

People and things

On her visit to CERN in August 1982, UK Prime Minister Margaret Thatcher is seen here accompanied by then CERN Director General Herwig Schopper (right) and Alan Astbury, recently named Director of the TRIUMF Laboratory in Vancouver, succeeding Erich Vogt.
(Photo CERN 116.8.82)

designed and manufactured at ITEP has been delivered to GSI and is now available for joint experiments.

The spectrometer was developed for 300 MeV/nucleon argon 17+ and argon 18+ beams in experiments probing the high energy density of matter at GSI's SIS heavy ion synchrotron.

The main purpose of the spectrometer is to provide the energy loss measurements of heavy ions in gold and aluminium targets. The energy losses of the beam reflect the time evolution of the target density.

The spectrometer consists of two 12.3 Tesla metre H-type dipole magnets and two vacuum chambers. The top and bottom chamber walls are of soft magnetic iron, giving a magnetic field density of some 15 T at 500 A in the 50 mm gap.

ITEP Moscow is looking to provide similar such equipment.



Magnet parameters

Bending angle	7.5 degree
Magnetic rigidity	12.3 Tm
	(vacuum gap)
Radius of curvature	8 m
Air gap	80 mm
Vacuum gap	50 mm
Pole width	170 mm
Pole length	1000 mm
Total length	1285 mm
Number of windings	144
Maximum current	535 A
Weight	3.5 T

Vacuum chambers

Vacuum pressure (tested)	10^{-6} torr
Gap (vacuum)	50 mm
Total length	1440 mm
Weight	65 kg

TRIUMF Director

Alan Astbury, R.M. Pearce Professor of Physics at the University of Victoria, British Columbia, and Director of the Canadian Institute of Particle Physics, has been named Director of the TRIUMF Laboratory in Vancouver, succeeding Erich Vogt, who stepped down on 1 April after a 13-year term.

Alan Astbury won the Rutherford Medal of the UK Institute of Physics in 1986 for his role in the UA1 experiment at CERN, where he was Carlo Rubbia's co-spokesman from 1980-3, and in the discovery of the W and the Z bosons. A frequent visitor to CERN, Alan served as Chairman of the Proton Synchrotron Experiments Committee from 1976-8 and was a founding member of the LEP Experiments Committee from 1982-5.

Fermilab people

Tom Nash, former head of Fermilab's Computing Division, becomes the Laboratory's Associate Director for Scientific Technology and Laboratory Information.

Josh Frieman becomes head of Fermilab's Theoretical Astrophysics Group, taking over from Rocky Kolb.

Proton performance at DESY

On 10 March, the DESY III proton machine in Hamburg accelerated for the first time a well behaved nominal design current of 167 milliamps, thanks to a novel longitudinal multibunch feedback system, based on transverse kicker magnets, to



Bulgarian President Zhelyu Zhelev (left) visited CERN on 9 March, where he was greeted by Director General Christopher Llewellyn Smith. (Photo CERN HI19.3.94)

and the afternoons for contributions, both experimental and theory. The symposium is sponsored by the Royal Academy of Sciences through its Nobel Committee for Physics. Information from internet astpart@vana.physto.se.

combat beam instabilities. This imaginative solution overcomes an inherent DESY III obstacle which had long been blocking the route to improved performance.

With a damping time of only 30 milliseconds, the system suppresses awkward beam oscillations which would otherwise interfere with subsequent injection into the PETRA ring, the next stage of proton acceleration en route to proton beams in the HERA electron-proton collider.

Without the feedback system, DESY III proton current had in fact attained a higher level, 180 mA, but only about a third of the particles could be extracted for the subsequent stages of acceleration. The higher proton current should increase HERA electron-proton collision rates.

Meetings

The international workshop "Quark confinement and the hadron spectrum" will be held in Como, Italy, from 20-24 June. Deadline for registration and submission of abstracts is 15 April. Further information: Dr. Nora Brambilla, Dipartimento di Fisica, Via Celoria 16, 20133 Milano, Italy; Phone: +39-2-2392-723; fax: +39-2-2392-480; e-mail: N.BRAMBILLA@MILANO.INFN.IT

A 'Trends in Astroparticle physics' symposium will be held in Stockholm from 22-25 September. Morning sessions will be for invited speakers

