

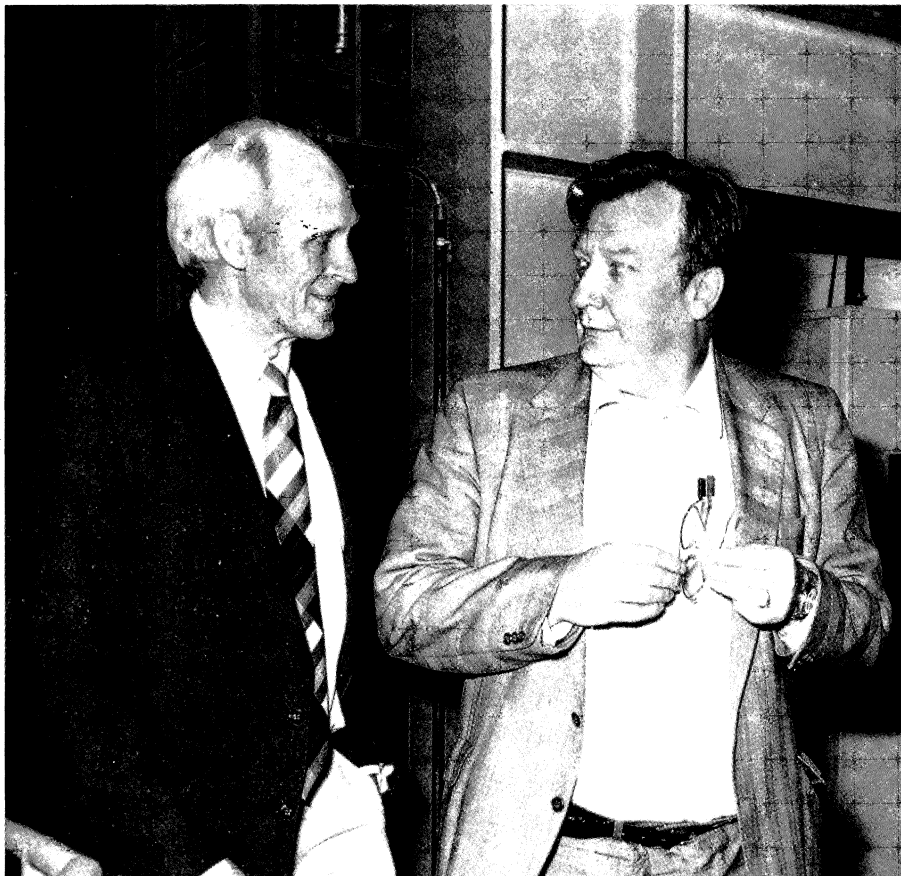
People and things

On people

Pierre Darriulat of CERN has been elected corresponding member of the French Academy of Science.

George Kalmus becomes head of High Energy Physics Division at the UK Rutherford Appleton Laboratory. This follows the move to CERN of previous Division Head John Thresher to take up the post of Research Director after Ian Butterworth's departure from CERN to become Principal of London's Queen Mary College.

Norwegian theoretician Jan Wroldsen, now in Oslo after a spell at CERN, has been awarded the King Olaf Gold Medal for his work on quark contributions to nucleon-nucleon interactions, carried out with compatriot Fred Myhrer visiting CERN from South Carolina.



