

Lab Agenda Roadmap

2023 Update

The Laboratory Agenda provides a structured framework that identifies the strategic objectives, critical outcomes, near-term R&D, and production and mission-support activities needed to accomplish our mission.



Simultaneous Excellence

- Nuclear Security
- Mission-Focused Science, Technology, and Engineering
- Mission Operations
- Community Relations

Strategic Objectives

Nuclear Deterrent

Lead the nation in evaluating, developing, and ensuring effectiveness of our nuclear deterrent, including the design, production, and certification of current and future nuclear weapons.

Threat Reduction

Anticipate persistent and emerging threats to global security; develop and deploy revolutionary tools to detect, deter, and respond proactively.

Technical Leadership

Deliver scientific discoveries and technical breakthroughs to advance relevant research frontiers and anticipate emerging national security risks.

Trustworthy Operations

Consistently demonstrate and be recognized by diverse stakeholders for trusted and trustworthy operations.

Deliverables

	WCCR operational							
	CD-1, LAMP							
	CD-2,3 LAP4 30R							
	Achieve first pit production unit						Low-level waste disposal facilities in service	
	1st experiment Pu at pRad						ECSE accelerator project complete	
	Deliver a technically mature & manufacturable initiation system (2023-2024)						Next generation HPC facility and infrastructure to meet ASC ATS-7 deployment timeframes	
	Demonstrate the capabilities of the Lab's next-generation code project on El Capitan						Alternate materials level 1 milestone	Scorpius experiments to support stewardship
	Start delivery of two USNDS GBD-IIIF payloads per year						CD-2,3, LAMP	Pajarito corridor infrastructure investments complete
	Reach NASA/RPS milestone of 10-15 fueled clad sources per year						CD-4, TLW	CD-4, LAMP
			Advanced understanding of primaries/aging level 1 milestone					CD-4, EPCU
			CD-4, TLW by the end of FY26					

2023 2024 2025 2026 2027 2028 2030 →

Culture Enhancement | Force for Good | Operational Capacity

Mission

To solve national security challenges through simultaneous excellence.

Vision

To be trusted by our nation, emulated by our peers, and respected by the world.

Culture

How we do our work is as important as what we do.

Our Values

Service

Serving our nation, our partners, our community, and each other.

Integrity

Demonstrating honesty, ethical conduct, accountable stewardship, and individual responsibility.

Teamwork

Achieving our best by respecting diverse opinions and backgrounds, exploring alternatives, and collaborating with colleagues and partners.

Excellence

Ensuring safe and secure mission delivery in nuclear security; science, technology, and engineering; operations; and community relations.