



... for a brighter future

Advanced Photon Source Publications Database

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U.S. Department
of Energy

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The APS Publications Database...

- Is an ORACLE-based relational database
- Is the publications database of record for all APS intellectual output
- As of 3.14.08 contained 9206 records, including
 - 6503 journal articles
 - 1790 conference papers (in non-journal proceedings volumes)
 - *The remainder are books, book chapters, dissertations, etc.*

The real “search engine”

- The invaluable Jessie Skwarek (SIS)



Collecting data

- The greatest challenge
- Reviews are number one stimulus
- Several sources
 - Online full-text searches* by the aforementioned J. Skwarek (most)
 - CrossRef -- <http://prola.aps.org/xrs.html>
 - American Geophysical Union -- <http://www.agu.org/servlet/Articles>
 - Nature Publishing Group -- www.nature.com
 - High Wire Hosted Journals -- www.sciencemag.org/searchall/
 - Scirus (Elsevier Journals) -- www.scirus.com
 - American Chemical Society -- <http://pubs.acs.org/journals/query/subscriberSearch.html>
 - Other journal sites
 - Resident users (including APS personnel)
 - Non-resident users
 - PDB
 - APS accelerator scientists
 - lightsources.org
 - * Consulted w/Mary Straka (a librarian is your best friend)

Data entry

- Some entry done by users, secretaries; most done by (that's right):



Data entered

- Minimum of 13 data points per record (all searchable)
 - Slightly less for non-user-science records

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3. Build Author String (NOT EDITORS)

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Sectors involved in work	Beamline	Station
01 XOR 1	01-BM	01-BM-B.C
02 XOR 2	01-ID	01-ID-C
03 XOR 3	02-BM	02-BM-B
04 XOR 4	02-ID	02-ID-B

Select the beamline(s), if any, on which QUTime was used for this paper.

Instrument
1-BM-C1 Powder diffraction
1-BM-C2 Reflectometry
1-ID-B 3D-XRD imaging
1-ID-C1 3D-XRD microscopy

*4. Discipline

Fielding Source
ACCELERATOR PHYSICS
ARCHAEOLOGY
ATOMIC PHYSICS & MOLECULAR PHYSICS
BEAMLINE ENGINEERING

*5. Complete Email (**@*****) of person submitting entry:

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TSD #:

Electronic file:

Web URL:

Comments:

6. Review Entry

Traffic

- 46,533 hits (searches and non-SIS data entry) to date (did not start this count at inception of database – total is actually much more)

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Author(s) ARL division:

Type of publication:

Type of technical report:

Dissertation degree:

Journal title (A - Z)

(J - M)

(N - Z)

Discipline:

Funding source:

Sectors involved in work:

Beamline:

Beamline(s), if any, on which GU time was used:

Station:

Instrument:

Publication Month: Year: YYYY

Publication year from: To: YYYY (The year month is entered as author's last)

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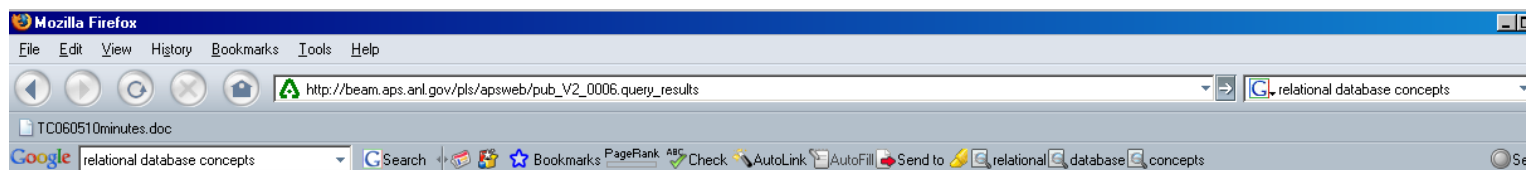
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Future

- More and more detail being requested
 - Narrower discipline categories
 - Sector
 - Beamline
 - Station
 - Instrument
 - GU beam time

Linked to articles (abstracts)



Search Results/Report

Administrator Mode

The search parameters are: - Beamline: 04-ID - From Publication Year: 2007 - Status: ALL

Netscape users: To use search results in a document, go to:File > Save As > html(mac users: text), then open saved file from your word processor.

