

People and things

panded, with, in a similar way to the microworld explanations, more on how our understanding of the macrocosmos has evolved. Problems like solar evolution and the solar neutrino puzzle are omitted.

The book could also have benefited from more material on experimental particle physics outside the United States and on the future possibilities of the LHC and linear colliders, rather than "The sad story of the SSC..."

Egil Lillestol

The Particle Hunters (2nd edition) by Yuval Ne'eman and Yoram Kirsch, Cambridge University Press, 300 pages, ISBN 0 521 47686 0 paperback, £14.95; 0 521 47107 9, hardback £40

The first English edition of this pleasant and readable book (originally published in Hebrew in 1983) appeared in 1986. It has since also appeared in Italian and German versions. The second edition includes brief details of recent developments such as the demise of the US Superconducting Super-collider (SSC) and the discovery of the top quark, together with a sketch of the emerging particle physics scenario worldwide. The authoritative chapter on quarks and the eightfold way, in which Yuval Ne'eman played an important role, is particularly lively.

Julian Schwinger, The Physicist, the Teacher, and the Man, edited by Y. Jack Ng, World Scientific, 194 pages, ISBN 981-02-25318 (hbk) £27, 981-0-25326 (pbk) £11

Julian Schwinger, who died in 1994, was one of the major architects of quantum electrodynamics, itself one of the major scientific achievements of the century. He was an impressive intellect, setting new standards in erudition and sophistication, and attaining a new stratosphere of reasoning. Legend has it that as a child he was reading Encyclopaedia Britannica from cover to cover, but was sidetracked at 'Physics'. In addition to his own physics contributions, the list of his graduate students reads like a 'Who's Who', including two who went on to win the Nobel prize themselves - Sheldon Glashow and Ben Mottelson (Schwinger shared the prize with Feynman and Tomonaga in 1965). This book puts together a number of Schwinger tributes, together with two papers by Schwinger at the University of Nottingham in 1993 to mark the 200th anniversary of George Green (of Green's functions). Many of the contributions make fascinating reading. Sheldon Glashow's account of how he was set on the path to electroweak unification is one of them.

Books received

Fortran 90/95 Explained, by Michael Metcalf and John Reid, Oxford University Press, ISBN 0-19-851888-9, 368 pages, £16.95 (hbk).

Michael Metcalf of CERN and John Reid of the Rutherford Appleton Laboratory provide complete revision of their original 1990 standard text Fortran 90.

Herbert Lengeler - high technology enthusiasm and versatility

On people

Among those elected members of the prestigious American Academy of Arts and Sciences this year are Sau Lan Wu of CERN and Wisconsin, and Helen T. Edwards and Michael Turner of Chicago and Fermilab.

Sam Ting of MIT and a long-term visitor to CERN was awarded the 1996 Engelberg Forum Prize for his contributions to physics.

Herbert Lengeler retires

Enthusiasm, versatility and selflessness have marked the multi-faceted career of Herbert Lengeler at CERN. Arriving from Aachen's Technische Hochschule in 1964, he helped develop radiofrequency separator systems for early secondary beams. Under a new CERN-Soviet agreement he formed part of CERN's effort to build special equipment for the new Serpukhov machine. Returning to CERN, his



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please see page III

UNIVERSITY OF OXFORD

Department of Physics



Fixed Term University Lectureship in Experimental Particle Physics

Applications are invited for a University Lectureship in Experimental Particle Physics, tenable for a fixed period of three years from 1 October 1996. The stipend will be according to age on the scale of £15,154 to £28,215 per annum. Further particulars (containing details of the duties and range of emoluments) can be obtained from the Deputy Administrator, Department of Physics, Nuclear and Astrophysics Laboratory, Keble Road, Oxford, OX1 3RH.

The present experimental Particle Physics research programme includes the DELPHI experiment at LEP (CERN) and ZEUS experiment at HERA (DESY), the SOUDAN 2 and MINOS experiment (USA), the Sudbury Neutrino Observatory (SNO) project (Canada), the development of cryogenic detectors and the CRESST experiment (Gran Sasso) plus the development of the ATLAS and LHC-B experiments in high energy pp physics. The appointee will be expected to participate in one of the above programmes, and preference will be given to candidates wishing to collaborate in the Sudbury experiment. The activities of the Oxford SNO group are concentrated on the development of software for the simulation and analysis of SNO data and on water treatment systems for the purification and assay of heavy and light water to one part in 10¹⁵ of dissolved uranium, thorium, and their decay products.

