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Symbol: TM-37

Group Ref: TMG-M15

This document consists of 4 pages
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January 25, 1952

MINUTES OF THE FIFTEENTH MEETING OF THE THEORETICAL MEGATON GROUP

25 January 1952

1. The fifteenth meeting of the TMG convened at 9:00 AM on Friday, January 25, 1952. Those present were:

- | | |
|-----------------|----------------------|
| A. A. Broyles | J. C. Mark, Chairman |
| F. de Hoffmann | H. L. Mayer |
| J. J. Devaney | H. Metropolis |
| B. E. Freeman | L. W. Nordheim |
| D. K. Froman | L. G. Peck |
| G. M. Grover | J. C. Potts |
| M. G. Holloway | F. Reines |
| F. C. Hoyt | J. R. Reitz |
| R. M. Landshoff | R. D. Richtmyer |
| R. Latter | M. Rosenbluth |
| C. L. Longmire | L. B. Seely |

J. L. Tuck

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
DETERMINATION (CIRCLE NUMBER(S))	1. CLASSIFICATION RETAINED
2. CLASSIFICATION CHANGED TO:	3. CONTAINS NO DOE CLASSIFIED INFO
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NAME: [redacted]	2ND REVIEW DATE: 7/2/97
AUTHORITY: [redacted]	NAME: [redacted]

2. Rand calculations on the behavior of 14 mev neutrons in deuterium were described by R. Latter and F. de Hoffmann.

[A cross section of .1 barn for disintegration of D was included. The complete results are now available here.]

There was insufficient information on the characteristics of this experiment to warrant a judgment of its value.

3. [redacted] Recently completed SEAC runs give the following results:

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WD - Family

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Marshall Rosenbluth presented some of the results of recent examinations of the detailed listings.

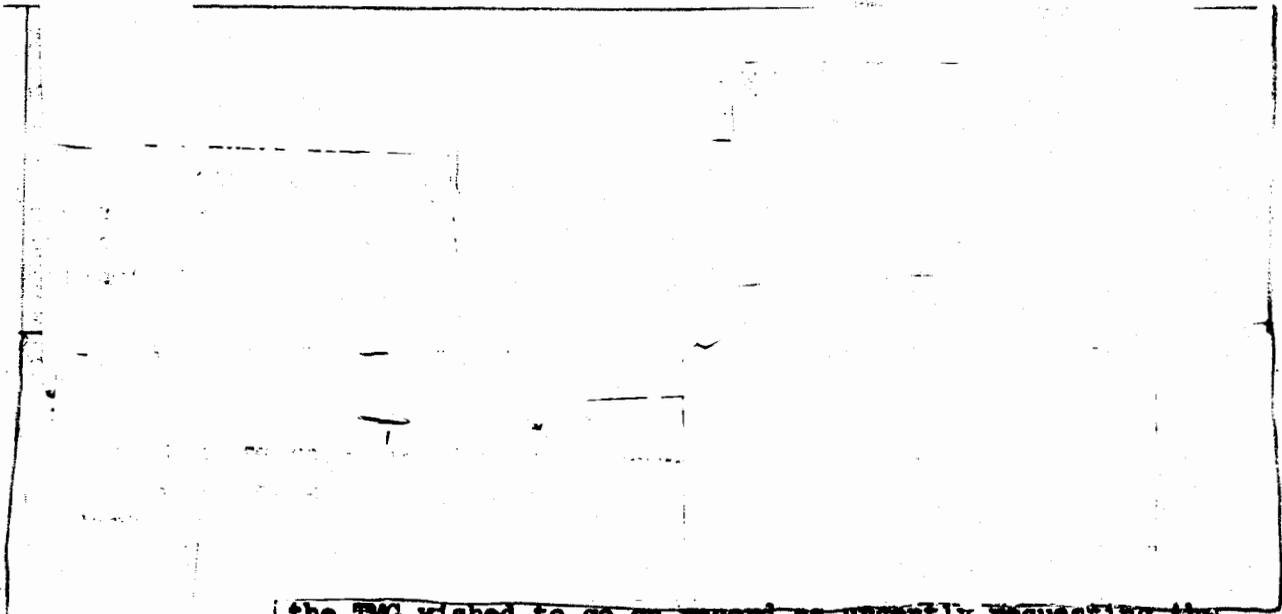
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Calculations by hand or on a CPC will be started on the effects of different pressures over varying times. More complete calculations on the SEAC are planned for the next weeks.

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the TAC wished to go on record as urgently requesting the initiation of an experimental program to determine this cross section by whatever means seem most promising.

F. C. Hoyt
F. C. Hoyt

FCH:rpb

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