



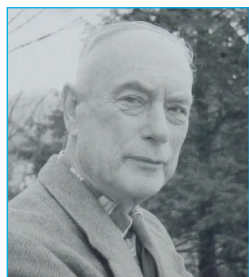
Invitation

Naming ceremony for the new PETRA III experimental halls
“Ada Yonath” and “Paul P. Ewald”

PETRA III at DESY in Hamburg is one of the most brilliant synchrotron sources for hard X-rays. It allows scientists from all over the world to gain deep insights into the atomic scale, enabling the development of new materials and pharmaceuticals.

Extended by two new experimental halls, PETRA III offers space for ten additional beamlines, making optimal use of the extremely high brightness for future discoveries in many disciplines. Three of the new beamlines are being built in cooperation with partners from India, the Russian Federation and Sweden.

In a naming ceremony, the new halls will receive the names “Ada Yonath” and “Paul P. Ewald”.



In the 1910s Paul P. Ewald developed the theory for X-rays interacting with a crystal, the so-called dynamic theory. He laid an important foundation for the development of the rapidly growing field of X-ray crystallography.

Some 90 years later Ada Yonath unravelled the complex molecular structure of the ribosome. Her pioneering X-ray crystallography of this protein-making “factory” within cells was a breakthrough. Jointly with Venkatraman Ramakrishnan and Thomas Steitz she was awarded the Nobel Prize in Chemistry 2009.



14 September 2016

PETRA III experimental hall (Building 46g) at DESY in Hamburg

17:00 Doors open

17:30 Welcome addresses

Helmut Dosch, Chairman of the DESY Board of Directors

Olaf Scholz, First Mayor of the Free and Hanseatic City of Hamburg

Cornelia Quennet-Thielen, State Secretary at the German Federal Ministry of Education and Research BMBF

Naming ceremony

with name givers, guests of honour and representatives from partner countries India, the Russian Federation and Sweden

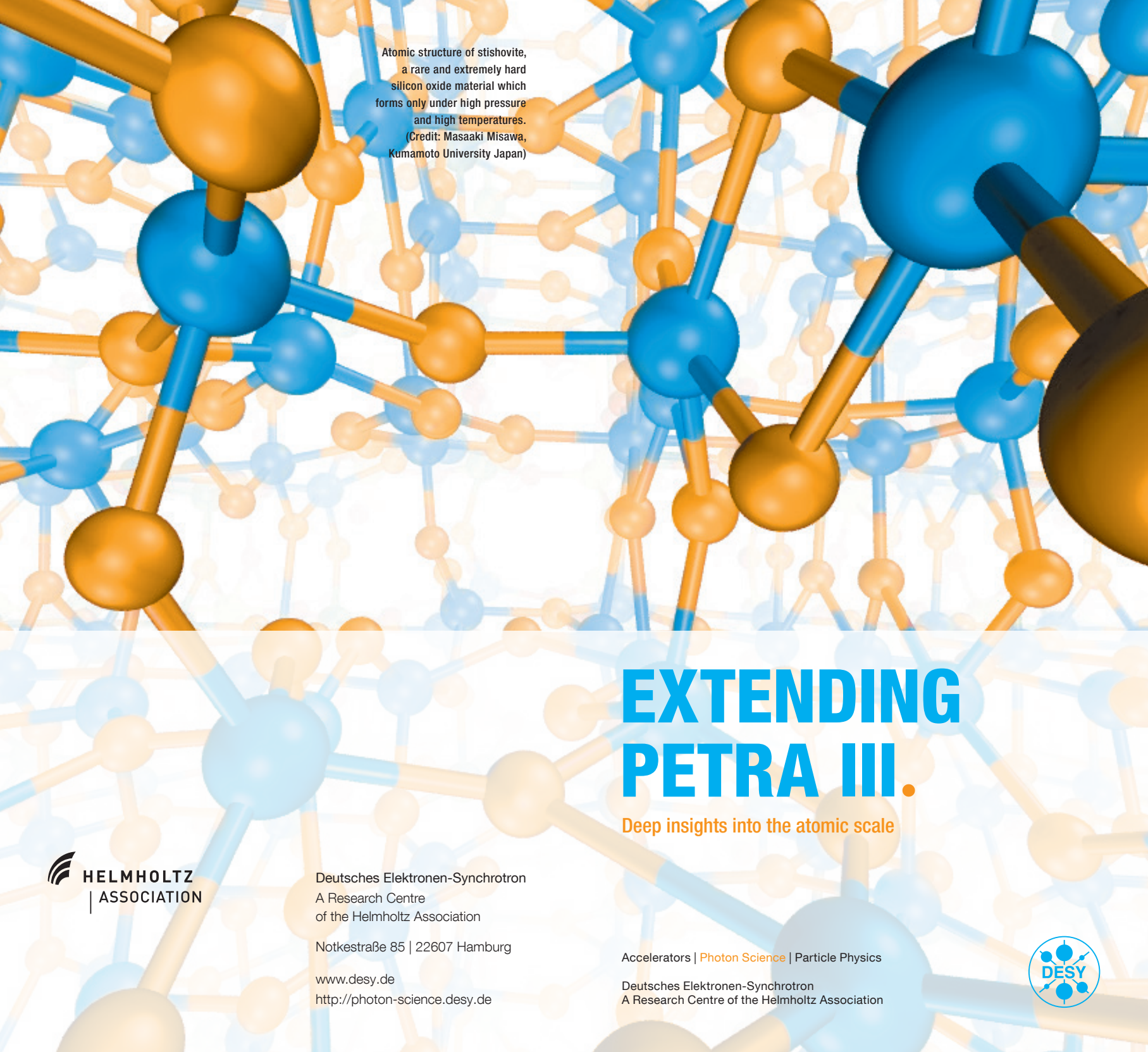
“Science at PETRA III – extending the frontiers”

Talk by Christian Schroer, Scientific Head PETRA III

19:00 Reception

Interested? Please register until 1 September 2016:

www.desy.de/extendingpetra



Atomic structure of stishovite,
a rare and extremely hard
silicon oxide material which
forms only under high pressure
and high temperatures.
(Credit: Masaaki Misawa,
Kumamoto University Japan)

EXTENDING PETRA III.

Deep insights into the atomic scale



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A Research Centre
of the Helmholtz Association

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www.desy.de

<http://photon-science.desy.de>

Accelerators | Photon Science | Particle Physics

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