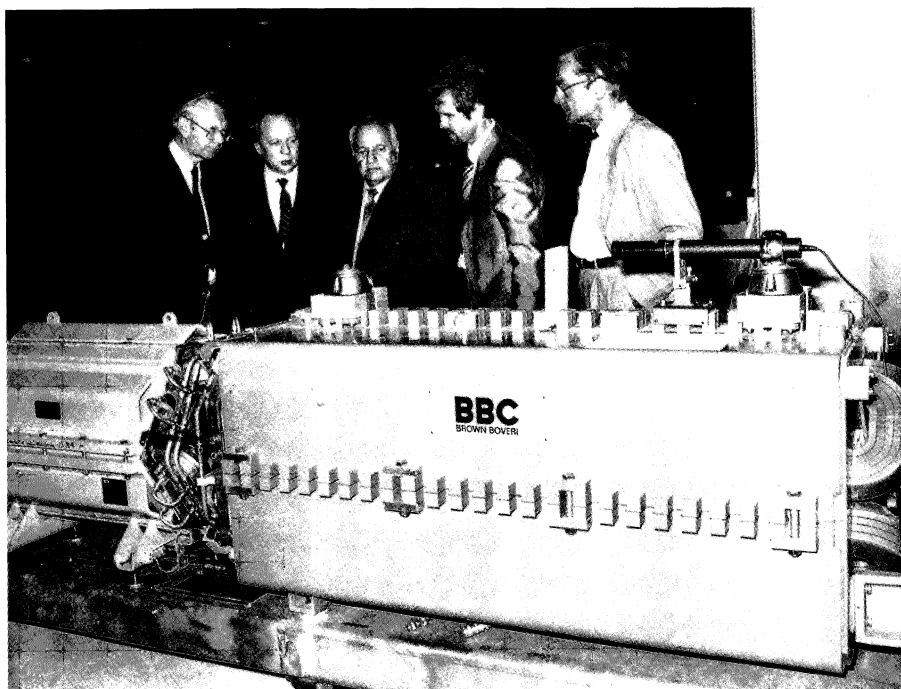
New CERN Research Director John Thresher (left) seen here with Carlo Rubbia.

More light at Brookhaven

The design current of 1 ampere was achieved this summer at the 750 MeV vacuum ultra-violet storage ring of the US National Synchrotron Light Source at Brookhav-

Chairman of the USSR State Committee for the Utilization of Atomic Energy Andronik Petrossyants (centre) inspects multipole magnets for CERN's new LEP electron-positron Collider with (left to right) CERN Director General Herwig Schopper, Yuri Galaktionov of ITEP Moscow and the L3 experiment for LEP, CERN-USSR collaboration link-man Yuri Petrovykh and Lucien Montanet of CERN and the L3 experiment. Montanet is now Co-Chairman of the Scientific Committee under the CERN-USSR collaboration agreement, succeeding Giuseppe Fidecaro.

(Photo CERN 275.9.86)



EXPERIMENTAL HIGH ENERGY PHYSICS UNIVERSITY OF HOUSTON INVITES APPLICATIONS FOR

Post Doctoral Research Associate

An opening exists at the University of Houston for a Post Doctoral Research Associate. Recent Ph.D's (0-5 years) in Experimental High Energy Physics with strong hardware background are encouraged to apply. This person will initially live in Houston, Texas, to work on the construction of streamer tubes for the LVD experiment at the Gran Sasso Tunnel, Italy. Later assignments will depend upon the course of development of the experiment and may involve residence in Europe for one or more years.

Resumes with the names of at least three persons who can provide professional evaluations should be sent to:

Professor Kwong Lau
Department of Physics
University of Houston –
University Park
Houston, Texas 77004
U.S.A.
(713)749-4617

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Theoretical Physicists

Two permanent positions for theoretical physicists are open at SIN, the Swiss Institute for Nuclear Research, Switzerland. Substantial experience in the field of strong and/or electroweak interactions is required. The physics orientation must be relevant for the experimental program carried out at SIN which is based on a 600 MeV proton accelerator with intensive secondary beams of pions and muons. Close contact with experimental groups working at SIN is expected. Present experiments are concerned with weak and forbidden decays of pions and muons, mesic atoms, pion and nucleon induced reactions, and with applications of the muon spin rotation technique to problems in condensed matter physics. Further information may be obtained from **Prof. Milan P. Locher** (telephone 056/99 36 56 or 99 36 65).

The usual documentation including the names and addresses of three referees should be sent by January 31, 1987 to

SIN, Swiss Institute for Nuclear Research, Personnel Dept., CH-5234 Villigen/Switzerland, Code 38.

UNIVERSITY OF GENEVA

The Department of Nuclear and Particle Physics has an opening for a position of

RESEARCH ASSOCIATE (Maître-assistant)

to join a group active in fixed target experiments at CERN. The candidate must have a Ph. D. or equivalent experience in high energy physics. This is a non permanent position limited to a maximum of 6 years.

