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June 20, 1960

Dr. L.E. Farr

Dr. E.E. Stickley

MRR Output

The gold foil numbers from the neutron capture experiment of 17 June were lower than expected, by about 20 per cent.

At the moment, consideration of possible errors and mistakes seems to exclude patient placement of the foils and to point to the power calibration of the reactor. This conclusion follows from a 20 per cent upward drift in foil numbers during the two-hour experiment begun on 16 June and a drift in the screen control instrumentation, corrected by the operator on the morning of 17 June.

We plan to check these points with a calibration linearity run and drift measurements, to be repeated periodically.

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