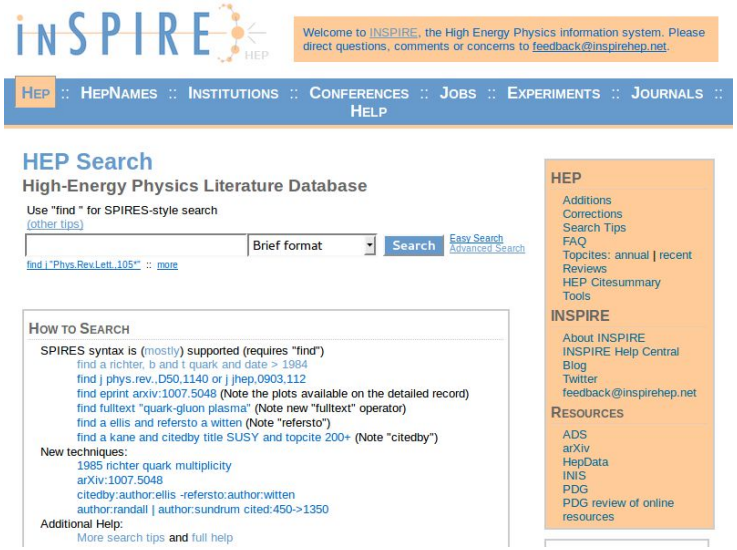
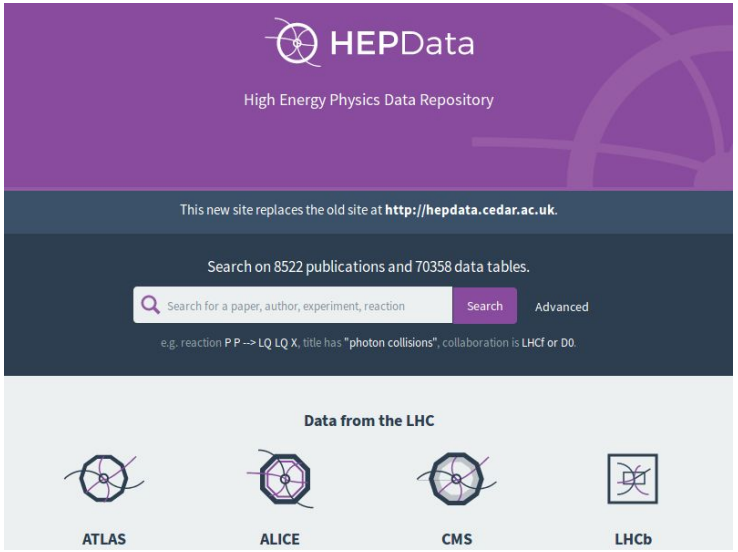
IST au CERN : présent et futur proche

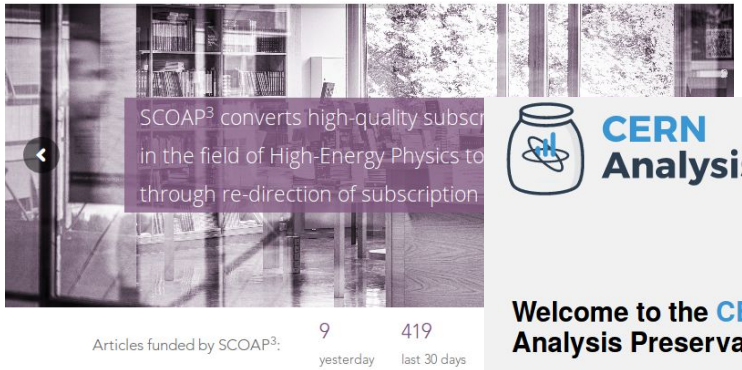
Le réseau DEMOCRITE fête ses 30 ans, 13/09/2017