Letters of application should be sent to the Deputy Administrator at the above address, to arrive no later than 30 June 1996. The letter should be supported by a curriculum vitae, list of publications, a statement of research interests and teaching experience, plus the names of three referees. The referees should be asked to send references directly to Dr. G. Myatt, Acting Head of Particle and Nuclear Physics, at the above address to arrive by the closing date.

It is expected that short-listed candidates will be interviewed in Oxford in July 1996. Applicants are asked to indicate an e-mail address or fax or telephone number where they can be contacted.

The University exists to promote excellence in teaching and research and is an equal opportunity employer.

The formal approval of CERN's LHC proton-proton collider by CERN's governing body, Council, in December 1994, included provision for generous additional contributions from CERN's two Host States, France and Switzerland. The substantial French contribution, mainly earmarked for LHC, is the subject of a special agreement between CERN, the French Atomic Energy Agency (CEA) and the National Institute for Nuclear and Particle Physics (IN2P3). At the formal signing of this agreement in Paris in February were (left to right) IN2P3 Director Claude Detraz, CEA Administrator General Yannick d'Escatha and Guy Aubert, Director of the National Scientific Research Council (CNRS).



attention turned towards the demanding technology of superconducting radiofrequency acceleration cavities, where his efforts, with Philippe Bernard, helped blaze a long and sometimes difficult trail which eventually led to the development of the modules now being installed to boost LEP's energy. En route, Herbert Lengeler's special expertise in this sector has been shared by a number of major Laboratories eager to exploit this new technology.

Most recently, dividing his time between CERN and Jülich, he has become a guiding light in the new European Neutron Spallation Source project. In parallel with his technological achievements he has been a prominent voice in CERN affairs, safeguarding the interests of others. Looking back on his high technology accomplishments with justifiable pride.

Herbert Lengeler acknowledges the challenges of physics, and the skills available at CERN met them.

Coming from a German-speaking minority in multi-cultural Belgium, Lengeler explains that he was pre-sensitized to the international CERN environment.

Chalk River Accelerators

On 7 March Atomic Energy of Canada announced that, as a result of reductions in funding from the Canadian Federal Government, all funding for the accelerator physics program at the Chalk River Laboratories (CRL) would end at the end of June.

The CRL Accelerator Physics Branch was formed in 1967 during the days of the ING (Intense Neutron Generator) accelerator programme. Over almost three decades it has concentrated on high-power cw linacs, superconducting cyclotrons and industrial applications of accelerators.

The small group of CRL accelerator physicists were often staffed below the critical size required to generate in-house many of the sophisticated "tools" (beam and cavity codes, fabrication techniques, etc.) needed for accelerator R&D and have been dependent on the generosity of the international community in sharing their knowledge and expertise.

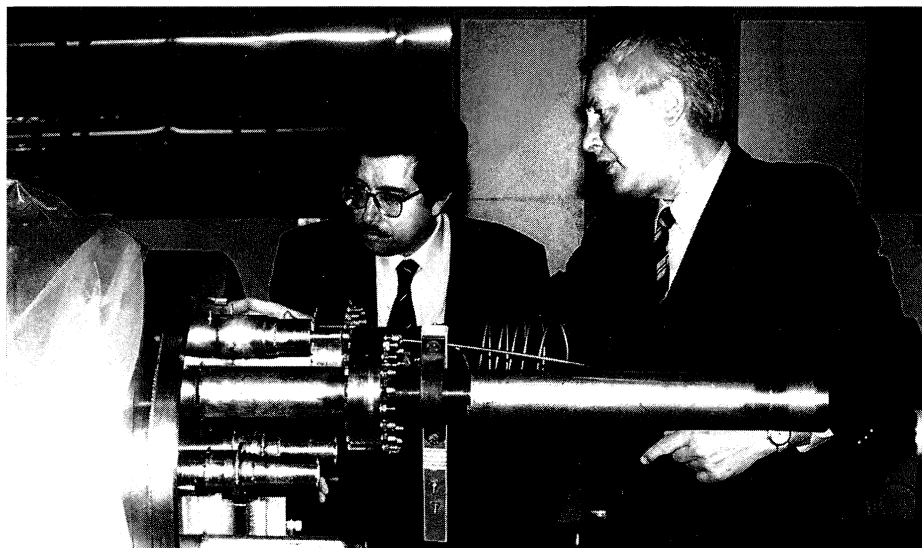
On behalf of the past members of the Branch and the ones now leaving the exciting profession of accelerator

physics, Jim Ungrin, last head of the CRL accelerator group, expresses his gratitude to the community for its assistance and support and for its past collaborations.

