

# Le traitement de la littérature scientifique au CERN

# Le CERN, un laboratoire, deux archives de publication

- CDS (CERN Document Server) :  
institutionnelle, dédiée aux documents CERN
- Inspire : thématique, partagée avec quatre autres laboratoires dans le monde

## CERN Document Server

Access articles, reports and multimedia content in HEP

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Search 660,798 records for:

Search

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### Articles & Preprints (419,423)

Published Articles (179,958) Preprints (137,861) Theses (8,773) Reports (6,255)  
CERN Notes (73,257) Committee Documents (27,511)

### Books & Proceedings (151,618)

Books (114,291) Proceedings (23,588) Standards (13,487) Design Reports (253)

### Presentations & Talks (17,458)

Conference Announcements (7253) Academic Training Lectures (866)  
Summer Student Lectures (1,478) General Talks (7,859) E-learning modules (47)

### Periodicals & Progress Reports (2,402)

Periodicals (2,323) Progress Reports (79)

### Multimedia & Outreach (105,196)

Photos (17,919) Press (70,535) Audio Archives (504) Exhibition Objects (319)  
Posters (1,004) Brochures (243) HEP Institutes (2,980) Experiments at CERN (1,246)  
Education and Outreach Resources (118) Video Lectures (10,386) Graphics (0)

Videos collection has been moved to: [videos.cern.ch](https://videos.cern.ch)

### CERN Articles & Preprints (216,781)

CERN Published Articles (96,438) CERN Preprints (22,054) CERN Theses (8,597) CERN Reports (1,816) CERN Notes (73,257) Committee Documents (27,511)

### CERN Series (33,249)

CERN Annual Reports (128) CERN Yellow Reports (1,191) CERN Yellow Report Articles (7,464) CERN Theory (14,499) Academic Training Lectures (866)  
Summer Student Lectures (1,478) General Talks (7,859)

### CERN Departments (286,595)

Research & Computing Sector (132,935) Physics (EP) (28,538) Theoretical Physics (TH) (14,311) Information Technology (IT) (75,602)  
Accelerators & Technology Sector (23,703) Beams Department (BE) (1,591) Engineering Department (EN) (646) Technology Department (TE) (200)  
Directorate Services Unit (27,977) International Relations (88,844) Procurement and Knowledge Transfer (13,166) Human Resources (HR) (1,444)  
Finance and Administrative Processes (FAP) (66) Pension Fund (0)

### CERN Accelerators (33,487)

All CERN Accelerators documents (28,756) PS Complex (2,029) SPS and CNGS (7,500) LHC (4,700) Projects, Upgrade and Consolidation Projects (885)  
R&D and Studies (255) EU Funded Projects (1,236) Decommissioned Facilities (2,841) Accelerators and Facilities outside CERN (18)  
Technologies, Systems, Accelerator Physics and Processes (5,538)

### CERN Experiments (92,466)

LHC Experiments (75,657) LEP Experiments (10,608) SPS Experiments (1,466) PS Experiments (725) ISOLDE (3,177) MEDICIS Internal Notes (23)  
Recognized Experiments (835) CERN Test Beams (12)

### CERN R&D Projects (4,586)

EU Projects (3,129) CERN Detector R&D Projects (692) CERN Accelerator R&D Projects (1,434)

#### JUMP TO

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# CDS

# Inspire

## HEP Search High-Energy Physics Literature Database

Use "find" for SPIRES-style search ([get the tips](#))

[find j phys rev let 1997](#) - [more](#)

### HOW TO SEARCH

**SPIRES syntax is (mostly) supported (requires "find")**

- find a richter, b and 1 quark and date > 1994
- find j phys rev\_D50,1140 or j hep,0903,112
- find eprint arxiv:1007.5048 (Note the plots available on the detailed record)
- find fulltext "quark-gluon plasma" (Note new "fulltext" operator)
- find a ellis and refersto a witten (Note "refersto")
- find a kane and citedby title SUSY and topic200+ (Note "citedby")

**New techniques:**

- 1986 richter quark multiplicity
- arXiv:1007.5048
- citedby author ellis -refersto author witten
- author randall | author sundrum cited 450->1350

**Additional help:**

- More search tips and full help

### INSPIRE UPDATES

See our [blog at blog.inspirehep.net](#) for updates on new features and other news. You can also follow us at [@inspirehep](#) on twitter. To send us feedback use [feedback@inspirehep.net](mailto:feedback@inspirehep.net). The data in INSPIRE is updated daily. To request corrections to data in INSPIRE, write us at [help@inspirehep.net](mailto:help@inspirehep.net). INSPIRE superseded SPIRES in 2012.

