News from DESY.

Joachim Mnich

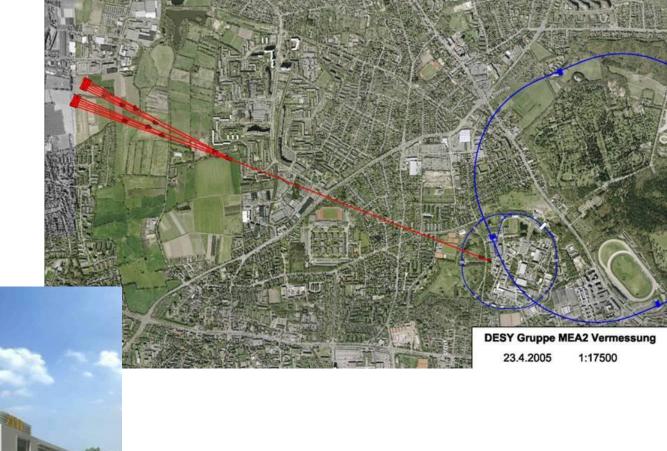
Plenary ECFA CERN, November 2011





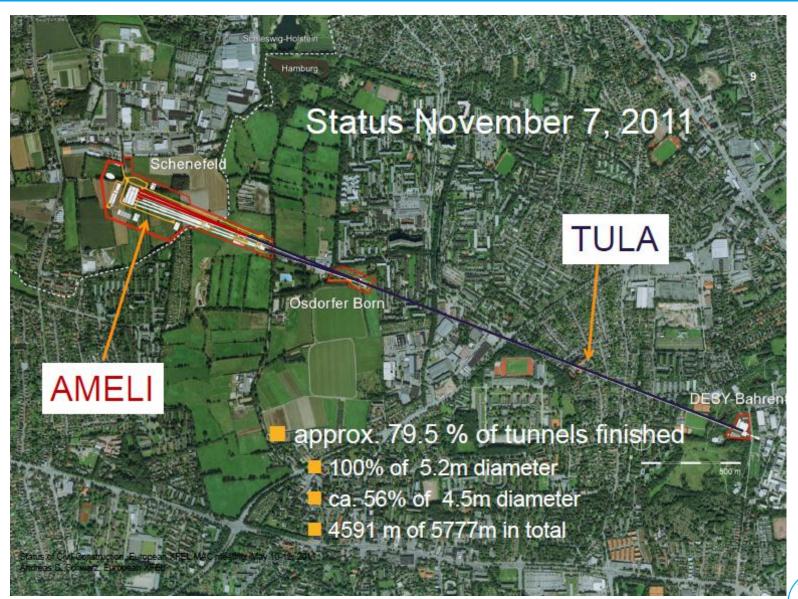
Status European XFEL

- Good progress
- > Civil engineering
 - Injector building
 - Accelerator tunnel
- > Fully assembled SRF prototype module at DESY