Igor M. Ternov (1940-1945)

Distinguished Russian theorist Igor M. Ternov died on April 12 after a sudden heart attack. A World War II veteran, he graduated from Moscow State University in 1951 and spent his entire career there. A world renowned expert in the theory of synchrotron radiation, Igor Ternov was the author of more than 300 scientific papers, 5 monographs and 10 textbooks. He developed a new field - the theory of quantum processes in strong external fields based on exact solutions of relativistic wave equations. His investigations led him to the discovery of new quantum effects in macroscopic particle motion: quantum fluctuations of electron trajectories in accelerators, the effect of radiative polarization of electrons and positrons in a magnetic field (Sokolov-Ternov effect), dynamic character of the electron anomalous magnetic moment, "spin light", etc. An outstanding organizer of education and research at MSU, the chairman of MSU Physical Society, and for 15 years the vice-rector of MSU, he was first the head of quantum theory, then of the theoretical physics departments. Although he said, self-deprecatingly, that he did not have a good feel for experiments, he took a lively interest in new developments and attended many of the biennial high energy spin physics symposia. He is reported to have been 'delighted' that the spin effects he helped predict have been put to good use at LEP at CERN and

Portuguese Minister for Science and Technology Jose Mariano Gago (left) inspects a prototype superconducting magnet for CERN's forthcoming LHC collider with LHC Project Director Lyn Evans. As prominent particle physicist, Professor Gago played a vital role in his country's decision to join CERN.



at HERA at DESY. A brilliant lecturer, he was popular with many generations of students. Igor Ternov was a warm-hearted man with a highly developed sense of humour, always ready to extend help. He lives in the memory of all of those who worked with and admired him, and his scientific school will remain as a lasting monument.

Thomas L. Collins 1921-96

Thomas L. Collins, a veteran of the Cambridge Electron Accelerator (CEA), died in January, age 74. Joining Stanley Livingston's team at the CEA in 1957, he went on to introduce a method for integrating long straight sections equipped with quadrupoles into the architecture of strong focusing rings. In 1967 he was one of the first to join the Fermilab payroll, where he played an important role in analytic optics. Retiring from Fermilab in 1988, in 1994 he was awarded the American Physical Society's prestigious Robert R. Wilson Prize for his particle accelerator work.

Alfred Fridman 1932-96

Alfred Fridman, a driving force in French physics, died suddenly in Mexico on 24 March where he was spending a few months as the guest of the Polytechnic Institute. Graduating from the Ecole Spéciale de Mécanique et d'Electricité, he switched to physics research after attending Zurich and Neuchatel, where, in 1964, he submitted his thesis on strange particle production, researched at CERN. But it was at the Centre for Nuclear Research (CRN) in Strasbourg where his scientific work really gained momentum and where he set up the first group there to analyse photographs from light-liquid bubble chambers, including exposures to antiproton beams at CERN and Brookhaven, and joint efforts with European, Israeli, American and Russian laboratories. CRN's reputation in high energy physics stems first and foremost from his group.

Alfred Fridman 1932-96

After leaving Strasbourg in 1978, he worked on neutrinos at Argonne, and since 1980 on electron-positron interactions at DESY and SLAC. He was well respected for his pioneering investigations of new ideas and experimental possibilities. Ultimately Research Director of the Laboratoire de Physique Nucléaire et des Hautes Energies at the Pierre et Marie Curie University, Paris VI-VII, and seconded to CERN, his novel contributions to preparations for a deeper exploration of B physics at CMS were greatly appreciated for their originality.

He was a gifted teacher, not only through his training of research physicists (supervising over twenty doctoral theses), but through his lecturing. His passion for physics led him to organize many international conferences, the last in Strasbourg in September 1995, with collaboration from CERN, CRN and DESY, on beauty, charm and hyperons, and was Chairman of a conference on the same theme to be held in Montreal in August. He was also playing a key role in groundwork for a teaching programme at a future European Scientific Institute.





Victor Ogievetsky 1928-96

Victor Isaakovich Ogievetsky, a leading Russian theoretical physicist who specialized in the application of symmetry principles to particle physics, died in Moscow on 23 March. Born in Dnepropetrovsk, he received his PhD at Moscow's Lebedev Institute and after 1956 spent most of his working life at the Bogoliubov Laboratory of Theoretical Physics at the Joint Institute for Nuclear Research, Dubna. During his long and distinguished career he

The World Wide Web was designed to enable physicists to access information, wherever they were or wherever they worked. With the Web quickly outgrowing its physics origins and going on to become the Internet sensation of the 1990s, in many sectors CERN has become best known as 'the home of the Web'. The dizzy rate of Internet and Web progress has its own special timescale - at CERN, the 'Next' cube on which the first Web browser was developed in 1990 is now a museum piece.

