The CERN Library: an Accelerator of Science

Scientific Information Service

- Our missions
  - Provide information resources in ALL fields of relevance to CERN
  - Ensure scientific information produced at CERN is safeguarded and made publicly available.
  - Distribute CERN publications
- Our audience
  - Particle physicists (from CERN and from outside)
  - Engineers, technicians…
  - Computer scientists
  - Administrative staff
  - Students

Some years back…

Article II

Purposes

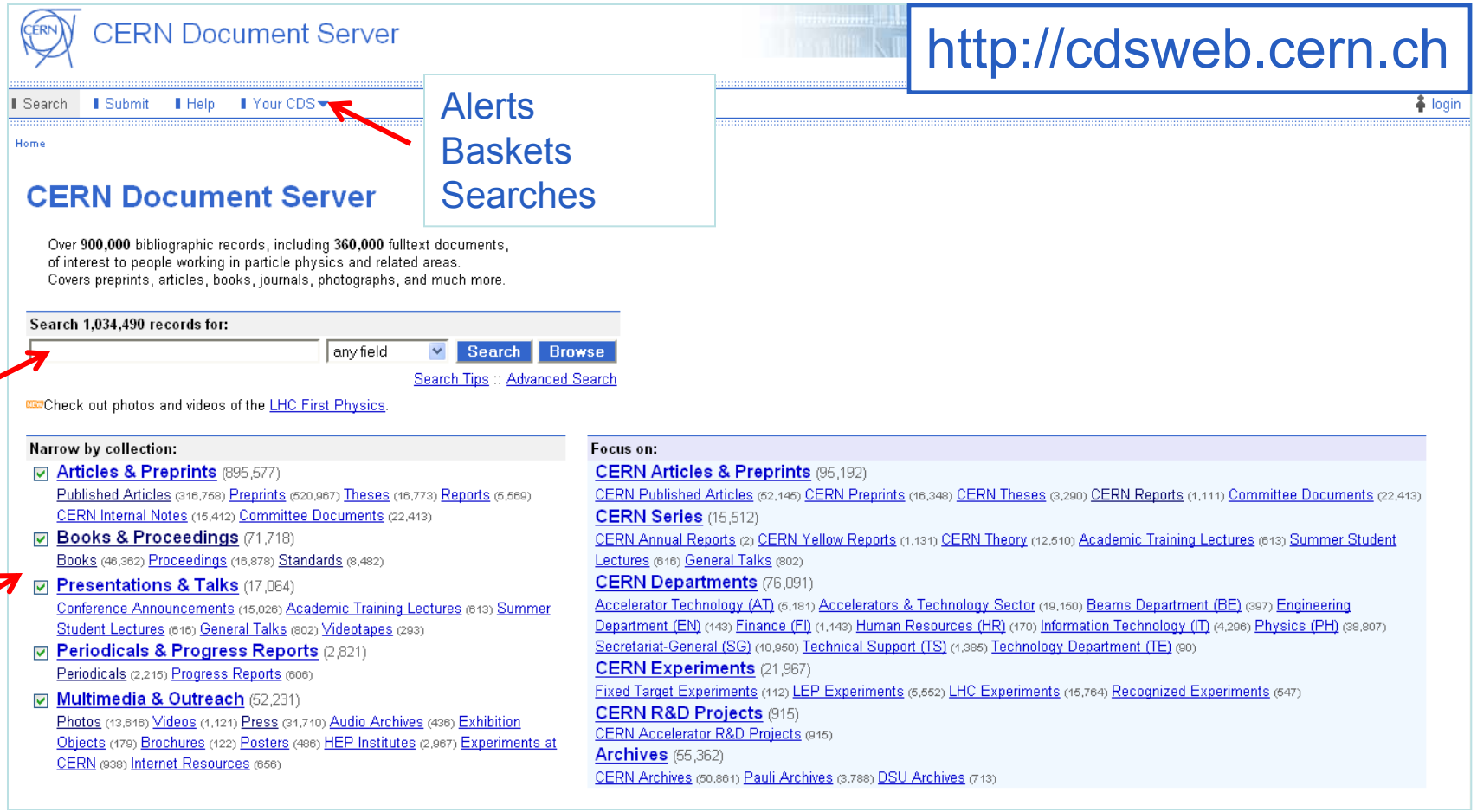
1. The Organization shall provide for collaboration among European States in nuclear research of a pure scientific and fundamental character, and in research essentially related thereto. The Organization shall have no concern with work for military requirements and the results of its experimental and theoretical work shall be published or otherwise made generally available.

