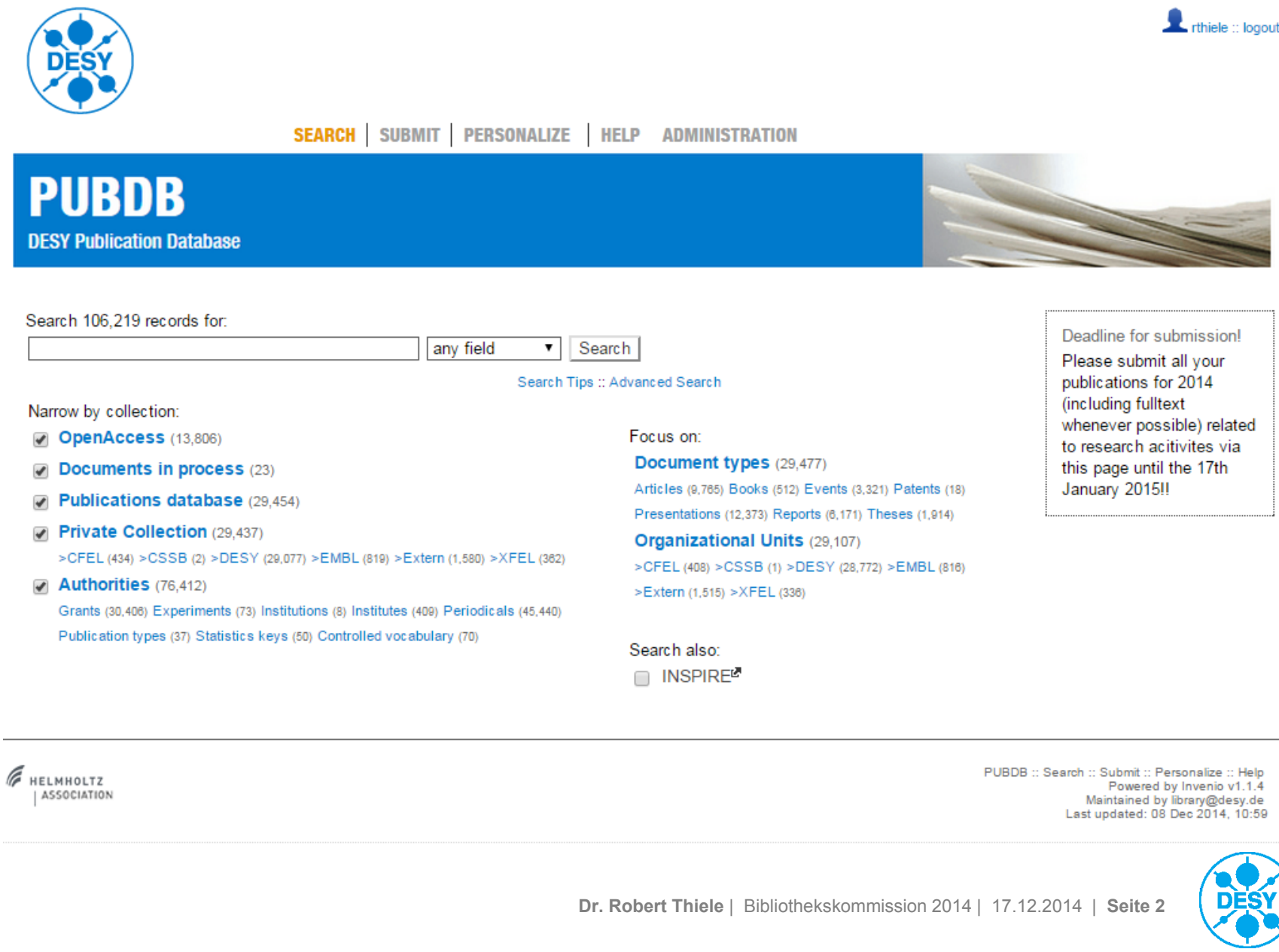
PubDB – Die Publikationsdatenbank

Robert Thiele
Bibliothekskommission 2014
Hamburg, 17.12.2014

HELMHOLTZ GEMEINSCHAFT

DESY

PubDB – Der Publikationsserver



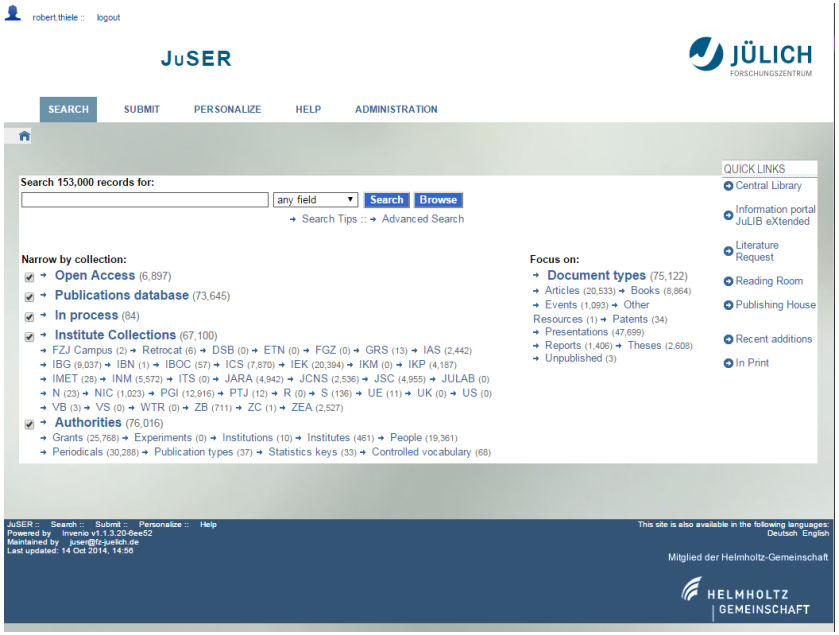
Partner im join² Projekt

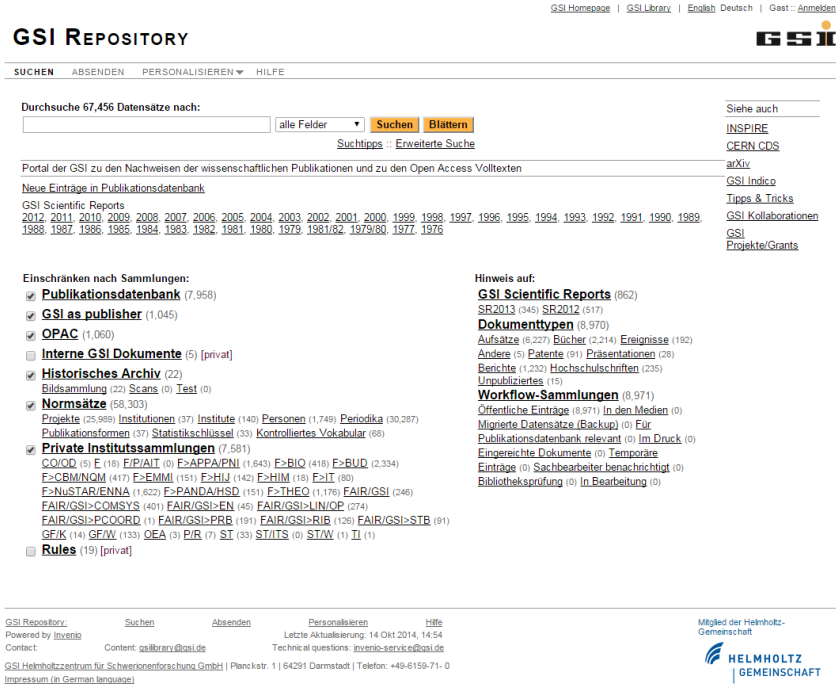
Deutsches Elektronensynchrotron, Zentralbibliothek	$\approx 2000 + 3000$
Forschungszentrum Jülich, Zentralbibliothek	$\approx 5000 + 1000$
GSI Helmholtzzentrum für Schwerionenforschung, Bibliothek + Base-IT	≈ 1050
Deutsches Krebsforschungszentrum, Bibliothek	≈ 3000
Maier-Leibniz-Zentrum, Garching	≈ 300
