Participating Site Inspection Tours



Cooling and Heating Asset Management Program

| 7:30 a.m. | Arrival and Badging | LLNL Westgate Badge Office |
|------------|--|--|
| 8:30 a.m. | Welcome & Overview of LLNL | Carol Meyers, Ph.D. Associate Program Director, Nuclear Weapons Evaluation & Planning, Weapons Infrastructure, WCI, LLNL |
| 9:00 a.m. | Overview of CHAMP Pre-Bid Site Visits | Barb Quivey Deputy Program Director, Facilities & Infrastructure, Office of Laboratory Infrastructure, LLNL, and Program Manager, Cooling and Heating Asset Management Program, LLNL |
| 9:15 a.m. | CHAMP Program Overview | Barb Quivey Deputy Program Director, Facilities & Infrastructure, Office of Laboratory Infrastructure, LLNL, and Program Manager, Cooling and Heating Asset Management Program, LLNL |
| 9:45 a.m. | Contract Overview | Tracey Lewis Division Manager, Supply Chain Management, LLNL |
| | | Roosevelt Pascal Contract Analyst, Supply Chain Management, LLNL |
| 10:15 a.m. | B170 CHAMP Project Overview Bldg. 170 Rm. 1091 | Tom Deighton Project Manager, LLNL |
| 10:30 a.m. | Q&A | All Participants |
| 11:00 a.m. | LLNL Project Inspection | All Participants |
| 12:00 p.m. | Lunch Break | |







Lawrence Livermore National Laboratory

Laboratory Overview

Carol Meyers

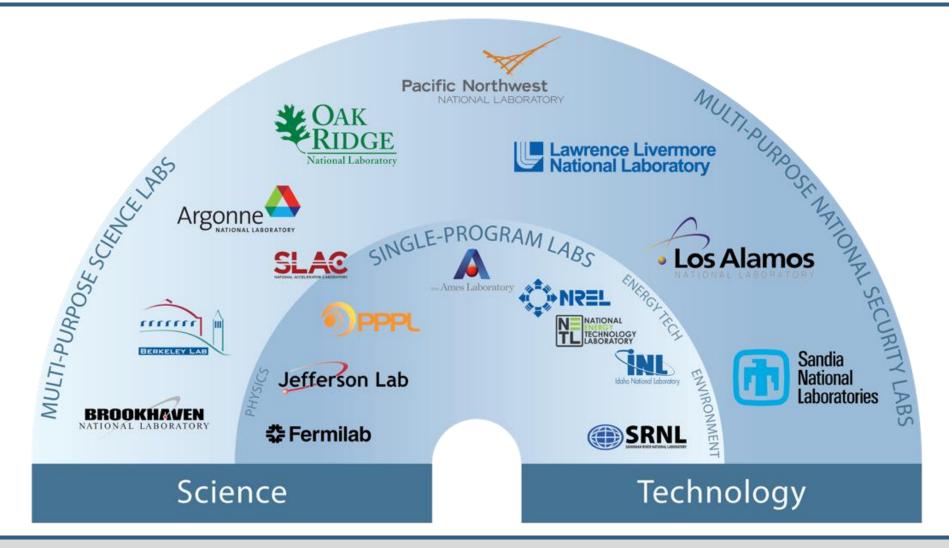
Associate Program Director for Nuclear Weapons Enterprise Evaluation and Planning Weapons Infrastructure Program, Lawrence Livermore National Laboratory

October 2022





LLNL is one of 17 Department of Energy national laboratories







LLNL is part of the National Nuclear Security Administration nuclear weapons complex

