

Revisiting the Values of Institutional Repositories

だが、留学に期待する最大の恩恵は、進んだ情報を本場で得る輸入業にはない。異文化からもたらされる知識は、加算的に作用して既存の世界観を豊かにするのではない。**新しい知識を加えるのではなく、今ある価値体系を壊す。これこそが留学の目的だ。**

科学や学問の進歩に貢献するのは、新事実の発見だけではない。**より重要なのは、事実を把握する思考枠の見直し、つまりメタレベルでの再構築である。**

小坂井敏晶 『答えのない世界を生きる』 より

Background

JPCOAR

2020- : Repository Workflow Development Team

2018-2019: Green Open Access Analytical Team

2017-2018: JAIRO Cloud-ORCID Task Force

Library

2015.4- : Hokkaido University Library
(Currently in Cataloging Section)

Academic



2015.3 : Ph.D. (Sci.) Hokkaido University

Institutional Repository & Open Access Expedition 2020









2 February

2020

SUN	MON	TUE	WED	THU	FRI	SAT
9	10	11	12	13	14	15 
16 	[Green bar]			[Blue bar]		22
23	[Blue bar]					29

3 March

2020

SUN	MON	TUE	WED	THU	FRI	SAT
1	[Blue bar]					7 
8 	9 	10	11	12 	13	14 
15 	[Grey bar]					21
22	[Grey bar]					28
29	[Grey bar]					4

International Digital Curation Conference

Collaboration in CERN

Visit to ETH Zurich Library

Open Science Conference

Visit to Max Planck Digital Library

Self quarantine

Conferences & Interviews

International Digital Curation Conference

FAIRsFAIR

- FAIR training tool in development: who to share, where to deposit
- Data curation = metadata
No more than 10-20 min
- Pull-down? Accuracy and easiness
- No one wants to be police
- PhD education

RDM/DMP

- No relation between DMP quality and funding (Norway, US)
- DMP goals is to be accepted; Scientific outcomes are the priority
- Legal risks in SSH domain

Open Science

- 85 % researches are wasted
Loss of 10.2bn Euro without FAIR
- PhD education



International Open Science Conference

Open Science

- Needs rewards and recognition
 - Support to researchers
 - Legal and funding questions
 - Institutional resistance
- 4 barriers
- awareness
 - relevance
 - effectiveness
 - sustainability

Open data

- Qualitative data?
- Open data for citizen science

2nd day

---Closed---



IR : Leave it as a choice for OA



ETH Zürich Library

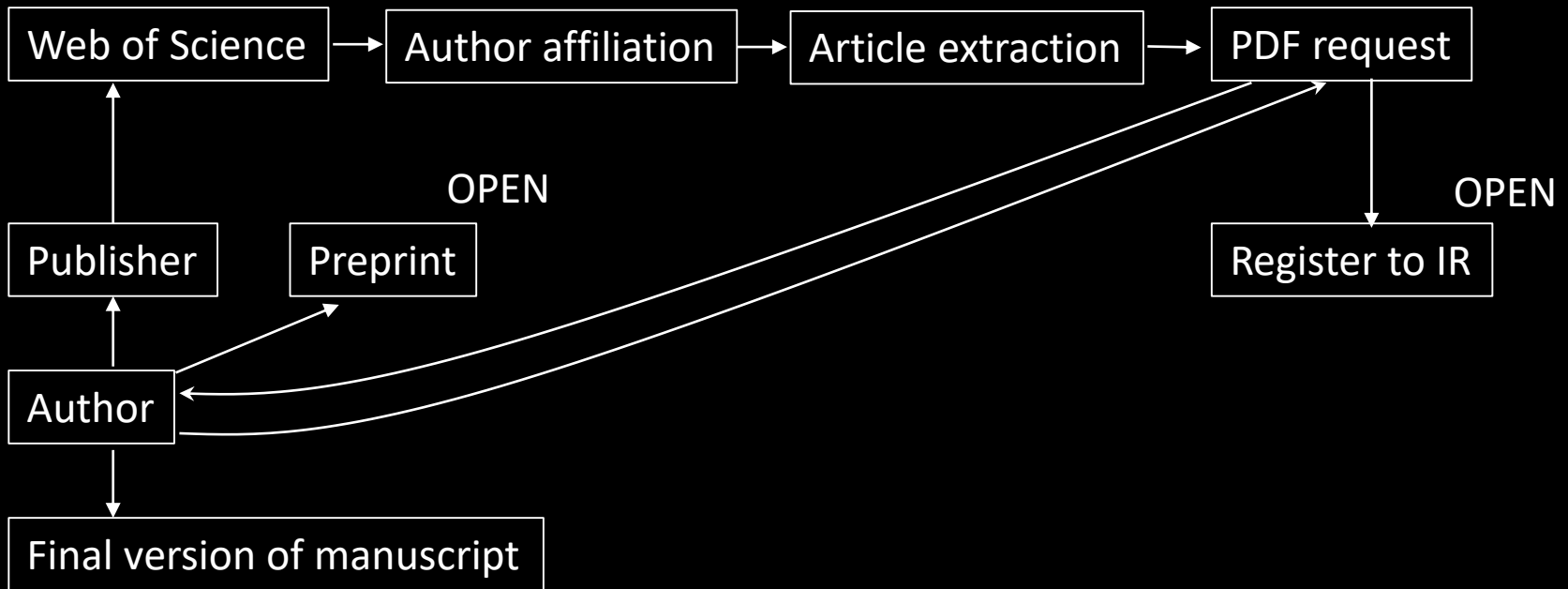
- Scientific activity documenting system mandatory for all faculty members
- IR as a choice for OA
(No PDF request e-mail to authors)

Max Planck Digital Library

- Green OA cannot be a solution of open access: OA2020 is the best way
- Time to think the purpose/value of IRs



Japan's standard workflow (for STEM)



ETHZ, CERN's way

Research activity
documenting system

This will be emerging in Japan in accordance with the wide spread of RDM system.

Researchers chose any way of open access:
Gold OA, IRs, other repository, self-archive

Paradigm Shift

Community driven ← IR driven

SSH : Priority, more active use

STEM : "Leave IR as a choice" policy

IRでの論文の利用状況

結果

方法: 京都大学のIRであるKURENAIのアクセスログ(2017/2/27~2019/9/30)を分析して、IRでの異なるOA種別のあいたのアクセス数の差異を観察

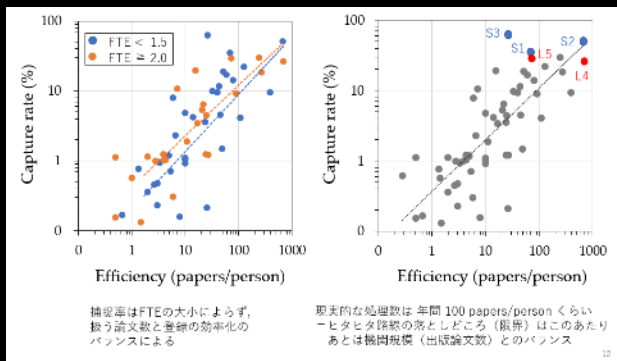
結果: 特に機関リポジリのみでOAである論文のアクセス数が多い

- 論文のOA版の提供を著者へ依頼する際には、各論文のOA状況を把握しOA版が存在しないものを優先して依頼することが望ましい
- このことは利用者からの需要に応えること、さらには機関リポジリのプレゼンスの向上につながる