RWTH Aachen, Hochschulbibliothek	≈ 9000
Museum Zitadelle Jülich	
Institut für Experimentelle Kernphysik, Karlsruhe	

Join² = just another invenio instance

20000 Nutzer + Gäste
260000 Dokumente + **80000** Normdatensätze

Partner im join² Projekt





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DESY

Open Access in der PubDB

Stand 08.12.2014

Narrow by collection:

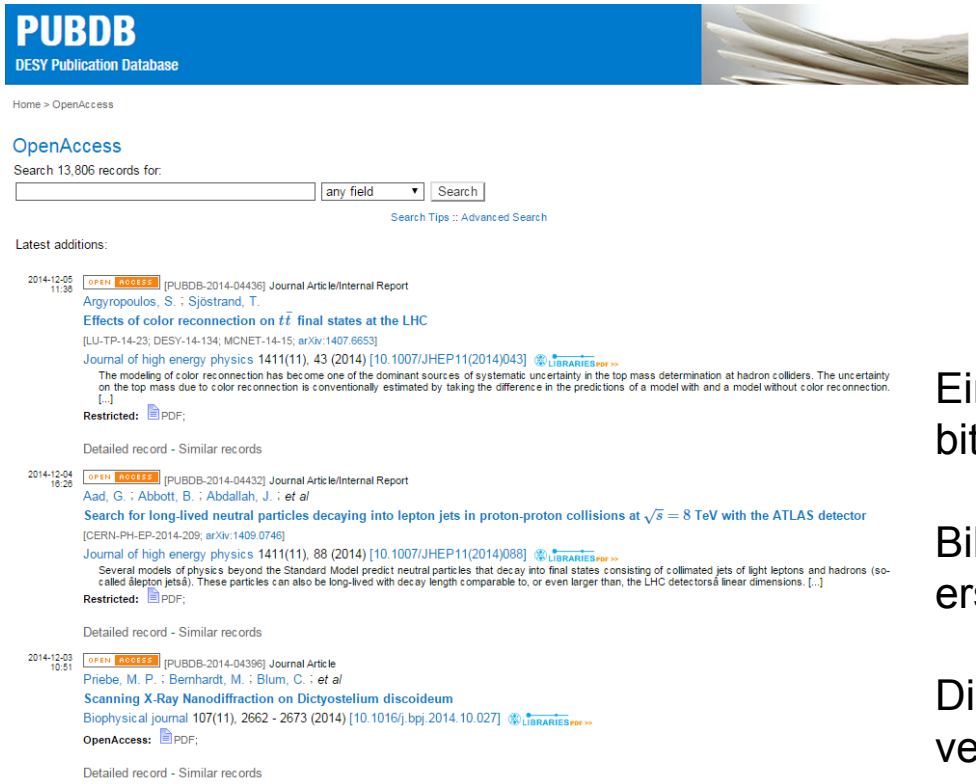
- ☑ OpenAccess (13,806)
- ☑ Documents in process (23)
- ☑ Publications database (29,454)

2014:

- ≈ 1178 Volltexte Open Access (Gesamt:1836)
- ➢ 64% Open Access bei DESY!

