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Accession Number : AD0783239

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Title : CHEMP: A Code for Calculation of High-Altitude EMP.

Center) document

<http://dtic.mil/dtic/>

Descriptive Note : Final rept. Mar-Dec 73,

Corporate Author : AIR FORCE WEAPONS LAB KIRTLAND AFB N MEX

Personal Author(s) : Wittwer,Leon A. ; Canavan,Gregory H. ; Brau,James E.

Report Date : JUL 1974

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Abstract : CHEMP is a code originally designed to examine the effects of self-consistency on high-altitude fields by using a particle pushing model for the current calculation and the high-frequency approximation for calculating the fields. CHEMP has been extended to study the effects of nonforward Compton scattering, varying gamma energies, and elastic nuclear scattering. (Author)

Descriptors : *Electromagnetic pulses, *Nuclear explosions, Compton scattering, Gamma ray scattering, Elastic scattering, Numerical analysis, Computer programming

Subject Categories : COMPUTER PROGRAMMING AND SOFTWARE

NUCLEAR WEAPONS

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