



Science Campaign Proposed Vision & Mission



▪ Vision

- Eliminate any technical motivation for a future US nuclear test
- Perform outstanding science focused on the nuclear stockpile mission
 - Understand the stockpile sufficiently to respond to SFIs, certify changes, replacements, address material processing and aging
 - Enable assessment and certification of stockpile life-extension options
 - Enable accurate and timely response to national security questions

▪ Mission

- Develop experimental capabilities and data needed to:
 - Replace empiricism in legacy codes with “predictive capability”
 - Understand options and certification challenges for future stockpile actions
- Support the pipeline of future stockpile stewards



Science Campaign Strategic Priorities



- **Perform Gemini Confirmatory and subcritical experiments safely and according to schedule**
- **Achieve a meaningful level-1 boost milestone that supports DSW activities**
- **Launch and implement Dynamic Compression Sector**
- **Develop HED capabilities on ICF facilities and execute groundbreaking stewardship experiments**
- **Make progress on FNW capabilities that receive recognition by the IC, build on a successful JASON study, and structure a program plan for FY 2014**
- **Manage successful Academic Alliance solicitations and partnerships to optimize benefits to the Science Campaign**

Other Strategies

- ✓ **With DSW programs, plan a list of options for the W78/88**
- ✓ **Collaborate with DSW programs to meet near-term stockpile stewardship deliverables**
- ✓ **Define and quantify a predictive capability metric that can be used to communicate progress and goals to stakeholders**
- ✓ **Understand the future needs for experimental facilities and the roadmap to justifying mission need**

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