表: OA種別ごとの機関リポジリでのアクセス数の平均と標準偏差

OA種別	論文件数	アクセス数
全体	8,333	135,82 (155,05)
ゴールド	3,003	157,74 (163,64)
ハイブリッド	568	106,23 (146,42)
ブロンズ	340	134,06 (142,49)
グリーン	4,260	200,00 (179,26)
ゴールド	303	132,00 (179,26)
その他	0	—
DOI付機関OA・ライセンス付	3,326	158,81 (160,67)
DOI付機関OA・ライセンス付	12	184,33 (163,25)
その他OA・ジャーナル掲載論文・ライセンス付	60	142,67 (140,41)
その他OA・ジャーナル掲載論文・ライセンス付	230	136,35 (95,80)
機関リポジリでOAである論文	6,434	196,52 (174,53)
機関リポジリ以外でOAである論文	6,351	149,01 (154,14)
機関リポジリでOAである論文	5,418	178,33 (149,00)
機関リポジリ以外でOAである論文	5,115	174,77 (146,74)
機関リポジリでOAである論文	2,379	202,75 (202,74)

Nishioka (2020)



Maeda (2020)

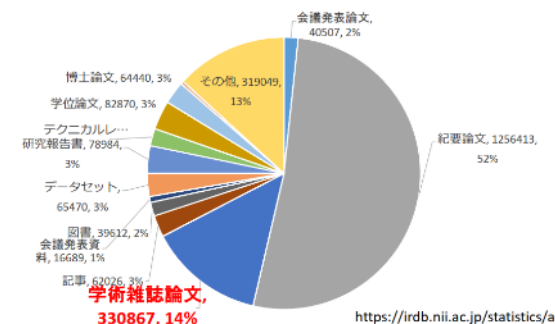
前半のまとめと課題

- グリーンOA推進のための活動としては「学術雑誌論文提供依頼」が有効
- しかし…労力を要する「学術雑誌論文提供依頼」の普及は困難
- 「学術雑誌論文提供依頼」の省力化を可能にするJCのサポート機能が必要

Kawai (2020)

日本の状況

機関リポジリ登録コンテンツの資源タイプ別集計 (2020年4月)



人文系研究者からの反発

「研究助成金と連動させて、APCに基づくゴールドOAを推進しようというPlan Sモデルは、STEM分野には適切なものかもしれないが、人文科学分野は到底受け入れられない。何故なら、この分野では、助成金によって研究を行うことが一般的ではない。さらに、人文科学分野では、研究者が助成金を獲得する機会が限られているので、グリーンOAや著者以外の機関や団体などが出版費を負担するOAモデルの方が、より適切な選択だ。」

Towards a Plan(HS): DARIAH's position on Plans S DARIAH-EU, 2018-10-25.
https://www.dariah.eu/2018/10/25/towards-a-planhss-dariahs-position-on-plans/

Ojiro (2020)



Accelerating Science

through the collaboration of CERN and Japan

Jun Maeda
Hokkaido University

CERN's background

Conseil Européen pour la Recherche Nucléaire



1949 WWII ended



1949 WWII ended

1954 CERN established, "Science for Peace"

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.

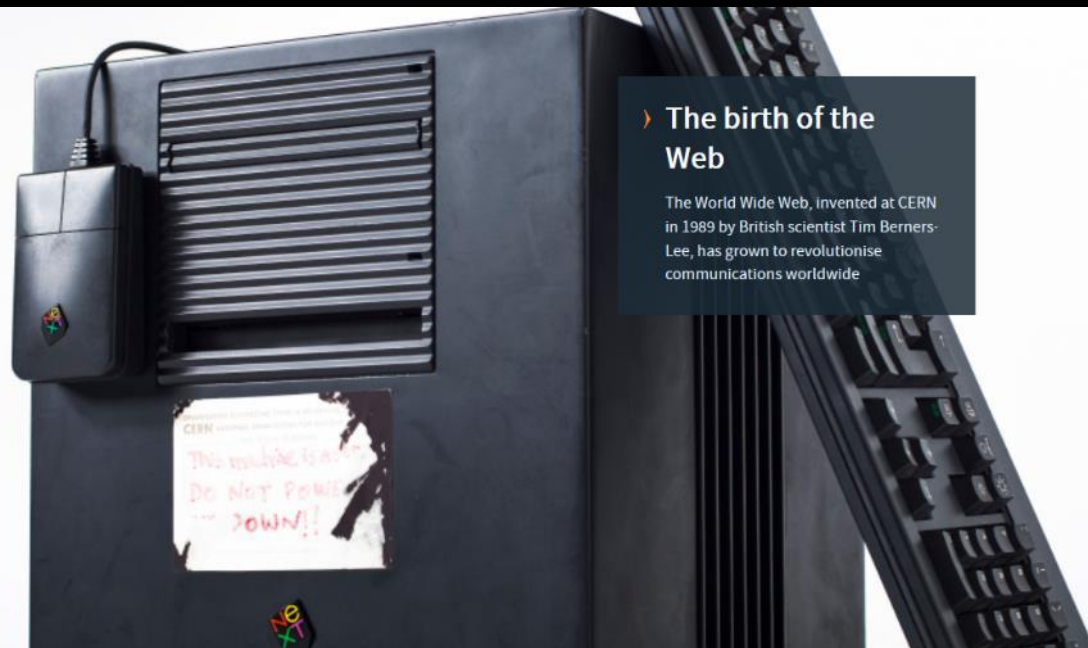
The Organization shall have no concern with work for military requirements and the results of its experimental and theoretical work shall be published or otherwise made generally available.

2. The Organization shall, in the collaboration referred to in paragraph 1 above, confine its activities to those set out in paragraphs 3, 4 and 5 of this Article

1949 WWII ended

1954 CERN established, "Science for Peace"

1989 World Wide Web invented



› The birth of the Web

The World Wide Web, invented at CERN in 1989 by British scientist Tim Berners-Lee, has grown to revolutionise communications worldwide

Place of Openness

Article II

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Science for Peace



World Wide Web

1949 WWII ended

1954 CERN established, "Science for Peace"

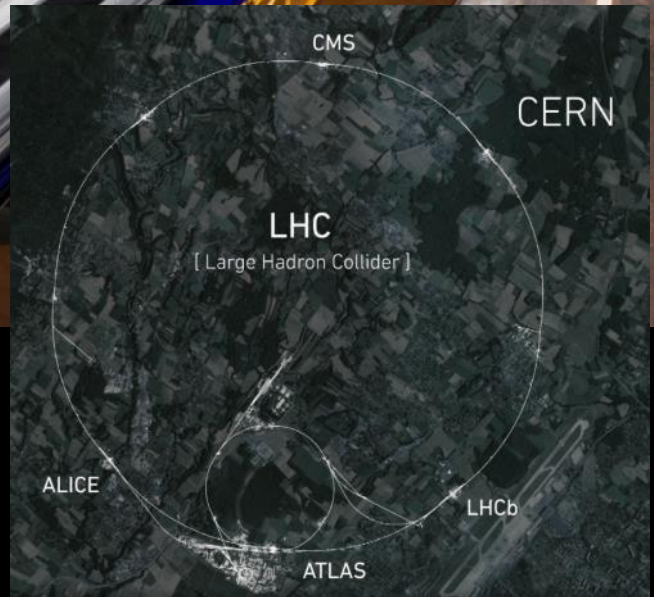
1989 World Wide Web invented

2008 **LHC started running**



› The Large Hadron Collider

The 27-kilometre LHC is the world's largest particle accelerator. It collides protons or lead ions at energies approaching the speed of light



