

14 MeV Neutrons: Physics And Applications [Digital] By Vladivoj Valkovic

By Vladivoj Valkovic

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Kerma Factor of Carbon for 14.1-MeV Neutrons P. M. DELUCA, JR.,* *Department of Medical Physics, University of Wisconsin, Madison, Wisconsin 53706

RBE of 14 MeV neutrons in barley LEA CERCEK, M. EBERT, PAMELA FROST and D. GREENE Paterson Laboratories and Physics Department, Christie Hospital and Holt

Calculated neutron and gamma-ray energy spectra from 14-MeV neutrons streaming through an iron duct: Comparison with experiment: Atomic and Molecular Physics:

14 MeV Neutrons Physics and Applications. av Vladivoj Valkovic (inbunden, 2015) Bloggar; Tipsa en v n; L nka till sidan; (14 MeV) neutrons,

International Conference on the Physics of Reactors Nuclear Power: Measurements of 14.1 MeV Neutron Reflection and Transmission for Carbon, Polyethylene,

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14 MeV neutrons by the $3\text{H}(d, n)^4\text{He}$ reaction. A LEPP-M)t, KI, J. KANTELE, Dept. Physics, Univ. Jyv~iskyl~i, Res. Rept. No. 3, 1970. 5. At

Citations to the article The attenuation of 14 MeV neutrons in steel and D K Bewley Physics in Medicine and Biology 1984 29 341 IOPscience

14 MeV cross sections for the reactions ^{107}Ag Journal of Physics G: Nuclear Physics Volume 14 The $^{181}\text{Ta}(n,2n)^{180\text{m}}\text{Ta}$ cross section for 14.68 MeV neutrons

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Under the Standard Model of particle physics, power reactors useful for transmutation of transuranic waste. 14.1 MeV neutrons can also produce neutrons by

Neutron Physics Laboratory. Studsvik, Nykoping. The angular distributions of 13.7 and 14.0 MeV neutrons inelastically scattered on $^{206,207}\text{Tl}$,

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14 MeV neutrons, or fusion neutrons, have more energy than other neutrons (10 times more than fission neutrons) and, as such, offer unique advantages in various

scatter 14-MeV neutron time-of-flight spectrometer for fusion applications . imposed on these correlations that match the physics of the situation.

Neutrons with the initial energy of 14 MeV produced by the neutron generator of the Department of Reactor Physics, Chalmers University of Technology, G teborg

tracks are due to similar to 14 MeV neutrons, Theoretical interpretation of anomalous tritium and neutron productions Applied Physics

1 School of Physics and State Key Laboratory of Nuclear Physics and Technology, by 1 14 MeV neutrons are simulated with Geant4 and the cross sections are calculated.

SAO/NASA ADS Physics Abstract Abstract The differential cross sections for elastic scattering of 14 MeV neutrons from nitrogen and oxygen have been measured

(PUNITA), incorporates a pulsed 14 MeV (D T) neutron generator and a large graphite mantle surrounding the sample American Association of Physics Teachers;

^{235}U , Pb, Nb, Ni, Al, AND C IRRADIATED BY 14-MeV NEUTRONS. Reactions, 190 = A = 219--Nuclear Reactions & Scattering--Neutrons; N68654 --Physics

Title. Production of a pulseable fission-like neutron flux using a monoenergetic 14 MeV neutron generator and a depleted uranium reflector