How the Web was won. CERN's Robert Cailliau speaks at the 1995 awards ceremony of the Association for Computing Machinery (ACM), where he shared the prestigious Software System Prize with Tim Berners-Lee, formerly of CERN and now at MIT, for their invention of the World Wide Web. Behind Robert are (left to right) Gene Hoffnagle of IBM, Eric Bina of Netscape, who shared another ACM prize with Marc Andreessen for their development of the NCSA Mosaic Web browser, and ACM President Stuart Zweben.



The Paul Scherrer Institut (PSI) is a national, multidisciplinary research organization for science and engineering. In order to complement the existing research installations it is now envisaged to build a 2.5 GeV Synchrotron Lightsource for Switzerland (SLS) at PSI. This facility will provide electromagnetic radiation of unprecedented brilliance for research fields in physics, chemistry, biology, medicine and material science.

The planning phase of this project has now started. We seek to recruit for our planning team a

PHYSICIST/ENGINEER

for design, specification and procurement of the beam diagnostic elements (electron- and photonbeam position monitors, current monitors, tune- and profilmonitors).

We expect the successful candidate to hold an university degree in physics, electronics or optics and to have several years of professional experience on particle accelerators, preferably in beam diagnostic. The candidate should be fluent in German and English and should have good capabilities in supervision, organization and teamwork.

The position requires full dedication to the project and leaves ample space for own initiatives. It opens the possibility to co-shape the SLS project right from the beginning.

If this is the challenge you looked for then send your application including curriculum vitae, diplomas, list of publications and references to

Paul Scherrer Institut, Personnel Division, reference code 0200/039, CH-5232 Villigen PSI

E.O. Lawrence Berkeley National Laboratory

POSTDOCTORAL POSITION IN PARTICLE PHYSICS

The Physics Division at E.O. Lawrence Berkeley National Laboratory has an opening for a postdoctoral physicist in the BaBar group. The BaBar experiment is currently in the construction phase, with first data expected in early 1999. Berkeley has major commitments in the following areas: BaBar silicon vertex detector, DIRC particle ID system, DAQ, trigger and computing (on-line, simulation, reconstruction).

Applicant should have a Ph.D. in particle physics and demonstrate strong potential for outstanding achievement as an independent researcher. This is a two-year appointment with the possibility of renewal. The salary is \$3135-\$3960/month. Please submit a resume together with a publication list and at least three references to: **Dr. Morris Pripstein, c/o Personnel Administrator, Job #4179, E.O. Lawrence Berkeley National Laboratory, 1 Cyclotron Road, Mail Stop 50E-301, Berkeley, CA 94720.**

Applications will be accepted until Oct. 1, 1996, or until the position is filled. *LBNL is an affirmative action/equal opportunity employer. Minorities and women are encouraged to apply.*



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The Theoretical Particle Physics Group of the **Höchstleistungsrechenzentrum HLRZ**, with locations at KFA-Jülich and DESY-Zeuthen, announces the opening of a

Postdoctoral Position

for a period of 2 years (with the possibility of extension to a third year), starting from October 1996.

The interest of the Group lies in nonperturbative and numerical quantum field theory. Its main focus is on large scale QCD simulations on massively parallel computers, aiming at the determination of the static properties of the elementary particles.

The Group has access to a 140-node Paragon and 512-node Cray T3E, both operated by KFA in Jülich, and two 256-node Quadrics QH2 parallel computers operated by DESY in Zeuthen. It participates, together with DESY-Zeuthen and the Universities of Wuppertal and Bielefeld, in the development of a teraflop computer led by the INFN groups in Rome and Pisa.

The candidate is expected to actively collaborate in the APEmille teraflops computer project, while being integrated into one of the QCD physics projects running on Quadrics hardware. An APEmille development board will become available in summer 1997. The position will be based in Zeuthen near Berlin.

Applicants should send their curriculum vitae with a brief description of their research interests, and arrange for two letters of reference to be sent to:

Prof. K. Schilling
Group Leader - Theoretical Particle Physics Group
HLRZ c/o KFA Jülich
P.O. Box 1913
D-52425 Jülich, Germany

Application materials should be received no later than **21.06.96**. For further information, please contact (schillin@hlrserv.hlrz.kfa-juelich.de). **Handicapped applicants with equal qualifications will be preferred. DESY encourages especially women to apply.**

On 19 March, an event at CERN's Theory Division marked the 70th birthday of Yoshio Yamaguchi (left), who many years ago was one of the first Japanese to work at CERN and who over the years has played a vital role in promoting CERN - Japan relations. Seen here with Yoshio and his wife Yoriko is CERN Theory stalwart Torleif Ericson.



published some 160 papers and created an active school.