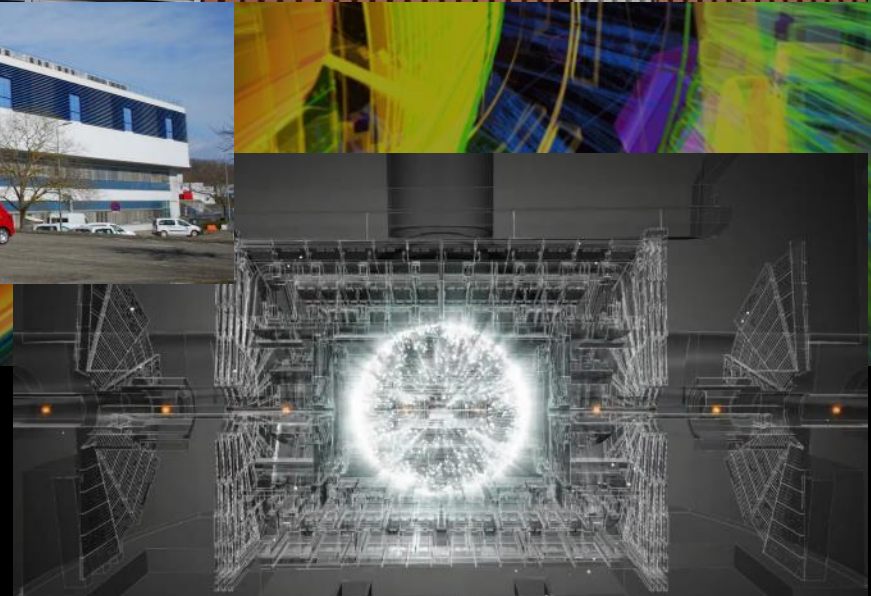
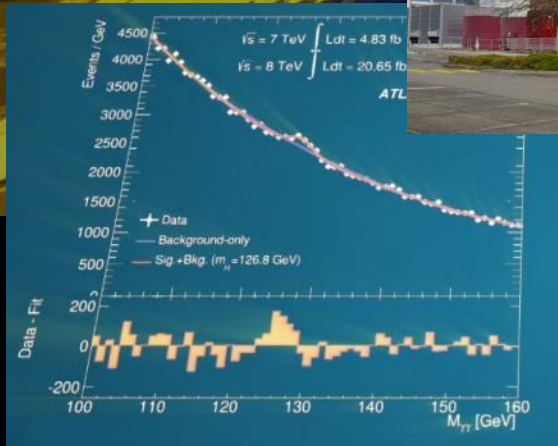
1949 WWII ended

1954 CERN established, "Science for Peace"

1989 World Wide Web invented

2008 LHC started running

2012 Higgs Boson discovered



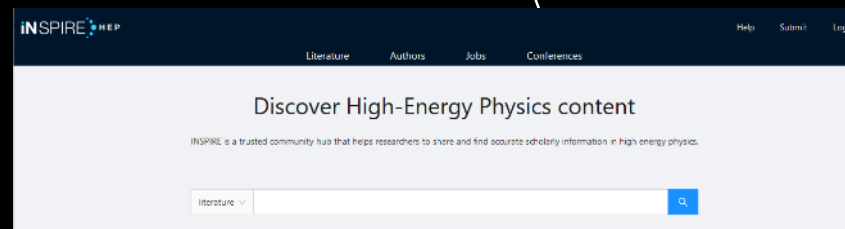


Experiments

- Where physical collision becomes data



INSPIRE



- Where knowledge becomes heritage

Data Centre

- Where data becomes knowledge



INSPIRE

INSPIRE

- Main high energy physics (HEP) information platform:
literature, author, institutions, jobs
- Since 2012; Updated 2020.3
- Freely available
- Run by 5 partners



- 50000 active users
- 13000000 bibliographic records
 - arXiv preprints (97%)
 - Published papers (60% of arXiv → 40% arXiv records)
 - Theses
 - Conference proceedings
- 120000 author records
- 23000000 citations
- 200000 searches / day

Discover High-Energy Physics content

INSPIRE is a trusted community hub that helps researchers to share and find accurate scholarly information in high energy physics.

literature ▾



How to Search

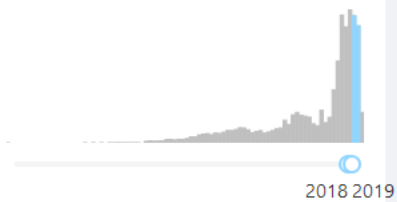
INSPIRE supports the most popular SPIRES syntax operators and free text searches for searching papers.

SPIRES

free text

Search by	Use operators	Example
Author name	a, au, author, name	a witten
Title	t, title, ti	t A First Course in String Theory
Collaboration	cn, collaboration	cn babar
Number of authors	ac, authorcount	ac 1->10
Citation number	topcite, topcit, cited	topcite 1000+

Date of paper



Number of authors

- Single author 783
- 10 authors or less 4,483

Exclude RPP

- Exclude Review of Particle Physics 5,944

Document Type

- article 4,177
- published 3,827
- conference paper 1,690
- review 101
- book chapter 63
- thesis 28
- proceedings 24

5,945 results | cite all

🔍 Most Recent ▾

BV and BFV for the H-twisted Poisson sigma model #1

Noriaki Ikeda (Ritsumeikan U., Kusatsu), Thomas Strobl (ICJ, Lyon) (Dec 31, 2019)

e-Print: 1912.13511 [hep-th]

📄 pdf 📄 cite ✎ edit

↻ 0 citations

Notes on the Quantum Corrections of Swampland and Trans-Planckian Censorship Conjecture #2

Sichun Sun (INFN, Rome and Rome U.), Yun-Long Zhang (Kyoto U., Yukawa Inst., Kyoto) (Dec 31, 2019)

e-Print: 1912.13509 [hep-th]

📄 pdf 📄 cite ✎ edit

↻ 3 citations

Geometric crystals and cluster ensembles in Kac-Moody setting #3

Yuki Kanakubo, Toshiaki Nakashima (Dec 31, 2019)

Published in: *J.Geom.Phys.* 149 (2020) 103576

🔗 DOI 📄 cite ✎ edit

↻ 0 citations

Modular Parametrization as Polyakov Path Integral - Cases with CM Elliptic Curves as Target Spaces - #4

Satoshi Kondō (Tokyo U., IPMU and Unlisted, TR), Taizan Watari (Tokyo U., IPMU) (Dec 31, 2019)

e-Print: 1912.13294 [hep-th]

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↻ 2 citations

Lagrangian and Hamiltonian formulations for two interacting massless particles in de Sitter space #5

Naohiro Kanda (Nihon U., Tokyo), Satoshi Okano (Nihon U., Tokyo) (Dec 31, 2019)

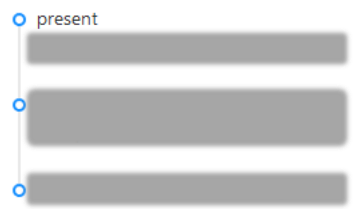
e-Print: 1912.13450 [hep-th]

Mairi Sakellariadou (King's Coll. London)

astro-ph hep-ph hep-th quant-ph

Author Identifier: [M.Sakellariadou.1](#)

