

Accession Number : AD0783239



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

Descriptive Note : Final rept. Mar-Dec 73,

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Report Date : JUL 1974

Pagination or Media Count : 24

Abstract : CHEMA 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. CHEMA 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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