Micha Moskovic, CERN Scientific Information Service

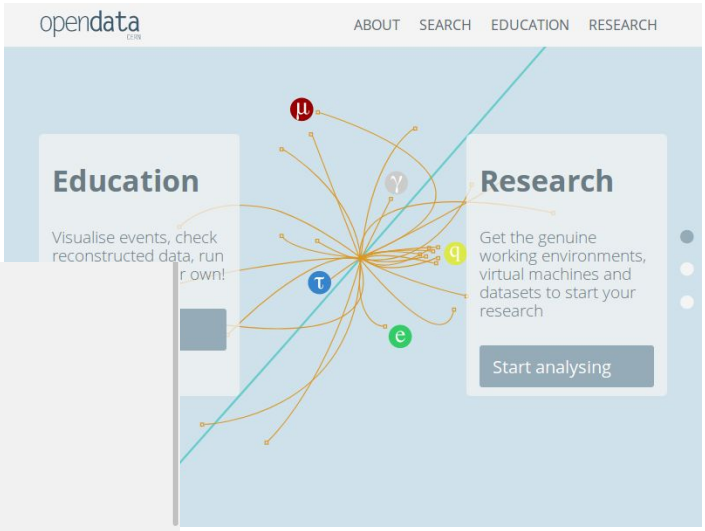




SCOAP^3 – Sponsoring Consortium for Open Access Publishing in Particle Physics



Articles funded by SCOAP^3: 9 yesterday 419 last 30 days



Objectif:
Offrir des services utiles à la communauté HEP

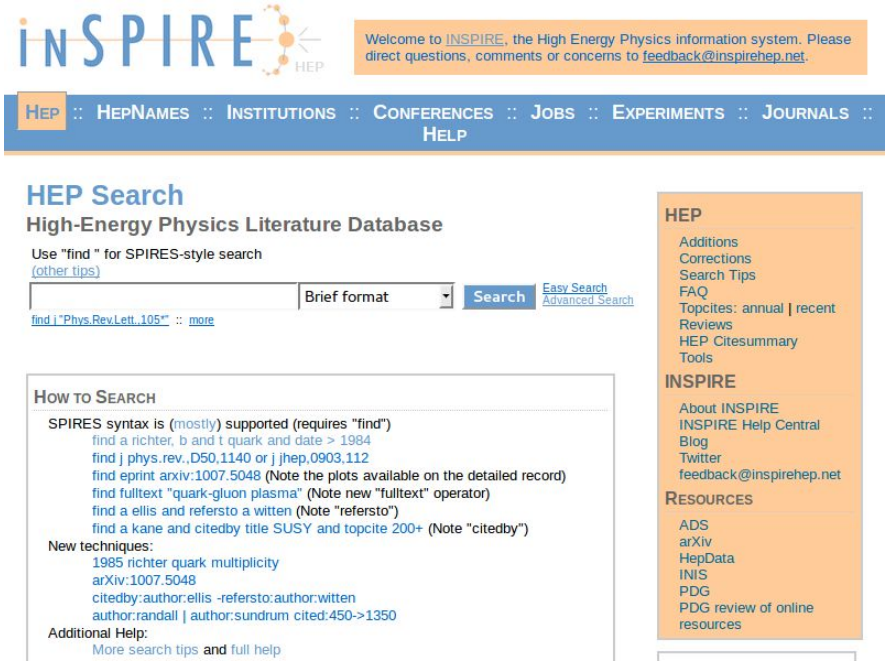
Mission statement

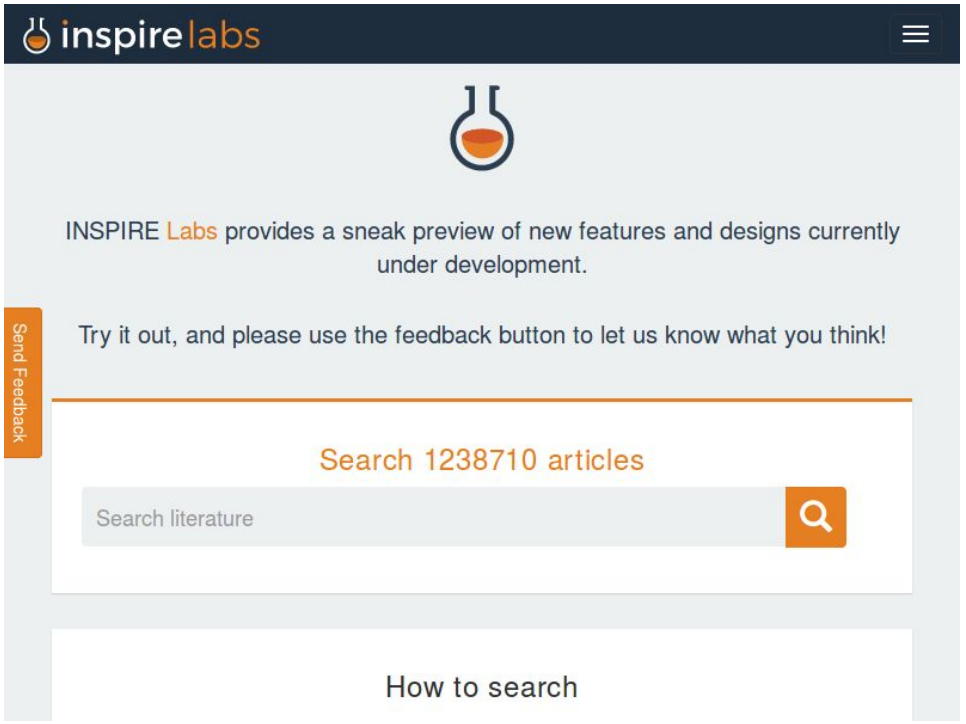
The Scientific Information Service (currently the RCS-SIS group) has for its mandate the management of the Library and the Historical and Scientific Archives of CERN.