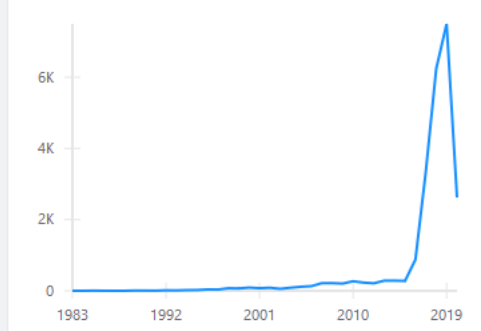
Advisor: Vilenkin, Alexander



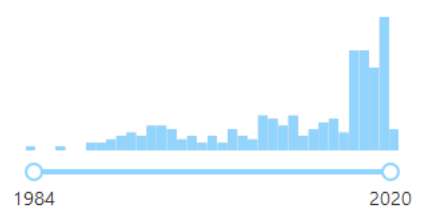
Show all positions (6)

   edit

Citations per year




Date of paper



Number of authors

- Single author 48
- 10 authors or less 174





265 results |  cite all

List Most Recent 

GW190412: Observation of a Binary-Black-Hole Coalescence with Asymmetric Masses #1

LIGO Scientific and Virgo Collaborations • [R. Abbott](#) (LIGO Lab., Caltech) et al. (Apr 20, 2020)





e-Print: [2004.08342](#) [astro-ph.HE]

 pdf  cite  edit  37 citations

Upper limits on the temperature of inspiraling astrophysical black holes #2

[Ka-Wai Chung](#), [Mairi Sakellariadou](#) (Mar 21, 2020)

e-Print: [2003.09778](#) [gr-qc]

 pdf  cite  edit  0 citations

Author disambiguation

J. Maeda











- Maeda Jiro
(前田 次郎、二郎、二郎)
- Maeda Jin
(前田 陣、仁)
- Maeda Jun
(前田 純、淳、潤)
- Maeda Jungoro
(前田 淳五郎、潤五郎)

Japan can help where INSPIRE needs help

Friend in need is a friend indeed, isn't it?

The author disambiguation problem

- To be useful, one profile should contain **all** papers of **one single** author
- Easy case: only one “Moskovic, M.”
- Hard case: “Zhang, J.”

72	J.Zhang.8	Zhang, Jingxi	 Recent Papers
73	J.Zhang.24	Zhang, Juyong	 Recent Papers
74	J.Zhang.14	Zhang, Jiehao	 Recent Papers
75	J.Zhang.34	Zhang, Juping	 Recent Papers
76	J.Zhang.1	Zhang, Jianfu	 Recent Papers
77	J.Zhang.47	Zhang, Junwei	 Recent Papers
78	J.Zhang.71	Zhang, Junjie	 Recent Papers
79	J.Zhang.44	Zhang, Jingye	 Recent Papers
80	J.Zhang.29	Zhang, Jifang	 Recent Papers
81	Jinlong.Zhang.1	Zhang, Jinlong	 Recent Papers

Moskovic (2018)

Disambiguating authors

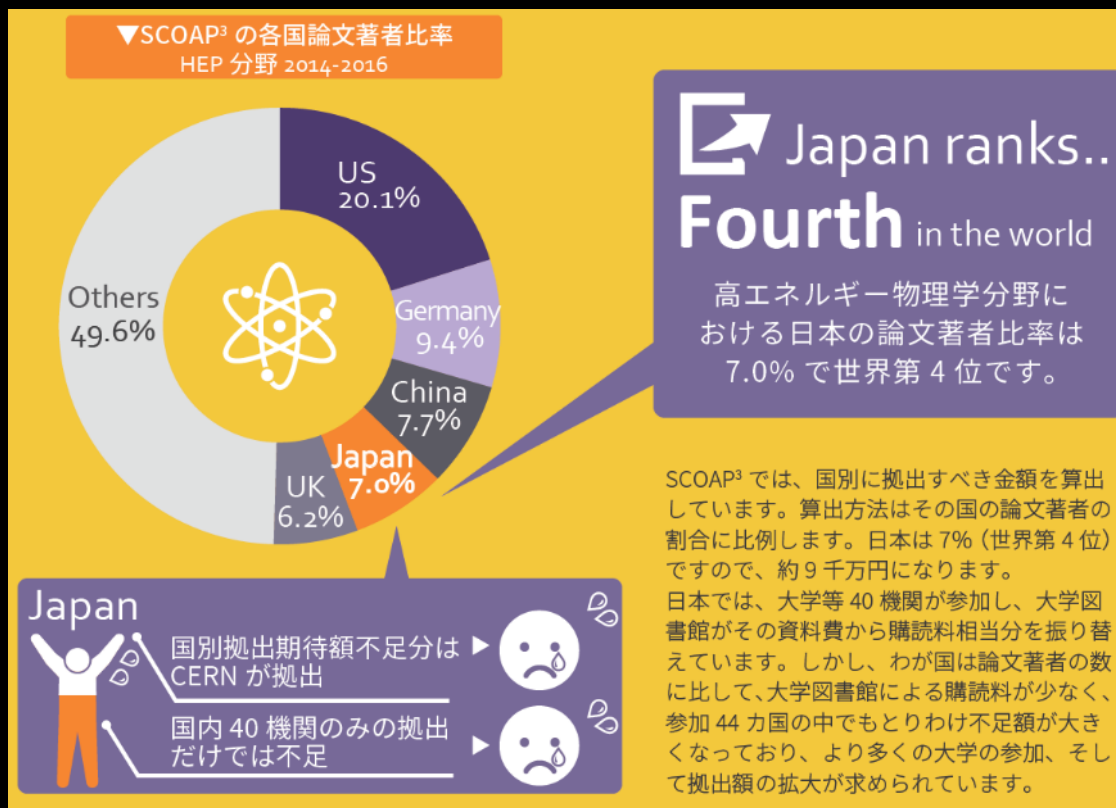
- Solving this requires lots of work from INSPIRE staff



- Good news, you can help make INSPIRE better!