2013:

- ≈ 1537 Volltexte Open Access (Gesamt: 2903)
- ➢ 53% Open Access bei DESY



Einstellen von Publikationen in PubDB bitte immer mit angehängtem Volltext!

Bibliothek prüft die Copyrights und stellt erst dann auf Open Access

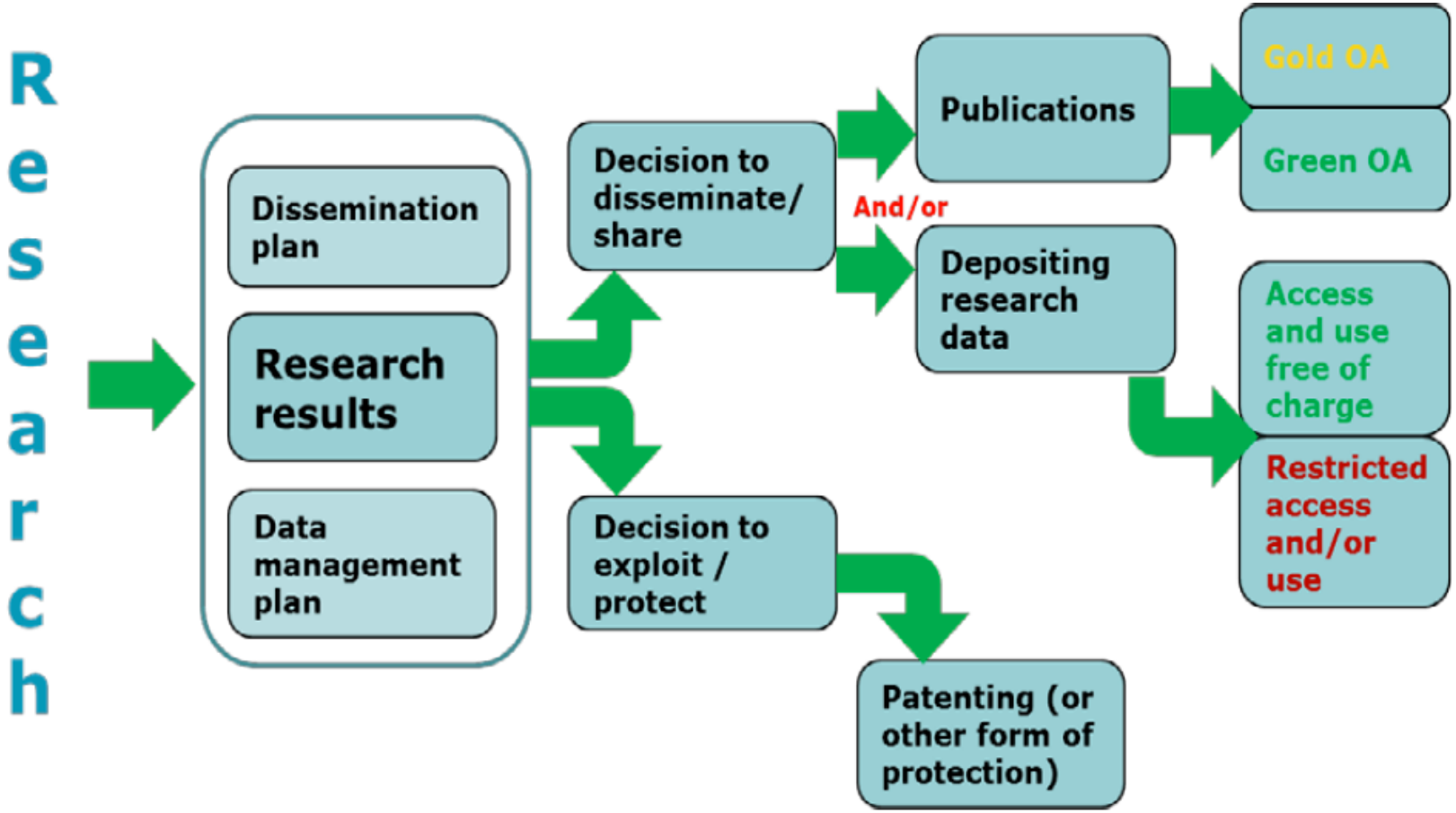
Dissertationen, Vorträge etc. nicht vergessen!

OPEN ACCESS IN EU FRAMEWORK PROGRAMME HORIZON 2020

- compulsory open access publication of papers from EU-funded projects („green“ or „gold“ road)
- article processing charges will be reimbursed
- new: „Open Research Data Pilot“ for selected topics (e.g. Future and Emerging Technologies)
- EU Commission information leaflets:
  - Fact sheet: open access in Horizon 2020
  - Guidelines on open access to scientific publications and research data in Horizon 2020
  - Guidelines on data management in Horizon 2020