In the 1960s he introduced new approaches to gauge fields and later showed how Einsteinian gravity can be interpreted in terms of non-linear realizations of certain groups. Following its appearance in the early 1970s, he made notable contributions to supersymmetry, including a geometrical formulation of supergravity. In the early 1980s he and his group introduced the fruitful notion of harmonic superspace. He received the Tamm prize of the USSR Academy of Sciences in 1987 and the von Humboldt award in 1992.

ITEP School of Physics

The XXIV ITEP School of Physics (the third year of the school in its international format) took place from 20-28 February not far from Moscow at Snegiri on the river Istra. This time the school was mostly devoted to the theoretical side of high energy physics: basics and recent advances in gauge and supersymmetric theories, field theory at finite temperature, critical phenomena and baby universes, different problems of high energy scattering

as well as supernova formation. Both experimental prospects and theoretical aspects of higgs physics were covered. About 75 students and professors from eleven countries participated. Beside main lecture courses there were short presentations by students on their research activity.

Accelerator Schools

The CERN Accelerator School (CAS), with the Laboratório de Instrumentação e Física Experimental de Partículas, Lisbon, is organizing an Introduction to Accelerator Physics, to be held from 21 October - 1 November in Cascais, Portugal. This course is aimed at staff in laboratories, universities and manufacturing companies associated with particle accelerators.

Further information from Mrs. S. von Wartburg, CERN Accelerator School, AC Division, 1211 Geneva 23, Switzerland. E-mail cas.estoril@cern.ch, fax +41 22 767 5460, WWW <http://www.cern.ch/Schools/CAS/>

The Joint CERN-US-Japan Accelerator School is organizing a course 'Frontiers of Accelerator

Technology: RF Engineering for Particle Accelerators' from 9-18 September in Shonan Village, Hayama-machi, Japan. Further information from e-mail cas.japan@cern.ch or as above.