### HEP

- Additions
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### RESOURCES

- ADS
- arXiv
- HepData
- INS
- PDG
- PDG review of online resources

### INSPIRE NEWS

2019-05-02 The most highly cited 2018 hep-ex papers: [#topcites @CERN @Fermilab @kek\\_en... https://t.co/IZq4Agq5j#](https://t.co/IZq4Agq5j)

2019-05-01 Bleicher et al. 1995 @physug article "Relativistic hadron hadron collisions in the ultrarelativistic quantum molecu... <https://t.co/uesgCah4DF>

2019-04-30 The most highly cited 2018 hep-ph papers: [#topcites https://t.co/8dBTfUz4we](https://t.co/w6Lp1YkUA)

## Discover High-Energy Physics content

INSPIRE beta provides a sneak preview of new features currently under development.

Literature ▾



### How to search

#### SPIRES style search examples:

- Author name: a witten
- Title: t A First Course in String Theory
- Exact author name: ea ellis, j
- Date: d 2015+

#### Free text search examples:

- n=2 pedastrians tachikawa
- superconformal field theories Maldacena 1997
- 1207.7214



# Inspire beta

# Comment les deux sont-elles alimentées ?

- Preprints en direct des utilisateurs / auteurs pour CDS
- Feed automatiques ou manuels en provenance d'arXiv et des principaux éditeurs en physique des particules pour Inspire

# Enjeux en termes de catalogage

- .Question des doublons
- .Question de l'expertise des utilisateurs, qui sont créateurs des documents dans CDS
- .Vérification des données transmises par les éditeurs (pas nécessairement complètes... ni correctes) dans Inspire

# Travailler avec deux archives de publication

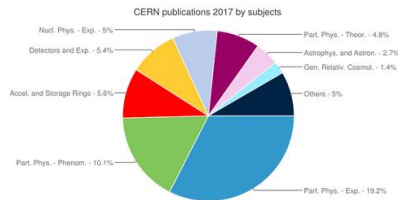
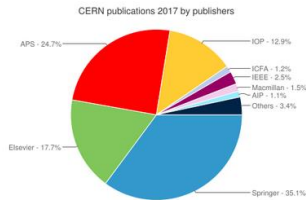
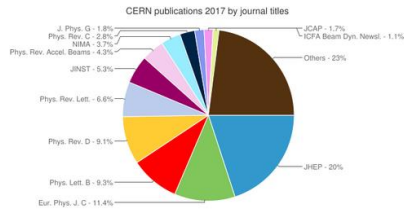
- .Deux formats de données différents
- .Synchronisation automatique pas possible, génère beaucoup de travail manuel

# Plus largement, la détection des articles CERN

- .Qu'est-ce qu'une publication CERN ?  
Affiliation, expériences, beamlines...
- .Détection rendue compliquée par le fait que beaucoup de publications proviennent d'utilisateurs non affiliés au CERN.



# Quelques chiffres



## List of CERN publications in 2017

2107<sup>Ⓢ</sup> CERN publications were selected for inclusion in the list corresponding to the CERN 2017 annual report. Of these 959<sup>Ⓢ</sup> were articles in journals, 1091<sup>Ⓢ</sup> were contributions published in conference proceedings, 52<sup>Ⓢ</sup> were reports, books, book chapters or conference proceedings.

337<sup>Ⓢ</sup> PHD Theses performed under partial CERN supervision were completed in 2017.

The distributions of journal articles published in 2017 by journal title, publisher and subject are shown below (note that conference papers are not taken into account).

CERN publications 2017:  
Distribution across journals

Nb.	Journal title
192 <sup>Ⓢ</sup>	JHEP
110 <sup>Ⓢ</sup>	Eur. Phys. J. C
89 <sup>Ⓢ</sup>	Phys. Lett. B
87 <sup>Ⓢ</sup>	Phys. Rev. D
63 <sup>Ⓢ</sup>	Phys. Rev. Lett.
51 <sup>Ⓢ</sup>	JINST
41 <sup>Ⓢ</sup>	Phys. Rev. Accel. Beams
36 <sup>Ⓢ</sup>	Nucl. Instrum. Methods Phys. Res., A
27 <sup>Ⓢ</sup>	Phys. Rev. C
17 <sup>Ⓢ</sup>	J. Phys. G
16 <sup>Ⓢ</sup>	JCAP
11 <sup>Ⓢ</sup>	ICFA Beam Dyn. Newsl.

# Questions?