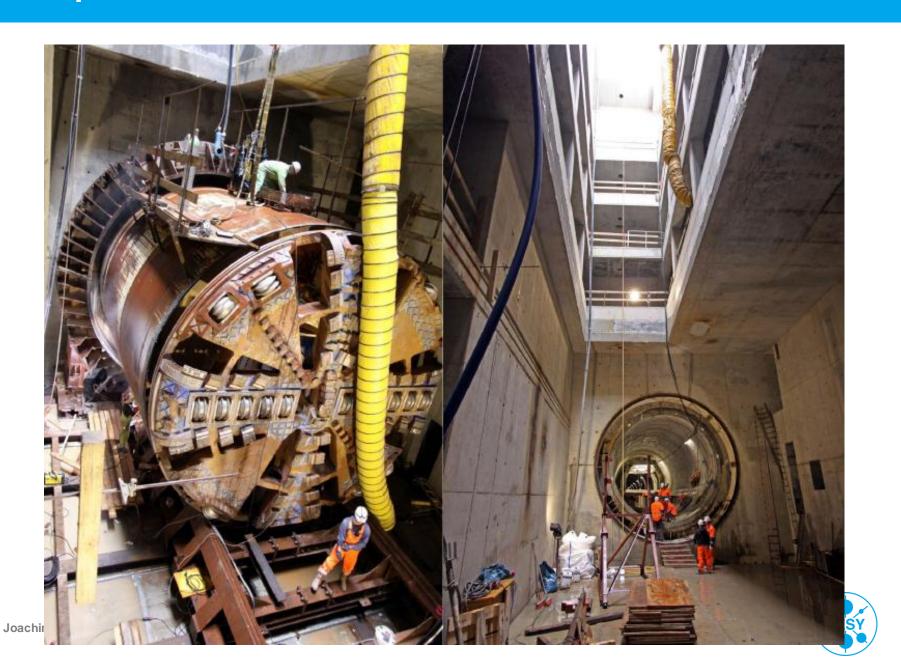




Status Tunneling



Completion of Accelerator Tunnel

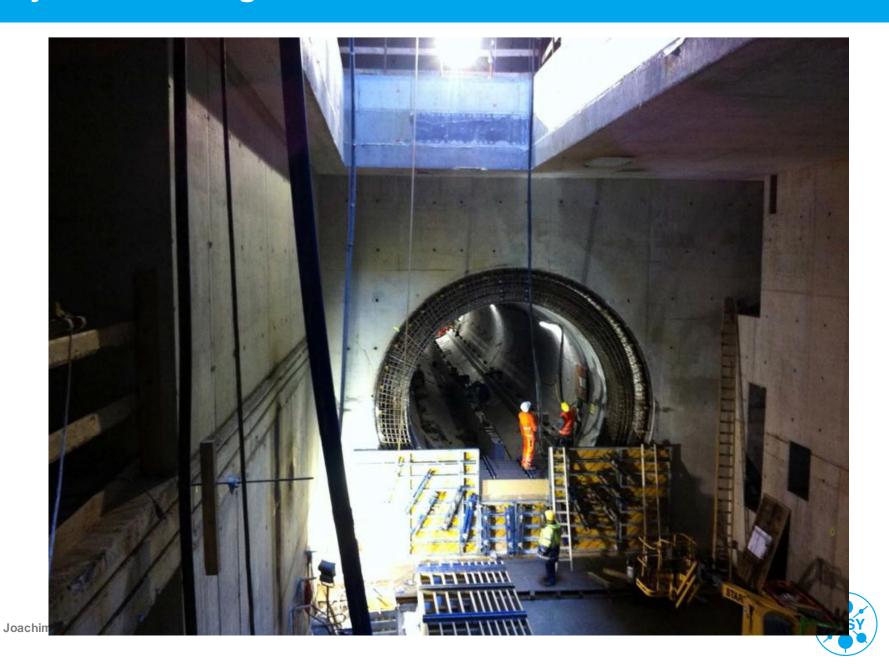


Injector Building





Injector Building

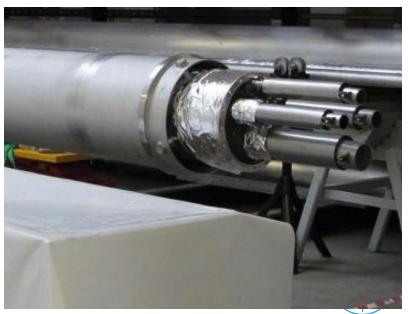


Module Production



- > 1st XFEL module fully assembled at CEA-Saclay
- > Arrived at DESY on October 28
- Installed on cryo module test bench
 - Helium transfer line sections arrived from Poland (Wroclaw)



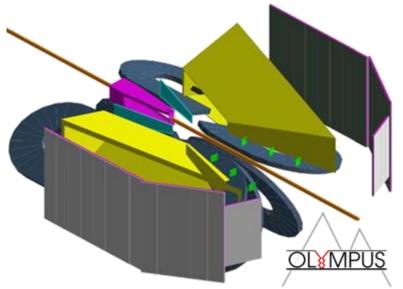


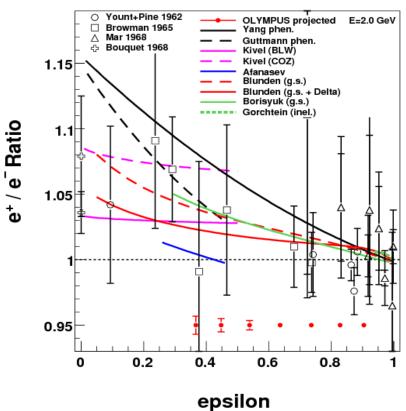
OLYMPUS Experiment at DORIS

- Measurement of elastic cross section ratio e+p vs e-p
- **Use BLAST detector (MIT)**

Schedule:

- 2010 set-up experiment at DESY
- 2011 commissioning
- 2012 data taking (3 months)





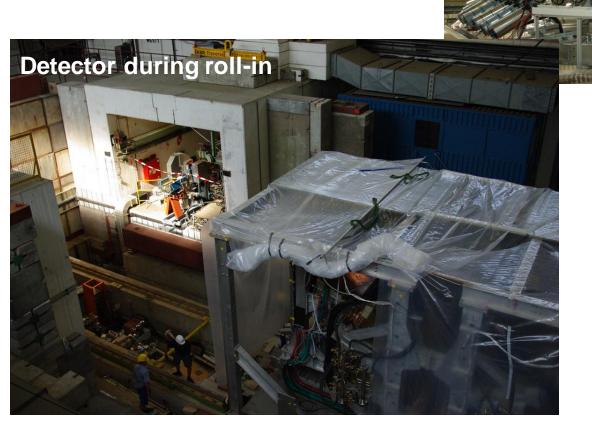
Arizona State University, USA DESY, Hamburg, Germany Hampton University, USA INFN, Bari, Italy INFN, Ferrara, Italy INFN, Rome, Italy Massachusetts Institute of Technology, USA St. Petersburg Nuclear Physics Institute, Russia Universität Bonn, Germany University of Colorado, USA Universität Erlangen-Nürnberg, Germany University of Glasgow, United Kingdom University of Kentucky, USA Universität Mainz, Germany University of New Hampshire, USA Yerevan Physics Institute, Armenia