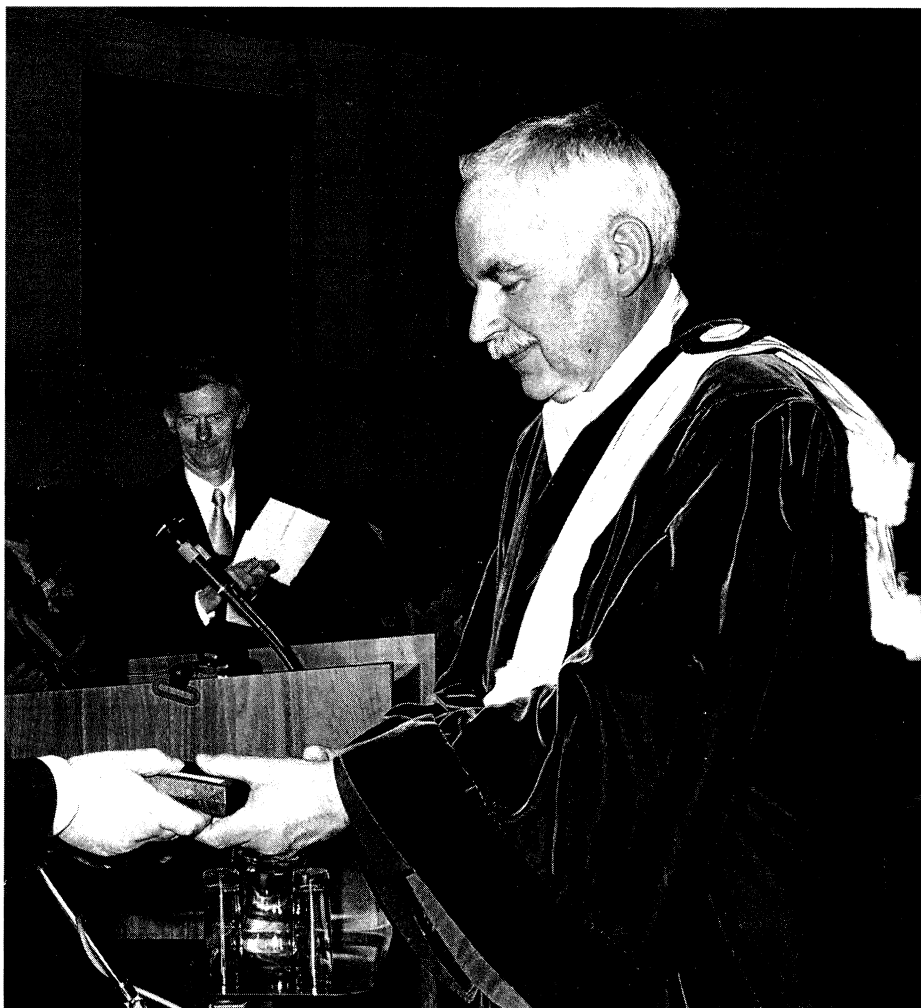
Bruno Pontecorvo Prize

The 1995 and first Bruno Pontecorvo Prize, established by the Joint Institute for Nuclear Research (JINR) Dubna, was awarded to Ugo Amaldi on 19 January (March, page 29). The 1996 Bruno Pontecorvo Prize awarding ceremony will take place next January. The prize is awarded to a single scientist, or exceptionally to a group of up to three scientists, for outstanding research in particle physics.

Those wishing to be considered should send a brief abstract of their research, if possible enclosing copies of major papers, to be received not later than 1 August, to: Prof. S. Bunyatov, Joint Institute for Nuclear Research, Laboratory of Nuclear Problems, 141 980 Dubna, Moscow region, Russia. Phone: (709621) 65880, Fax: (709621) 66666, E-mail: bunyatov@ljap9.jinr.dubna.su

Meetings

The (Euro)conference International series in Quantum Chromodynamics, QCD 96, will be held from 4-12 July in Montpellier, France. Contact: S. Narison (chairman): narison@lpm.univ-montp2.fr or QCD secretariat: qcd@lpm.univ-montp2.fr LPM, Université Montpellier 2, Place Eugène Bataillon, 34095 Montpellier Cedex 2, France.



Achim Richter, Director of the Institut für Kernphysik at Darmstadt's Technische Hochschule and Chairman of CERN's ISOLDE Experiments Committee, received an honorary doctorate from the University of Gent, Belgium, on the occasion of the University's 'Dies Natalis' on 22 March for his work in nuclear physics and his continuing efforts to support high quality basic research at CERN's ISOLDE on-line isotope separator.

Jaipur, India, from 17-21 March 1997. This conference is a continuation of a highly successful series organized in India, first in 1988 at Bombay and in 1993 at Calcutta. Further information from ICPA-QGP '97, Variable Energy Cyclotron Centre, 1/AF, Bidhan Nagar, Calcutta 700064 (India). Tel: 91 33 3370032/1230, Fax: 91 33 3346871. Telegram: VECBARC CALCUTTA, Telex: 21-4526 VECC IN E-Mail : icpaqgp@veccal.ernet.in

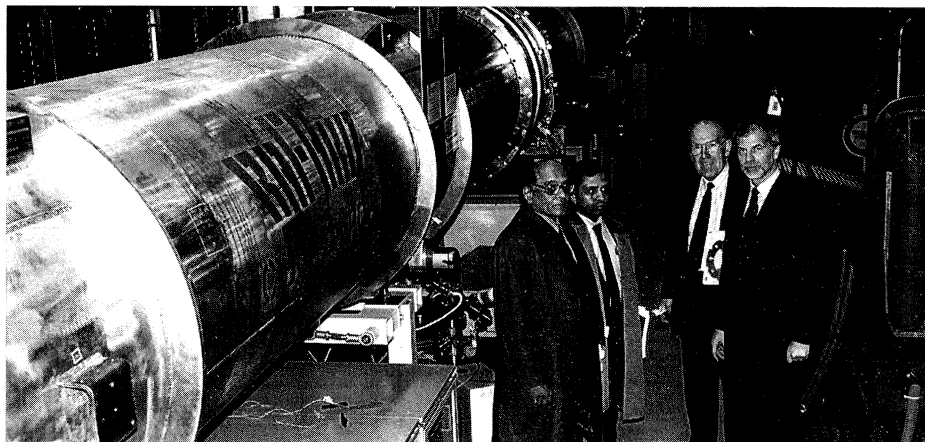
Help!