Applications should be sent before December 15, 1986 to

Prof. E. Heer, Director
of Département de physique
nucléaire et corpusculaire
24, quai Ernest-Ansermet
CH-1211 Geneva 4

TWO FACULTY POSITIONS High Energy Physics University of Iowa

The Department of Physics and Astronomy at the University of Iowa invites applications for two tenure-track faculty positions in experimental elementary particle physics beginning in August 1987. The appointments are authorized at the assistant professor level, but higher level appointments will be considered for qualified candidates. We invite applications from outstanding candidates at any level and in all areas of experimental elementary particle physics. Faculty duties include undergraduate and graduate teaching, guidance of research students, and personal research both independent and in collaboration on existing experiments. Applications, including a curriculum vitae and a statement of research interests, should be sent to:

Search Committee
Department of Physics
and Astronomy
The University of Iowa
Iowa City, IA 52242-1410

Applicants should arrange for three letters of recommendation to be sent directly. The University of Iowa is an equal opportunity/affirmative action employer.

Multiple reflections from the mirror system for the Ring Imaging Cherenkov to be used in the DELPHI detector for experiments at CERN'S LEP electron-positron Collider. The fabrication techniques, entirely developed at CERN by Gilbert Gendre and colleagues, have been taken over by the Swedish firm Bofors. In particular, the method of hot forming of the mirrors has been so well perfected that no subsequent mirror polishing is necessary.

(Photo CERN 757.5.85)

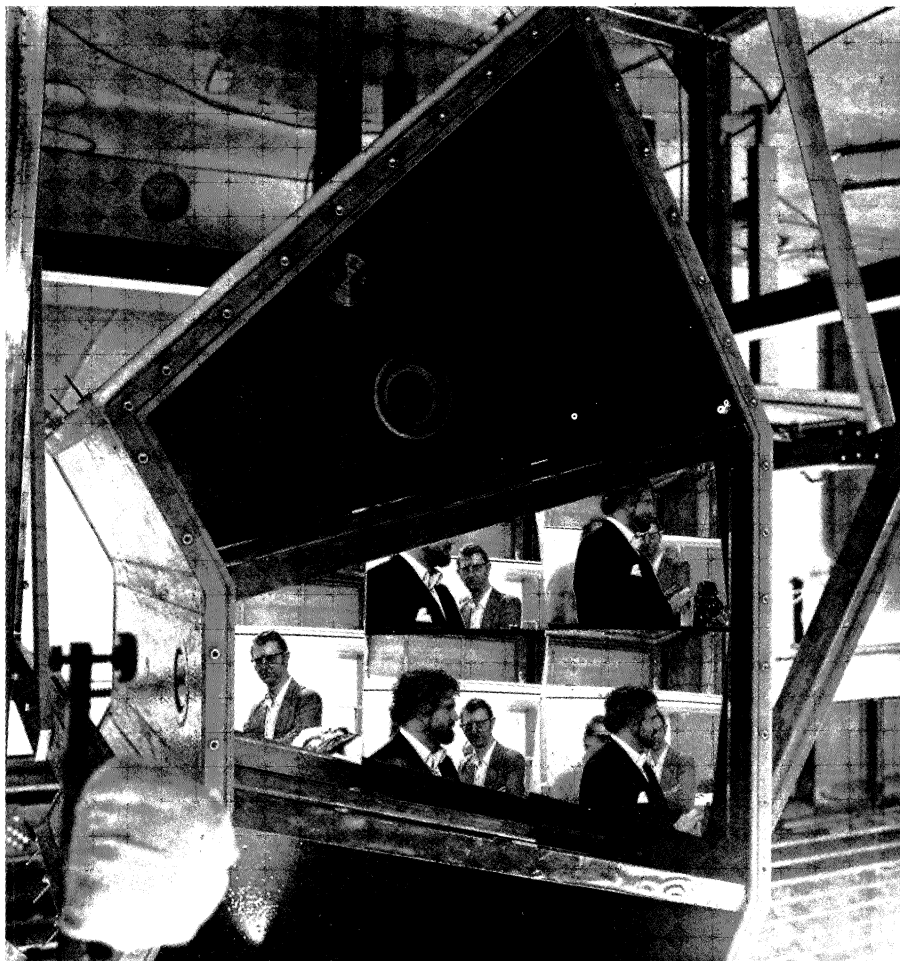
en. The ring is now routinely filled with 800 milliamp currents, almost three times up on the average filling current in 1985. Beam lifetime with 1 amp current is limited to an hour, but efforts are continuing to improve this performance.