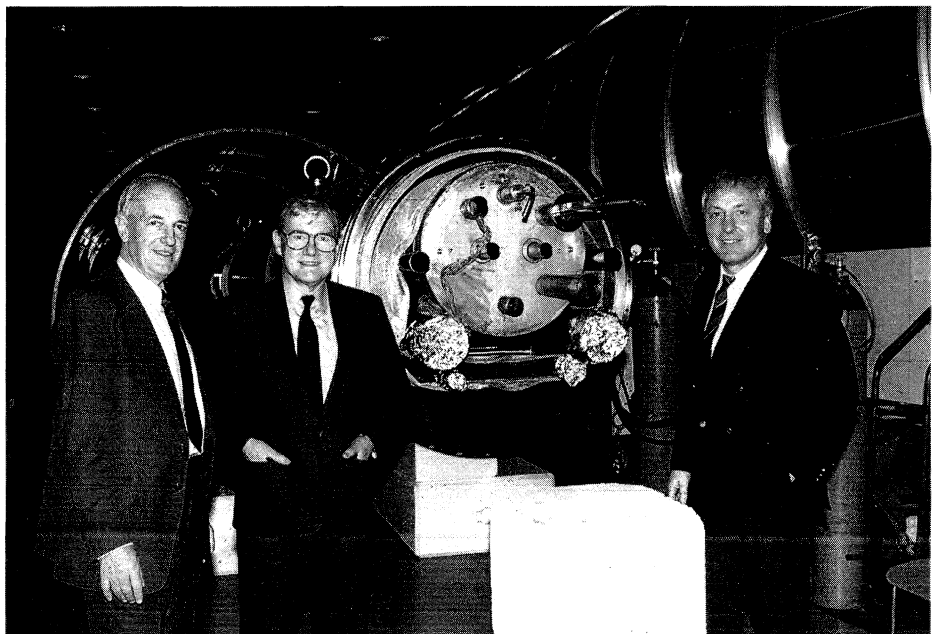
Correction

Alert readers soon spotted an unfortunate error in the picture caption on page 23 of the April issue, which in fact showed stochastic cooling pioneer Simon Van der Meer (left) with muon cooling proponent Swapna Chattopadhyay from Berkeley. The picture had been correctly captioned at CERN before the issue went to press. Our apologies to all concerned.

Visiting CERN on 25 February, Director General for UK Research Councils Sir John Cadogan (centre) admired the large superconducting magnets being developed for CERN's LHC proton-proton collider. With him were CERN's Associate Director for Future Accelerators Lyndon Evans (right) and outgoing Chairman of the UK Nuclear Physics Board A. ('Sandy') Donnachie. (Photo CERN H38.2.94)

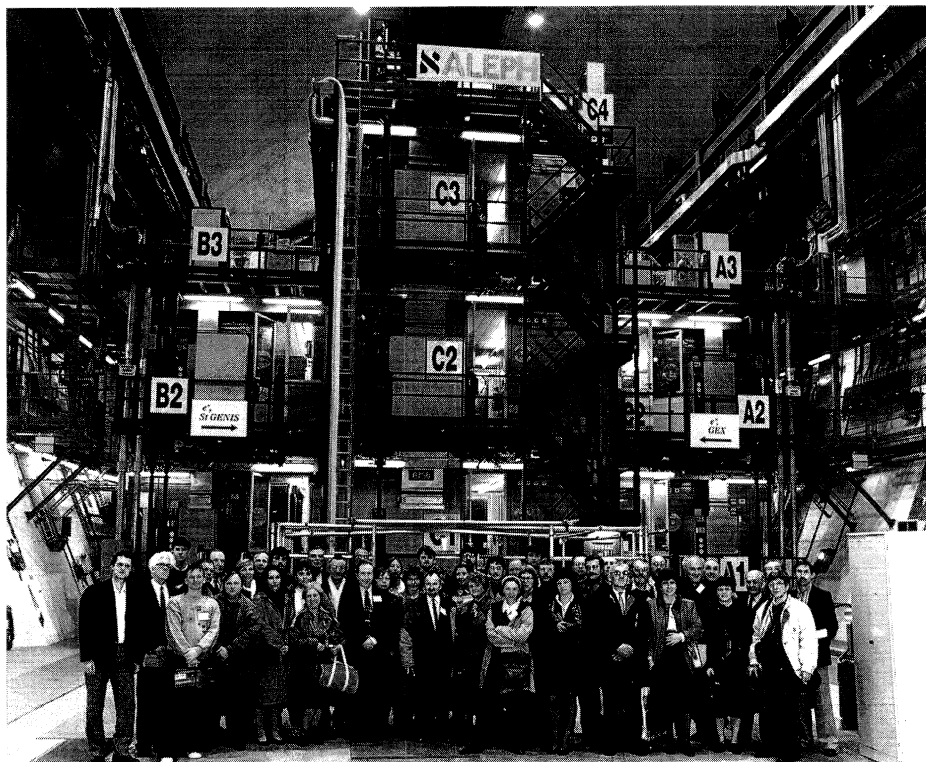
Eberhard Wieczorek

Eberhard Wieczorek, theoretical physicist in the former Institute for High Energy Physics of the East German Academy of Sciences in Zeuthen, now DESY-Zeuthen, and a Professor at the Humboldt University in Berlin, died in February at the age of 56. He worked on various problems of quantum field theory; much of his work was done in Dubna. He was one of the driving forces behind the annual Ahrenschoop Symposia which provided rare but valuable occasions for East-West German contact.



Top - Quarks in the Curriculum - physics teachers from Finland and Hungary got together at CERN from 26 February - 1 March. Away from the sessions, their sightseeing included a visit to the Aleph experiment at the LEP electron-positron collider. More Quarks in the Curriculum workshops are planned for teachers from other CERN Member State nations.
(Photo CERN GE8.3.94)

Below - Retiring from CERN, distinguished theorist Sergio Fubini returns to his chair at Torino. Celebrating the occasion with him (second from right) in Torino in February were CERN theory colleagues (left to right) André Martin, Tai Tsun Wu and Maurice Jacob.



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Applications should be sent to :

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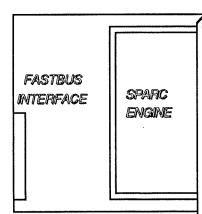
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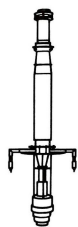
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