

Bahrenfeld: 750 years

The one-week festival of this district will include an event on September 9, starting at 12 h in Otto von Bahrenpark. DESY will contribute vivid science showing a “hovering train” to explain the principle of superconductivity.

Hertz Lecture 2006

Prof. Leonard Susskind (Stanford Univ.), one of the fathers of string theory, will hold a lecture on “The Cosmic Landscape: String Theory and the Illusion of Intelligent Design” on September 27. It starts at 17:30 h in the DESY Auditorium.

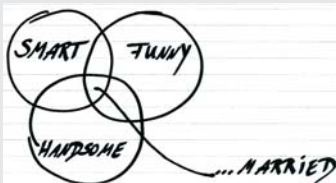
New Apprentices

On September 1, DESY welcomed 35 new apprentices, 30 in Hamburg and 5 in Zeuthen. They will receive vocational training in various commercial and non-commercial fields.

Concert at DESY

On September 11, the “Peter and Paul Choir” from St. Petersburg sings at DESY. The concert includes Russian folk songs and serenades and takes place at 20 h in the DESY Auditorium. Entrance free.

Editorial



The intersection on the sketch shows “Mr. Right”—only that he is already taken. With the new staff magazine “DESY inForm”, we hope to do the “Right” thing (and we promise that in case an issue is out of stock, it will be reprinted). The aim of “DESY inForm” is to get such an intersection—a sound mixture of topics combining new developments in the scientific area with news from everyday life at DESY. The information magazine is addressed to all DESY staff—from apprentice to (guest) scientist. Of course it is available in German and English. Since information is also related to regularity, from now on “DESY inForm” will be released every first Thursday of the month.

Happy reading!
Your editorial staff

DESY is a “Beacon for Science”

Federal President Horst Köhler visits DESY

On the first stop of his Hamburg visit on Wednesday, August 23, German Federal President Horst Köhler has come to DESY, where he has taken a tour of the FLASH experimental hall and tunnel in the company of his wife, Eva Luise Köhler, and the First Mayor of the City of Hamburg, Ole von Beust. DESY Director Prof. Albrecht Wagner welcomed the Federal President together with the President of the Helmholtz Association Prof. Jürgen Mlynek and other members of the DESY Directorate.

Horst Köhler was very impressed by the FEL facility, which, with its superconducting TESLA accelerator technology, plays a leading role not only for the XFEL, but also for the planned International Linear Collider (ILC). After the tour, in the presence of more than 40 journalists, Horst Köhler signed the visitors' book, filling an entire page: “A beacon for science



Albrecht Wagner introduces Federal President Köhler to the subtleties of FLASH.

in Germany, also due to the cooperation with scientists and institutes from all over the world. This is something we can be proud of, and

which merits every kind of support. I specially liked the enthusiasm of the scientists and the students. This provides the basis for the future.”
(tz)



In the next issue, you can read more about how the superconducting accelerator technology unites the world at DESY and we report on the new module test facility which will test the last module for FLASH.

Modulator Test Facility in Zeuthen

The future project XFEL is also receiving substantial support from DESY in Zeuthen

Important elements of the XFEL linear accelerator are the high frequency stations. The most important components—modulator, pulse transformer and klystron—are to be designed and built by

industry. Since the call for bids for the modulator design needs a previous definition of technical specifications, these have been elaborated in Zeuthen in close collaboration with Hamburg.

Parallel to this, Zeuthen has built a test facility that is to be used to “put to the acid test” the modulator prototypes delivered by industry, by approaching XFEL conditions. Already some months ago, the

Zeuthen infrastructure and existing buildings have been upgraded and set up for the imminent test operations. The new building for the modulator test facility is almost complete. (she)

Life is quiet and satisfactory

A DESY summer student reports

By **Xianguo Lu**

Having arrived at Frankfurt Airport after a journey of about 11,000 kilometres, I took the ICE train directly to

Milestone

XFEL Plan Approval Published

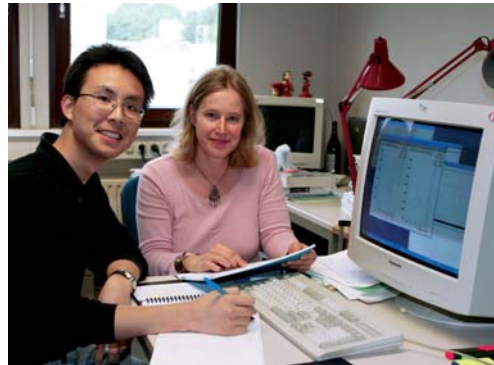
On August 9, the competent authority published the approval statement for the XFEL. With several conditions and modifications—e.g. construction traffic in the street Flottbeker Drift is allowed only for one year—the planning document for the construction and operation has now been approved. The next steps are the detailed implementation planning and the tendering for the construction. The first construction works on the three future XFEL sites are expected to start in the first half of 2007. (pf)

Hamburg. It was my first time travelling abroad. With the generous help from people on my way I got to DESY without any difficulty.

Life as a summer student started immediately after I met my supervisors Caro and Hayg, both post-docs at the HERA experiment HERMES. My daily schedule is attending lectures and working on HERMES data analysis.

My project is to extract Beam Spin Asymmetry (BSA) in deeply virtual Compton scattering events.

Closely related to my work, some lectures help me to better understand the experiments. Before I came here, I just finished my third year at Peking University, China. One year ago, I joined the HERMES China group under the supervision of Prof. Yajun Mao. I took certain courses about high energy physics, but only now have gained a



Xianguo Lu and his Supervisor Caroline Riedl

HERMES spectrometer and some other technical details in such an easy but not superficial way that I usually find good answers to my problems. My knowledge has never been so concrete without discussion,

speculation and exploration. Being in Germany for the first time, I was impressed by the harmony between nature and man. The Elbe River offers its beach as a beautiful location for us to enjoy our leisure time. Lying on the sands, we heatedly discussed which cloud would most probably shield us from the sun. Life here is quiet, but satisfactory.

systematic view of experimental particle physics. Often we spend the evening in the office and leave after it is completely dark. I work in the same office as Zhenyu, who is composing his doctoral thesis. This is a good opportunity for me to learn about data analysis by discussing with him. I have also learned a lot from my colleague Weilin, who expresses his understanding about the

No need to bring your own lunch any more

The canteen in Hamburg is now open again

The face-lift has been good for the looks of the canteen. Since the beginning of September, it has a remodelled meal serving area and dining hall. Additional windows, a new flooring and overhauled furniture brush up the ambience of the hall. Not only has the furnishing of the serving area received a completely new look, but also new ideas have been realized: no more queues at the cash point! Four cash points will be in



The new serving area has now a different arrangement and a modern design.

service in case the canteen is crowded.

The refurbishment has taken more time than expected. Delays happened because the material for the construction of the roof was not delivered in time and because of qualified personnel shortages.

More remodelling is planned at a later date for the cafeteria and the small and large guest dining rooms. (she)

Workshop

“Frontiers in QCD”

The workshop is held at DESY from September 20 to 23. Its purpose is to review and discuss recent developments in the theory of strong interactions and its comparison with experiment. The exchange of expertise between Chinese and German particle physicists has already begun in Beijing in 2004. More information:

www.desy.de/desy-th

Imprint

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