Meetings

The next International Symposium on Lepton and Photon Interactions at High Energies will be held in Hamburg, West Germany, from 27-31 July 1987. The meeting is sponsored by the International Union of Pure and Applied Physics (IUPAP) and attendance will be organized through IUPAP representatives in different countries, however those interested may also write directly to the Conference Chairman, P. Söding, DESY, Notkestrasse 85, 2000 Hamburg 52, West Germany. Between 1000 and 1200 invited participants are expected at the meeting, which will include only plenary sessions with rapporteur and review talks.

The second Lake Louise Winter Institute will be held from 16-22 February at Chateau Lake Louise, Canada. This year the topic for the first three days of pedagogical lectures is 'Selected Topics in Electroweak Interactions'. This will be followed by a short topical conference with contributed presentations by participants. For further information contact: The Secretary, LLWI, Department of Physics, University of Alberta, Edmonton, Canada T6G 2J1.

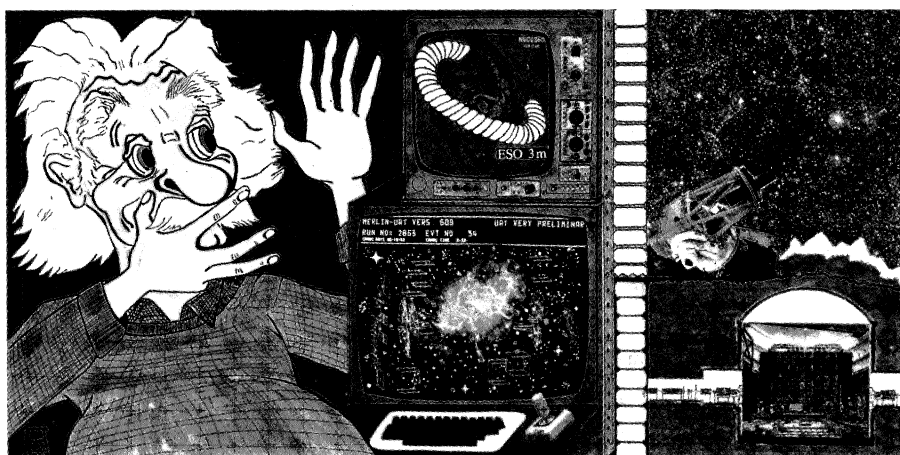
Alvaro de Rújula's illustration for the forthcoming International School on Astro-Particle Physics, organized jointly by CERN and the European Southern Observatory (ESO), see page 39.

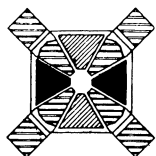


The proceedings of the Indian National Workshop on Fixed Target Physics, held at Jadavpur University from 10-14 February this year, should shortly be available. Copies from D.K. Bhattacharjee, Dept. of Physics, Post Box No. 17009, Jadavpur University, Calcutta 700 032, India.

The 32nd Scottish Universities' Summer School in Physics will be held from 9-29 August 1987 at

the University of St. Andrews. This NATO Advanced Study Institute will review the techniques of computational physics and study recent applications, with special emphasis on lattice gauge theories and condensed matter physics. It is aimed at penultimate/final year PhD students and research fellows, and will be restricted to about 80 participants. Further information from A. Walker, Department of Physics, Room 4409, James Clerk Maxwell Building, University of Edinburgh, Edinburgh EH9 3JZ, UK.





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RF ENGINEER

IUCF has an opening for an RF Engineer to participate in the expansion and support of a dynamic accelerator laboratory of international reputation. This is a continuing full-time position in the IUCF Professional ranks which will provide excellent opportunities for professional growth. A BS degree in Electrical Engineering or MS degree in Physics is required as well as some experience working in a scientific laboratory.

This laboratory is engaged in a major facility upgrade consisting of the construction of a storage ring with electron cooling which will offer novel possibilities for performing nuclear physics experiments with beams of unconventional and superior characteristics.

Long-term responsibilities will include design, development, installation, and troubleshooting of some of the following systems: pulsed power supplies, high voltage power supplies, RF power amplifiers, RF drive circuits, high power RF resonators, computer-based digital control systems, analog control systems, and motor drivers. Directing, teaching, and leading technicians will be a significant part of this work. Other responsibilities include general engineering support for the present operating accelerator system and long-term research and developmental projects.

