

General User Proposal

- Login to APS user portal using the following link
https://beam.aps.anl.gov/pls/apsweb/usercheckin.start_page
- Click on “My Proposals”; this should list your current proposals and also let you create a new one.
- Click on “Click here to APS Beam Time Request System”
- Choose “General User” under “Create a New Proposal”
- Be sure to select “Macromolecular Crystallography Proposal (includes rapid access MC) “ for proposal type (else you will not see any MX beamlines!)

Tips for a successful GUP

- All GUPs are reviewed by two reviewers. They are scored in a scale of 1 to 5, 1 being the best.
- Keep in mind that reviewers do not spend too much time on a single proposal, so be brief and to the point
- Briefly describe the importance of the project – highlight the science and medicinal value or the novelty of the experiment
- Justify why synchrotron beam time is required
- Describe your experience and previous results
- Request optimal amount of time for the project – a GUP is valid for two years – 18 or 36 shifts may be sufficient for a typical lab
- You can choose three different beamlines as your top choices. If you plan to use NE-CAT beamlines, choose 24-ID-C and E beamlines.
- APS User Office: 630-252-0900

How to justify need of Synchrotron

- Optimal energy required for a SAD or MAD experiment
- Aiming for higher resolution, but with a good reason.
- Use of kappa goniometry and the the ability to resolve longer unit cells.
- Use of robotics to screen poor diffracting crystals. Describe how much time would that take at home.
- Use of micro-diffraction tools with proper justification

General User Proposal

General | Experimenters | Abstract | Beamtime Request | Questions | Samples | Review

GUP-38147
General User Program: gu_program@aps.anl.gov, 630-252-9090
Technical assistance: mis_mgrs@aps.anl.gov

*Proposal Title:

This GUP copied from:

Shifts Recommended by PRP:	N/A	Shifts Allocated by BAC or Scheduled by Beamline in current cycle	Shifts Used to date: (0)	Shifts Remaining:	N/A
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Do you want this proposal to be considered for project status? Yes No

Does this proposal require [mail-in service](#)? Yes No

*Is this proposal for rapid-access powder diffraction measurements? Yes No

*Does this research involve macromolecular crystallography (single crystals) ? Yes No

*Will the data collected be considered proprietary ? Yes No

*Will the data collected be considered classified ? Yes No

Does this research involve human subjects or materials ? Yes No

Does this research involve live animals ? Yes No

*Are there known safety hazards associated with the proposed experimental procedures or your samples ? Yes No

*Does this research involve the use of radioactive samples/materials ? Yes No

*Does this research involve samples/materials that require a BSL-2 or BSL-3 facility? Yes No

Is this research required for a student's thesis ? Yes No

Have you spoken to a beamline staff member? Yes No

*Is this proposal related to another general user proposal ?
If so, which one(s) and how ? Yes No

(500 characters or less)

*Subject of Research:

Materials science Physics Chemistry
 Polymers Medical applications Biological and life sciences
 Earth sciences Environmental sciences Optics (excluding x-ray optics)
 Engineering Instrumentation related to user facilities Purchase of specialty service or materials
 Other (specify) Specify Other :

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Note: "mail-in service" is not "remote".

General User Proposal

General **Experimenters** Abstract Beamtime Request Questions Samples Review

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Individuals with a badge number must use the Find link to enter experimenter information.
This link will allow searches by badge number OR name. Otherwise, use the non-registered user fields to enter experimenter data.

Spokesperson: [Find](#)

First Name : Last Name ←

*Phone: *Email *Badge

Institution:

Mailing Address:

Registered Experimenters Coming to APS:	Badge	First Name	Last Name	Affiliation	Phone	Email	Delete
Find	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Find	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Find	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Registered Experimenters Not Coming to APS:	Badge	First Name	Last Name	Affiliation	Phone	Email	Delete
Find	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Find	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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Find	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Non-registered Experimenters:	Coming to APS	Badge	First Name	Last Name	Affiliation	Phone	Email	Delete
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
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GUP-38147

Should be name of the P.I.

The P.I. and the experimenters will receive notification about any activity in connection with this proposal (beam time scheduled; ESAF needed etc.)

