



Research Proposal for the use of Neutron Science Facilities (LC)

Proposal Number:
Date Received:

Fast Access Proprietary

Title:			
Continuation of Proposal #:			
Ph.D Thesis for:			
Topical Area:			
Flight Path/Instrument:			
Estimated Total Beam Time (days):			
Principal Investigator:			
Institution:			
Citizenship:			
Phone:			
Email:			
Local Contact:			
Co-Proposer	Institution	Citizenship	Email Address
Research Area			Funding Agency
<input type="checkbox"/> Biological and Life Sciences <input type="checkbox"/> Chemistry <input type="checkbox"/> Earth Sciences <input type="checkbox"/> Engineering <input type="checkbox"/> Environmental Sciences <input type="checkbox"/> Instrument Development and Technique <input type="checkbox"/> Materials Science (including Materials Physics) <input type="checkbox"/> National Security <input type="checkbox"/> Nuclear Physics <input type="checkbox"/> Soft Matter <input type="checkbox"/> Other:			<input type="checkbox"/> DOE/NA-10 (DSW) <input type="checkbox"/> DOE/NA-10 (Science Campaigns) <input type="checkbox"/> DOE/NA-20 (Non-Proliferation) <input type="checkbox"/> DOE/Nuclear Energy <input type="checkbox"/> DOE/Office of Science <input type="checkbox"/> DOE/Other <input type="checkbox"/> Industry <input type="checkbox"/> LDRD <input type="checkbox"/> University (non-SSAA) <input type="checkbox"/> University (SSAA) <input type="checkbox"/> Other:

Publications

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Brief Description

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Lujan Proposal Information

Instrument Support Requirements

Additional Information

Resources/Safety		
Sample Materials		
Sample Description/Chemical Name (ex: iron oxide)		
Mass (grams) OR Volume (cm ³)		
Chemical Composition of Sample (ex: Fe203) (ex: Fe203)		
Number of Samples with this Chemical Composition and this Mass or Volume		
Are sample containers required?	Yes	No
Physical State		
Sample Disposition		
Hazardous?	Yes	No
Radioactive?	Yes	No
Sample Environment and Other Requirements (Name and describe temperature, pressure, other specs):		
User Supplied Equipment		
None	Other:	
Please Specify. Include electrical equipment with voltages > 50 V.		
Sample Preparation	Yes (Specify below)	No
Are there hazards associated with the sample preparation/synthesis?	Yes	No
Laboratories		
Description, Chemical Name, Quantity, Chemicals and Quantity requested from Lujan Center		
Facility Requirements or Modifications		
<input type="checkbox"/> Standard Configuration <input type="checkbox"/> Special Configuration (select all systems below that require non-standard configuration)		
air	cooling	user provided sample can
alarms	electrical	vacuum
beam lines	interlocks	other:
collimation	shielding	
control	shutters	

Hazard Concerns

- | | |
|--|---|
| <input type="checkbox"/> None | <input type="checkbox"/> Hydrogen/deuterium/other flammable gases |
| <input type="checkbox"/> Biological hazards | <input type="checkbox"/> Lasers (>5 mw) |
| <input type="checkbox"/> Chemical hazards | <input type="checkbox"/> Low temperatures or cryogenics |
| <input type="checkbox"/> Compressed gases/high pressure (> 15 psi) | <input type="checkbox"/> Radio frequency/microwave fields |
| <input type="checkbox"/> Energized electrical equipment (exposed conductors) | <input type="checkbox"/> Radioactive material or sources |
| <input type="checkbox"/> Explosives | <input type="checkbox"/> Toxic gases |
| <input type="checkbox"/> High magnetic fields | <input type="checkbox"/> Unbound engineered nanoparticles |
| <input type="checkbox"/> High temperatures | <input type="checkbox"/> Vacuum or pressure vessels |
| <input type="checkbox"/> Hydraulic systems | <input type="checkbox"/> Waste (biological, chemical, radioactive, other) |
| | <input type="checkbox"/> Other |

Please provide details for all checked items

Waste Generation

- None or not sure
- Radioactive Waste
- Hazardous (chemical or other) Waste
- Mixed (hazardous + radioactive) Waste
- Nanoparticle

Storage and disposal path. For each generated waste please provide name of chemical, physical state, and quantity (ml, mg) of waste generated: Example: acetone 10 ml liquid

Special Procedures

- None - standard facility and flight path procedures only
- Not sure
- Special

Provide Details for Special Procedures:

Anticipated Personnel Dose Evaluations

- Don't know
- Less than 50 mrem
- Greater than 50 mrem

Please describe basis for dose estimate: