TMG- M43

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Symbol: TM-83

Group Ref: TMG-M43

WD - Family

November 26, 1952

MINUTES OF THE FORTY-THIRD MEETING OF THE THEORETICAL MEGATON GROUP

1. The forty-third meeting of the TMG convened at 9 A.M. November 26, 1952, in the W-Division Conference Room. Those present were:

H. Agnew
G. I. Bell
B. Carlson
G. Cowan
J. J. Devaney
C. Evans
F. Evans
G. L. Felt
W. B. Goad
G. M. Grover
D. Hall
F. C Hoyt
J. C. Mark, Chairman
H. Mayer
J. C. Potts
F. Reines
R. D. Richtmyer
A. Rosenbluth
M. Rosenbluth
L. Seely
P. R. Stein
B. Suydam
T. B. Taylor
J. L. Tuck
S. Ulam
M. C. Walske
B. Watt
J. Wechsler
G. M. Wing
E. Zadina

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW
1ST REVIEW-DATE: 8-15-97 DETERMINATION [CIRCLE NUMBER(S)] 1. CLASSIFICATION RETAINED 2. CLASSIFICATION CHANGED TO: 3. CONTAINS NO DOE CLASSIFIED INFO
AUTHORITY: DADC DADD 4. COORDINATE WITH: 5. CLASSIFICATION CANCELLED 6. CLASSIFIED INFO BRACKETED 7. OTHER (SPECIFY):
NAME: 2ND REVIEW-DATE: 9/13/97
AUTHORITY: ADD
NAME:

DOE b(3)

Topics

2. Opacity Experiments for Upshot.

3.

4.

5.

6.

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2. Opacity Measurements for Upshot.

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The original measurement of the fraction of the bomb collected has been confirmed to within 10% by use of an independent method. That fractionation was insignificant is well established from the normal distribution of fission products and other evidence.

The activation of the (n,2n) detectors gives the following results:

Detector	14 mev neutrons per original D

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DOE b(3)

OE (5)

An attempt is being made to account for all neutrons produced and to relate the number produced to the thermonuclear yield. This will be inconclusive, however, until measurements are completed on the number absorbed in air.

Frank C. Hoyt

Frank C. Hoyt

FCH:mg
Distribution on page 5

Distribution:

1A - G. Bell
2A - H. A. Bethe
3A - W. Bouricius
4A - N. E. Bradbury
5A - S. W. Burriss
6A - J. Calkin
7A - B. G. Carlson
8A - E. D. Cashwell
9A - F. de Hoffmann
10A - F. Evans
11A - B. E Freeman
12A - D. K. Froman
13A - W. Goad
14A - A. C Graves
15A - D. B. Hall
16A - L. E. Hightower
17A - M. G. Holloway
18A - F. C. Hoyt
19A - E. R. Jette
20A - J. M. B. Kellogg
21A - R. Landshoff
22A - C. L. Longmire
23A - J. C. Mark
24A - H. L. Mayer
25A - N. Metropolis
26A - L W. Nordheim
27A - W. E. Ogle
28A - J. Pasta
29A - F. Reines
30A - R. D. Richtmyer
31A - M. Rosenbluth
32A - R. W. Spence
33A - P. R. Stein
34A - E. Teller
35A - J. L. Tuck
36A - S. M. Ulam
37A - J. von Neumann
38A - M. C. Walske
39A - B. E. Watt
40A - J. A. Wheeler
41A - H. F. York
42A - H. F. York
43A - E. J. Zadina
44A - Report Library
45A - Report Library
46A - File
47A - File
48A - File
49A - File
50A - File