



## Form No. BTR-1 for fresh proposals

\* Names to be included with consent.

**4A. DETAILS OF TA/DA SUPPORT NEEDED (SPECIFY NUMBERS)**

[For university / college personnel only, maximum number four; (travel support is as per entitlement, but limited to AC 2 tier fare) ]

Faculty \_\_\_\_\_ Student \_\_\_\_\_ Others \_\_\_\_\_

**4B. BRIEF BIO-DATA OF P.I. (Please attach as per the format given in the Annexure)**

**5. TOTAL NUMBER OF SHIFTS REQUIRED FOR COMPLETION OF THE EXPERIMENT (1 SHIFT = 8 HRS.): ( Justify the requirement in the annexures )**

**Note:** Shift allotment will be done only for the first run if the proposal is accepted. For sanctioning of subsequent runs, form BTR-4 is to be submitted to AUC following the first run. Subsequent run sanction is subject to AUC review.

No. of runs proposed \_\_\_\_\_ No. of shifts proposed in each run \_\_\_\_\_  
(I Run) (II Run) (III Run)

**6. BEAM REQUIREMENTS ( Only for the first run : 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 )**

Ion species (with Mass no.)	Energy (MeV)		Current (pA)		DC/Pulsed	Charge state (if relevant)
	Min.	Max.	Min.	Max.		

## Form No. BTR-1 for fresh proposals

**7. (A) BEAM LINE TO BE USED (please tick the appropriate one) :**

BIO      LIBR      HIRA      MAT.SC.      GDA      GPSC

**7. (B) ACCESS-TIME NEEDED IN HOURS (with justification)**

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

**8. TARGET / SAMPLE DETAILS**

Material	Thickness ( $\mu\text{g}/\text{cm}^2$ )	Backing (if any)		Any special property e.g. hygroscopic, toxic etc.
		Material	Thickness	

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.

**9. ONLINE/INSITU MEASUREMENTS PLANNED WITH JUSTIFICATION FOR THE BEAM SELECTION AND NO. OF SHIFTS ASKED (include also a brief description of any Offline studies planned and place of offline studies).**

Limit your description to **maximum of 200 words** of text. ( Annexure I )

**10. SCIENTIFIC MOTIVATION:**

Limit your description to **maximum of 200 words** of text only. ( Annexure II )

**11. IMPORTANCE OF THE PROPOSED EXPERIMENT IN THE CONTEXT OF THE INTERNATIONAL STATUS.** Limit your description to **maximum of 200 words** only. A list of **most recent publications in journal in the field relevant to the project must be submitted.** ( Annexure III )

**Note:** Use annexure for figures/tables/references for items 9,10 & 11 above.

**12A. Name and Affiliation of the theoretical physicist(s) associated with this proposal :**

**12B. Theoretical simulations / calculations in support of the experimental ideas :**  
(Limit to **maximum of 100 words** only )

**Form No. BTR-1 for fresh proposals**

**13. Have you used the IUAC Pelletron before?**

If yes, when? \_\_\_\_\_ Which beam(s)? \_\_\_\_\_.

Publications, if any from the project :

**14. IF THERE IS A Ph.D STUDENT INVOLVED IN THE EXPERIMENT, PROVIDE THE FOLLOWING INFORMATION:**

**Note:** Accelerator Users Committee (AUC) allocates highest priority 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) is opened for the project. The BTA takes care of the whole beam time requirement for the entire Ph.D work over a period of about 3 years. Use BTR-2 form for BTA. 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 duly completed form 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.

A) Name of the Student \_\_\_\_\_

Research Field \_\_\_\_\_

Has he/she cleared  
NET/GATE

Yes /  
No

Year of clearing NET/Gate  
Score:

Fellowship details

Yes /  
No

Project & Amount

B) Mailing Address \_\_\_\_\_

Fax: \_\_\_\_\_

Phone: \_\_\_\_\_

e-mail: \_\_\_\_\_

C) Ph.D. Registration Details

Date of  
Registration  
Department

University

D) Ph.D. Supervisor(s)

Name /  
Designation  
Department  
University /  
Institution

Name /  
Designation  
Department  
University /  
Institution

Date:

Signature ( Principal Investigator)

E-Mail to : [academic@iuac.res.in](mailto:academic@iuac.res.in)

Send hard copy to : The Convenor, AUC, Inter-University Accelerator Centre, Post Box No.10502, Aruna Asaf Ali Marg, New Delhi 110 067, India [Phone: 26893955 / 26892601, Fax (91-11)-26893666]

