3.

4.

DOE
b(3)

5. Other Design Details

Holloway proposed two questions of design detail.

DOE
b(3)

DOE b(3)

However, the last figure should be tied down by more study of the effect.

6. Alarm Clock Implosion Calculations

DOE b(3)

The density distribution in this case was obtained from mocking-up SEAC runs.

DOE b(3)

1

[redacted]

DOE
b(3)

7. Wall Thickness

Bethe developed a simple formula for the time t_B it takes the Taylor instability to cause a break in terms of the time t_s it takes a shock to traverse the wall.

[redacted]

DOE
b(3)

8. Experimental Program for Upshot (Nevada Spring '53)

8.1 [redacted]

DOE
b(3)

(a) Radiochemistry. [redacted]

DOE
b(3)

(b) Nuclear emulsion plates as at Greenhouse. [redacted]

DOE
b(3)

(d) GANEX. Ogle pointed ~~out that it involves a~~ large effort and should be undertaken only if the time dependence of the reaction was of great interest.

(e) TENEX. Bethe considered temperature more interesting than time.

DOE
b(3)

There was no specific discussion on these. General points brought up were: It is necessary to keep the total yield of each test below 40 KT. There is a need for radiation flow calculations to decide dimensions.

DOE
b(3)

It was mentioned that there are some worries about a delay in the availability of Li^6 in time for Castle

DOE
b(3)

Rolf Landshoff
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Distribution:

1A - H. H. Barschall
2A - G. Bell
3A - H. A. Bethe
4A - W. Bouricius
5A - N. E. Bradbury
6A - S. W. Burriss
7A - J. Calkin
8A - B. G. Carlson
9A - E. D. Cashwell
10A - F. de Hoffmann
11A - F. Evans
12A - B. E. Freeman
13A - D. K. Froman
14A - R. B. Gibney
15A - A. C. Graves
16A - L. E. Hightower
17A - M. G. Holloway
18A - F. C. Hoyt
19A - E. R. Jette
20A - R. M. Landshoff
21A - C. L. Longmire
22A - J. C. Mark
23A - H. L. Mayer
24A - N. Metropolis
25A - L. W. Nordheim
26A - W. E. Ogle
27A - J. Pasta
28A - F. Reines
29A - J. R. Reitz
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 - E. J. Zadina
43A - Report Library
44A - Report Library
45A - File
46A - File