Paul Schultze-Motel
@ Helmholtz Open Science Koordinationsbüro

OPEN ACCESS IN EU FRAMEWORK PROGRAMME HORIZON 2020



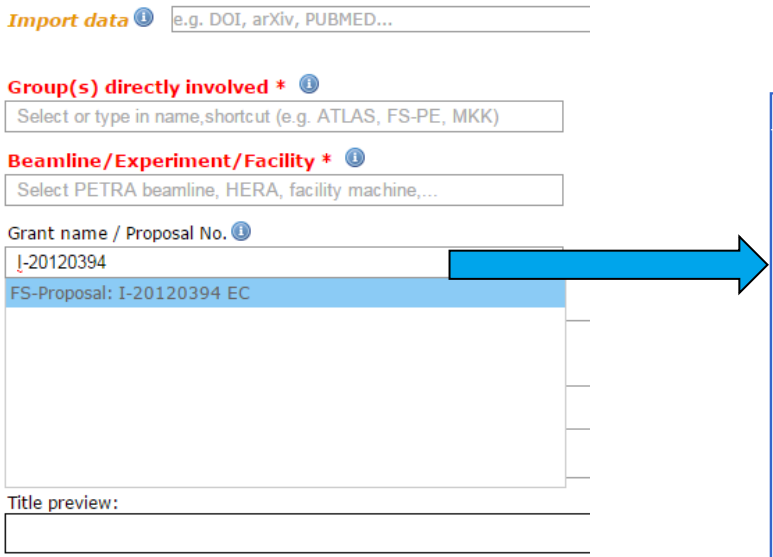
Guidelines on open access to scientific publications and research data in Horizon 2020. EU Commission, DG Research and Innovation, December 2013.

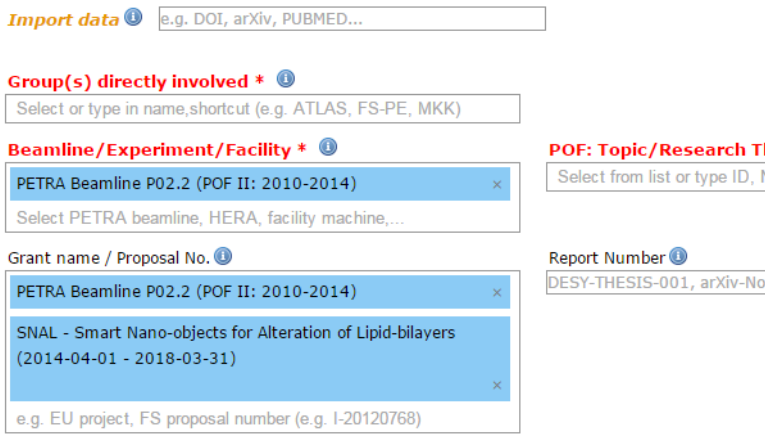
Paul Schultze-Motel
@ Helmholtz Open Science Koordinationsbüro

HELMHOLTZ ASSOCIATION
Open Science

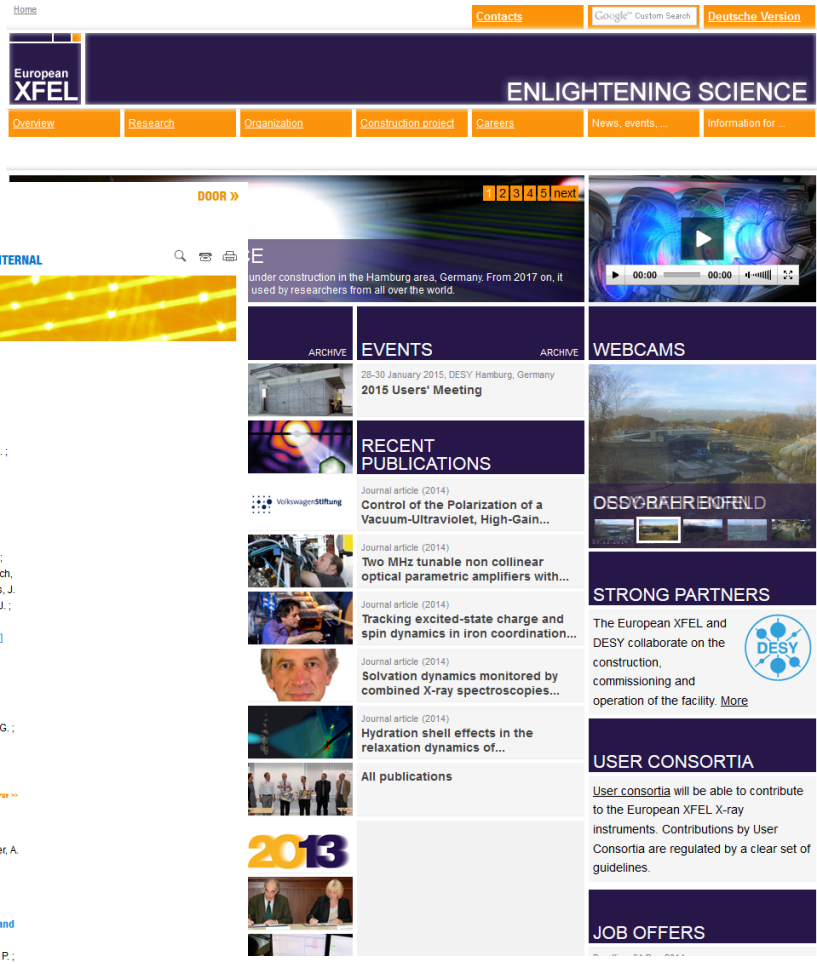
Submit: EU-Grants, Proposals etc.