General User Proposal

General	Experimenters	Abstract	Beamtime Request	Questions	Samples	Review
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GUP-38147
General User Program: gu_program@aps.anl.gov, 630-252-9090
Technical assistance: mis_mgrs@aps.anl.gov

You may attach supporting PDF documents to this proposal. [Click here to attach/detach files](#)

List of Attachments	Abstract of Proposed Research
	<p>NOTES:</p> <ul style="list-style-type: none">• You MUST provide an abstract below in the box provided. If you are cutting and pasting in text, PLEASE check for symbols, Greek letters, and super/sub-scripts, etc. These do not render properly in the system. PLEASE spell out and clarify wherever possible.• Charts and figures may be attached to support your abstract text and are useful to reviewers.• DO NOT attach a .pdf of a prior proposal. The reviewers will not read or look at it.• Abstract MUST be less than 4000 characters including spaces. Do not enter any carriage returns!• The abstract and proposal title may become public information.

Characters Remaining :

test proposal. please ignore!

GUP-38147

General User Proposal

The screenshot displays a web interface for a General User Proposal (GUP-38147). The top navigation bar includes tabs for General, Experimenters, Abstract, Beamtime Request (selected), Questions, Samples, and Review. Below the navigation, a green header bar contains the GUP ID and contact information: "General User Program: gu_program@aps.anl.gov, 630-252-9090" and "Technical assistance: mis_mgrs@aps.anl.gov".

The main content area is titled "Rapid Access Description" and "Make New Request". It contains a table of scheduling periods with a "Delete" button. The table lists three entries for the year 2014-1, each with a BTR ID, shift type, and "No BAC" checkbox. A footnote indicates that "Rapid access request" is marked with a red asterisk.

At the bottom of the main content area, there are "Back" and "Generate Report" buttons. Below this, a green footer bar contains instructions: "Pressing SAVE will allow you to save this proposal and continue to make changes. Notifications will not be sent." and "Pressing SUBMIT will save this proposal AND notifications will be sent to the APS. No changes can be made thereafter." There are "Save" and "Submit" buttons, and the GUP ID "GUP-38147" is displayed at the very bottom.

Rapid Access Description	Make New Request
Click on the scheduling period(s) listed below to see the beamtime request. <input type="button" value="Delete"/>	
2014-1*	BTR id: 89756 (24-ID-E) No BAC <input type="checkbox"/> <input type="checkbox"/>
2014-1*	BTR id: 89755 (24-ID-E) No BAC <input type="checkbox"/> <input type="checkbox"/>
2014-1*	BTR id: 89754 (24-ID-C) No BAC <input type="checkbox"/>

* Rapid access request

BTR = Beam Time Request

This needs to be done for every run cycle before the deadline. No need to submit a new proposal, as long as the proposal is current and has not yet used all the requested shifts.

Rapid Access BTR can be submitted after the deadline, but allocation of beam time will depend on the merits of the proposal and availability of beam time.

Make sure to click "save" and "submit".

General User Proposal

General	Experimenters	Abstract	Beamtime Request	Questions	Samples	Review
GUP-38147 General User Program: gu_program@aps.anl.gov, 630-252-0090 Technical assistance: mia_mgrs@aps.anl.gov						
Rapid Access Description Make New Request <small>Click on the scheduling period(s) listed below to see the beamtime request.</small> <input type="button" value="Delete"/>		Total 8-hour shifts requested for the LIFE OF THE PROPOSAL 36				
		Total shifts used and scheduled (or allocated) to date: 0				
		Number of the shifts remaining N/A				
		*For which scheduling period are you applying? 2014-1 (RAPID ACCESS ONLY) Status : NEW				
		Techniques Required: Macromolecular crystallography				
		*Choice Of Beamline: (The drop-down list will show when you click on one of scheduling periods, each beamline choice should be different.) 24-ID-E 1st Select One Beamline 2nd Select One Beamline 3rd				
		Any appropriate beamline <input type="checkbox"/>				
		*Number of 8-hour shifts requested for THIS scheduling period 3				
		Do you have specific scheduling requirements ?				
		What equipment is required ? What equipment will you bring ?				
		Please list any new publications resulting from your work at the APS.				
		Describe the progress made during your most recent beamtime. (2000 characters including spaces)				
		Preferred Dates (MM/DD/YYYY) From To to to to to				
		Unacceptable Dates (MM/DD/YYYY) From To to to to to				

 You must save your beam time request by clicking on the "Save" button BEFORE submitting.

