\alpha_j^2) + (1-V)\beta_j^2 - \frac{2V\sqrt{u}}{1-u}\alpha_j\right],$$

$$\alpha_j = K_j \cos\theta + \gamma_j \sin\theta; \quad \beta_j = -K_j \sin\theta + \gamma_j \cos\theta;$$

$$K_j = \frac{2\sqrt{u}\,(1-V)\cos\theta}{u\sin^2\theta \mp \sqrt{u^2\sin^4\theta + 4u(1-V)^2\cos^2\theta}},$$

$$\gamma_j = \frac{V\sqrt{u}\sin\theta + K_j uV\cos\theta\sin\theta}{1 - u - V(1 - u\cos^2\theta)}.$$

Taking account of the above correction leads to the appearance of the factor ζ_j in Eq. (7) and the factor $|\zeta_j|^2$ in Eqs. (10), (12) – (17), (24), (25) and the formula following Eq. (22). Hence the last equation in the paper should contain the factor $|\zeta_1|^2/|\zeta_2|^2$. Furthermore, in addition to the expression for W_{1j} [Eq. (24)], we must introduce the expression

$$W_{-1j} = \frac{Te^2\omega_{-1}^2\, d\Omega\, [v_1(-1+\alpha_j) - \beta_j\omega_{-1}n_{j\lambda}r_0\beta_2\sin\theta]^2\, |\zeta_j|^2}{16\pi c^3\, |1 - \beta_2\cos\theta\,(n_{j\lambda} + \omega_{-1}\partial n_{j\lambda}/\partial\omega)|},$$

$$\omega_{-1} = \frac{\Omega_0}{|1 - \beta_2 n_{j\lambda}\cos\theta|}.$$

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