Listen bzw. Webseiten für die einzelnen Grants:

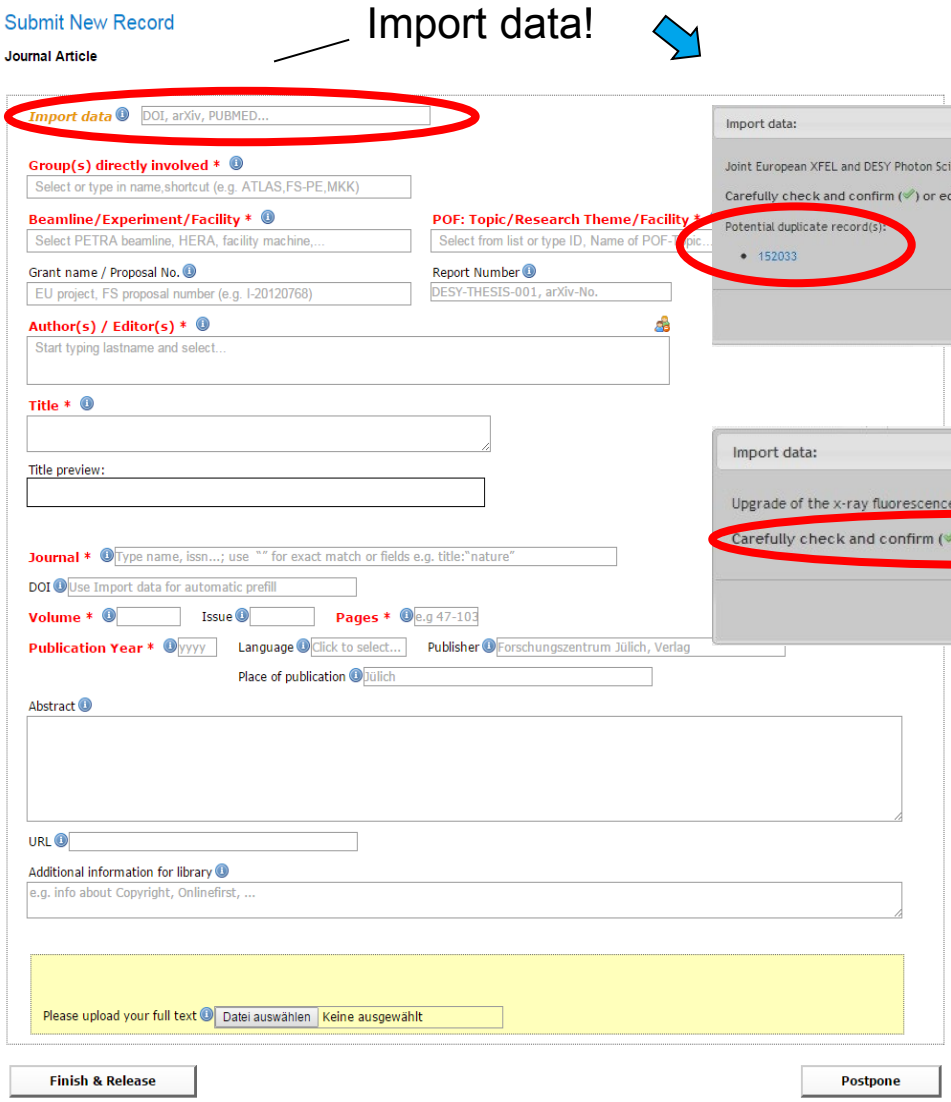




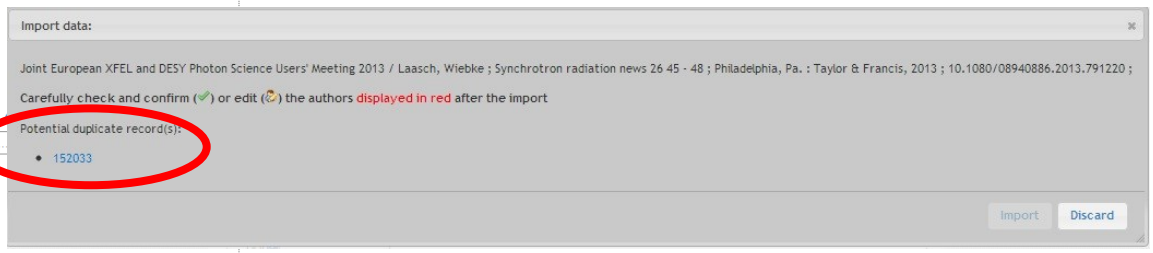
Literaturlisten im Web



Submit: Importerfunktionen



Dublettencheck!!



