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Symbol: TM-32

Group Ref: TMG-M13

This document consists of 7 pages and
6 figures. Not ~~dated~~. Series A. 13 p.

13 pgs.
total

~~10-20-1967~~ 10-20-1967

January 7, 1952

MINUTES OF THE THIRTEENTH MEETING OF THE THEORETICAL MEGATON GROUP

4 January 1952

1. The thirteenth meeting of the TMG convened at 9:00 AM on Friday, January 4, 1952 in the W-Conference Room. Those present were:

N. E. Bradbury
W. Bouricius
C. Curtis
F. de Hoffmann
J. J. Devaney
B. E. Freeman
D. K. Froman
R. B. Gibney
W. B. Goad
R. W. Goranson
G. M. Grover
E. F. Hammel
F. C. Hoyt
M. G. Holloway
R. M. Landshof

C. L. Longmire
J. C. Mark, Chairman
H. L. Mayer
N. Metropolis
L. W. Nordheim
J. C. Potts
F. Reines
J. R. Reitz
R. D. Richtmyer
A. Rosenbluth
M. Rosenbluth
E. Teller
J. Toll
J. L. Tuck
M. C. Walske

J. A. Wheeler

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW	
1ST REVIEW DATE:	'7-31-'27
AUTHORITY:	DOE DOD ADD NAME: <i>John C. Gandy</i>
2ND REVIEW DATE:	'9-12-'97
AUTHORITY:	DOD NAME: <i>D. J. Gandy</i>
DETERMINATION [CIRCLE NUMBER(S)]	
1. CLASSIFICATION RETAINED	
2. CLASSIFICATION CHANGED TO: _____	
3. CONTAINS NO DOE CLASSIFIED INFO	
4. COORDINATE WITH: _____	
5. CLASSIFICATION CANCELLED	
6. CLASSIFIED INFO BRACKETED	
7. OTHER (SPECIFY): _____	

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Any decision made is automatically tentative in the sense that if, in the meantime, it can be shown to be incorrect or require modification a new decision would have to be made and test date postponed.

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was adopted unanimously by the T.M.G.

This proposal

4

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(4.1) Mark summarized the present situation.



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The results of these calculations are shown in Figures 1-5 inclusive.

The results from a series of "Orange Juice" mock-up calculations are summarized in Table I.

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From the above considerations the energy release was found
to have the following dependence

(b) [Redacted]

(c) When these two calculations are combined the resultant
picture is as follows:

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Wall losses took into account, in addition to radiative and hydrodynamic energy losses as in ADWD-3-16, the beneficial effect of the hydrodynamics accompanying the radiation wave. This additional effect was treated in plane geometry by the Riemann solution as in LA-320 by Bethe.

Results for the boundary values above are given in Fig. 6.

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Furthermore, neither smoothness nor uniformity of welding can be guaranteed.

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R. W. Goranson

R. W. Goranson

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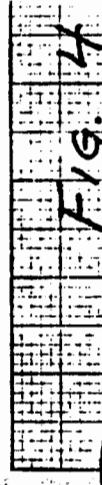
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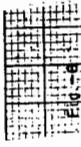
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Fig. 5

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