Last date for submission : May 31 for July AUC // Nov. 10 for Dec. AUC

### Bio-data of Principal Investigator

**Name**  
**Designation**  
**Affiliation :**

**Past**  
**Affiliation(s) :**

**Date of Birth :**

**Category**  
**(kindly X the**  
**box):**

General

SC

ST

OBC

Others

**Academic**  
**Qualifications :**

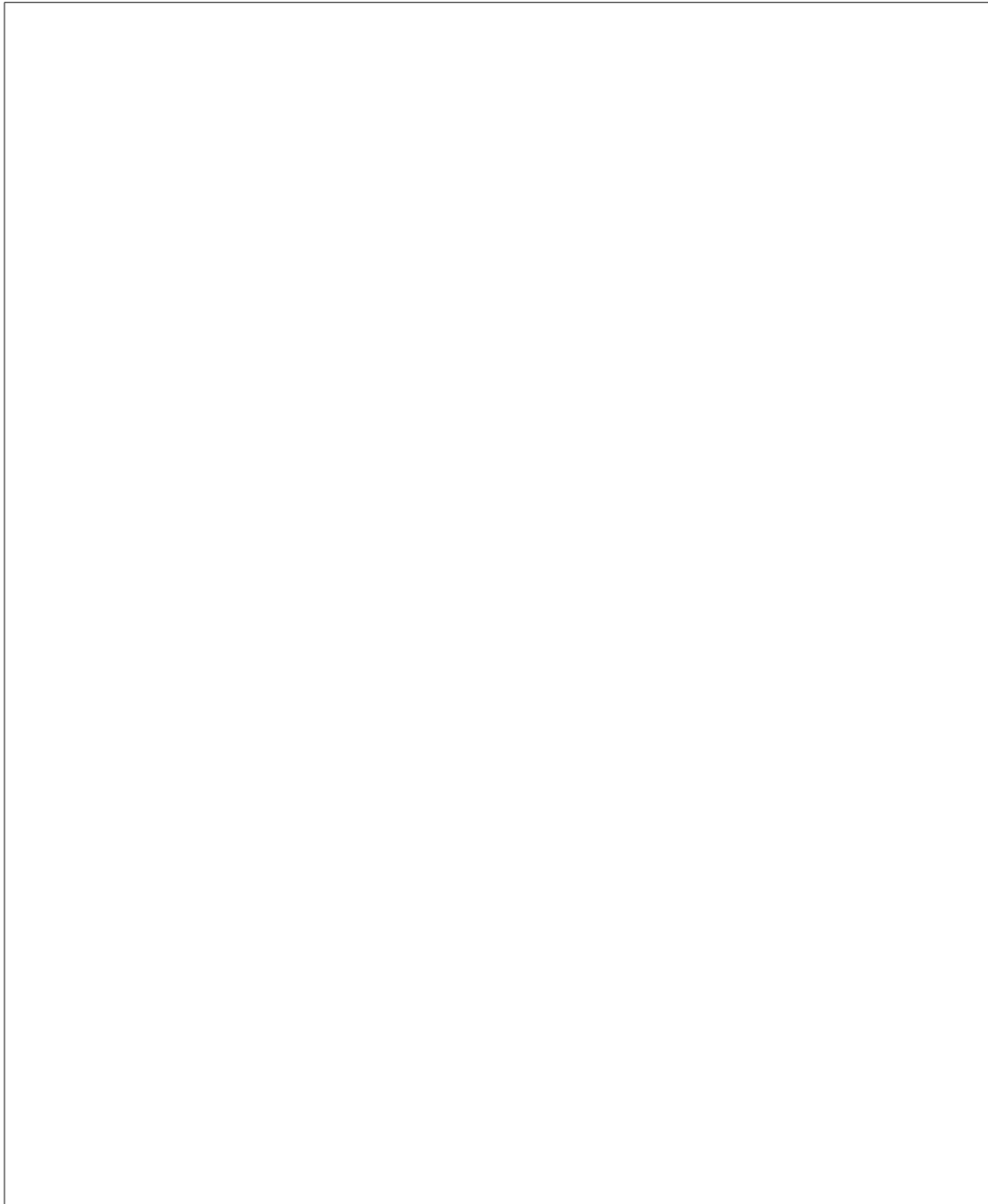
### List of previous Projects / Beam Times at IUAC (if any) :

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

**Brief**  
**Research**  
**Experiences :**

Signature of PI

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



(Additional sheet may be added, if required.)

Signature of PI