



College of Science

University of Nevada, Reno

Department of Physics

Nevada Terawatt Facility

**APPLICATION FOR THE MAY - AUGUST 08  
EXPERIMENTAL CAMPAIGN  
AT THE NEVADA TERA WATT FACILITY USING  
EITHER THE “ZEBRA” OR “LEOPARD”  
EQUIPMENT**

**MAY 5, 2008 – AUG 29, 2008**

**(REQUESTS DUE AT NTF BY  
FEBRUARY 19, 2008)**

# **Nevada Terawatt Facility**

Application for Experimental Time on the Zebra / Leopard Equipment  
May 5, 2008 – August 29, 2008

Title:

Date:

Lead Scientist:

Student Participation:

Contact Information (Phone # & e-mail):

Collaborating Scientists and Affiliations:

Requested number of Zebra / Leopard shots:

Requested number of days to complete experiment:

Scientific Theme:

Dates not available:

Requested Core Diagnostics:

## Guidelines

- 1) See [http://www.ntf.unr.edu/core\\_diags.php](http://www.ntf.unr.edu/core_diags.php) for a list of available Core Diagnostics.
- 2) Indicate Zebra / Leopard operating parameters, and port requirements anticipated for diagnostic instruments.
  - a) Load measurements (standard or custom)
  - b) Pulse duration – Long or Short
  - c) Chamber Requirements – (ports, location of diagnostics equipment)
  - d) Screen Box requirements
- 3) Describe any special needs that are relevant, such as equipment, cables, fast or slow triggers signals, tools.
- 4) A clear statement of scientific importance; why are NTF facilities needed and if so what characteristics are most important. Include scientific deliverables, and a clear path for achieving these deliverables (including both experimental and theoretical components, graduate student participation, collaborations with other institutions such as national laboratories or universities, and a statement of participant's responsibilities). Provide a description of prior work including publications.
- 5) Mechanical drawing: Electronic or manual drawings are acceptable. The design should be as complete as possible. Technical team members will work with the experimenter(s) to assure compatibility with zebra and the goals of the experiment.
- 6) Vacuum test certification: All instruments intended for attachment to the Zebra load chamber must be certified in advance for vacuum integrity. Technical staff members will work with the experimenter(s) to assure compatibility.
- 7) Previous users: Short paragraph explaining results and outcome.

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## Abstract

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## **Anticipated Outcomes**

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## Proposal

# Equipment, Materials & Engineering Needs

<b>Engineering Requirements</b>
(Mechanical drawing, Vacuum test certification)
1)
2)
3)
<b>Materials</b>
(Disclosure all materials comprising loads and diagnostics instruments. Experiments that require the use of certain hazardous materials will be sampled and/or monitored so that non-exposure documentation can be complied).
1)
2)
3)
<b>Equipment</b>
1)
2)
3)

