EUROSCHOOL ON EXOTIC BEAMS

organized by the "Instituut voor Kern– en Stralingsfysika, K.U.Leuven" in the framework of the Human Capital and Mobility Programme of the Commission of the European Communities

Leuven, Belgium, September 6 – 10, 1993

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FIRST BULLETIN

In the framework of the Human Capital and Mobility Programme, the Commission of the European Communities has created the possibility to set up Euroconferences: "*A Euroconference comprises a series of high–level meetings on the same general topic at the cutting edge of scientific or technical knowledge, at which the leading scientists in a specific field are brought together with the youngest scientists in that field...The meetings which would normally last up to five days at a time would continue the discussion over a period of years.*"

The production and use of energetic radioactive beams is a rapidly developping new field in Nuclear Physics, especially in Europe. Representatives of four European research institutes, namely ISOLDE (CERN, Switzerland), GANIL (Caen, France), GSI (Darmstadt, Germany) and ARENAS[3] (Louvain–la–Neuve, Belgium), have introduced a proposal for a Euroschool on Exotic Beams. This proposal has been selected and contract negotiations are in progress. Meanwhile we feel it is necessary to inform you already now on our plans.

A series of schools will be set up on an annual base. The first will take place from September 6 – 10,1993. In order to keep the organizational work and the financial costs as low as possible, we have chosen to hold this school always at the University of Leuven. The students, the school is aiming for, should be young Ph. D. students starting to work in one of the fields related to radioactive ion beams, or Post Docs reorienting their scientific interest. A fair number of students will be subsidized by the school; young scientist from less–favoured regions in Europe will have priority.
The programme will contain a technical part and a scientific part. The technical part will deal with e.g. production methods, ionization, acceleration, purification, separation, storing/cooling, high–radiation backgrounds, target and detection techniques. The scientific part will be related to nuclear physics, nuclear astrophysics, solid–state physics, atomic physics, fundamental interactions, biology and medicine and will cover subjects like e.g. exotic nuclei, nucleosynthesis, laser spectroscopy and material research.
The lectures will be given by authorities in the different fields. Part of the lectures will address the more general problems related to exotic beams but others will deal with the specific problems of a particular experimental set–up. In order to realize this goal the school has a board of directors, representing four major European institutes for radioactive beams. However the responsibility for the scientific programme of a specific year will be taken, on a rotational base, by one of the four teams.

This first bulletin will be sent to every research institute or university in Europe that may have interested candidates. In a first round we would like to receive from these institutes the number of students that likely will be sent to the school and the name of a senior research fellow who could act as a contact person. Later on we will announce the specific scientific programme for the 1993 school and we will define the number of non–paying and paying students per institute.

Further information can be obtained from:

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