SCOAP3: Curation for better cost estimation

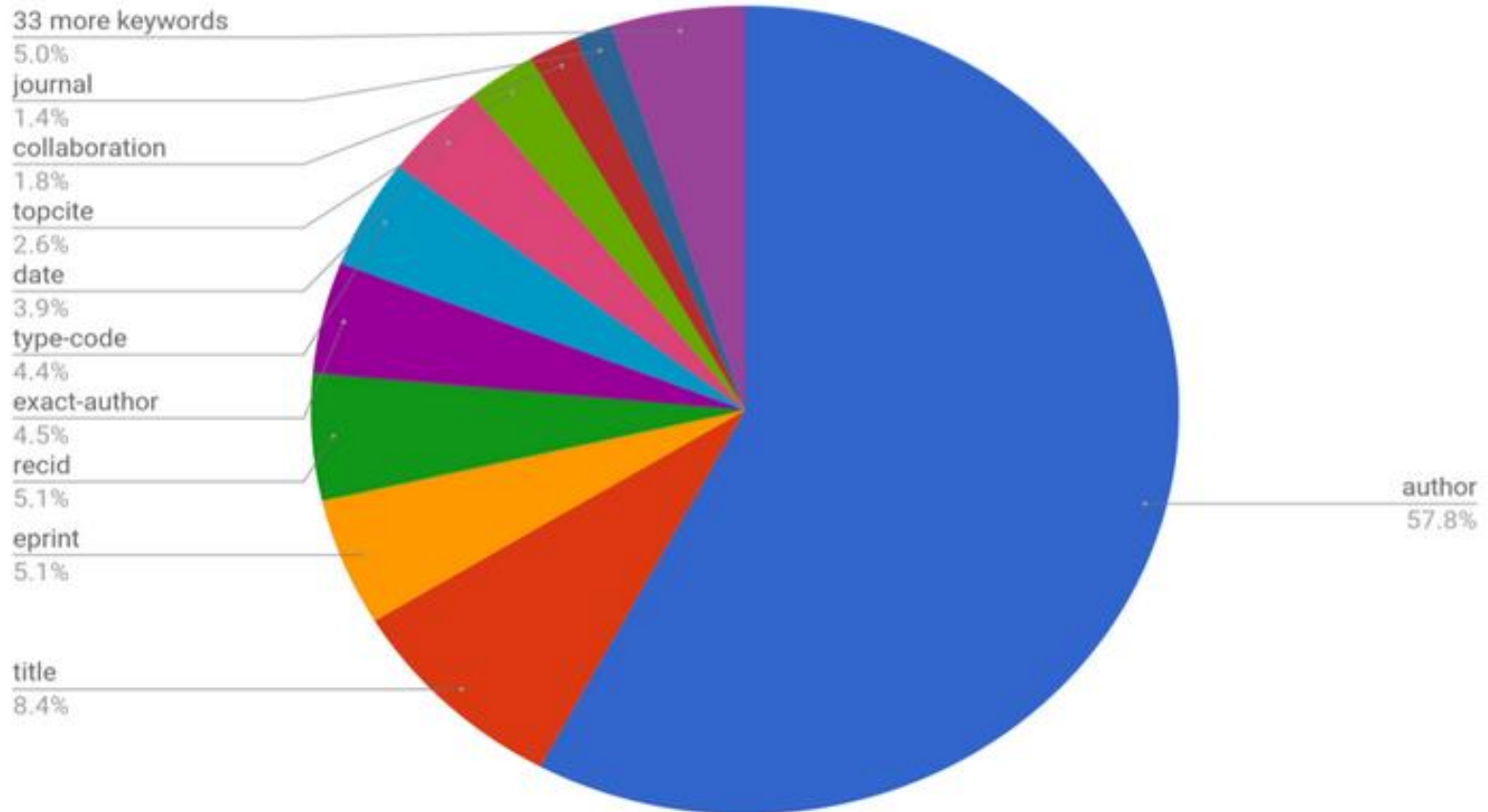


INSPIRE Collaboration



Accurate author records to support users' demand

Here is a graphical representation of our findings:



INSPIRE Curation in Practice

Let's see how it works...

Article Curation –Main

Save



New Ticket

Main

References

Authors

CURATED

CORE

CITEABLE

REFEREED

WITHDRAWN

DELETED

document type ▾

article

collections ▾

Literature

titles ▾

title

source

CP-odd Higgs boson production in $e\gamma$ collisions

Elsevier

CP-odd Higgs Boson Production in $e\gamma$ Collisions

arXiv

dois ▾

value

10.1016/j.physletb.2018.04.005

report numbers ▾

value

MISC-2017-10

arxiv eprints ▾

value

1712.00197

categories

hep-ph

Add new

inspire categories ▾

term

Phenomenology-HEP

public notes ▾

value

PDFLatex, elsarticle.cls used, 5 pages, 7 PDF figures. Revised

source

arXiv

arXiv

doi

1 of 6

Abstract

We investigate the
denote as A^0 , is ex
the Minimal Super
electroweak one-lo
large. There are no
section for the A^0 p

Keywords: CP-odd

1. Introduction

After the Higgs
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couplings were ex
in constructing a n
linder [3], which w
Along with e^+e^-

[hep-ph] 13 Mar 2018

Article Curation –References

Save



New Ticket

Main

References

Authors

references ▾

41 references

Find

All

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«

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1

2

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»

✓ [1] Phys.Lett.B 716 (2012) 1

Show Fields

✓ [1] Phys.Lett.B 716 (2012) 30

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✓ [2] Phys.Lett.B 726 (2013) 88

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✓ [2] Phys.Lett.B 726 (2013) 120

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✓ [2] Phys.Rev.Lett. 110 (2013) 081803

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⚠ [3]

Hide Fields

reference ▾	label ▾	3
	title ▾	title ▾
	authors ▾	full name

arXiv ↗

doi ↗

1 of 6

Abstract

We investigate the A^0 denote as A^0 , is expected the Minimal Supersymmetric electroweak one-loop large. There are no cross section for the A^0 production.

Keywords: CP-odd

1. Introduction

After the Higgs boson discovered by ATLAS and CMS, the couplings were examined in constructing a new scalar Higgs boson, which would be a Higgs boson. Along with e^+e^- collisions.

[hep-ph] 13 Mar 2018

Article Curation – Authors

Save

New Ticket

Main References Authors

collaborations

value +

Collaboration name

accelerator experiments

legacy name accelerator +

Identifier of the experiment on legacy

authors

2 authors

Find



<< < 1 > >>

full name

affiliations value record
Yokohama Natl. U. View institution

raw affiliations value
Dept. of Physics, Faculty of Engineering, Yokohama National University, Yokohama, 240-8501, Japan

emails value
@ac.jp

ids value schema
INSPIRE BAI

full name

affiliations value record
Kyoto Sangyo U. View institution

raw affiliations value
Kyoto U. (main) View institution

arXiv

doi

1 of 6

Abstract

We investigate the CP-odd Higgs boson A^0 , is expected in the Minimal Supersymmetric Standard Model (MSSM) with large $\tan\beta$. There are no constraints on the A^0 production cross section for the A^0 production.

Keywords: CP-odd Higgs boson

1. Introduction

After the Higgs boson discovery by ATLAS and CMS, the couplings were examined in constructing a new model, the Minimal Supersymmetric Standard Model (MSSM) [1], which would be a good candidate for the next collider [2]. Along with e^+e^- collisions, the

2 [hep-ph] 13 Mar 2018

Author Profile Curation

Personal Info

* Given Names: Jun

* Family Name: Maeda

* Display Name: Jun Maeda

Native Name: 前田 隼

Alternate Name: Names that are searchable

Emails: Email

+ Add new field

* Status: Active

ORCID : orcid.org/ 0000-0000-0000-0000

Personal Websites

Websites: http://researchmap.jp/

+ Add new field

Blog:

Linkedin: linkedin.com/in/

Twitter: twitter.com/



Online Help Tools

All messages

twitter New tweet by jazzwhiz

curator Investigating citation issues

Paulina Baranowska
 How do I deal with cases like for this author
<https://inspirehep.net/authors/990614#with-citation-summary> 260 papers in labs, 251 citeable, 204 pub
<https://old.inspirehep.net/author/profile/M.Sakellariadou.1> 265 papers in legacy, 255 citeable, 208 publi
 Why are there more papers assigned to the profile in legacy than in labs?

Citations diff
 100 citations in common on labs and legacy for record [1090761](#)
 0 citations only on labs:
 0 citations only on legacy:

Paulina Baranowska
 Also, this paper <https://inspirehep.net/literature/1090761> has been updated from 99 to 100 citations last
 author's citemsummary on labs, it still appears in the 50-99 citations column: <https://inspirehep.net/auth>
<https://old.inspirehep.net/citation-summary> even though it's been updated in legacy <https://old.inspirehep.net/search?p=author%3AK.Narayan.1%20AND%20collection%3Aciteable%20AND%20cited%3A100-%3E24>
 /search?p=author%3AK.Narayan.1%20AND%20collection%3Aciteable%20AND%20cited%3A100-%3E24
 trigger some synchronisation?

