

## TAP 534- 1: Anderson's positron photograph

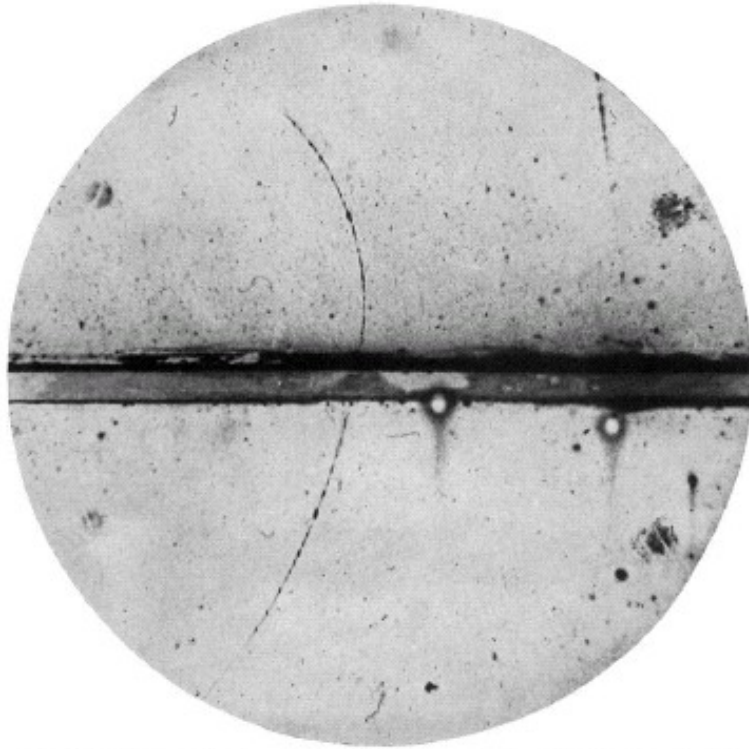


FIG. 1. A 65 million volt positron ( $H\rho=2.1\times 10^6$  gauss-cm) passing through a 6 mm lead plate and emerging as a 23 million volt positron ( $H\rho=7.5\times 10^4$  gauss-cm). The length of this latter path is at least ten times greater than the possible length of a proton path of this curvature.

“On August 2 1932 during the course of photographing cosmic-ray tracks produced in a vertical Wilson chamber (magnetic field 15,000 gauss) designed in the summer of 1930 by Prof R A Millikan and the writer the track shown in fig 1 was obtained which seemed to be interpretable only on the basis of a particle carrying a positive charge but having the same mass of the same order of magnitude as that normally possessed by a free electron”.

## **External reference**

The original reference is:

Anderson Carl D, The positive electron, Physical Review, Vol 43 pp 491-494 15 March 1933