- It should acquire and manage information resources in all fields of relevance to the Organization, and make these accessible in the most convenient way to the worldwide particle physics community.

http://library.cern/about_us/mission

Inspire


INSPIRE HEP
Welcome to INSPIRE, the High Energy Physics information system. Please direct questions, comments or concerns to feedback@inspirehep.net.
HEP :: HEPNAMES :: INSTITUTIONS :: CONFERENCES :: JOBS :: EXPERIMENTS :: JOURNALS :: HELP
HEP Search
High-Energy Physics Literature Database
Use "find " for SPIRES-style search
(other tips)
Brief format
Search
Easy Search
Advanced Search
find j "Phys.Rev.Lett.,105*" :: more
HOW TO SEARCH
SPIRES syntax is (mostly) supported (requires "find")
find a richter, b and t quark and date > 1984
find j phys.rev.,D50,1140 or j jhep,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 topcite 200+ (Note "citedby")
New techniques:
1985 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
HEP
Additions
Corrections
Search Tips
FAQ
Topcites: annual | recent
Reviews
HEP Citesummary
Tools
INSPIRE
About INSPIRE
INSPIRE Help Central
Blog
Twitter
feedback@inspirehep.net
RESOURCES
ADS
arXiv
HepData
INIS
PDG
PDG review of online resources