DOE National Laboratories / Nevada Site

Production Complex









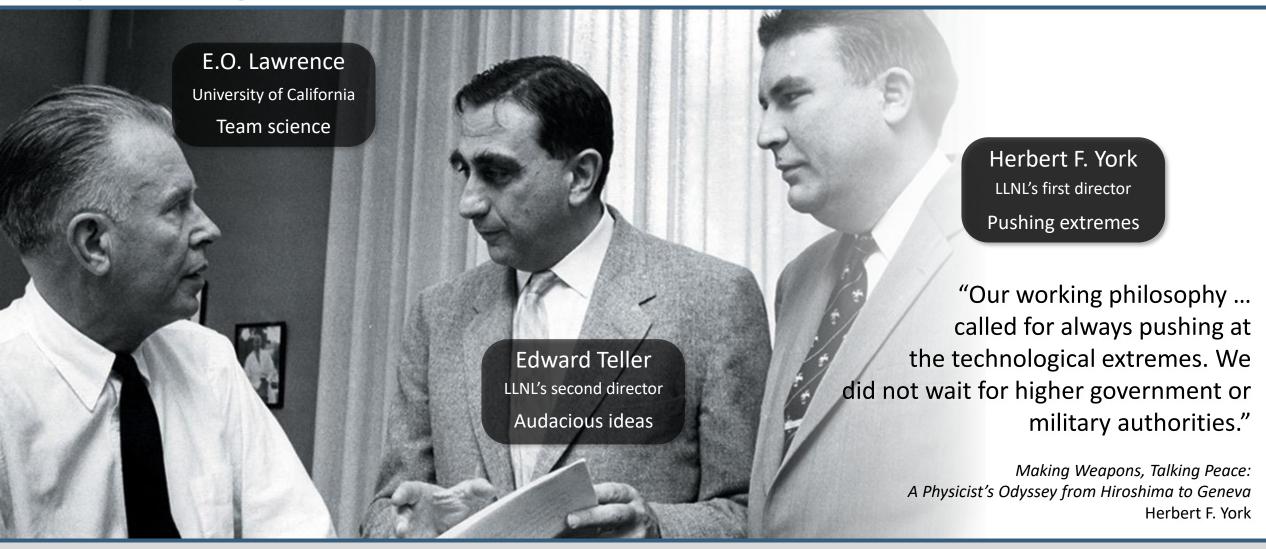








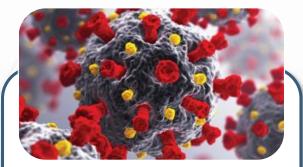
Our heritage: team science, audacious ideas, and pushing the extremes



Our Mission: to strengthen national security through world-class science, technology, and engineering



Nuclear Deterrence



Threat Preparedness and Response



Climate and Energy Resilience



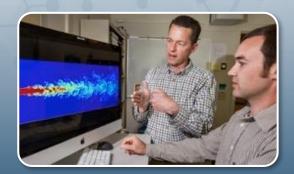
Integrated Deterrence and Competition



Science



Engineering



Computing

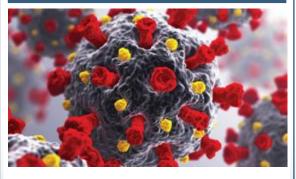
Our mission: to strengthen national security through world-class science, technology, and engineering

Nuclear Deterrence



- Annual Assessment
- Stockpile modernization
- Advanced science and technologies
- NNSA enterprise agility and resilience

Threat Preparedness and Response



- Pandemic response tools / biosecurity
- Nuclear counter proliferation and counterterrorism
- Forensic science
- All-source intelligence

Climate and Energy Resilience



- High-fidelity climate impact assessments
- Reliable, secure, low-carbon energy
- Infrastructure sustainability
- Advanced materials and manufacturing

