80+YEARS OF SCIENCE AND ENGINEERING

DISCOVERIES

The history of discovery by Los Alamos scientists and engineers began with Project Y of the Manhattan Project in 1943 and continues to the present day. The Laboratory's ability to deliver on its several missions is made possible by excellence across the breadth of science and engineering. In pursuit of that excellence, the Laboratory delivers discoveries that change our understanding of the universe and underlie our ability to contribute to the nation and the world.

For more, visit: https://m.lanl.gov/discoveries

Technical content by the Fellows of Los Alamos National Laboratory

LA-VR-25-22170

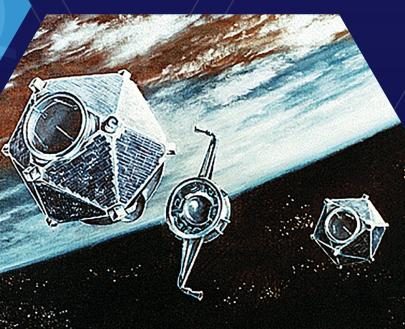


CN measurement at LANSCE determin the neutron lifetime with unprecedented accuracy.

electron, muon, tau, and

Nuclear and Particle Futures

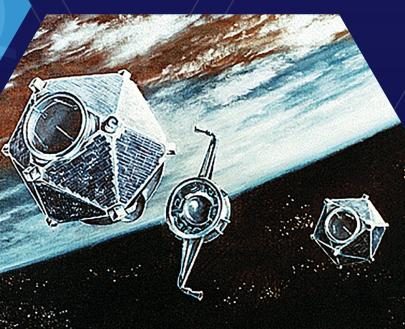
Nuclear Applications



Cosmic Explosions

rsts—began at Los Alamos. The Laboratory has led the way in modeling the cosmic

Biomedical Isotopes



our quantum world, opening the door to quantum applications for computing and security

Science of

Signatures

Space Science

the magnetosphere, solar wind,

edge of the solar system.

The Planets

planetary environs, and the

Fuel Cells

eeds began at Los Alamos. We advanced

Complex

Natural and

Engineered

Systems

The Genome

Our pioneering genome libraries led to

the Human Genome Project and more.

Materials for

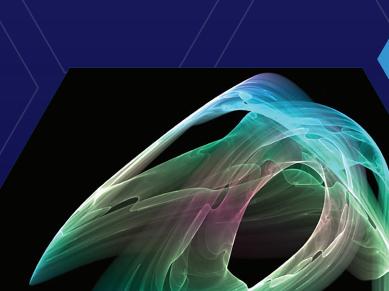
the Future

Information

Science and

Quantum Materials

to future quantum hardware.



Technology

Nonlinear Dynamics

and by Feigenbaum.

On-line Archives

today's AI/ML breakthroughs.

Earth Systems

os Alamos flew neutron sensors for nuclear

The Subsurface

environmental mitigation,