YESTERDAY TODAY

Micha Moskovic
 Reindexing solved both these issues. We need to figure out why sometimes records don't get indexed pr
 1

curator JHEP 2 digit vol Today

Thorsten 05:30
 @Kirsten related to recent ticket with bad pubnote and wrong ref matches
 amazingly I find only 3 other records with a 2 digit volume for JHEP/JCAP in pubnote

```
1387195 001387195 773__ $$c078$$pJHEP$$v03$$xJHEP 03 (2009) 078$$y2009
753877 000753877 773__ $$c006$$pJCAP$$v07$$y2007
1345006 001345006 773__ $$c002$$pJCAP$$v04$$xJCAP 04 (2015) 002$$y2015
```

Drafts New topic New private message Reply

Knowledge Base

Search the Knowledge Base

- INSPIRE 2.0 (1 Article)
- Mixed curation tips (10 Articles)
 - JSON schema
 - DOIs and HDLS
 - INSPIRE subjects list
 - Affiliation guesser
 - Errata, addenda, and corrigenda
 - View all
- Training (1 Article)
 - Tools (0 Articles)
 - Bibedit (0 Articles)
 - Curation (1 Article)
 - HEPJobs (1 Article)
 - INSPIRE Jobs Tutorial
 - HEP (0 Articles)
- Non-curation tips (1 Article)
- Twitter
- View all
- Training (53 Articles)
 - Tools (23 Articles)
 - Bibedit (8 Articles)
 - Create a new record

- Francesco Solitario
- Harris Tzovanakis
- Harun
- Heath O'Connell
- Hildegard Lünert
- Ilias Koutsakis
- Iuliana Teodora Voinea
- Invite more users

Japan's HEP records

2018-2019: 5945 papers

The issue is that INSPIRE needs

- native names
- e-mail addresses
- KAKEN IDs

for Japanese author disambiguation

Comparison of INSPIRE & JAIRO Cloud

CP-odd Higgs boson production in $e\gamma$ collisions

Ken Sasaki (Yokohama Natl. U.), Tsuneo Uematsu (Kyoto Sangyo U. and Kyoto U. (main))

Dec 1, 2017

6 pages

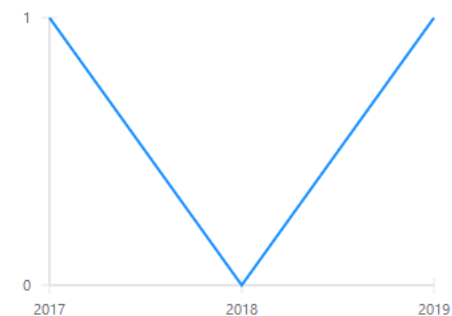
Published in: *Phys.Lett.B* 781 (2018) 290-294e-Print: [1712.00197](https://arxiv.org/abs/1712.00197) [hep-ph]DOI: [10.1016/j.physletb.2018.04.005](https://doi.org/10.1016/j.physletb.2018.04.005)

Report number: MISC-2017-10

View in: [ADS Abstract Service](#)

pdf cite

Citations per year



Abstract: (Elsevier)

We investigate the CP-odd Higgs boson production via two-photon processes in $e\gamma$ collisions. The CP-odd Higgs boson, which we denote as A_0 , is expected to appear in the Two-Higgs Doublet Models (2HDM) as a minimal extension of Higgs sector for which the Minimal Supersymmetric Standard Model (MSSM) is a special case. The scattering amplitude for $e\gamma \rightarrow eA_0$ is evaluated at the electroweak one-loop level. The dominant contribution comes from top-quark loops when A_0 boson is rather light and $\tan\beta$ is not large. There are no contributions from the W -boson and Z -boson loops nor the scalar top-quark (stop) loops. The differential cross section for the A_0 production is analyzed.

Note: PDFLaTeX, elsartide.cls used, 5 pages, 7 PDF figures. Revised arguments in sections 2 and 3. Added one figure and references. Results unchanged

[CP-odd Higgs production](#) [Two-photon fusion](#) [Transition form factor](#) [e \$\gamma\$ -collisions](#) [e \$\gamma\$ -collisions](#) [new physics](#) [photon electron: scattering](#) [photon electron: colliding beams](#)
[photon photon: fusion](#) [Higgs particle: production](#) [Show all \(16\)](#)

References (41)

Citations (2)

Figures (7)

Observation of a new particle in the search for the Standard Model Higgs boson with the ATLAS detector at the LHC

[1] ATLAS Collaboration • Georges Aad (Freiburg U.) et al.

Phys.Lett.B 716 (2012) 1-29 • e-Print: [1207.7214](https://arxiv.org/abs/1207.7214) • DOI: [10.1016/j.physletb.2012.08.020](https://doi.org/10.1016/j.physletb.2012.08.020) • <https://atlas.web.cern.ch/Atlas/GROUPS/PHYSICS/PAPERS/HIGG-2012-27>, <http://www.interactions.org/cms/?pid=1031893>, <https://science.energy.gov/hep/highlights/2012/hep-2012-10-b/>

Observation of a New Boson at a Mass of 125 GeV with the CMS Experiment at the LHC

[1] CMS Collaboration • Serguei Chatrchyan (Yerevan Phys. Inst.) et al.

Phys.Lett.B 716 (2012) 30-61 • e-Print: [1207.7235](https://arxiv.org/abs/1207.7235) • DOI: [10.1016/j.physletb.2012.08.021](https://doi.org/10.1016/j.physletb.2012.08.021) • <http://public.web.cern.ch/public>, <http://www.interactions.org/cms/?pid=1031893>, <https://science.energy.gov/hep/highlights/2012/hep-2012-10-b/>

Measurements of Higgs boson production and couplings in diboson final states with the ATLAS detector at the LHC

[2] ATLAS Collaboration • Georges Aad (Freiburg U.) et al.


Phys.Lett.B 726 (2013) 88-119, *Phys.Lett.B* 734 (2014) 406-406 (erratum) • e-Print: [1307.1427](https://arxiv.org/abs/1307.1427) • DOI: [10.1016/j.physletb.2014.05.011](https://doi.org/10.1016/j.physletb.2014.05.011)

Find a full-text version of the publication in ATLAS LHC

Title:	CP-odd Higgs boson production in $e\gamma$ collisions
Authors:	Sasaki, Ken Uematsu, Tsuneo
Author's alias:	植松, 恒夫
Keywords:	CP-odd Higgs production Two-photon fusion Transition form factor $e\gamma$ -collisions
Issue Date:	10-Jun-2018
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Journal title:	Physics Letters B
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Abstract:	We investigate the CP-odd Higgs boson production via two-photon processes in $e\gamma$ collisions. The CP-odd Higgs boson, which we denote as A^\pm , appears in the Two-Higgs Doublet Models (2HDM) as a minimal extension of Higgs sector for which the Minimal Supersymmetric Standard Model is a special case. The scattering amplitude for $e\gamma \rightarrow eA^\pm$ is evaluated at the electroweak one-loop level. The dominant contribution comes from the W -boson loop when eA^\pm boson is rather light and $\tan\beta$ is not large. There are no contributions from the W -boson and Z -boson loops nor the scalar top-quark loops. The differential cross section for the A^\pm production is analyzed.
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URI:	http://hdl.handle.net/2433/232996
DOI(Published Version):	10.1016/j.physletb.2018.04.005
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CP-odd Higgs boson production in $e\gamma$ collisions