Integrated Deterrence and Competition

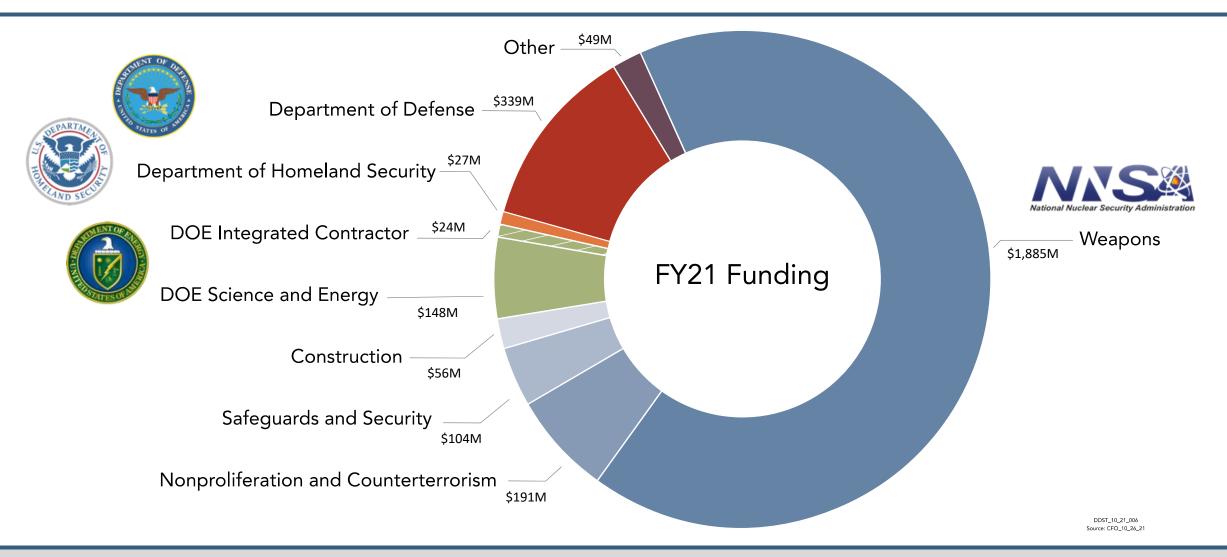


- Emerging technologies R&D and assessments
- Strategic defense and conventional strike
- Space / cyber security
- Cognitive simulation / artificial intelligence