During a short visit in Madagascar, Stephan Narison was very disappointed by the conditions under which physicists (nuclear, solid states, solar energy, geophysics) there are working. A future access to internet is being planned by the government within the next few months. However, there is also a strong need for traditional information such as reviews and books. If anyone has some of these reviews and materials which they do not need anymore, Madagascar physicists will be happy to use them. Contact Stephan Narison, LPM, Université Montpellier 2, Place Eugène Bataillon, 34095 Montpellier Cedex 2, France, email: narison@lpm.univ-montp2.fr

A Topical Workshop on Neutrino Physics will be held at the Institute for Theoretical Physics at the University of Adelaide, Australia from October 31 until November 6. Information is available at the WWW site (<http://www.physics.adelaide.edu.au/itp/workshops/neutrino.html>)

or from the director Prof. A W Thomas email sjohnson@physics.adelaide.edu.au fax: +61 8 303 3551.

The third International Conference on Physics and Astrophysics of Quark Gluon Plasma will be held at



R. Chidambaram (left), Chairman of the Indian Atomic Energy Commission, with Deputy Secretary V. Ashok admires the string of prototype superconducting magnets for CERN's LHC collider with CERN's LHC Division Leader Jean-Pierre Gourber and Roberto Saban (extreme right).

(Photo CERN HI 14.03.96)

RHIC COMPUTING FACILITY HEAD

Brookhaven National Laboratory seeks an experienced scientist, with a good understanding of current and emerging computer technology (especially as applied to the handling of data from large detector systems) and demonstrated management skills, to assume the position of Head of Computing for the Relativistic Heavy Ion Collider (RHIC).

RHIC is now under construction at Brookhaven, and is scheduled to begin operation in 1999. Four major detector collaborations involving some 800 scientists from universities and laboratories around the world are preparing experimental research programs utilizing these high energy, high intensity colliding beams to explore heretofore unobserved states of nuclear matter, including the deconfined state known as a quark-gluon plasma. These experiments represent extraordinary challenges for data handling and analysis, and Brookhaven is implementing a computing facility to meet these needs.

Starting with existing infrastructure, a central computing facility dedicated to the RHIC experiments is being formed which is expected to grow to a processing power of approximately 200 Gigaflips, handling 500 Terabytes of data per year by early 1999, with a staff of about 35 scientists, computing professionals and support personnel. The Head will have responsibility for directing the development, growth and operation of the new facility, as well as articulating the computing needs and directions for this important segment of nuclear science research.

Please send applications or nominations for this position to: Thomas W. Ludlam, Search Committee Chair, RHIC Project Office, Bldg. 1005, Brookhaven National Laboratory, Upton, NY 11973. ludlam@bnl.gov BNL is an equal opportunity employer committed to workforce diversity.



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The high energy physics group at Cornell University has an opening for a Research Associate to work on the CLEO experiment at the Cornell Electron Storage Ring (CESR). Our research concentrates on the physics of the B meson, as well as charm, tau, and two-photon physics. We are currently pursuing a major detector upgrade and anticipate that the person filling this position will contribute to this project.

This is normally a three-year appointment with the possibility of renewal beyond that, subject to mutual satisfaction and the availability of funds under our NSF contract. A Ph.D. in experimental elementary particle physics is required. Please send an application including curriculum vitae and publication list and arrange for at least two letters of recommendation to be sent to:

Prof. Persis S. Drell
Cornell University
Newman Laboratory
Ithaca, NY 14853-5001

E-mail to: SEARCH@LNS62.LNS.CORNELL.EDU

Cornell University is an equal-opportunity, affirmative-action employer: women and minorities are encouraged to apply.

The Paul Scherrer Institut (PSI) is a national, multidisciplinary research organization for science and engineering. In order to complement the existing research installations it is now envisaged to build a 2.5 GeV Synchrotron Lightsource for Switzerland (SLS) at PSI. This facility will provide electromagnetic radiation of unprecedented brilliance for research fields in physics, chemistry, biology, medicine and material science.

The planning phase of this project has now started. We seek to recruit for our planning team a

PHYSICIST/COMPUTER SCIENTIST

for the design of the SLS controlsystem for the accelerators and beamlines, the procurement of the components and their hard- and software integration and the definition of the interfaces. Later on emphasis will change to commissioning, maintenance and permanent upgrade of the system.

We expect the successful candidate to hold an university degree in physics or computer science, to have several years of professional experience in design and realization of controlsystems, to be familiar with UNIX, object oriented programming, VME, TCP/IP and industrial bus systems.

He/she should be fluent in German and English. Experience in supervision and team capabilities would be appreciated.

The position requires full dedication to the project and leaves ample space for own initiatives. It opens the possibility to co-shape the SLS project right from the beginning.

