Introduction to Library Resources in Physics and Astronomy

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Physics and Astronomy: Indexes & Databases

Rutgers Restricted Indexes & Databases

See a full list of Indexes and Databases available at Rutgers, click here.

- IEEE Xplore
  
  The IEEE/IEE Electronic Library (EI) is a collaboration between the Institute of Electrical and Electronics Engineers (IEEE) in the US and the Institution of Engineering and Technology (IET) in the UK. It covers more than 30% of the world's literature in electrical engineering, electronics, computer science, information science, materials science, physical sciences and biomedical engineering. The database allows for full text access to over 140 journals, over 800 conference proceedings and 800 standards from more than 36 not-for-profit IEEE societies and IEE.

- INSPEC
  
  INSPEC provides the leading English-language bibliographic access to the world's scientific and technical literature in physics, electrical engineering, electronics, communications, control engineering, computers, computing, and information technology. In addition, there is significant coverage in materials science, oceanography, nuclear engineering, geophysics, biomedical engineering and

Freely Accessible Indexes & Databases

- arXiv
  
  arXiv is a pre-print repository that provides open access to over 1 million e-prints in Physics, Mathematics, Computer Science, Quantitative Biology, Quantitative Finance and Statistics.

- Astrophysics Data System
  
  ADS is a Digital Library portal for researchers in Astronomy and Physics. It maintains three bibliographic databases containing more than 8.5 million records: Astronomy and Astrophysics, Physics, and arXiv e-prints.

- HEPDATA: Reaction Data Database
  
  HEPDATA is a database containing numerical reaction data such as cross sections (differential and total), polarization measurements, structure functions, fragmentation functions etc.

- INSPIRE (formerly SPIRES): High-Energy Physics Literature Database
  
  SPIRES HEP is a joint project of SLAC, DESY & FNAL as well as the worldwide HEP community. Besides HEP search, it also offers search for HEPName,
Databases to consider:

Rutgers restricted- log in through the Libraries website if not on campus

IEEE Xplore  [http://www.libraries.rutgers.edu/indexes/ieee](http://www.libraries.rutgers.edu/indexes/ieee)
Quantum computing, semiconductors, nanomaterials, biological physics

MathSciNet  [http://www.libraries.rutgers.edu/indexes/mathscinet](http://www.libraries.rutgers.edu/indexes/mathscinet)

Web of Science  [http://www.libraries.rutgers.edu/indexes/web_of_science](http://www.libraries.rutgers.edu/indexes/web_of_science)
Useful for cited reference searches

SciFinder  [http://www.libraries.rutgers.edu/indexes/scifinder_scholar](http://www.libraries.rutgers.edu/indexes/scifinder_scholar)
Chemistry- use for condensed matter physics

- Need to create account- must be on campus, use Rutgers e-mail to register  [(See instructions for creating an account)](http://www.libraries.rutgers.edu/indexes/)
- After initial registration, can use off campus
Welcome to INSPIRE, the High Energy Physics information system. Please direct questions, comments or concerns to feedback@inspirehep.net.

Easy Search Interface

Easy Search

Welcome to Easy Search of HEP.

Author: gilman, r
Title: 
Report Number: 
Affiliation: rutgers
Collaboration: 
Keywords: 
Eprint: Any Type  Number
Topcite: Don't care
Journal: Any Journal  vol[ ]  pg[ ]
Date: 

Search
ADS- Astrophysics Data System

http://adswww.harvard.edu/

Welcome to the Digital Library for Physics and Astronomy

This site is hosted by the High Energy Astrophysics Division at the Harvard-Smithsonian Center for Astrophysics

The SAO/NASA Astrophysics Data System (ADS) is a Digital Library portal for researchers in Astronomy and Physics, operated by the Smithsonian Astrophysical Observatory (SAO) under a NASA grant. The ADS maintains three bibliographic databases containing more than 11.6 million records covering publications in Astronomy and Astrophysics, Physics, and the arXiv e-prints. Abstracts and full-text of major astronomy and physics publications are indexed and searchable through the new ADS "Bumblebee" interface as well as the traditional "Classic" search forms. A set of browseable interfaces are also available.

In addition to maintaining its bibliographic corpus, the ADS tracks citations and usage of its records to provide advanced discovery and evaluation capabilities. Integrated in its databases, the ADS provides access and pointers to a wealth of external resources, including electronic articles available from publisher's websites, astronomical object information, data catalogs and data sets hosted by external archives. We currently have links to over 11.2 million records maintained by our collaborators.
ADS- try the new Bumblebee search
https://ui.adsabs.harvard.edu/
Preventing Plagiarism

Physics Education Research Guide may be helpful for TAs

Harvard Guide to Avoiding Plagiarism

Rutgers Plagiarism Policy

Avoiding Plagiarism handout
UNC Chapel Hill

Resources for Preventing Plagiarism University of Washington Libraries

Citation Managers

Comparing Zotero, Mendeley, and Endnote Web

Citation Management Tools available through Rutgers Libraries

LaTeX Basics for Students
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