



Login

M E N U:

- Proposals
- Main
- Create(PAC 43)

PAC 43 - Edit Measurements of the Quasi-Elastic and Elastic Deuteron Tensor Asymmetries

Editing Proposal

Note: This page is for editing Proposal - Measurements of the Quasi-Elastic and Elastic Deuteron Tensor Asymmetries

The deadline to complete this proposal is: 05/18/2015 08:00 AM

If you need to create a new proposal [click here](#)

[Collapse All](#)

Proposal Cover Sheet(PAC 43)

c Information

Title *

Measurements of the Quasi-Elast

Days Requested for Approval

44.3

Experiment hall *

A ☐ B ☐ C ☒ D ☐

Proposal Physics Goals:

Indicate any Experiments that have physics goals similar to those in your proposal.

Approved Conditionally approved, and/or Deferred Experiment(s) or proposals.

Collaboration-Approved Proposals:

If you will be running in parallel with an approved experiment, please indicate the experiment number

Experimental Parameters

List Beam Energies and Beam Days: (e.g. 30 Days at 11 GeV, 20 Days at 8 GeV)

32.6 Days at 8.8 GeV
10.4 Days at 6.6 GeV
1.3 Day at 2.2 GeV

List Range of Beam Currents: (e.g. 10-60 mA)

80 nA
SHMS, HMS, DNP Target

Indicate Major Apparatus: (e.g. CLAS12 & RICH, GLUEX, SHMS, HMS, SBS, SOLID)

tact Us

Spokespersons

Add Spokeperson

Spokeperson

Douglas Higinbotham

Remove

Spokeperson

Dustin Keller

Remove

Spokeperson

Donal Day

Remove

Spokeperson

Patricia Solvignon

Remove

Spokeperson

Karl Slifer

Remove

Spokeperson

Elena Long

Remove

Name *

Elena Long

Institution

University of New Hampshire

Address

9 Library Way, DeMeritt Hall Room

City, State, ZIP/County

Durham, NH 03824

Phone

603-862-5312

Fax**Email ***

ellie@jlab.org

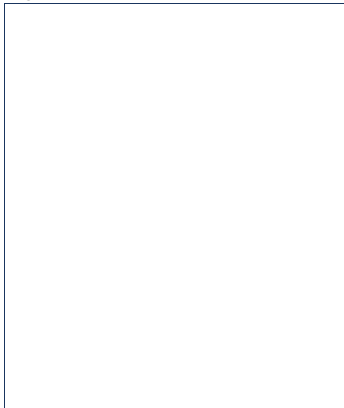
I Resources List

List below significant resources - both in equipment and human - that you are requesting from Jefferson Lab in support of mounting and executing the proposed experiment. Do not include item that will be routinely supplied to all running experiments such as the base equipment for the hall and technical support for routine operation, installation, and maintenance.

Major Installations**Equipment**

JLab/UVA DNP Target

Support Structures**Data Aquisition/Reduction****Support Structures**

**Software****Major Equipment****Magnets****Power Supplies****Targets**

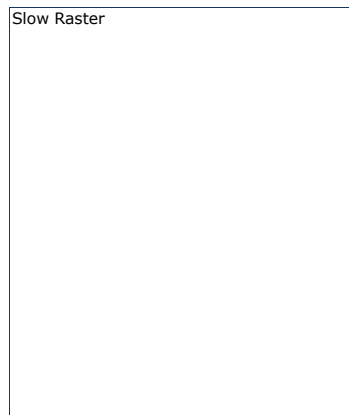
JLab/UVA DNP Target

Detectors

Electronics

Computer Hardware

Other Resources



Experiment Requirement List

Hall Liaison:

List all combinations of anticipated targets and beam considerations required to execute the experiment. (This list will form the primary basis for the Radiation Safety Assessment Document (RSAD) calculations that must be performed for each experiment.) support for routine operation, installation, and maintenance.

