

23 January, 2014

Sub : Request for submission of experimental proposals for VEC machine

The K-130 Variable Energy Cyclotron has been upgraded and is presently delivering light-ion beams for experiments. The proposal for beam time request, if any, for using the VEC machine is therefore being invited from the users all over. The experimental proposals are going to be discussed in the next VECC Users' Committee meeting and beam time allotted.

Please submit your experimental proposals at the earliest (as per the enclosed format), so that it can be considered for the next meeting of the Users' committee and beam times allotted.

The available accelerated ions and their energy ranges are indicated here for your reference.

Ion-Beam Energy Range

Proton : 7 – 20 MeV

Deuteron : 15 – 30 MeV

Alpha : 30 – 60 MeV

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Secretary, VECC Users' Committee

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Tel : (033) 2318 – 2310 (Office)

Fax: (033) 2334 – 6871

Directly e-mail your proposals at: beam_time@vecc.gov.in

For details, and updates, please visit: www.vecc.gov.in

Government of India
Department of Atomic Energy
Variable Energy Cyclotron Centre

PROPOSAL FOR EXPERIMENT WITH VEC K-130 CYCLOTRON – 2014

Send to: beam_time@vecc.gov.in

1. Title of the Experiment:

2. Spokesperson :

Designation:

Address:

Telephone:

E-mail:

Fax:

Give the name of the Ph. D. student, if any:

4. Beam Requirements (Only one type of ion in a run):

a) Ion species:

b) Energy Range:

c) Current Range:

5. Total no. of shifts required
for completion of the Experiment :

Setting up & calibration time needed:

6. Target Details:

7. Scientific Motivation (250 words) highlighting the importance of the proposed experiment in the light of existing data in the literature. Give a few most recent references.

8. Brief outline of the proposed experiment (100 words):

9. Readiness for the beam time:

Date:

Signature
Name of the Spokesperson