

FORM NO. 004
For university users not yet covered
under the Collaborative Research
Scheme but need support for the
experiments at IOP

**UGC-DAE CONSORTIUM FOR SCIENTIFIC RESEARCH
KOLKATA CENTRE**

Beam Time Request from University Users for Experiments at the
Institute of Physics, Bhubaneswar

1. Title of the Research Proposal

2. Principal Investigator

Name _____
Institute/University _____
Address _____
Tel, Fax, E-mail _____

3. Co-Investigators

Name _____
Institute/University _____
Address _____
Tel, Fax, E-mail _____

Name _____
Institute/University _____
Address _____
Tel, Fax, E-mail _____

4. How many Collaborators will be participating in the experiment

5. Tick the Beam Line you wish to use

- | | |
|----------------------------------|------------------------------|
| i. RBS/Channeling/PIXE (-45 deg) | iv. Implantation (+15 deg) |
| ii. AMS (-15 deg) | v. Surface Science (+30 deg) |
| iii. Nuclear Physics (0 deg) | vi. Micro PIXE (+45 deg) |

6. Beam Requirement

Ion Species _____ Energy _____ Current _____ Charge State _____

7. Research Proposal (please submit the description under following sections) :

- i. Title of the Experiment
- ii. Brief aim of the Experiment
- iii. Scientific Justification
- iv. Experimental Methodology
- v. No. of shifts of beam time needed (one shift = 8 hours) with the justification
- vi. List of recent references related to the research proposed

9. Justification for choosing the Pelletron Facility at IOP
(Attach a separate sheet; Write up should not be more than 1/2 page)

10. Have you used the IOP Pelletron facility before: YES/NO

If YES, please mention the dates and give the following information:

- i. Progress of earlier projects at IOP (Use separate sheet)
- ii. Publications using IOP pelletron (Use separate sheet)

11.

Travel and Stay at IOP			
Financial Assistance for travel and stay required: YES/NO (the travel support is limited to AC 2 tier depending upon the eligibility)			
No	Name	Designation/ Affiliation	Accommodation needed (give period of stay)

12. Whether you need to make use of facilities at UGC-DAE CSR, Kolkata Centre: Yes/No
If yes, please briefly mention the work to be done using the UGC-DAE CSR, KC facilities and please contact us in case a visit to UGC-DAE CSR, Kolkata Centre is needed.
(see the annexure I : List of Facilities available at UGC-DAE CSR, KC)

13. **Collaborators from UGC-DAE CSR, KC, if any**

Signature of Principal Investigator

Please mail the duly completed form to :

Dr. M. Sudarshan

UGC-DAE CSR, Kolkata Centre, III/LB-8, Bidhan Nagar, Kolkata 700 098

Tel: 91-33-3356541/ 3358035 /3351866; Fax: 91-33-3357008/6543; e-mail: sude@alpha.iuc.res.in

You may also contact Dr A Saha, Centre Director, UGC-DAE CSR, Kolkata Centre (abhijit@alpha.iuc.res.in) in case of any clarifications or any specific help.