Send resume and names of three persons as references to:

Robert Woodley, Asst. Director
Indiana University Cyclotron Facility
2401 Milo B. Sampson Lane
Bloomington, Indiana 47405
USA
(812) 335-9365

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Divisional Fellow in Experimental Particle Physics

The Lawrence Berkeley Laboratory is seeking an outstanding experimentalist in particle physics for appointment as Divisional Fellow in its Physics Division. The position has a term of up to five years, with the expectation that the Fellow's professional accomplishments and growth may lead to promotion to Staff Senior Scientist.

The Fellow will be expected to contribute substantial original research either in an on-going program at LBL or by initiating a new program. Major research efforts at present include participation in the CDF and DO detectors at Fermilab and in the MARK II, TPC and SLC Polarization projects at SLAC. In addition, Research and Development for advanced instrumentation techniques form an important part of the LBL program. Involvement in smaller scale projects is also possible. Applicants should have postdoctoral research experience and have demonstrated excellence in particle physics research. Salary level is \$ 3000 to \$ 4500/month.

Please send inquiries with professional resume, list of publications, and the names of four referees to:

Prof. G. H. Trilling
Lawrence Berkeley Laboratory, Bldg. 50-256
University of California
Berkeley, CA 94720

Applications should be received before Dec. 1, 1986. An Equal Opportunity Employer M/F/H.



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University of California at Santa Barbara

Experimental Particle Physics

The experimental particle physics group at the University of California, Santa Barbara, is seeking candidates for a postdoctoral research position. One-year appointment with possibility of limited reappointment on a yearly basis in accordance with applicable personnel policies and availability of funding. The group is now analyzing a sample of 10^8 events from Fermilab E691, a charm photoproduction experiment using a silicon microvertex detector. UCSB is also working on the construction of SLD which will be installed at the SLAC Linear Collider. Other activities of the group are the TPC/ 2γ experiment at PEP and a double beta decay experiment. Deadline for applications is November 30, 1986. Interested candidates should contact Professor M. S. Witherell, Department of Physics, University of California, Santa Barbara, CA 93106. The University of California is an equal opportunity/affirmative action employer.

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All enquiries to:

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CH-1211 Geneva 23 Switzerland
Tel. (022) 83 41 03 Telex 2 36 98

Physicists admire a 650-pound leatherback turtle during time off at the recent NATO Advanced Study Institute on Techniques and Concepts of High Energy Physics, held in St. Croix, Virgin Islands. The institute, a regular feature of the US particle physics calendar, coincided with the turtle egg-laying season, when amateur and professional environmentalists keep a watchful eye on this endangered species.

(Photo Richard Breedon)

Sussex University, UK, is organizing a Conference to celebrate Sir Denys Wilkinson's sixty-fifth birthday and to mark his retirement as Vice-Chancellor of the University. The Conference, sponsored by the European Physical Society and the UK Institute of Physics, is entitled *Interactions and Structures in Nuclei* and will be held from 7-9 September 1987. Further information from W.D. Hamilton, Physics Division, University of Sussex, Brighton BN1 9QH, England.

Promoting art and science

High energy physics Laboratories are often the scene of cultural events where science is not necessarily the dominant theme. CERN and Fermilab, for example, have excellent reputations for nourishing the cultural life of their surrounding communities.

Earlier this year an exhibition of photographs of great beauty was presented at CERN on the invitation of the Staff Association. The photographs, by Mimmo Iodice, were of Neapolitan paintings from the 17th Century. The exhibition was inaugurated by Professor Starobinski, in the presence of the Italian Ambassador and the President of the Italian Physical Society, Nicola Cabibbo.

The exhibition was under the auspices of the Istituto Italiano per gli Studi Filosofici which was founded by G. Marotta to promote the study of philosophy incorporating both humanistic and scientific thought. The Institute has been involved in a wide range of activities including the sponsoring of many seminars on scientific topics. These have not been limited to Italy but have also taken place in

other European countries and in the USA. The Institute has also financed young Italian scientists on Fellowships to allow them to work for extended times in the States.

There is close collaboration with the physicists of the University of Naples who help in the preparation of seminars and generally nurture the scientific part of the Institute's work. It is another example of the remarkable concern for scientific culture which is so manifest in Italy.



