BEAM TIME REQUEST FOR THE UTILISATION OF IUAC PELLETRON

INTER-UNIVERSITY ACCELERATOR CENTRE Accelerator Based Research Centre of UGC

	INFORMATION ABOUT BTR - FORMS
BTR-1	Beam Time Request for Fresh Proposals
BTR-2	Beam Time Account (BTA) for Thesis Proposals
BTR-3	Request of Funds (along with Beam Time) for Fresh Proposals from Universities
BTR-4	Beam Time Request for Ongoing Proposals

<u>Note:</u> Accelerator Users Committee (AUC) allocates <u>highest priority</u> to the Ph.D projects from universities and teaching institutions. Once a Ph.D. thesis proposal is accepted by AUC, a Beam Time Account (BTA) may be opened for the project using this form. The BTA takes care of the beam time requirement for the entire Ph.D work over a period of about 3 years. The actual scheduling of the beam time from the BTA can be made on a rapid scale through a simple process which just requires submission of BTR-4 to the Convenor, AUC (at least six weeks in advance of the proposed run). There is no need to wait for an AUC meeting to get the request for a subsequent run sanctioned.

-	osal No.	Α	
Atomi Others		aterials Scie	
1.	Name of the Stude Thesis Title	ent	
	Research Field		
	Has he/she cleared NET/GATE Fellowship details	No Yes /	Year of clearing NET/Gate Score: Project & Amount
2.	Mailing Address	No	
		Phone:	Mobile no.:
		Fax: Forn	e-mail: n No. BTR-2 for Thesis proposals (to be filled by Ph.D Students only)
3	Ph.D. Registration Date of Registration Department		
4	University Ph.D. Supervisor	(s)	
Ν	Name / Designation		

Department		
University / Institution		
Contact No.		
E-Mail ID		
Name / Designation		
Department		
University /		
Institution		
Contact no.		

5A. BRIEF BIO-DATA OF BOTH STUDENT AND GUIDE

(Please attach separately as per the format given in the Annexure)

5B. Please submit your detailed PhD Thesis proposal giving following sections :

Section 1	Title of the Thesis with a brief abstract of the proposal					
Section 2	Survey of the work existing in the literature (Max.500 words) A list of most recent publications in journal in the field relevant to the project must be included .					
Section 3	Definition of the Thesis Problem (Max.500 words)					
Section 4	Experimental Plan (Max.400 words)					
Section 5	Facilities Required					

6A. Name and Affiliation of the theoretical physicist(s) associated with this proposal :

6B. Theoretical simulations / calculations in support of the experimental ideas : (Limit to maximum of 100 words only)

Form No. BTR-2 for Thesis proposals (to be filled by Ph.D Students only) 6C. Details of offline studies and associated visits, if required :

7. BEAM TIME REQUIREMENT (Normally one type of ion in one run, but for more than one ion species in one run, requirement is to be given in order, changes are not possible later. Justify the requirement in the annexures)

No. of runs	No. of shifts in each run	Ion species	Ene (M	ergy eV)		rent nA)	Charge state (if relevant)
(1 shift	= 8 hrs)		Min.	Max.	Min.	Max.	
I.							
II.							

III.				
IV.				

8 (A) BEAM LINE TO BE USED (please tick the appropriate one) :

BIO LIBR HIRA MAT.SC. GDA GPSC

8 (B) ACCESS-TIME NEEDED IN HOURS (with justification)

	Prior to run	After the run
For the Beam Line		
For the Data Acquisition System		

Form No. BTR-2 for Thesis proposals (to be filled by Ph.D Students only)

9. TARGET / SAMPLE DETAILS

Material	Thickness (µg/cm ²)	Backing (if any)		Any special property
		Material	Thickness	e.g. hygroscopic,toxic
				etc.
N. 4				

Note :

1) Users are requested to bring their targets properly mounted on standard target frames or on standard strip to be fixed on the ladder. Please make sure that no material is to be used which can outgas. Any residual radio-activity associated with the targets after irradiation should be thoroughly checked in consultation with the health physics group at IUAC.

2) If targets are to be prepared at IUAC, user must write to Convenor AUC well in advance, to book target laboratory time and prepare the targets himself/herself at IUAC. Consultation will be provided.

10. COLLABORATORS (including IUAC personnel, Research Scholars) *

Sr.No	Name	Affiliation	Contact Phone No. & Fax No.	E-Mail Address

* Names to be included with consent.

Date :

Signature Research Scholar

Signature of Supervisor

	Blo-data	of Principal	Investigator			
Name Designation Affiliation :						
Past Affiliation(s) :						
Date of Birth :]	
Contact No:-						
E-mail ID:-						
Category (kindly X the box):	General	SC	ST	OBC	Others	
Academic Qualifications :						

Bio-data of Principal Investigator

List of previous Projects / Beam Times at IUAC (if any) :

AUC No.	Sanctioned Year/Month	Title	Status: completed or running

Brief Research Experiences :		

Signature of PI

11. Brief summary of all the projects (Completed / Continuing) by using IUAC facilities.

(Additional sheet may be added, if required.)