

Request for XRD, XRR and LAUE Experiments & Analysis

Lab. Book # _____

Submission Date: _____

Your Name: _____

E-mail, Phone: * _____

Advisor Name: _____

E-mail, Phone: _____

Signature: _____

Organization: _____

Department: _____

Address: _____

KFS#, PO#, etc _____

Billing contact: _____

E-mail, Phone: _____

Signature: _____

* Items in *italic* are optional, in **bold** – mandatory. For more info check tooltips.

<input type="radio"/> D8 Advance <input type="radio"/> C2 Discover <input type="radio"/> X'Pert <input type="radio"/> LAUE
Data & Images ONLY Data & Search-match Unit Cell Refinement Rietveld Refinement XRR/Pole figure Crystal Orientation

2θ_{min} [5°]: _____ °2θ_{max} [90°]: _____ °2θ_{step} [0.02°]: _____ °

Exposure [0.5] _____ sec

Time [0.6]: _____ hrs

Spin sample: ☐ Yes, ☐ No

Temperature: _____ °C

Environment: _____

What information is expected from this study:

Expected phases or list of **possible chemical elements**:
*Stability & other relevant properties of samples, etc:**Experimental conditions if not standard:*

List sample names below and write # on the samples

#1	_____
#2	_____
#3	_____
#4	_____
#5	_____
#6	_____
#7	_____
#8	_____

FOR XCC USE ONLY

#	Powder Diffraction Services ^a	Rate ^b	x	Charges
1.	Equipment Usage:			
a	Data Collection /sample	1		
b	Instrument time /hour	1		
2.	Operator assistance:			
a	Sample Prep & Setup /sample	1/4		
b	Identif./Search-Match /phase	1/4		
3.	Supervising/Training:			
a	Supervising Users /month	1/4		
b	Training (new users) /user	3		
4	Advanced Analysis:			
a	Ab initio Indexing /cell	1		
b	Unit Cell Refinement /cell	1/2		
c	Profile/Ful Pattern /pattern	1 1/2		
d	Quant. and Rietveld /hour	3		
e	Structure Determination /hour	8		

^a Base rates are provided on request.^b This column shows typical rates expressed in hours

Total: _____ \$

Experiment Date: _____

Operator Comments and Notes

Completed on: _____