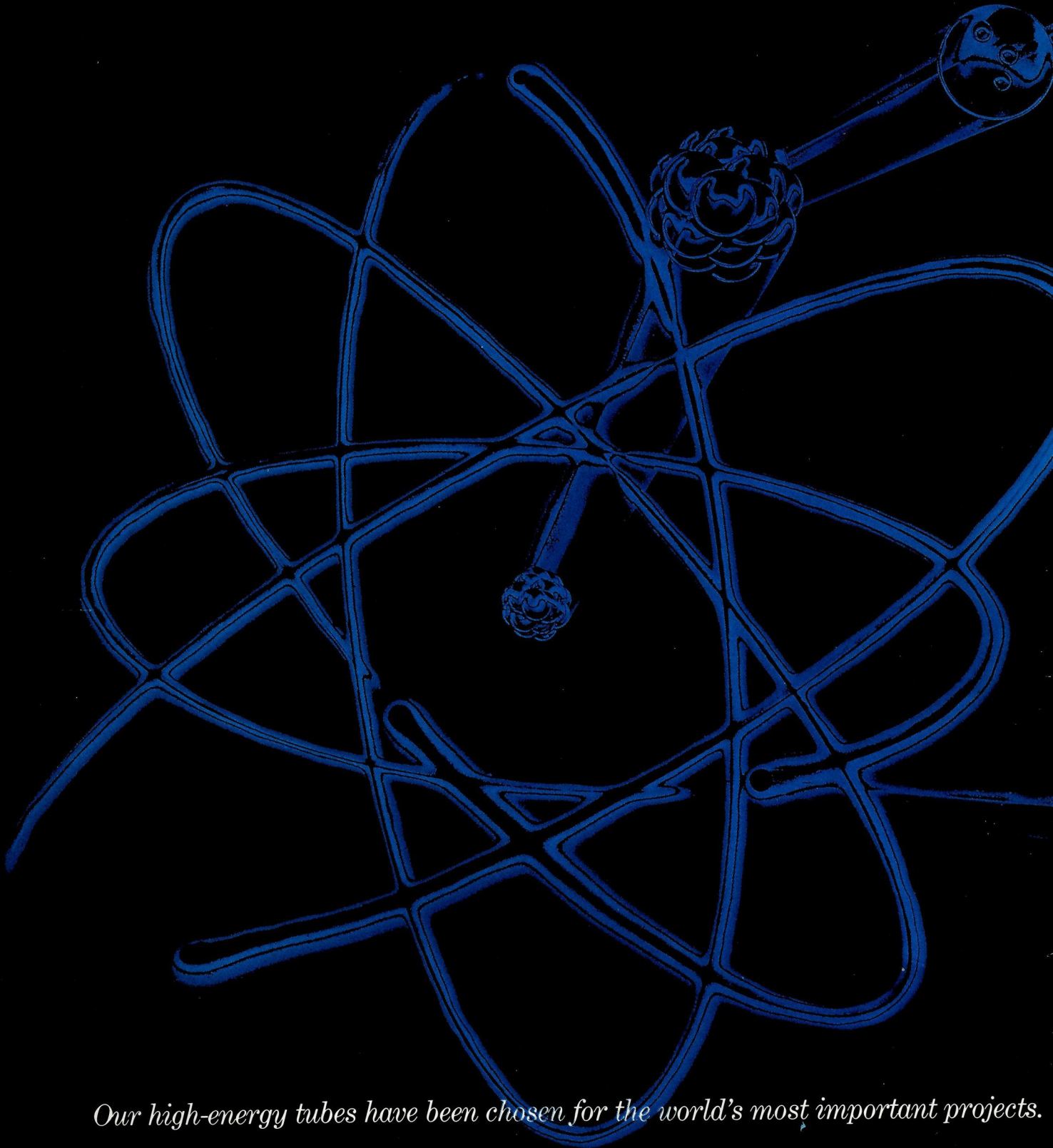
Astro-Particle physics

Following the success of the Symposium on Cosmology, Astronomy and Particle Physics organized jointly by CERN and the European Southern Observatory (ESO), now a regular feature of the physics international physics calendar, ESO and CERN are organizing an International School on Astro-Particle Physics at the Ettore Majorana Centre for Scientific Culture, Erice, Sicily, from 5-25 January. Further information: Astro-Particle School, TH Secretariat, CERN, 1211 Geneva 23, Switzerland. Potential applicants are advised to make contact as soon as possible.

