Hydrodynamic experiment provides key data for Stockpile Stewardship

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Los Alamos hydrodynamic experiment provides key data for Stockpile Stewardship

In August at the Nevada National Security Site, Los Alamos researchers successfully completed Leda, an integrated experiment that provided important surrogate hydrodynamic materials data in support of the Laboratory's stewardship of the U.S. nuclear deterrent.

Hydrodynamic experiments use non-nuclear materials that can mimic the properties of nuclear materials, providing insight into weapons performance in the absence of full-scale underground nuclear testing.

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Los Alamos Conducts Hydrodynamic Experiment in Nevada

Such hydrodynamic and sub-critical experiments are among the most useful multi-disciplinary technical activities that exercise the Laboratory's manufacturing capabilities, test scientific judgment, and enhance the competency of the Nevada workforce in areas of formality of underground and nuclear operations.

Leda was an essential component in the National Nuclear Security Administration's Science Campaigns and Plutonium Sustainment Programs to support the technical basis for confidence in the nation's nuclear deterrent, and to support future stockpile stewardship.

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