If this is the challenge you looked for then send your application including curriculum vitae, diplomas, list of publications and references to

Paul Scherrer Institut, Personnel Division, reference code 0200/065, CH-5232 Villigen PSI

RESEARCH ASSOCIATE POSITION HIGH ENERGY PHYSICS THE OHIO STATE UNIVERSITY

The experimental high energy physics group at The Ohio State University invites application for a postdoctoral research associate position with our CLEO program at CESR. In addition to our ongoing data analysis effort in heavy flavor physics, we are also involved with the CLEO III upgrade program where we have major responsibilities for the design and implementation of the silicon vertex detector and the data acquisition system. Interested candidates should send a letter of application, vitae, list of publications, and three letters of recommendation to Professor K. K. Gan, The Ohio State University, Department of Physics, 174 West 18th Avenue, Columbus, Ohio 43210-1106. The Ohio State University is an equal opportunity employer and we actively encourage applications from women and minority candidates.

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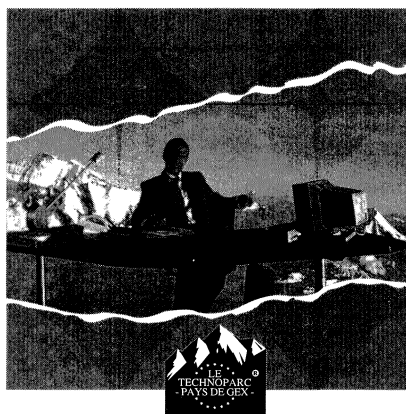
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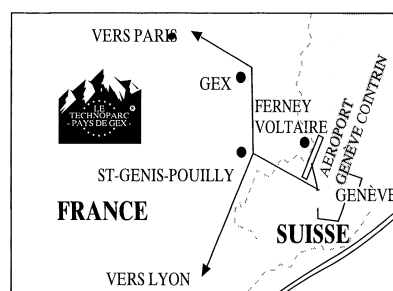
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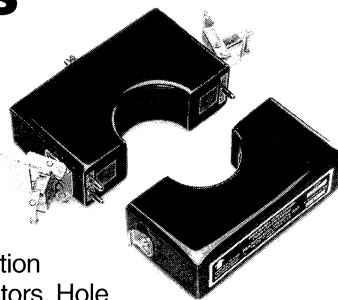
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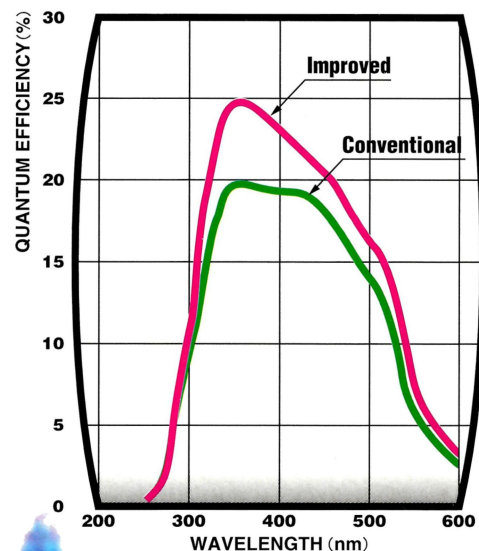
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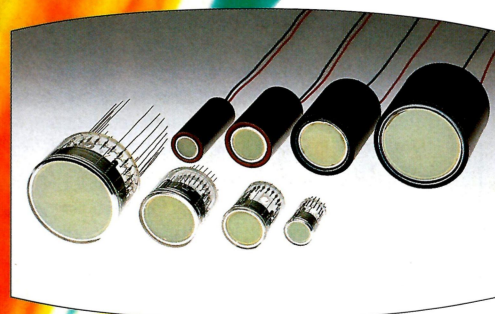
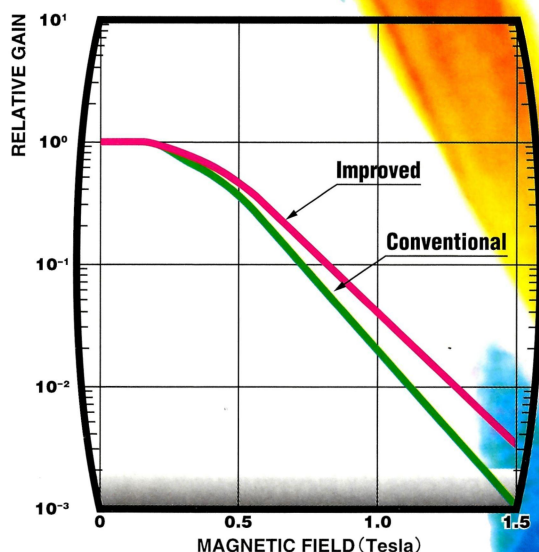
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