



Argonne accelerates science and technology as one of DOE's 17 national laboratories



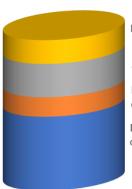




Argonne by the numbers

\$1.15 BILLION FY22 BUDGET

Breakdown of total \$1150 M budget from all sponsors



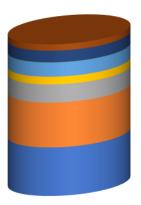
Non-DOE sponsors, \$176

DOE applied science & technology, \$247

DOE Office of Science, capital, \$144

DOE Office of Science, operating, \$548

Breakdown of \$548 M operating budget from Office of Science



Other, \$23 Bio & environment, \$42 Physics, \$51 Chemistry, \$28 Materials science, \$66

APS & CNM operations, \$162

Computing, \$176

PEOPLE

>3,500 Employees

>300 Post-doc appointees

~6,000 Users of 6 research facilities

3 Nobel Laureates in physics



1938 Enrico Fermi



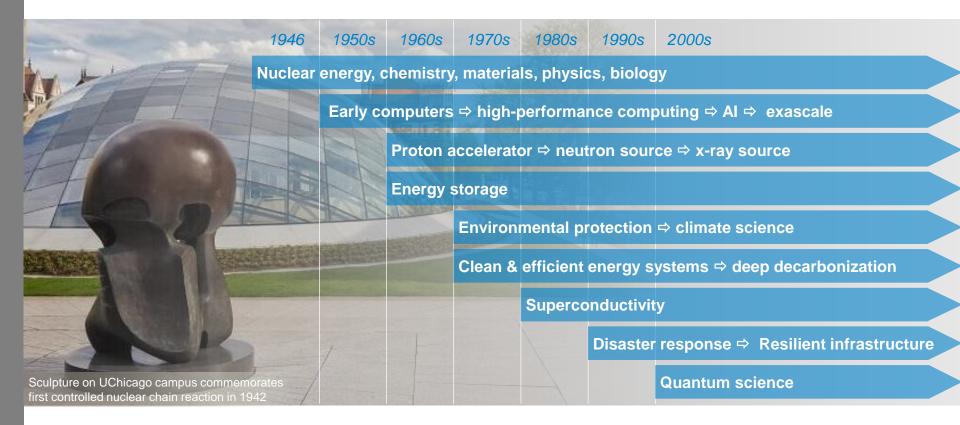
1963 Maria Goeppert Mayer



2003 Alexei Abrikosov



Argonne has evolved to meet changing needs







The Laboratory's signature contributions today



Scientific discoveries

Solving the deepest mysteries in physical, environmental, and biological science

Energy and climate solutions

Building on our discoveries to benefit the Midwest, the nation, and the world

Cutting-edge research facilities

Providing powerful tools for experimentation and computation

Global security advances

Protecting against diverse threats to health, supply chains, and infrastructure

Developing leaders and the STEM workforce







User facilities support researchers from near and far

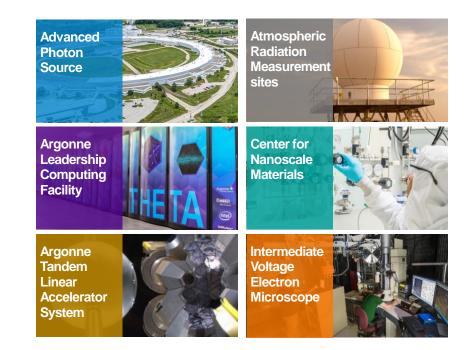
RECENT USER DEMOGRAPHICS

89% from 50 states, Puerto Rico, and D.C. 11% from 39 other countries

MAJOR UPGRADES UNDERWAY

APS: Dark period starts April 2023 to install a new accelerator system that will increase x-ray brightness 500 times, with first light a year later

ALCF: Early science in April 2023 for the Aurora exascale computer, in production by mid-2024





Broad impact from discovery to deployment



Advanced energy technologies

- Applied materials
- Energy systems
- Infrastructure analysis
- Transportation and power systems



Computing, environmental and life sciences

- Biological and environmental science
- Computational science
- Data science and learning
- Mathematics and computer science



Nuclear technologies and national security

- Chemical and fuel cycle technologies
- Decision and infrastructure sciences
- Nuclear science and engineering
- Strategic security sciences



Photon sciences

L. CHAPON

- Accelerator systems
- X-ray science



Physical sciences and engineering

- Chemical sciences and engineering
- Materials science
- Nanoscience and technology
- Nuclear and particle physics



M. CLIFFORD

Science and technology partnerships and outreach

- Academic and industrial partnerships
- Community STEM engagement
- Entrepreneurship programs
- Technology commercialization







Our strategic initiatives will drive discovery and innovation



CONTINUING

Hard x-ray sciences

Al for science **Autonomous** discovery

Climate action

Quantum information science

Radioisotope discovery

NEW

Clean energy and sustainability **Detection and** imaging of signatures

Microelectronics (emerging)

