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TMG-M21

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VERSION*

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At 3796 5000mm N

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Symbol: TM-46

Group Ref: TMG-M21

This document consists of 9 pages, ¹ ~~9~~ copies.

March 14, 1952

16 pgs.
total

MINUTES OF THE TWENTY-FIRST MEETING OF THE THEORETICAL MEGATON GROUP

12 March 1952

1. The twenty-first meeting of the TMG convened at 9:00 AM on Wednesday, 12 March 1952, in the W-Division Conference Room. Those present were:

G. Bell	C. L. Longmire
H. A. Bethe	J. C. Mark, Chairman
A. A. Broyles	H. L. Mayer
E. D. Cashwell	L. W. Nordheim
F. de Hoffmann	L. G. Peck
J. J. Devaney	J. C. Potts
I. V. Djugashvilli*	O. W. Rechard
B. E. Freeman	F. Reines
D. K. Fronman	J. R. Reitz
R. W. Goranson	M. Rosenbluth
G. M. Grover	P. R. Stein
M. G. Holloway	S. M. Ulam
R. M. Landshoff	R. J. Watts

G. M. Wing

* Proxied by whom?

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW-DATE: 3-4-52	
DETERMINATION [CIRCLE NUMBER(S)]	
(1) CLASSIFICATION RETAINED (2) CLASSIFICATION CHANGED TO:	
NAME: <u>DOE</u>	
2ND REVIEW-DATE: 3-2-52	
3. CONTAINS NO DOE CLASSIFIED INFO	
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5. CLASSIFICATION CANCELLED	
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D OE
b6
b7c

3. The Chairman asked Bethe to outline the work being done which makes the picture as a whole look better than it did a week ago.

D OE
(3)

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The second part of the calculation assumed no flux at points T_3 and T_0 . It was carried out by a method devised by de Hoffmann and Max Goldstein.

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DOK
b(3)

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b(2)



DOE
b(3)

The results are as follows:

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(5)

DD/E
b(3)

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1(3)

In the problem set up by Bethe, Broyles and Freeman, there are three important factors to consider, namely:

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(b)

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TABLE I

Average Mean Free Path, λ , for the Conditions Cited

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5. Opacity Data

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6. Dimensions of Steel Container

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7. The results from the similarity solution of Rosenbluth are presented in the following graphs.

- Fig. 1 -
- Fig. 2 -
- Fig. 3 -
- Fig. 4 -
- Fig. 5 -
- Fig. 6 -

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Fig. 7 - p , v , ρ in $t^{-1/3}$ shock.

The boundary conditions and general expressions for the problem are given in the previous minutes.


R.W. Goranson

R. W. Goranson

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31A - P. R. Stein
32A - E. Teller
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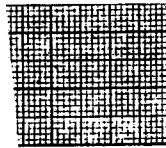
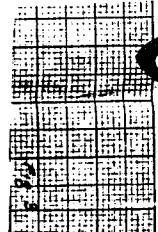
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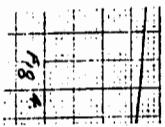
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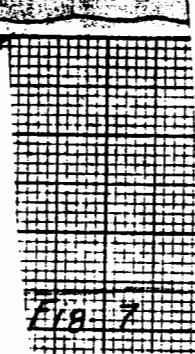
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