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FEB Intensity Measurements with Foils, Transformers

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May 1975

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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}C)	Flux (^{24}Na)	Flux (CT)	($CT/^{11}C$)	($CT/^{24}Na$)
501	7.95×10^{12}	8.20×10^{12}	9.08×10^{12}	1.142	1.108
502	3.67×10^{12}	3.73×10^{12}	3.96×10^{12}	1.079	1.062
503	---	8.42×10^{12}*	8.76×10^{12}	---	~~1.041*~~ omit
504	5.30×10^{13}	5.06×10^{13}	5.49×10^{13}	1.036	1.084
505	5.22×10^{13}	5.02×10^{13}	5.43×10^{13}	1.040	1.082
506	3.50×10^{12}	3.51×10^{12}	3.87×10^{12}	1.106	1.104
507	5.06×10^{12}	5.02×10^{12}	5.42×10^{12}	1.071	1.081
Average				1.079	~~1.080~~ 1.087
			S.D. =	±.040	±.017

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

JBC:bw

cc: J. W. Glenn III - 911A