

Encyclopedia Of Applied Nuclear Physics

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Encyclopedia of nuclear physics and its applications ...

nuclear physics Branch of physics concerned with the structure and properties of the atomic nucleus. The principal means of investigating the nucleus is the scattering experiment, carried out in particle accelerators , in which a nucleus is bombarded with a beam of high-energy elementary particles , and the resultant particles analyzed.

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geophysics, study of the structure, composition, and dynamic changes of the earth [1], its atmosphere [2], hydrosphere and magnetosphere, based on the principles of physics [3]. The term was probably first used in Germany, where it appeared in scientific writings of the mid-19th cent.

Encyclopedia Of Applied Nuclear Physics

The Encyclopedia of Nuclear Physics and its Applications intends to fill the need for a coherent overview of fundamental and applied nuclear science, in the form of topical monographic review articles useful to students, research groups and lecturers, but also accessible to a wider, scientifically interested readership. Next to articles on fundamental physics, contributions on interdisciplinary science are included, covering the fields of astrophysics, material analysis and nuclear medicine.

Fallout | nuclear physics - Encyclopedia Britannica

12. Nuclear Astrophysics 13. Relativistic Nucleus-Nucleus Collisions PART B: Applied Nuclear Physics 14. Neutron Stars 15. Supernovae and their Nucleosynthesis 16. Accelerator Mass Spectrometry and its Applications 17. Nuclear Medicine 18. Cancer Therapy with Ion Beams PART C: Nuclear Power 19. The Physics of Nuclear Power from Fission and Fusion 20.

Applied Nuclear Physics | Nuclear Science and Engineering ...

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