Aspen organizer Sally Mencimer at the 25th anniversary in August of the Aspen (Colorado) Center for Physics where physicists from all over the world meet informally every summer to discuss specialized physics areas including particle physics, astrophysics, etc.

(Photo Schu Martin)

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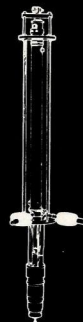
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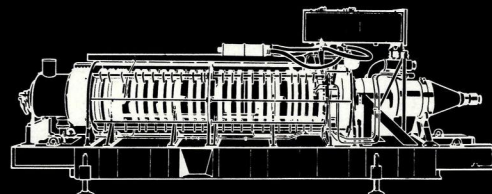


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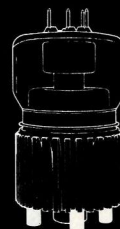
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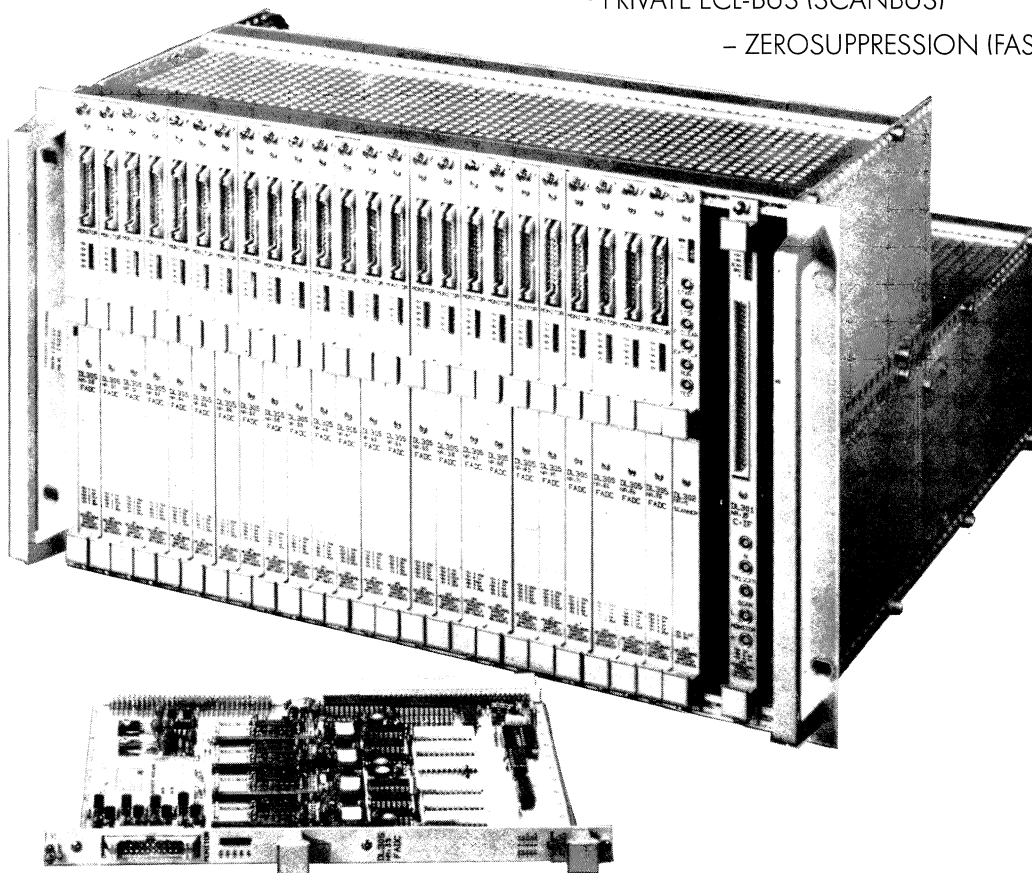
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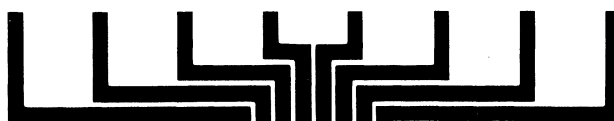
Messrs. UNITRONICS, Nieuwegien/NL
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