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## FEB Intensity Measurements with Foils, Transformers

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**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 *JBC*  
 SUBJECT: Measurements of AGS FEB Fluxes  
 with Current Transformers and Foils

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

Run	Flux ( $^{11}\text{C}$ )	Flux ( $^{24}\text{Na}$ )	Flux (CT)	(CT/ $^{11}\text{C}$ )	(CT/ $^{24}\text{Na}$ )
501	$7.95 \times 10^{12}$	$8.20 \times 10^{12}$	$9.08 \times 10^{12}$	1.142	1.108
502	$3.67 \times 10^{12}$	$3.73 \times 10^{12}$	$3.96 \times 10^{12}$	1.079	1.062
503	- - -	$8.42 \times 10^{12*}$	$8.76 \times 10^{12}$	- - -	<del>1.041*</del> <i>omit</i>
504	$5.30 \times 10^{13}$	$5.06 \times 10^{13}$	$5.49 \times 10^{13}$	1.036	1.084
505	$5.22 \times 10^{13}$	$5.02 \times 10^{13}$	$5.43 \times 10^{13}$	1.040	1.082
506	$3.50 \times 10^{12}$	$3.51 \times 10^{12}$	$3.87 \times 10^{12}$	1.106	1.104
507	$5.06 \times 10^{12}$	$5.02 \times 10^{12}$	$5.42 \times 10^{12}$	<u>1.071</u>	<u>1.081</u>
Average				1.079	<del>1.080</del> <i>1.087</i>
				<i>S.D. = 1.040</i>	<i>= ± 1.017</i>

\* From a thicker target where secondary particles may raise the flux as measured by  $^{24}\text{Na}$  production.

JBC:bw

cc: J. W. Glenn III - 911A