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2018PLB781(2018)290.pdf	
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アイテムタイプ	学術雑誌論文 / Journal Article
言語	英語
キーワード	CP-odd Higgs production, Two-photon fusion, Transition form factor, $e\gamma$ -collisions
著者	Sasaki Ken Uematsu Tsuneo
著者所属	Dept. of Physics, Faculty of Engineering, Yokohama National University Institute for Liberal Arts and Sciences, Kyoto University, Masuda Institute, Kyoto Sangyo University
抄録	We investigate the CP-odd Higgs boson production via two-photon processes in $e\gamma$ collisions. The CP-odd Higgs boson, which we call A_0 , appears in the Two-Higgs Doublet Models (2HDM) as a minimal extension of Higgs sector for which the Minimal Supersymmetric Standard Model is a special case. The scattering amplitude for $e\gamma \rightarrow eA_0$ is evaluated at the electroweak one-loop level. The dominant contribution comes from the W -boson loop when A_0 boson is rather light and $\tan\beta$ is not large. There are no contributions from the Z -boson loops nor the scalar top quark loops. The differential cross section for the A_0 production is analyzed.
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著者版フラグ	publisher
出版者	Elsevier

Yokohama Nat'l. U.
Repository

Mission

- Providing novel insight to realise remote curation from Japan
- Finding the key issue and solutions

by

- Proposing new model (beneficial for both)
- Determining how Japan can collaborate with INSPIRE curation (author disambiguation)

Curation “through” JAIRO Cloud

Let's see if it works...

Trial & error

Info. from French model (IN2P3)

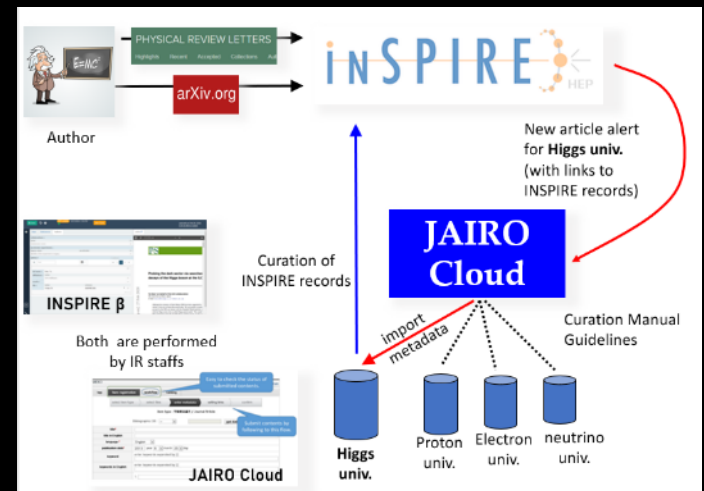
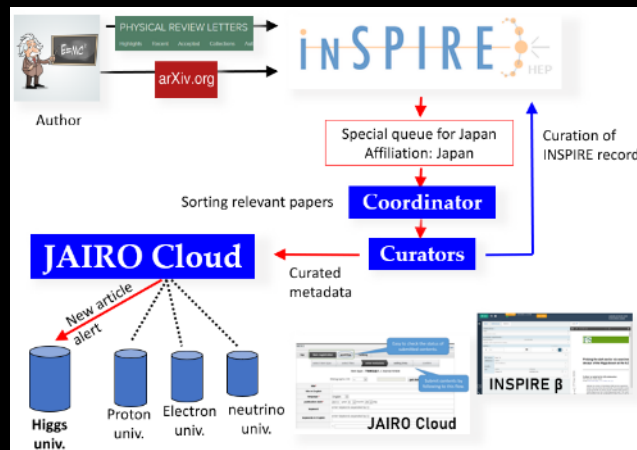
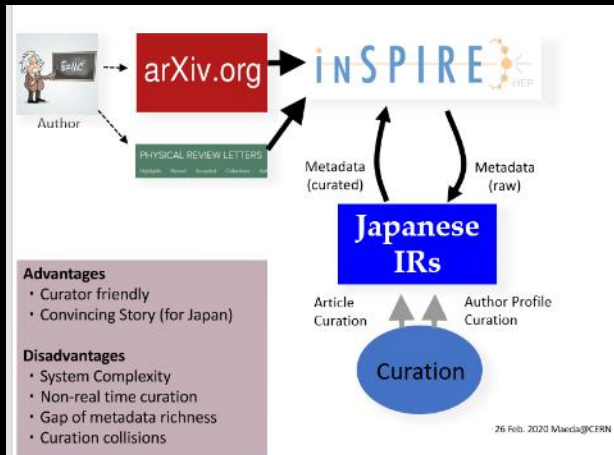
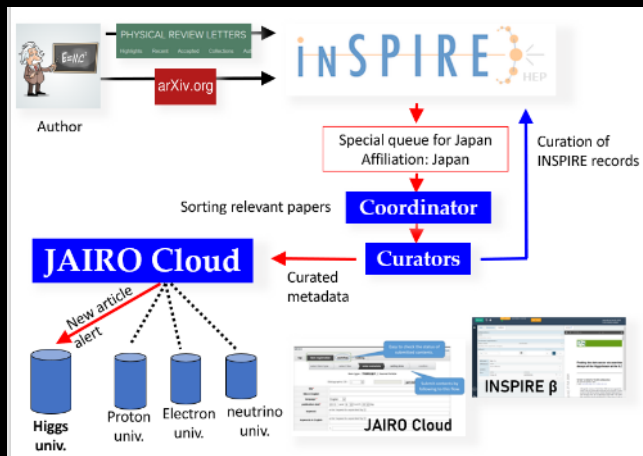
Based on 2010-2016 experience:

5000 papers/year
600 affiliations

2 FTE curators
1 coordinating curator (80 % of time for curation)
8 curators (10-20 % of time for curation)
(If more effective, 3-4 curators are reasonable (30 % of time for curation))

