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**INQUIRY FOR THE ORGANISATION
OF A WORKSHOP ON BEAM COOLING TECHNIQUES**

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1. AIM OF THE INQUIRY

The PS Division at CERN is planning to organise a workshop on "Cooler rings and beam cooling techniques". The aim of the workshop is to enable all the experts in this domain to get together and to exchange and present recent experimental results and ideas in this field of accelerator physics.

This concerns principally electron, laser and stochastic cooling, but other techniques are also welcomed for discussion. The emphasis will be made on problems related to cooling devices and cooling techniques. Only a limited number of status reports on recent or future machines will be presented.

2. PLACE, DATE AND PROCEEDINGS

The work could take place before the end of 1993 at CERN (probably around September). It is expected to last about three days with an important amount of time devoted to working sessions. A small registration fee will be charged to the participants in order to cover the expenses incurred by CERN while travel and hotel arrangements will be left up to the participants (the organising committee will obviously help in making hotel bookings). A number of grants could be made available for students interested in attending the workshop.

If all the participants return their written contribution during the workshop, the proceedings will be published in the form of a CERN report.

3. TENTATIVE PROGRAMME

- Recent and future cooler rings and cooling devices
- Stacking methods
- Technological progress (electron guns, collectors, acoustic waves, optical fibres, etc.)
- Measurements and diagnostics
 - ion/electron beam temperatures, etc.
 - cooling time measurements
- Beam instabilities
- Crystalline beams
- Electron beam neutralisation
- Ion cooling and recombination
- Experiments needing cold ion beams (traps, internal targets...).

We would be most grateful if you could fill in the enclosed questionnaire and return it to us by September 30th. After having analysed your comments we would be able to judge whether or not it would be a good opportunity to organise such a workshop.

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QUESTIONNAIRE

1. Do you think that such a workshop should be organised ? **YES / NO**

If YES, please answer the following questions.

2. How many persons from your laboratory would be interested in attending ?

3. If you think that we have omitted someone who is susceptible to contribute to this workshop could you please indicate his/her name and address :

4. Concerning the tentative programme :

Are there any other subjects that you think should be included ?

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