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32 MEDICAL APPLICATIONS OF NUCLEAR PHYSICS 32.7. Nuclear Weapons Introduction To Applications Of Nuclear Physics Applications Of Nuclear Physics Have Become An Integral Part Of Modern Life. From The Bone Scan That Detects A Cancer To The Radioiodine Treatment That Cures Another, Nuclear Radi 10th, 2024 1.3. Basic Principles Of Nuclear Physics Basic Principles Of Nuclear Physics Nucleus Consists Of: Z Protons With  $E^+$  Charge N Neutrons With No Charge. A Mass Number  $A = Z + N$  Protons & Neutrons Are Bound By Strong Force: R 10-13 m. Nomenclature And Common Units Power Prefix Abbrev. 10-15 Femto F 10-12 Pico P 10-9 Nano N 10-6 Micro M 10-3 Milli m 10-2 Centi C 10-1 Deci D 103 Kilo K 4th, 2024 Atomic And Nuclear Physics Laboratory (Ph I) (Physics 4780 Aug 23, 2010 · Experiments Addressing Such Topics As: Nuclear Decay Spectroscopy, Atomic Physics Such As The Zeeman Effect, Raman Scattering, And Atomic Emission Spectroscopy ((y Hydrog 4th, 2024.

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