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SCIENTIFIC LABORATORY

UNIVERSITY OF CALIFORNIA

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THEORETICAL GROUP PROGRAM

--H.A. Bethe, Chairman

THEORETICAL DEVELOPMENTS

1. Efficiency of normal gadget for small and large Δ
Serber, Weisskopf, Feynman, Frankel, Nelson and Olum
2. Effects of radiation
Bethe, Feynman and Konopinski
3. Hydride
Teller, Frankel and Roberg
4. Boron Bubbles
Teller, Bethe, Konopinski and Roberg
5. Critical Mass and Efficiency for various shapes
Serber, Inglis, Nelson and Olum
6. Equation of State
Inglis, Weisskopf and Metropolis
7. Safety, Water boiler and early stages of expansion
Teller, Christy, Inglis and Metropolis
8. Super
Teller and Konopinski
9. Theory of subcritical experiments
Bethe, Christy and Weisskopf
10. Ordnance
Critchfield, Bethe, Nelson and Olum
11. Blast Wave
Critchfield, Bethe and Feynman
12. Integrations
Feynman, Frankel, Nelson and Olum

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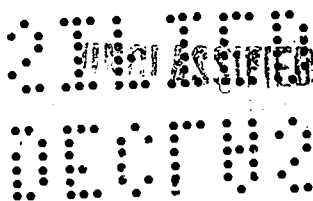
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WD - Principles & Testing



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