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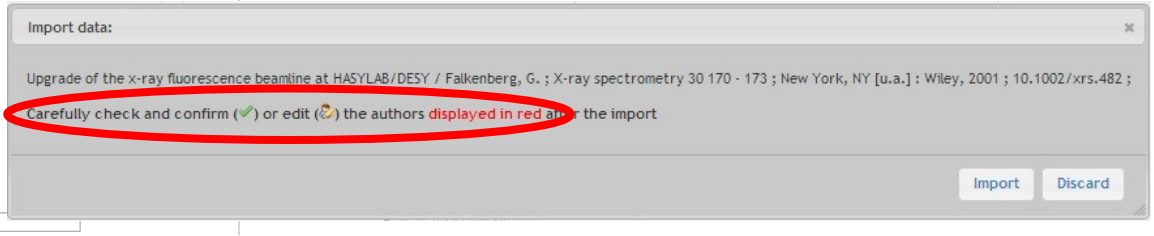
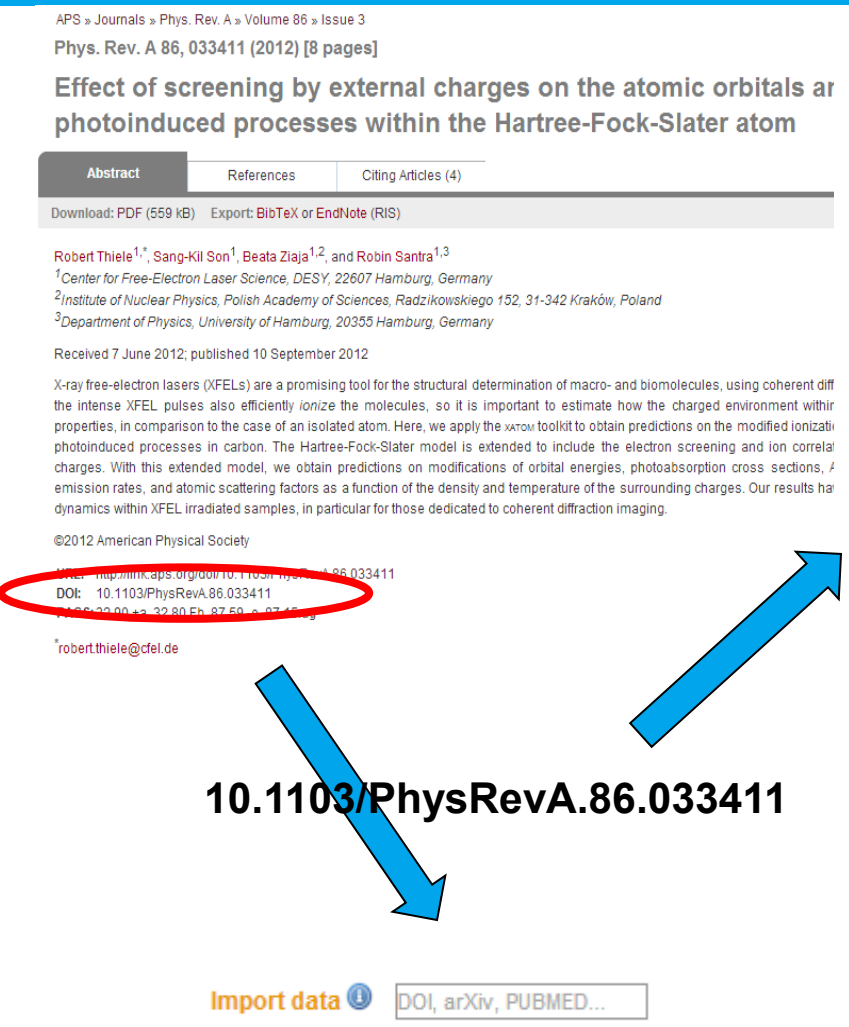


Import Möglichkeit: DOI



10.1103/PhysRevA.86.033411

Import data DOI, arXiv, PUBMED...

Import data e.g. DOI, arXiv, PUBMED...

Group(s) directly involved * Select or type in name,shortcut (e.g. ATLAS, FS-PE, MKK)

Beamline/Experiment/Facility * Select PETRA beamline, HERA, facility machine,...

POF: Topic/Research Theme/Facility * Select from list or type ID, Name of POF-Topic...

Grant name / Proposal No. e.g. EU project, FS proposal number (e.g. I-20120768)

Report Number DESY-THESIS-001, arXiv-No.

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Title * Effect of screening by external charges on the atomic orbitals and photoinduced processes within the Hartree-Fock-Slater atom

Title preview: Effect of screening by external charges on the atomic orbitals and photoinduced processes within the Hartree-Fock-Slater atom

Journal * Physical review / A

DOI 10.1103/PhysRevA.86.033411

Volume * 86 Issue 3 Pages * 033411

Publication Year * 2012 Language Click to select... Publisher APS

Place of publication College Park, Md.

Abstract

URL

Additional information for library e.g. info about Copyright, Onlinefirst, ...

Import Möglichkeit: preprint

Internal Report **DESY-2014-03285**

Prospects for CW and LP Operation of the European XFEL in Hard X-ray Regime

Brinkmann, R. (Corresponding Author)* ; Schneidmiller, E. A. * ; Sekutowicz, J. * ; Yurkov, M. V. *

2014

Red Report (2014) [10.1016/j.nima.2014.09.039]

Please use doi:10.1016/j.nima.2014.09.039 in citations.

Report No.: DESY-2014-03285, DESY 14-025

Abstract: The European XFEL will operate nominally at 17.5 GeV in SP (short pulse) mode with 0.65 ms long bunch train and 10 Hz repetition rate. A possible upgrade of the linac to CW (continuous wave) or LP (long pulse) modes with a corresponding reduction of electron beam energy is under discussion since many years. Recent successes in the dedicated R&D program allow to forecast a technical feasibility of such an upgrade in the foreseeable future. One of the challenges is to provide sub-Angstrom FEL operation in CW and LP modes. In this paper we perform a preliminary analysis of a possible operation of the European XFEL in the hard X-ray regime in CW and LP modes with the energies of 7 GeV and 10 GeV, respectively. We consider lasing in the baseline XFEL undulator as well as in a new undulator with a reduced period. We show that, with reasonable requirements on electron beam quality, lasing on the fundamental will be possible in sub-Angstrom regime. As an option for generation of brilliant photon beams at short wavelengths we also consider harmonic lasing that has recently attracted a significant attention.

