

BNL-103949-2014-TECH AGS.SN71;BNL-103949-2014-IR

FEB Intensity Measurements with Foils, Transformers

J. B. Cumming

May 1975

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Brookhaven National Laboratory

U.S. Department of Energy

USDOE Office of Science (SC)

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BROOKHAVEN NATIONAL LABORATORY

MEMORANDUM

DATE: May 12, 1975

TO:

D. C. Rahm - 510C

FROM:

J. B. Cumming

SUBJECT: Measurements of AGS FEB Fluxes

with Current Transformers and Foils

The table below summarizes the results of measurements made 4/25/75and 5/6/75 in the FEB.

Run	Flux (11c)	Flux (²⁴ Na)	Flux (CT)	(ČT/ ¹¹ c)	(CT/ ²⁴ Na)
501	7.95×10^{12}	8.20×10^{12}	•	1.142	1.108
502	3.67 x 10 ¹²	3.73×10^{12}	3.96 x 10 ¹²	1.079	1.062
503		8.42 x 10 ¹² *	8.76×10^{12}	منے سے بین	-1.04I* Omi
504	5.30×10^{13}	5.06×10^{13}		1.036	1.084
505	5.22×10^{13}			1.040	1.082
506	3.50×10^{12}	3.51×10^{12}		1.106	1.104
507	5.06×10^{12}	5.02×10^{12}	5.42×10^{12}	1.071	1.081
Average	1	,		1.079	1.080- 1.087
			S.D.	= 1.040	= + ±.017

From a thicker target where secondary particles may raise the flux as measured by ²⁴Na production.

JBC:bw

cc: J. W. Glenn III - 911A