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Vertical Beam Size at J19 vs. Time in Cycle

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USDOE Office of Science (SC)

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Vertical Bean Size Measurements (data of 3/9/74)
Measurement of roteal bean my were made
by intercepting 5% of the beaut with restricable flepful
aluminum targets.

Condit win

1) Vertical Targets at 5-19 (pr max)

2) Brun Intensity 5.5 to 6.0 x 10 1 p/p

3) Average very nacemm - 3×10-7 Voir.

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1). Initial measurements shown in accompanying graph.

2) H.E. beam is approx 0.5" (~1.2cm) at Brook.

3) L. E. beun is approx 2.2" (~5.5 cm) at Brown.

4) Katio (damping) is approxy 4.5/1 g while square next of momentum ratio is 7/1. This compares with the housental damping (see data of 5/10/73) of 5/1, and is larger than previously observed vertical damping (see data of 4/27/73) of about 3/1.

5) Preseries (4/27/73 meso are ments at 4.0 to 5 x 10° p/p) gave a brain sege it injustion of about (1.25'x1.4), to 78 wiches (pmax).

6) let H.E. previous measurements (4/27/73) gave a beaut sign of about 1.4 cm (at p mox) a

Juller 3/11/74

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