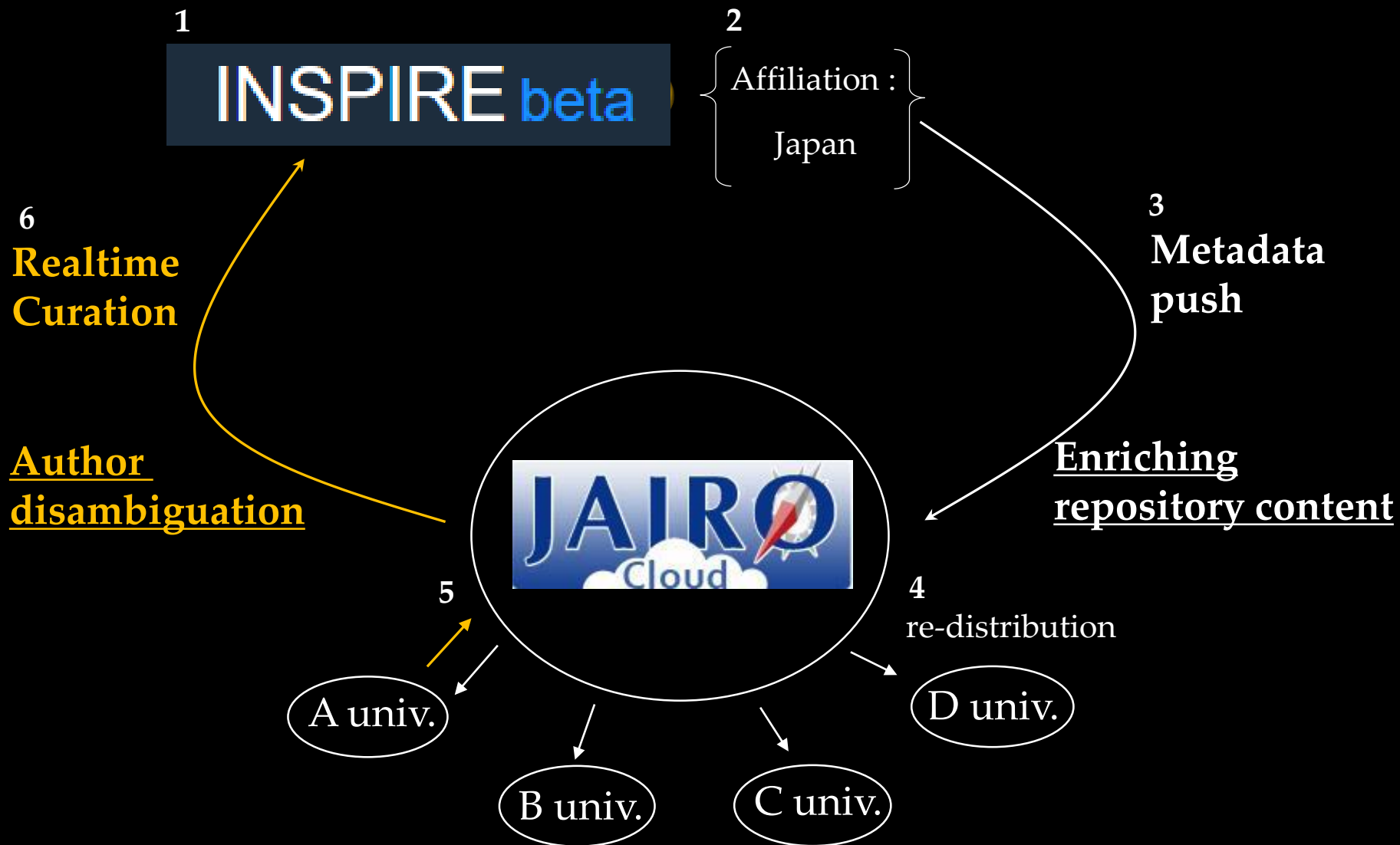
Curators use their own ORCID to login to INSPIRE
Some guidelines are translated into French

Last but not least, curators understand what they are serving for. It's not simply for their own repository but for accelerating the science itself (by help HEP community with well maintained database, i.e., INSPIRE)



Circulation model

- Curation of INSPIRE records through JAIRO Cloud
- Metadata of new HEP papers pushed into Japan's IRs



Experiments



Metadata

INSPIRE

INSPIRE beta

Curation

Data Centre



Curators' Competencies

OK: without HEP background

OK: new to curation



Open and Welcome



Contribution



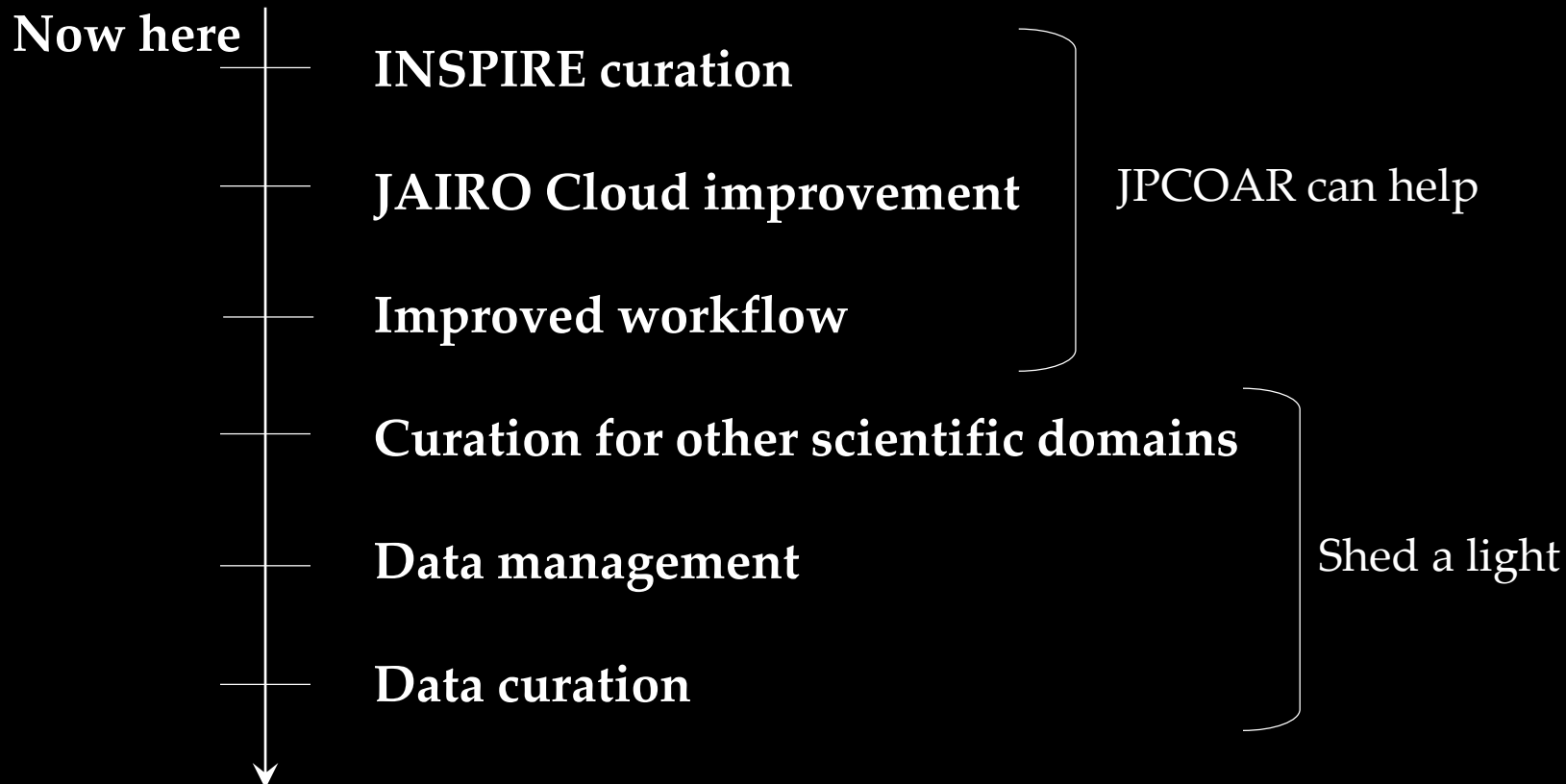
Why not join?

INSPIRE Collaboration



Looking at Future

Positive Side Effects (Future Application)



Curators = Librarians

We can accelerate science!

Last but not least, I am grateful to NII, CERN, and all of those involved to make this visit happen.

At the same time, it is of my great responsibility to make this opportunity the first step of a ladder for a future collaboration between NII and CERN, altogether for accelerating science.



A long, dimly lit tunnel with a large blue cylindrical object in the foreground and a bright circular light on the right wall.

Thank you for your attention.

-END-