

# EXPRESS MODE PROPOSAL FORM

For Office Use Only	
Express Number	EM _____
Date Received	_____

**PLEASE TYPE ALL INFORMATION  
SUBMIT ORIGINAL AND 3 COPIES OF PROPOSAL**

**Please find our on-line form at [http://ws0.chess.cornell.edu/Proposals/OLPS/EM\\_form.idc](http://ws0.chess.cornell.edu/Proposals/OLPS/EM_form.idc)**

**NOTE:**

Express-Mode proposals stations include:

- A1 or F1 - up to 48 hours for fixed wavelength monochromatic oscillation crystallography
- F2 - up to 96 hours for tunable wavelength MAD crystallography (from 6 - 20 keV)
- D1, C1, F3 or A2 - up to 96 hours for small- or wide-angle scattering experiments
- B1 or B2 - up to 96 hours for high-pressure research using energy- or angle-dispersive diffraction.

**COLLABORATORS AND AFFILIATIONS:** Name (First and Last), Affiliation with complete address, telephone and Fax number. Please list Principal Investigator first. The Principal Investigator will be the group's primary contact with CHESS. (Collaborators, for example, include all authors of the paper that would describe the use of the CHESS data.)

**PROPOSAL TITLE:**

**ABSTRACT: (1/2 page only)**

1) Please indicate which station/s you think will satisfy your needs. If you require more station information, please visit: <http://www.chess.cornell.edu/aboutus/index.htm> or call a staff member. Staff contact numbers at: <http://www.chess.cornell.edu/staff/index.htm>

2) Estimate how much beam-time you will require to perform your experiment  
-- **A1** or **F1** - up to 48 hours for fixed wavelength monochromatic oscillation crystallography  
-- **F2** - up to 96 hours for tunable wavelength MAD crystallography (from 6 - 20 keV)  
-- **D1** - up to 96 hours for small- or wide-angle scattering experiments with wide-energy bandpass radiation  
-- **B1** or **B2** - up to 96 hours for high-pressure research using energy- or angle-dispersive diffraction.

3) Which calendar months (or more specific dates if you can) will you be able to accept?  
How much lead time do you need?

4) We routinely provide bench camera, crystal cooler, microscopes, etc. If you require other than standard equipment, please list here. If you have questions about the standard equipment, see here: <http://www.chess.cornell.edu/aboutus/stnquip/stnquip.htm> or call a staff member.

5) **HAZARDOUS MATERIALS:** Are HAZARDOUS MATERIALS involved in the experiment?  
To see a list of which materials are considered hazardous, see:  
<http://www.chess.cornell.edu/onlnquiz/pages/hzrdmts.htm>

YES \_\_\_\_\_ NO \_\_\_\_\_

If YES, you must complete the "HAZARDOUS MATERIALS DECLARATION" form  
<http://www.chess.cornell.edu/prposals/forms/hzrdmtv7.doc>

If NO, you must complete the "DECLARATION OF NON-HAZARDOUS MATERIALS" form  
<http://www.chess.cornell.edu/prposals/forms/nhzrdsv7.doc>

6) **Heavy atom compounds:** will you be bringing any material containing Heavy Atom Compounds (e.g. protein incorporating SeMet, or soaked in Pt, Hg, etc. compounds)?

YES \_\_\_\_\_ NO \_\_\_\_\_

If YES, will all your crystals be pre-frozen/pre-derivatized? YES \_\_\_\_\_ NO \_\_\_\_\_

If NO, will the total amounts of heavy atom compounds in your crystals fall **BELOW** "hazardous" limits? YES \_\_\_\_\_ NO \_\_\_\_\_

Hazardous limits are defined in: [http://www.macchess.cornell.edu/MacCHESS-2004/ha\\_criteria.html](http://www.macchess.cornell.edu/MacCHESS-2004/ha_criteria.html)

If NO, you must complete a "HEAVY ATOMS DECLARATION" form  
<http://www.chess.cornell.edu/prposals/forms/hvyatmv7.doc>

**7) SHORT DESCRIPTION OF PROPOSED WORK.** Be brief. A paragraph or two is all that is required. However, be certain to **explicitly** address the following points: (1) For non-macromolecular experiments, describe the experimental system, i.e. explain what will be done, and what experimental materials are to be studied. (2) Why is the experiment important? (3) Provide some background information, i.e. what has been done before on this, or a related system?

**8)** There are no charges for non-proprietary access to CHESS, however we do have to justify your productivity to our sponsors. Please list all publications involving CHESS data that have not previously been reported to CHESS, even if you forgot to acknowledge CHESS. Don't worry if you can't recall if a paper has already been reported-we can easily cull duplications.