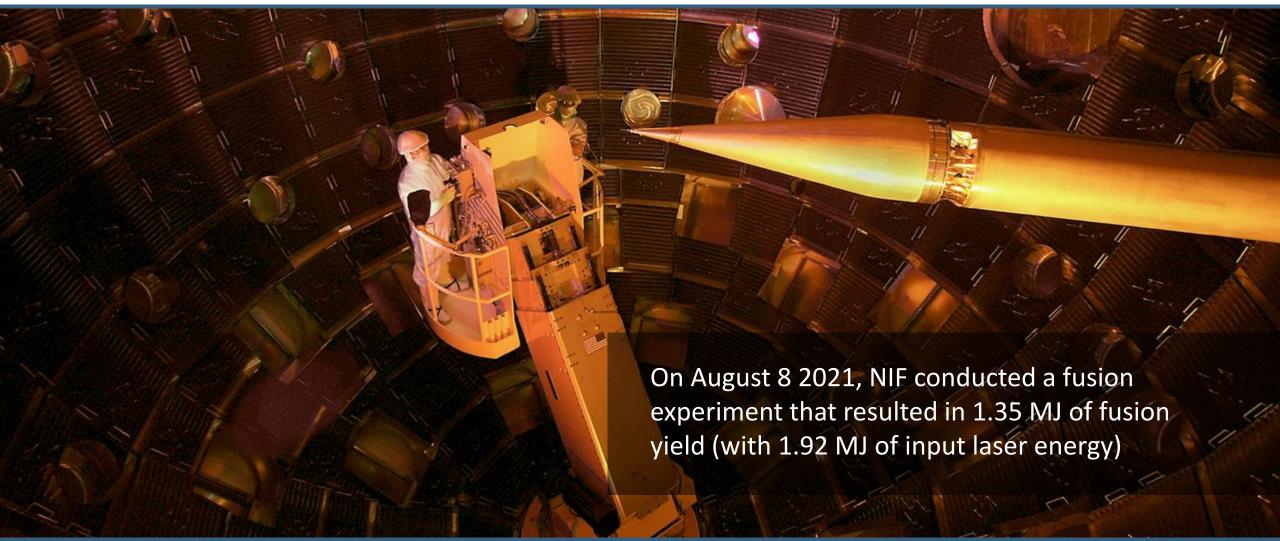


LLNL's ~\$2.8B budget reflects our national security focus

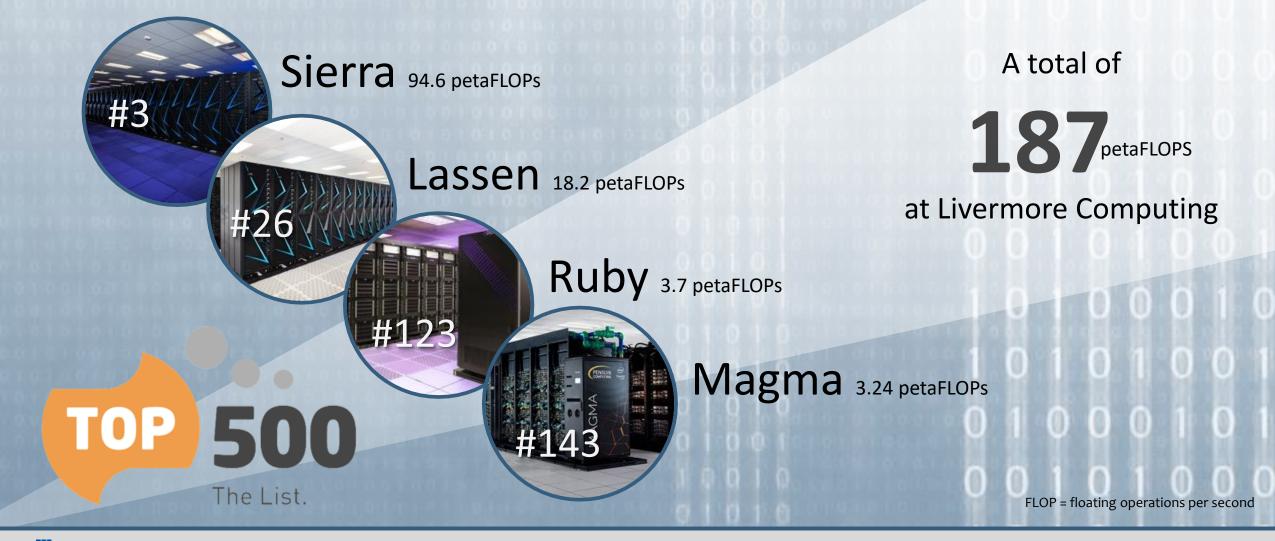




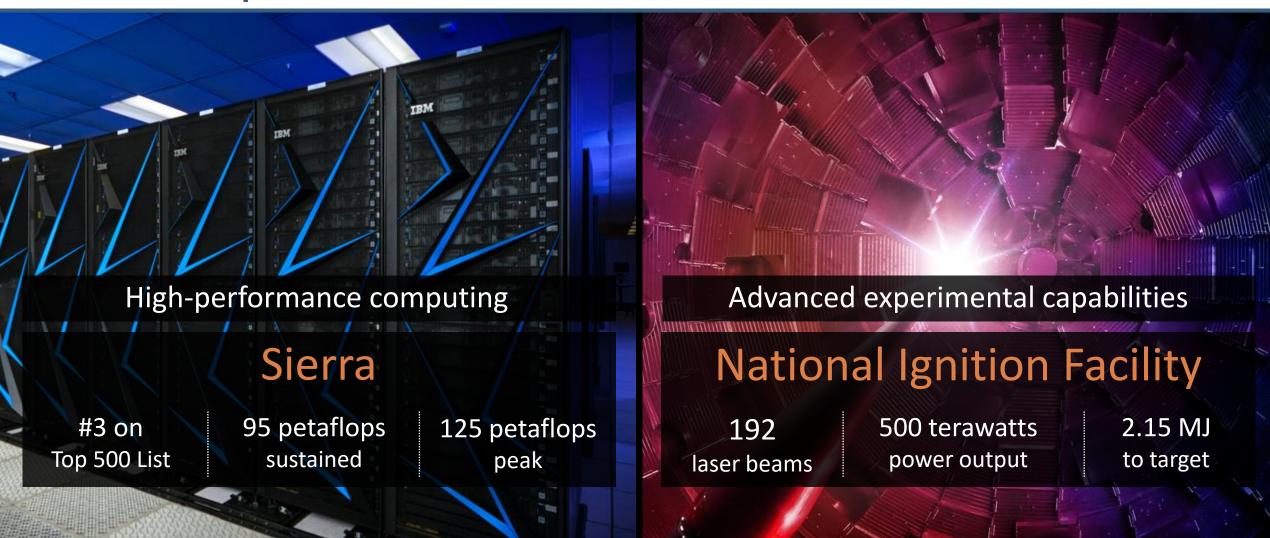
The National Ignition Facility (NIF) is the largest and most energetic laser facility ever built



LLNL is home to four of the world's most powerful supercomputers



Our approach is rooted in challenging predictions with experiments

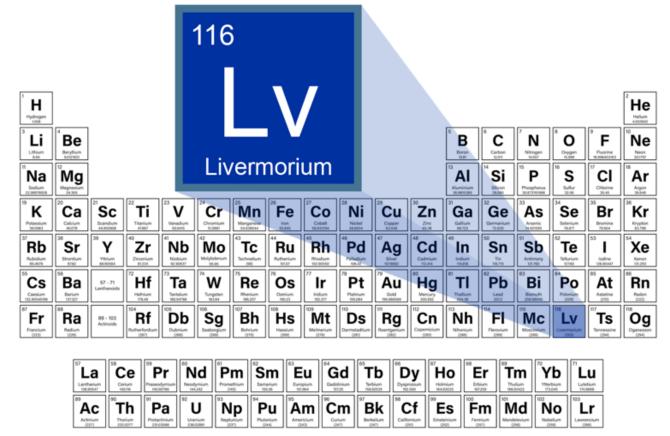


Frontier research and collaboration underlies our ability to deliver cutting-edge solutions









The Dubna-LLNL collaboration has discovered 6 new elements since 1989