Note: Preprint zur Veröffentlichung im Journal "Nuclear Instruments & Methods" (DOI: 10.1016/j.nima.2014.09.039)

Contributing Institute(s):

1. Beschleunigerphysik (MPY)

Research Program(s):

1. Facility (machine) XFEL (POF2-54G17) (POF2-54G17)

Experiment(s):

Appears in the scientific report 2014

Database coverage:

PubMed.gov ; ; Current Contents - Engineering, Computing and Technology ; Current Contents - Physical, Chemical and Earth Sciences ; IF < 5 ; JCR ; NCBI Molecular Biology Database ; Nationallizenz gefördert von der DFG ; SCOPUS ; Science Citation Index ; Science Citation Index Expanded ; Thomson Reuters Master Journal List ; Web of Science Core Collection

The record appears in these collections:

Organizational Units > >DESY > >M > MPY
Private Collection > >DESY > >M > MPY
Document types > Reports > Internal Reports
Workflow collections > Public records
Workflow collections > Publications database
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Linked articles:

Journal Article/Internal Report
Brinkmann, R. ; Schneidmiller, E. A. ; Sekutowicz, J. ; Yurkov, M. V.
Prospects for CW and LP Operation of the European XFEL in Hard X-ray Regime
Nuclear instruments & methods in physics research / A 768, 20 - 25 (2014) [10.1016/j.nima.2014.09.039]

Journal Article/Internal Report **PUBDB-2014-03854**

Prospects for CW and LP Operation of the European XFEL in Hard X-ray Regime

Brinkmann, R. (Corresponding Author)* ; Schneidmiller, E. A. * ; Sekutowicz, J. * ; Yurkov, M. V. *

2014

North-Holland Publ. Co. Amsterdam

Nuclear instruments & methods in physics research / A 768, 20 - 25 (2014)
[10.1016/j.nima.2014.09.039]

Please use doi:10.1016/j.nima.2014.09.039 in citations.

Report No.: PUBDB-2014-03854, DESY 14-025

Abstract: The European XFEL will operate nominally at 17.5 GeV in SP (short pulse) mode with 0.65 ms long bunch train and 10 Hz repetition rate. A possible upgrade of the linac to CW (continuous wave) or LP (long pulse) modes with a corresponding reduction of electron beam energy is under discussion since many years. Recent successes in the dedicated R&D program allow to forecast a technical feasibility of such an upgrade in the foreseeable future. One of the challenges is to provide sub-Angstrom FEL operation in CW and LP modes. In this paper we perform a preliminary analysis of a possible operation of the European XFEL in the hard X-ray regime in CW and LP modes with the energies of 7 GeV and 10 GeV, respectively. We consider lasing in the baseline XFEL undulator as well as in a new undulator with a reduced period. We show that, with reasonable requirements on electron beam quality, lasing on the fundamental will be possible in sub-Angstrom regime. As an option for generation of brilliant photon beams at short wavelengths we also consider harmonic lasing that has recently attracted a significant attention.

Contributing Institute(s):

1. Beschleunigerphysik (MPY)

Research Program(s):

1. Facility (machine) XFEL (POF2-54G17) (POF2-54G17)

Experiment(s):

Appears in the scientific report 2014

Database coverage:

PubMed.gov ; ; Current Contents - Engineering, Computing and Technology ; Current Contents - Physical, Chemical and Earth Sciences ; IF < 5 ; JCR ; NCBI Molecular Biology Database ; Nationallizenz gefördert von der DFG ; SCOPUS ; Science Citation Index ; Science Citation Index Expanded ; Thomson Reuters Master Journal List ; Web of Science Core Collection

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Document types > Articles > Journal Article
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Linked articles:

Internal Report
Brinkmann, R. ; Schneidmiller, E. A. ; Sekutowicz, J. ; Yurkov, M. V.
Prospects for CW and LP Operation of the European XFEL in Hard X-ray Regime
Red Report (2014) [10.1016/j.nima.2014.09.039]

preprint: 171481 oder **PUBDB-2014-03285**

Tipps & Tricks zum Import

Wenn immer möglich „Import“ verwenden! (vgl. Hilfe)

Neue Einträge:

- Crossref DOI: doi:10.1016/j.physletb.2006.11.038
- INSPIRE: inspire:1222716
- ArXiv: arXiv:1112.5528
- PubMed: PMID:20923669
- Web of Science: WOS:000243624600011
- GVK: ppn:629686653

Wiederverwenden:

- Record Id: recid:187395 oder recid:PUBDB-2014-03890
- Preprint: preprint: 155741 (Erzeugt auch eine Verknüpfung)
- Verlinkung: join:12345 („Neue“ Formate, z.B. Vortrag + Poster)

POF Struktur (DESY)

6	Forschungsbereich Materie
6 1	Materie und das Universium
6 1 1	**Fundamental Particles and Forces**
6 1 3	**Matter and Radiation from the Universe**
6 2	Von Materie zu Materialien und Leben
6 2 1	In-house research on structure, dynamics and function of matter
RT 1	Extreme States of Matter: From Cold Ions to Hot Plasmas
RT 2	Quantum Condensed Matter: Magnetism, Superconductivity, and Beyond
RT 3	Materials and Processes for Energy and Transport Technologies
RT 4	Nanoscience and Materials for Information Technologies
RT 5	Soft Matter, Health and Life Sciences
6 3	Materie und Technologien
6 3 1	**Accelerator Research and Development**
6 3 2	**Detector Technology and Systems**
6 G	*TIER II*
6 G	*FLASH*
6 G	*PETRA III*
6	*XFEL-LK II-Anlage im Aufbau (DESY)*

Leistungskategorien

POF unterscheidet ferner zwischen Leistungskategorien (LK):

