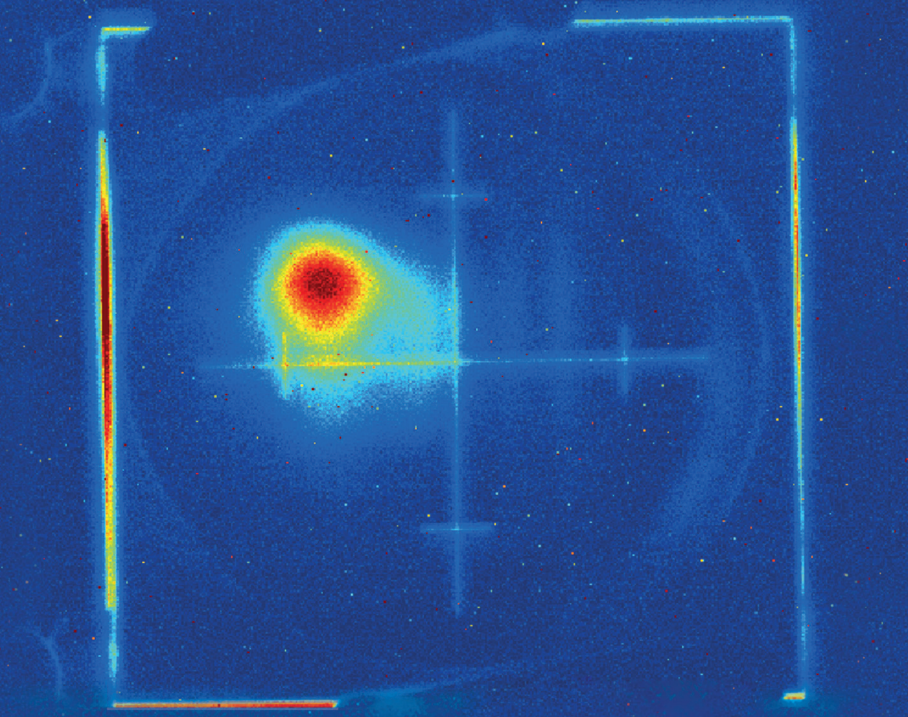
CELEBRATING FLASH.

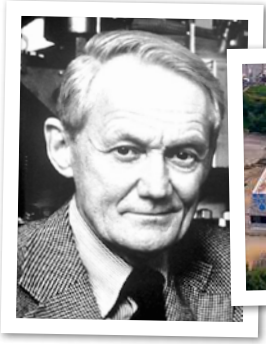
Probing the secrets of ultrafast processes



Accelerators | Photon Science | Particle Physics

Deutsches Elektronen-Synchrotron
A Research Centre of the Helmholtz Association

DESY



Kai Siegbahn was awarded the 1981 Nobel Prize in physics for "his contribution to the development of high-resolution electron spectroscopy".

Albert Einstein received the 1921 Nobel Prize in physics for "his services to theoretical physics, and especially for his discovery of the law of the photoelectric effect".

FLASH at DESY is the world's first soft X-ray free-electron laser. This pioneering light source probes the secrets of ultrafast processes in atoms, molecules and new materials.

In a naming ceremony, the two adjacent FLASH experimental halls will receive their new names, "Albert Einstein" and "Kai Siegbahn".

In 1905, Albert Einstein explained the photoelectric effect by introducing the now famous particle concept for light. It became quickly clear that the electrons emitted from a substance irradiated with X-ray light carry the chemical 'fingerprint' of the material.

About 50 years later the Swedish physicist Kai Siegbahn pioneered photoelectron spectroscopy as an advanced analytical tool to unravel the elemental composition of condensed matter. Today, this method is routinely used in all modern materials science laboratories. At FLASH it is developed further for the study of ultrafast dynamic processes in nanomaterials.

Invitation

Naming ceremony for the two FLASH experimental halls “Albert Einstein” and “Kai Siegbahn”

20 May 2015
FLASH2 experimental hall (Building 28k) at DESY in Hamburg

10:30 Doors open

11:00 Welcome addresses
Helmut Dosch (Chairman of the DESY Board of Directors)

Olaf Scholz (First Mayor of Hamburg)

Karl Eugen Huthmacher (Director-General “Basic Research and Sustainability”, Federal Ministry of Education and Research, BMBF)

Anders Lönn (State Secretary to Minister for Higher Education and Research, Sweden)

11:40 Naming ceremony

12:00 Keynote speeches: science perspectives
Lars Börjesson (Vice President, Chalmers University of Technology, Sweden)

Wilfried Wurth (Scientific head of FLASH)

12:30 Reception

14:00 FLASH Science Symposium

Detailed programme and registration: desy.de/celebratingflash
Please register until 11 May 2015.

Photo credits

Siegbahn portrait: Family of Kai Siegbahn
Einstein portrait: Lucien Chavan [Public domain], via Wikimedia Commons

HELMHOLTZ ASSOCIATION

INTERNATIONAL YEAR OF LIGHT 2015

Deutsches Elektronen-Synchrotron
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