Beam Requirements: [Add Beam Requirement](#)

	Beam Energy(MeV)	Mean Beam Current(μA)	Polarization and Other Requirements	Est Beam-On Time(hours)
Remove	<div>2200</div>	<div>0.08</div>	<div>Unpolarized</div>	<div>6</div>
Remove	<div>2200</div>	<div>0.08</div>	<div>Unpolarized</div>	<div>25</div>
Remove	<div>6600</div>	<div>0.08</div>	<div>Unpolarized</div>	<div>6</div>
Remove	<div>6600</div>	<div>0.08</div>	<div>Unpolarized</div>	<div>244</div>
Remove	<div>8800</div>	<div>0.08</div>	<div>Unpolarized</div>	<div>6</div>

Remove	8800	0.08	Unpolarized	776
--------	------	------	-------------	-----

Target Identification Checklist

Check all items for which there is an anticipated need.

Cryogenics	Electrical Equipment	Radioactive Materials	Pressure Vessels	Special Target Materials	Flammable
Drift Container	Other Target Materials	Vacuum Vessels	Radioactive Sources	Large Mech. Structures	Lasers
Hazardous Materials	General				

☐ Beamline magnets

☐ Analysis magnets

☒ Target magnets

Type

Flow rate

Capacity

Computing Requirement List

Silo/Mass Storage (Tape)

2T

Amount of Simulated Data Expected

1

Amount of Raw Data Expected(TB)

2

Amount of Processed Data Expected(TB)

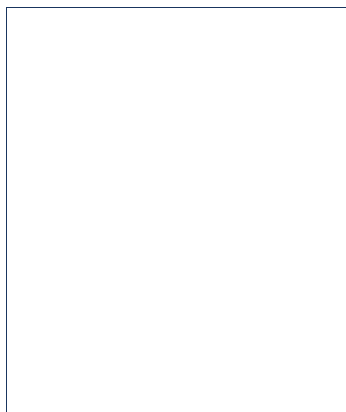
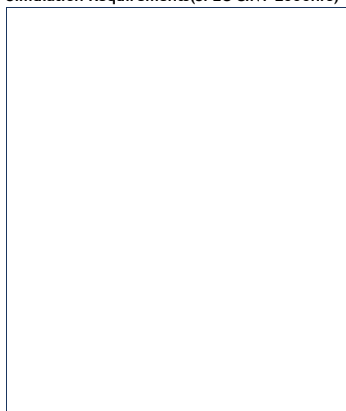
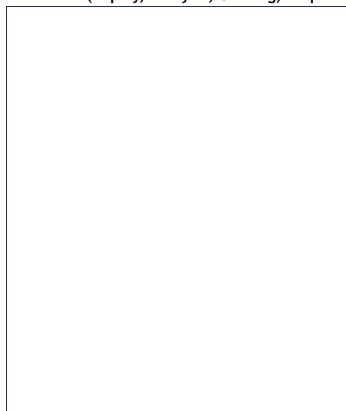
1

Online Storage Disk Required (TB)

1

Imported Data Expected from Offsite Institution

Exported Data Expected to Offsite Locations

**Computing****Simulation Requirements(SPEC CINT 2000hrs)****Production(Replay, Analysis, Cooking) Requirements (SPEC CINT 2000hrs)****Other Requirements**

Please add any additional information that will be useful for JLab's Information Technology group regarding unique configurations or that may require additional resources and/or coordination. Please indicate if possible what fraction of these resources will be provided by collaborating institutions and how much is expected to be provided by JLab.

**Update Proposal**

Please use the attachments section to attach your proposal document as well as a list of all authors. The author list, required as of PAC 43, should include the full first name, last name, and institution of each author.

Attachments

1. [x] [author_list.pdf](#)
2. [x] [azz_t20_proposal.pdf](#)

[Add File](#)[Add URL](#)[Privacy and Security Notice](#)contact_helpdesk@jlab.org