Convention for the Establishment of a European Organization for Nuclear Research : Paris, 1st July 1953

Our collections

- Books and ebooks
  - 15,000 ebooks (O'Reilly books, Springer MyCopy NEW!)
- E-journals and magazines
  - APS, Elsevier, IEEE, Springer, CUP, OUP…
- Online dictionaries and encyclopedias
- Style manuals
  - Chicago Manual of style online
- Theses, articles and unpublished material
- Multimedia content

CERN Document Server



Information | Discussion | Files | Holdings

Bookshop

Title	**Particle Detectors**
	This book at Amazon
Edition	2nd ed.
Author(s)	Grupen, Claus ; Shwartz, Boris
Imprint	Cambridge, Cambridge Univ. Press, 2008. - 651 p.
Price(s)	125.00CHF Buy Now from CERN Bookshop
Subject category	Detectors and Experimental Techniques
Contact	bookshop@cern.ch
DOI	10.1017/CBO9780511534966 (full text)
	This book on Google Books

CERN library copies

Record created 2008-06-21, last modified 2011-04-14 Similar records

The Library everywhere

- CERN IPs (No password)
- Remote access (CERN computer account) NEW!
  - Quick and easy to implement on your computer
  - Transparent access to your favorite resources
  - Help at http://library.web.cern.ch/library/Library/remote.html
- Request a book from your office

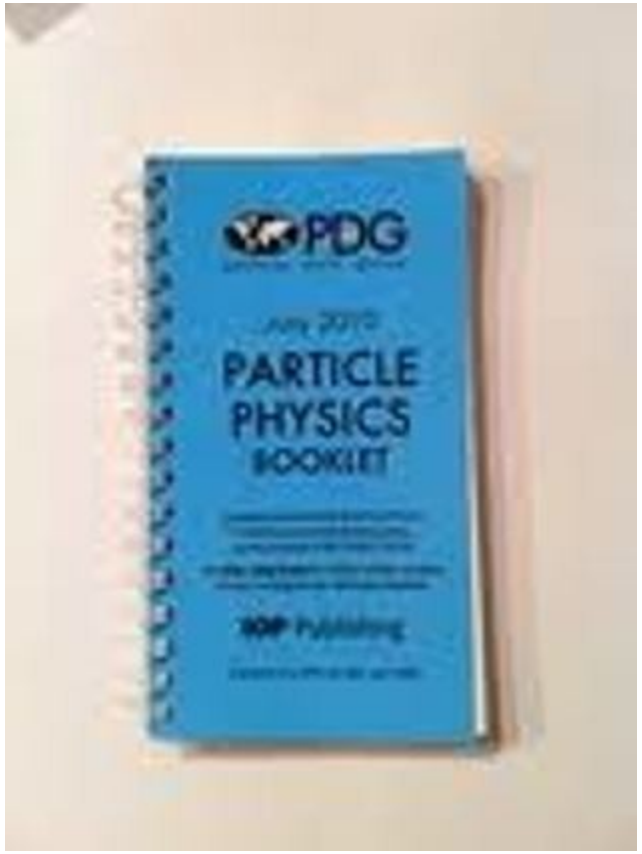
Particle Detectors; 2nd ed. - Grupen, Claus *et al*

Options	Library	Collection	Location	Description	Loan period	Status	Due date	Barcode
Request	CERN Central Library	Monograph	539.1.074 GRU	-	4 weeks	on shelf	-	CM-B00041483
Request	CERN Central Library	Monograph	539.1.074 GRU	-	4 weeks	on shelf	-	CM-B00039781
Request	CERN Central Library	Monograph	539.1.074 GRU	-	4 weeks	on shelf	-	CM-B00040348
Request	CERN Central Library	Monograph	539.1.074 GRU	-	4 weeks	on loan	2011-07-05	CM-B00040445

An example: some statistics books, papers

- G. Cowan, *Statistical Data Analysis, Clarendon, Oxford, 1998*
- R.J. Barlow, Statistics, A Guide to the Use of Statistical in the Physical Sciences, Wiley, 1989
- L. Lyons, *Statistics for Nuclear and Particle Physics, CUP, 1986*
- F. James, *Statistical Methods in Experimental Physics, 2nd ed.,* World Scientific, 2007; (W. Eadie et al., 1971*).*
- S. Brandt, *Statistical and Computational Methods in Data Analysis, Springer, New York, 1998 (with program library on CD)*
- K. Nakamura *et al. (Particle Data Group), Review of Particle Physics, J. Phys. G 37, 075021 (2010)****; see also pdg.lbl.gov*** sections on probability statistics, Monte Carlo

