**Advanced Photon Source
Beam Time Access System**

Blank General User Proposal Form - Macromolecular Crystallography

Displayed after MX question checked on General screen

(as of 15 December 2014; form subject to change without notice)

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

*Proposal Title: TEST

This GUP copied from:

Shifts Recommended by PRP:	Shifts Allocated by BAC or Scheduled by Beamline in current cycle	Shifts Used to date:	Shifts Remaining:
N/A	(0)	(0)	N/A

Do you want this proposal to be considered for project status?   Yes ○   No ◉

Does this proposal require mail-in service where the beamline collects the data (either 11-BM or 31-ID)?   Yes ○   No ◉

*Is this proposal for rapid-access powder diffraction measurements at 11-BM?   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 ○

*Are you submitting this proposal to the APS because of the transition between NSLS-I and NSLS-II?   Yes ○   No ○

*Is this proposal related to another general user proposal ? If so, which one(s) and how ?

(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 :**

[Generate Report]   [Copy Proposal]   [Next]

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

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

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							
	Find							
	Find							
	Find							

Registered Experimenters Not Coming to APS:		Badge	First Name	Last Name	Affiliation	Phone	Email	Delete
	Find							
	Find							
	Find							
	Find							

Non-registered Experimenters:	Coming to APS	Badge	First Name	Last Name	Affliation	Phone	Email	Delete
	[▼]							
	[▼]							
	[▼]							
	[▼]							

[Back]   [Generate Report]   [Next]

Pressing SAVE will allow you to save this proposal and continue to make changes. Notifications will not be sent. [Save]
Pressing SUBMIT will save this proposal AND notifications will be sent to the APS. No changes can be made thereafter. [Submit]
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General   Experimenters   **Abstract**   Beamtime Request   Questions   Samples   Review

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You may attach supporting documents, in PDF form only. **Click here to attach/detach files**

List of Attachments   **Abstract of Proposed Research**

NOTES:
- 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 :

Back   Generate Report   Next

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Rapid Access Description   **Make New Request**

Total 8-hour shifts requested for the LIFE OF THE PROPOSAL	
Total shifts used and scheduled (or allocated) to date:	0
Number of the shifts remaining	N/A
*For which scheduling period are you applying?	[⌄] Status :
Techniques Required:	[⌄] [⌄] [⌄]
*Choice Of Beamline:(The drop-down list will show when you click on one of scheduling periods, each beamline choice should be different.) Click here to view score distributions by beamline.	Select One Beamline [⌄] 1st Select One Beamline [⌄] 2nd Select One Beamline [⌄] 3rd
Any appropriate beamline	☑
*Number of 8-hour shifts requested for THIS scheduling period	
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

Back   Generate Report

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

Pressing SAVE will allow you to save this proposal and continue to make changes. Notifications will not be sent.   Save
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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)

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

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

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

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)

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)

References (limit : 2000 characters)

Back   Generate Report   Next

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

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List of Samples

Sample name and type of molecule must be entered if any other sample related data is to be saved.

Sample Name [_____]

Type of molecule: ○ Protein ○ DNA ○ RNA ○ Virus ○ Prion ○ Toxin ○ Complex of type [_____] ○ Other [_____]

Unit Cell Information			
Space Group :	[_____]		
a :	[____] A	**alpha :**	[____]
b :	[____] A	**beta :**	[____]
c :	[____] A	**gamma :**	[____]

Crystal Size and Quality	
[____] mm by [____] mm by [____] mm	
Resolution Limit	[____] A
Mosaicity	[____] Degree

Safety Information	
Bio Safety Level:	[____ ▼]
Known Biohazard:	☐

Experimental Needs

Desired Energy:	[_____] KeV
Crystal Cryo-Freezing Conditions:	○ Known ○ Unknown
Structure Solution Strategy:	
☐	MIR - elements [_____]
☐	MAD - elements [_____]
☐	Molecular Replacement
☐	High Resolution - Resolution Desired [____] A
☐	Other [_____]
Crystal mounting method and type of pins	☐ Yale ☐ Hampton ☐ 1/8 inch or 3 mm pin ☐ Other [_____]

Please specify the funding source(s) for this sample:

☐ DOD (specify)   ☐ DOE, Office of Basic Energy Sciences   ☐ DOE, Office of Biological and Environmental Research
☐ DOE, Other (specify)   ☐ Foreign (specify)   ☐ HHIH
☐ Howard Hughes Medical Institute (HHMI) ☐ Industry   ☐ NASA
☐ NIH   ☐ NSF   ☐ Other U.S. Government
☐ USDA   ☐ Other (specify)   **Specify Other :** [_____]

Add Another Sample

[Back]   [Generate Report]

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ANL

avg:

Final Score:	0.00
Comments to spokesperson	
Total Used Beamtime Shifts	0

Rating Scale

Quality Of Research	Impact Of Research	Need for Third Generation Synchrotron	Potential for Publication
• Highly Innovative and of great scientific importance (1) • High quality and cutting edge (2) • Near cutting edge (3) • Interesting (4) • Not well-planned or not feasible (5)	• Revolutionary (1) • Significant (2) • Important (3) • Minimal (4) • Insignificant (5)	• Essential(1) • Highly desirable for success of experiment(2) • Beneficial (3) • Not required (4). • Need is not clear(5)	• Very high in a leading scientific journal(1) • High in a leading scientific journal(2) • Strong in a non-leading scientific journal(3) • Likely(4) • Not Likely(5)