Thus the product Ix_0 is relatively constant over our energy range. A numerical evaluation of eq. (5) using values of dE/dx obtained from equations given by HEITLER ⁽⁷⁾ yields a depolarization of 7% for positrons slowed down from 50 to 10 MeV in Be. This number should

be compared with that obtained from (9), approximately 9%. This amount of depolarization is much too small to explain the experimental result ⁽⁴⁾.

* * *

We would like to thank Dr. C. H. Woo for many helpful discussions and his continued interest in this problem.

⁽⁷⁾ W. HEITLER: *The Quantum Theory of Radiation*, 3rd ed. (London, 1954), p. 251, 367.

Multiple Coulomb Scattering for Very-High-Energy Particles.

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An investigation on large cell scattering of μ -mesons, carried out in continuation of the above work, communicated later for publication and agreed upon for inclusion as an Appendix to the above work, has appeared as Appendix III. Prior to the knowledge of its having been accepted as an appendix, these results were included briefly in the form of Appendix II added in proofs.

The duplication of subject matter, on account of both the appendices having been published is regretted.

The caption of Fig. 2 should read « Integral Distribution ... » instead of « Internal ... ».