If you plan to use NE-CAT beamlines, choose 24-ID-C and E as your first two choices.

General User Proposal

General Experimenters Abstract Beamtime Request **Questions** Samples Review

General User Program: gu_program@aps.anl.gov, 630-252-9090
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General User Program: GUP-38147

Which of these categories fit your proposal? Check all that apply (This information will be used for reviewer selection).

- Viruses
- Membranes
- Large Assemblies
- Complexes
- Nucleic Acids
- Structural Genomes
- High Resolution
- Time Resolved
- Education
- Instrumentation
- General

If this work is a continuation of work done under a previous proposal, give the previous proposal number and indicate what changes have been made. (limit : 3000 characters)

N

What is the scientific or technical purpose and importance of the proposed research? (limit : 500 words)

N

Why do you need the APS for this research? (limit : 100 words)

N

Why do you need the beamline you have chosen? (limit : 100 words)

N

Describe the participants' previous experience with synchrotron radiation and the experimental results obtained. (If you refer to previous publications, be sure to include complete citations.) (limit : 100 words)

N

Provide an overall estimate of the amount of beam time you will need to accomplish the goals of your proposed experimental program. How many visits during the two-year proposal period do you expect to need? How many shifts will you need during each visit (approximately)? (limit : 500 words)

N

References (limit : 2000 characters)

N

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General		Experimenters		Abstract		Beamtime Request		Questions		Samples		Review				
GUP-38147 General User Program: gu_program@aps.anl.gov, 630-252-9090 Technical assistance: mis_mgrs@aps.anl.gov																
List of Samples <input type="checkbox"/> thaumatin	Sample name and type of molecule must be entered if any other sample related data is to be saved. Sample Name: <input type="text" value="thaumatin"/>															
	Type of molecule: <input checked="" type="radio"/> Protein <input type="radio"/> DNA <input type="radio"/> RNA <input type="radio"/> Virus <input type="radio"/> Prion <input type="radio"/> Toxin <input type="radio"/> Complex of type <input type="text"/> <input type="radio"/> Other <input type="text"/>															
	Unit Cell Information Space Group : <input type="text"/>				Crystal Size and Quality <input type="text"/> mm by <input type="text"/> mm by <input type="text"/> mm Resolution Limit <input type="text"/> A Mosaicity <input type="text"/> Degree				Safety Information Bio Safety Level: <input type="text"/> Known Biohazard: <input type="checkbox"/>							
	a :		A	alpha :		<input type="text"/>	b :		A	beta :		<input type="text"/>	c :		A	gamma :
Experimental Needs Desired Energy: <input type="text"/> KeV Crystal Cryo-Freezing Conditions: <input type="radio"/> Known <input type="radio"/> Unknown Structure Solution Strategy: <input type="checkbox"/> MIR - elements <input type="text"/> <input type="checkbox"/> MAD - elements <input type="text"/> <input type="checkbox"/> Molecular Replacement <input type="checkbox"/> High Resolution - Resolution Desired <input type="text"/> A <input type="checkbox"/> Other <input type="text"/> Crystal mounting method and type of pins <input type="checkbox"/> Yale <input type="checkbox"/> Hampton <input type="checkbox"/> 1/8 inch or 3 mm pin <input type="checkbox"/> Other <input type="text"/>																
Please specify the funding source(s) for this sample: <input type="checkbox"/> DOD (specify) <input type="checkbox"/> DOE, Office of Basic Energy Sciences <input type="checkbox"/> DOE, Office of Biological and Environmental Research <input type="checkbox"/> DOE, Other (specify) <input type="checkbox"/> Foreign (specify) <input type="checkbox"/> HHIH <input type="checkbox"/> Howard Hughes Medical Institute (HHMI) <input type="checkbox"/> Industry <input type="checkbox"/> NASA <input type="checkbox"/> NIH <input type="checkbox"/> NSF <input type="checkbox"/> Other U.S. Government <input type="checkbox"/> USDA <input type="checkbox"/> Other (specify) Specify Other : <input type="text"/>																
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