FXR/CFF Risk Reduction Project

LLNL-PRES-841292

High Explosives Applications Facility (HEAF)
Deferred Maintenance and Sustainment



The Laboratory provides critical reachback capabilities to the nation and beyond



LLNL technologies: a multi-billion-dollar impact on the economy

Ove \$ 1 B worth of products based on LLNL technology were sold in the past 5 years









Licensing and royalty income topped \$4.6M in 2020

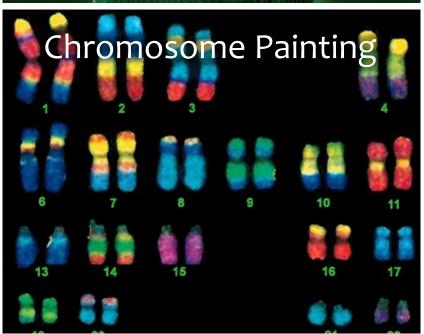


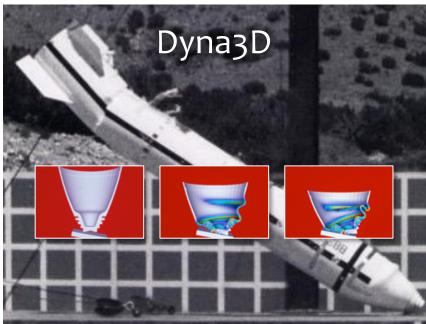




















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