Status OLYMPUS

Detector rolled into beam position in July former place of ARGUS

 Almost all detector components installed and operational



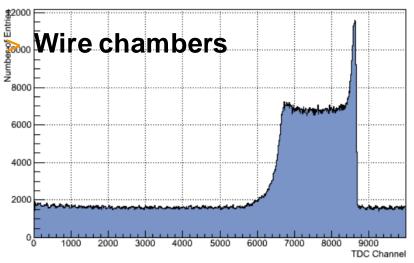


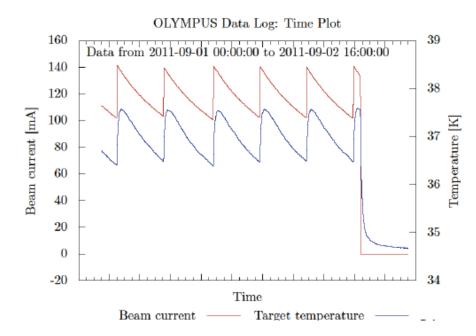
Assembled detector in park position

OLYMPUS Commissioning

> Target system







OLYMPUS data taking runs

- > Jan. Feb. 2012 1st run
- > Oct. Dec. 2012 2nd run

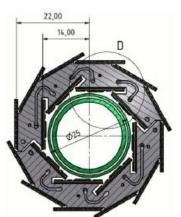
DORIS will be shut down end of 2012

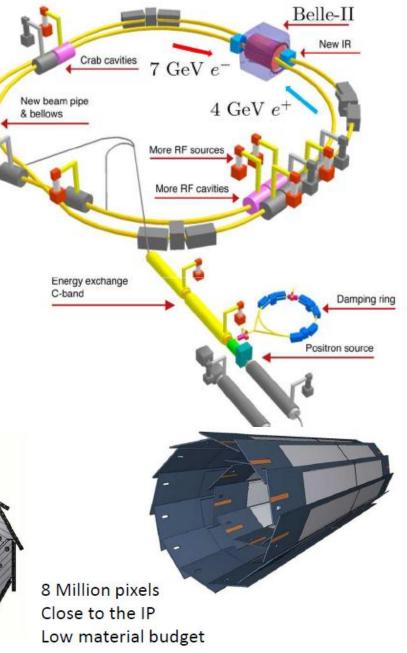


BELLE II

- DESY joined BELLE II at SuperKEKB
- Strong German consortium to build the vertex detector in DEPFET technology
 - Bonn, DESY, Gießen, Göttingen, Heidelberg, Karlsruhe and Munich (MPI, LMU and TU)
- DESY will contribute to integration issues
 - Mechanics, cooling, beam pipe ...



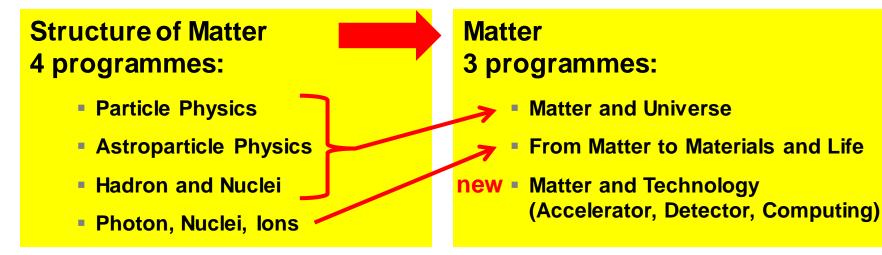




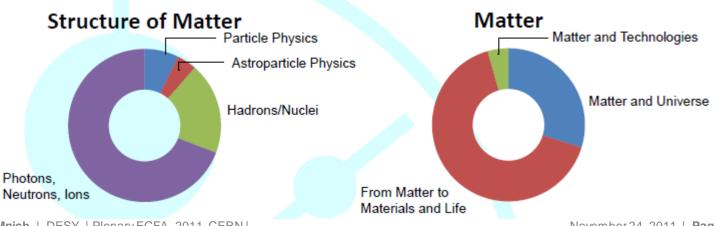


Helmholtz Association

Restructuring of research area for next funding period (2015 ff)



Portfolio topics accelerator, detector and computing approved



Helmholtz Alliance "Physics at the Terascale"



- Network of complementary excellence between
 - 2 Helmholtz centres
 - 18 German universities and
 - 1 Max Planck-Institute
- > Project duration: 2007 2012
 - Funding approx. 5 M€/year
- > Future funding of the project still uncertain

