Blumberg
NO. 7

Vertical Beam Size Measurements.

A trial measurement of beam size using the targets at J-5 was made.

Conditions

1) Vertical targets at J-5
2) 260 ms after t_0 ~ 30 ms after transition.
3) Beam Intensity ~ $4-4.4 \times 10^{12}$ p/p
4) Vertical size ~ 1.4 cm
5) Vacuum good (~ 10^{-7} all over)

Conclusions

1) J5 is a vertical β min position. Therefore vertical beam is bigger than before conversion (measured at 2×10^{12} p/p) by about a ratio of 1.4. Very preliminary result.
2) It is very difficult to adjust the vertical positions of the targets. Actuating motor is apparently low in voltage.
3) Additional studies required.

J. Herrera
April 12, 1973