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Number of Records: 37

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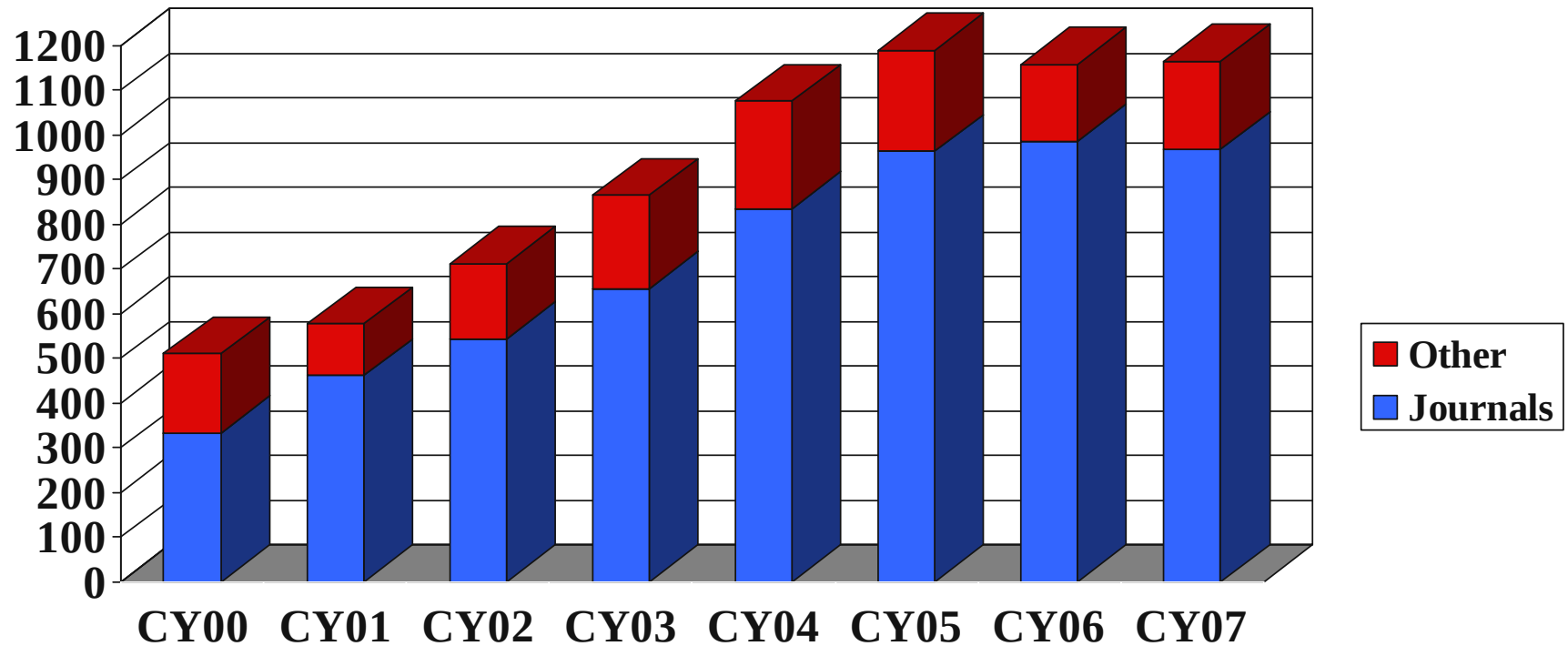
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APS publications CY99-CY07*



*As of 3.14.08

Questions, cooperation, etc.

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