K. Nakamura et al. (Particle Data Group), Review of Particle Physics 2010



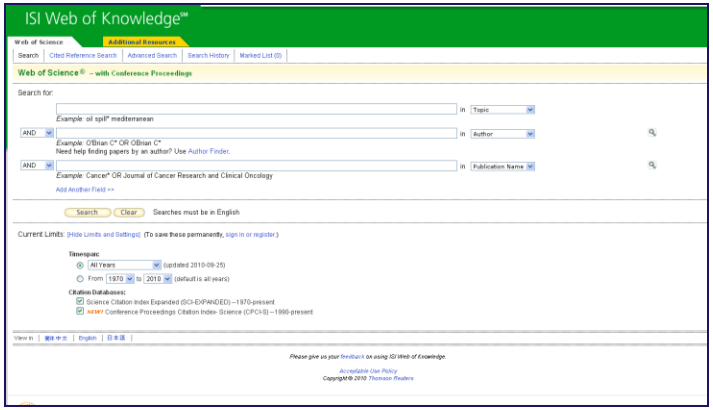
Online databases

- Web of Science (all science)
- INSPEC (Physics, Electronics, Computing)
- Compendex (Engineering)

➢ http://library.web.cern.ch/library/Library/databases.html

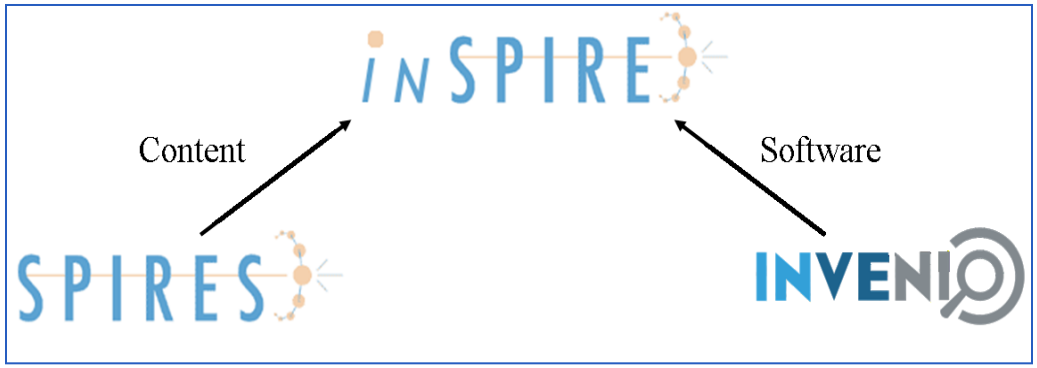
Web of Science

- A collection of several databases
  - Science Citation Index
  - Journal Citation Reports
- Features:
  - Subject, author and title searches
  - List of papers citing a specific article
  - analytical tools allow you to produce statistics and graphs describing the impact of a publication



➢ http://isiknowledge.com/

INSPIRE, next generation HEP literature database



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http://inspirebeta.net/

More than shelves and links

- Looking for an article or a book we don't have?
  - Interlibrary loan service
  - Free of charge, quick and reliable (high success rate)

- Looking for a specific topic?
  - Ask Librarians and challenge them
  - Library.desk@cern.ch
  - Call 72444 or come to meet us (52-1-052)

Building your own Library

- Bookshop
  - Bookshop located in the Central Library (52-1-052)
  - Open 8.30am to 7pm
  - Physics, engineering, computing, mathematics…
  - Payment by cash (bank account) or CERN Budget code
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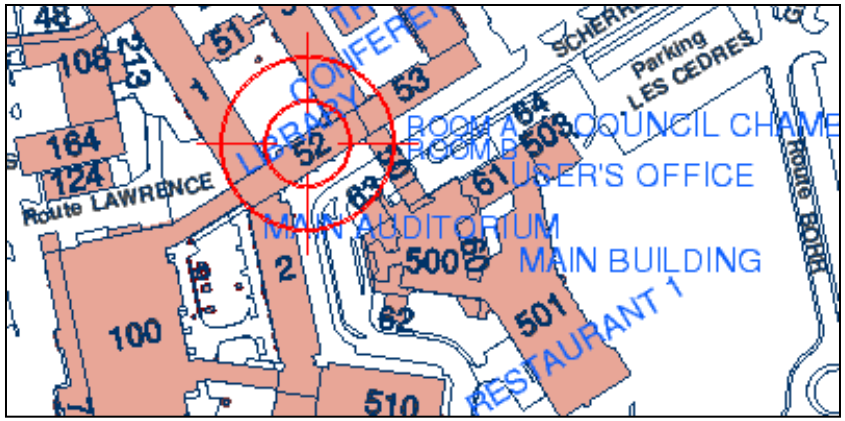
  - http://cdsweb.cern.ch



Library open 24/24 & 365/365

Library and Bookshop staffed Monday to Friday 8h30-19h00

Questions?