- LK I: Eigenforschung der Zentren: […] Das Grundelement der Programmorientierten Förderung bilden die Programme, in denen die Helmholtz-Zentren ihre Aktivitäten bündeln und gemeinsam mit ihren wissenschaftlichen Partnern eigene wissenschaftliche Fragestellungen bearbeiten.
  https://bib-pubdb1.desy.de/record/170979
- LK II: *"Betrieb Großgeräte für externe Nutzer": [...] Betrieb von für die nationale und internationale Gemeinschaft bedeutsamen Forschungsinfrastrukturen, die bestimmte Bedingungen erfüllen: […] Die LK II umfasst* ***nicht die Eigenforschung*** *der Zentren an diesen Anlagen. Dabei können jedoch diejenigen Forschungsaktivitäten, die notwendig sind, um die wissenschaftliche Kompetenz für den Betrieb von Großgeräten auf international hohem Niveau zu erhalten, in angemessenem Umfang der LK II zugerechnet werden. [...] es interessiert die mit Hilfe eine Großgeräts erbrachte Forschungsleistung.*
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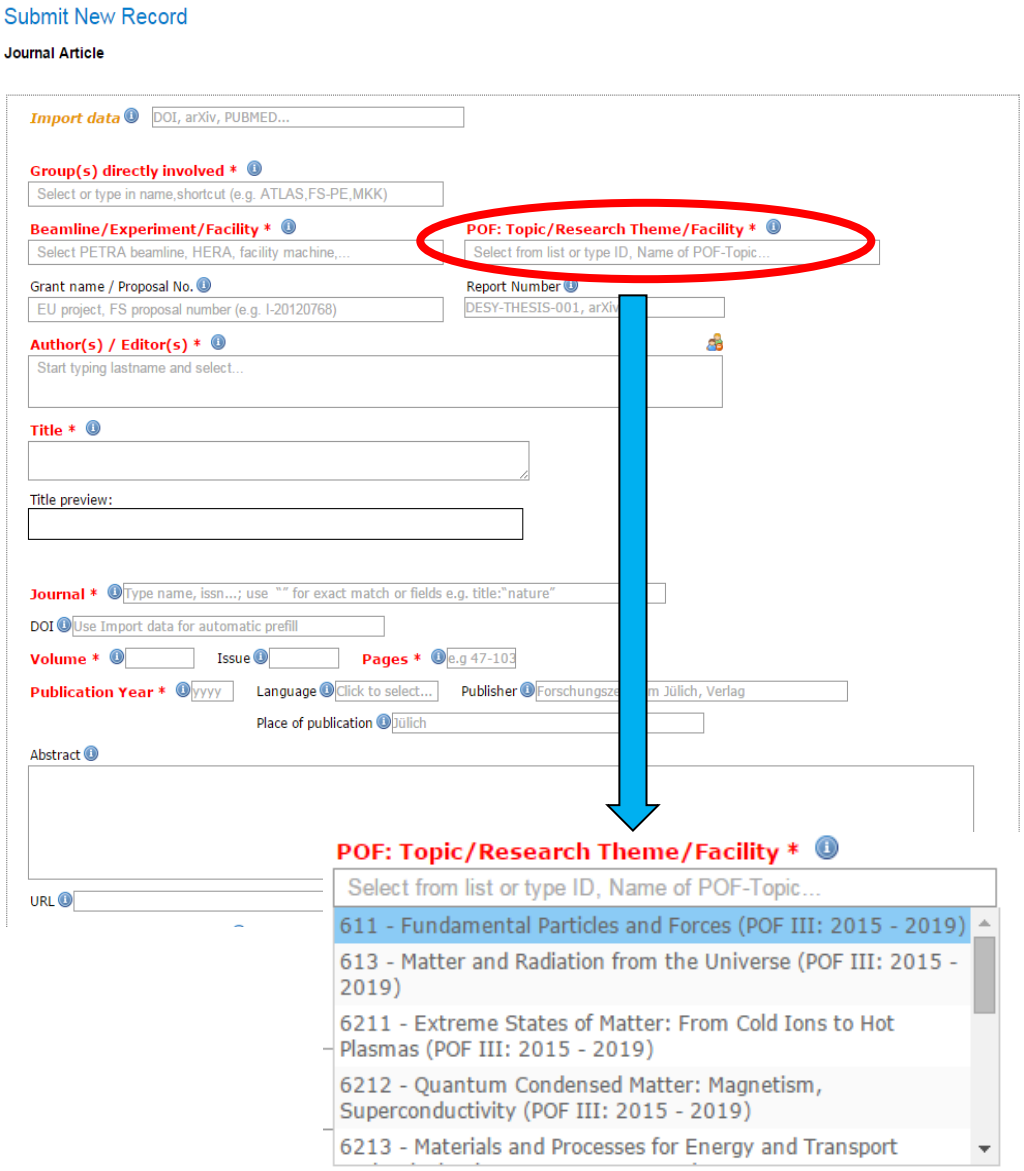

Neues POF3-Feld:

- **Hochenergiephysik:**

≈ POF3-611 – Fundamental Particles…

- **Zeuthen /Astro:**

≈ POF3-613 – Matter and Radiation…

- **M-Bereich:**

≈ POF3-631 – Accelerator R&D

≈ POF3-632 – Detector Technology…

- **Photon Science:**

POF3-6211 – POF3-6215 Research Topics

- **LK2 (Nutzerbetrieb):**

POF3-6G1 - TIER II, POF3-6G2 – FLASH, POF3-6G3 – PETRA III, POF3-6G13 - XFEL

Der Vortrag: https://bib-pubdb1.desy.de/record/193031