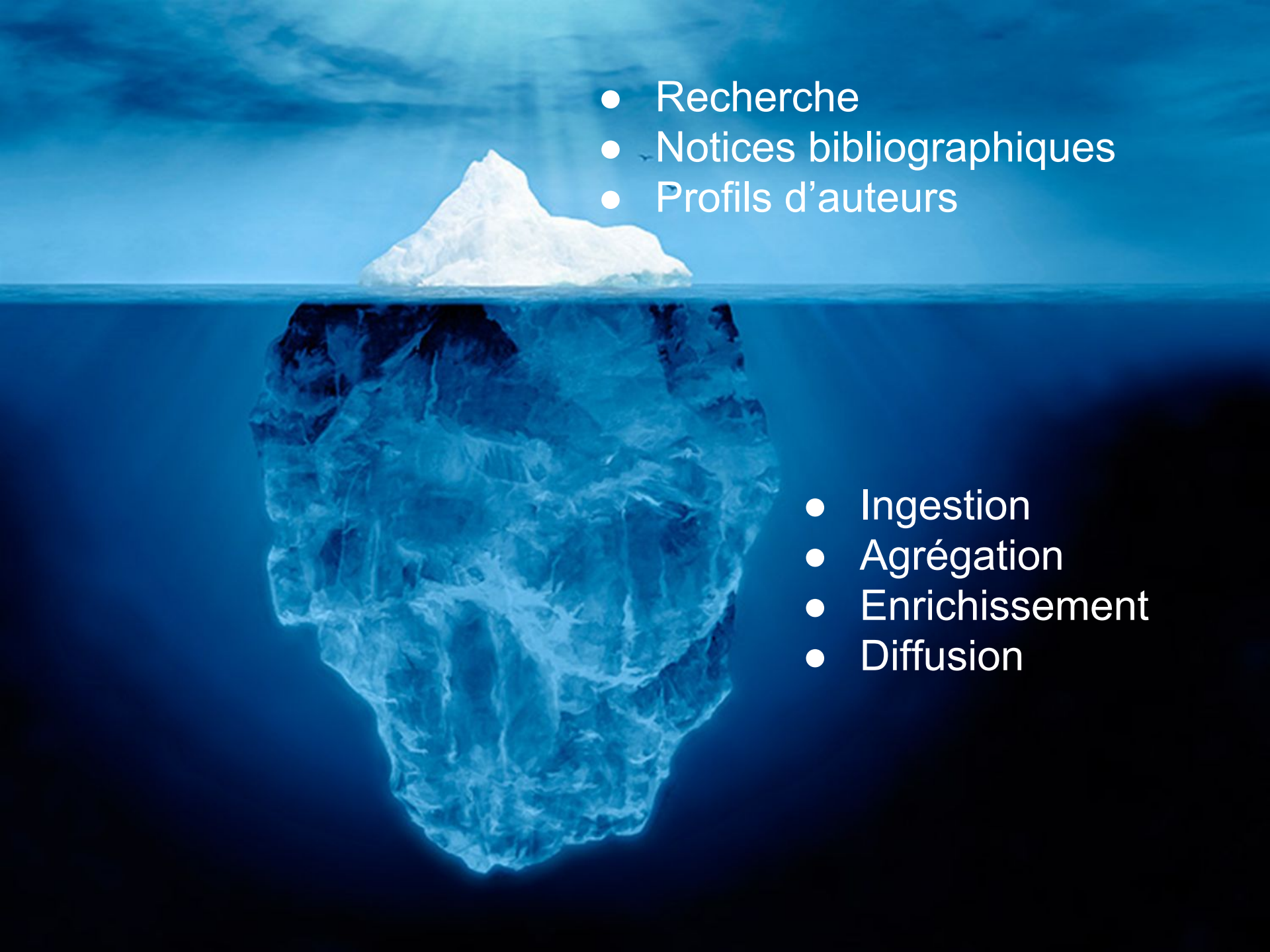

inspire labs
INSPIRE Labs provides a sneak preview of new features and designs currently under development.
Try it out, and please use the feedback button to let us know what you think!
Send Feedback
Search 1238710 articles
Search literature
How to search

Inspire en nombres

- 50K utilisateurs actifs (chercheurs)
- 1.2M notices bibliographiques
- 20M de citations
- 200K recherches par jour
- 5 institutions (+ partenaires)

Institute of High Energy Physics
Chinese Academy of Sciences

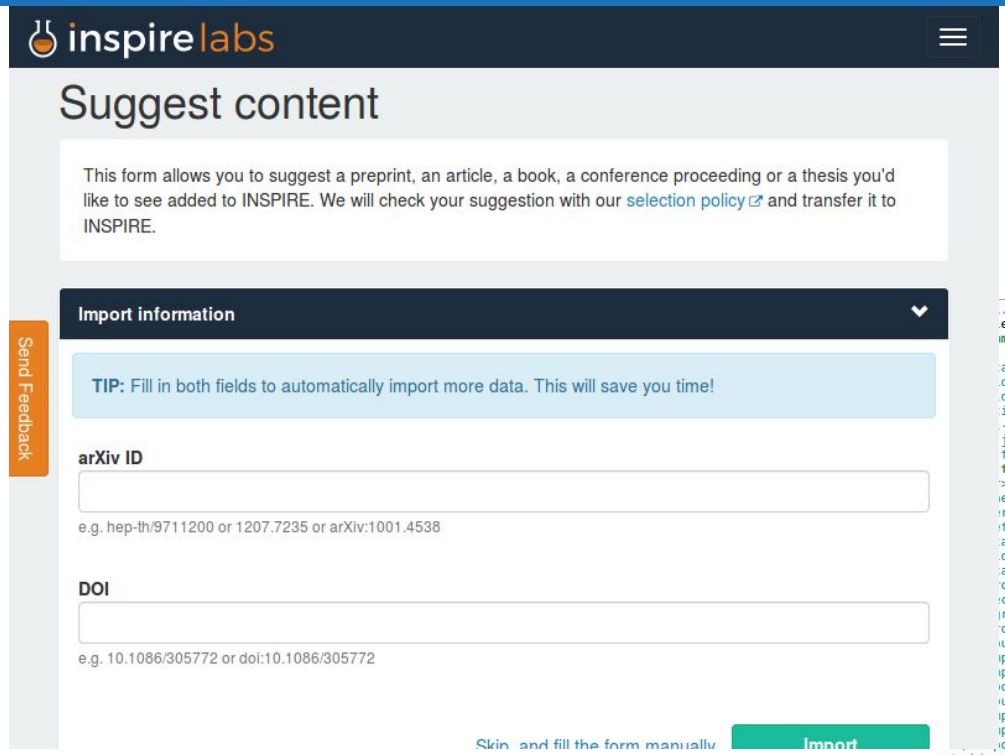
http://inspirehep.net


Recherche
Notices bibliographiques
Profils d’auteurs
Ingestion
Agrégation
Enrichissement
Diffusion

Défis

- Permettre aux chercheurs de trouver l’information
- Maintenir une qualité élevée des métadonnées
- Faire face aux contraintes budgétaires

Obtenir l'information

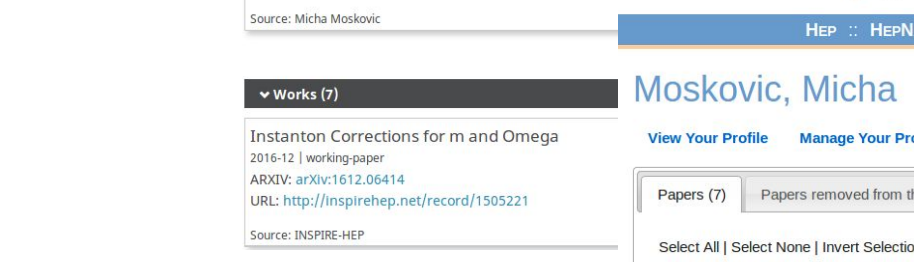


Utilisateurs: formulaires

Moissonnage des éditeurs

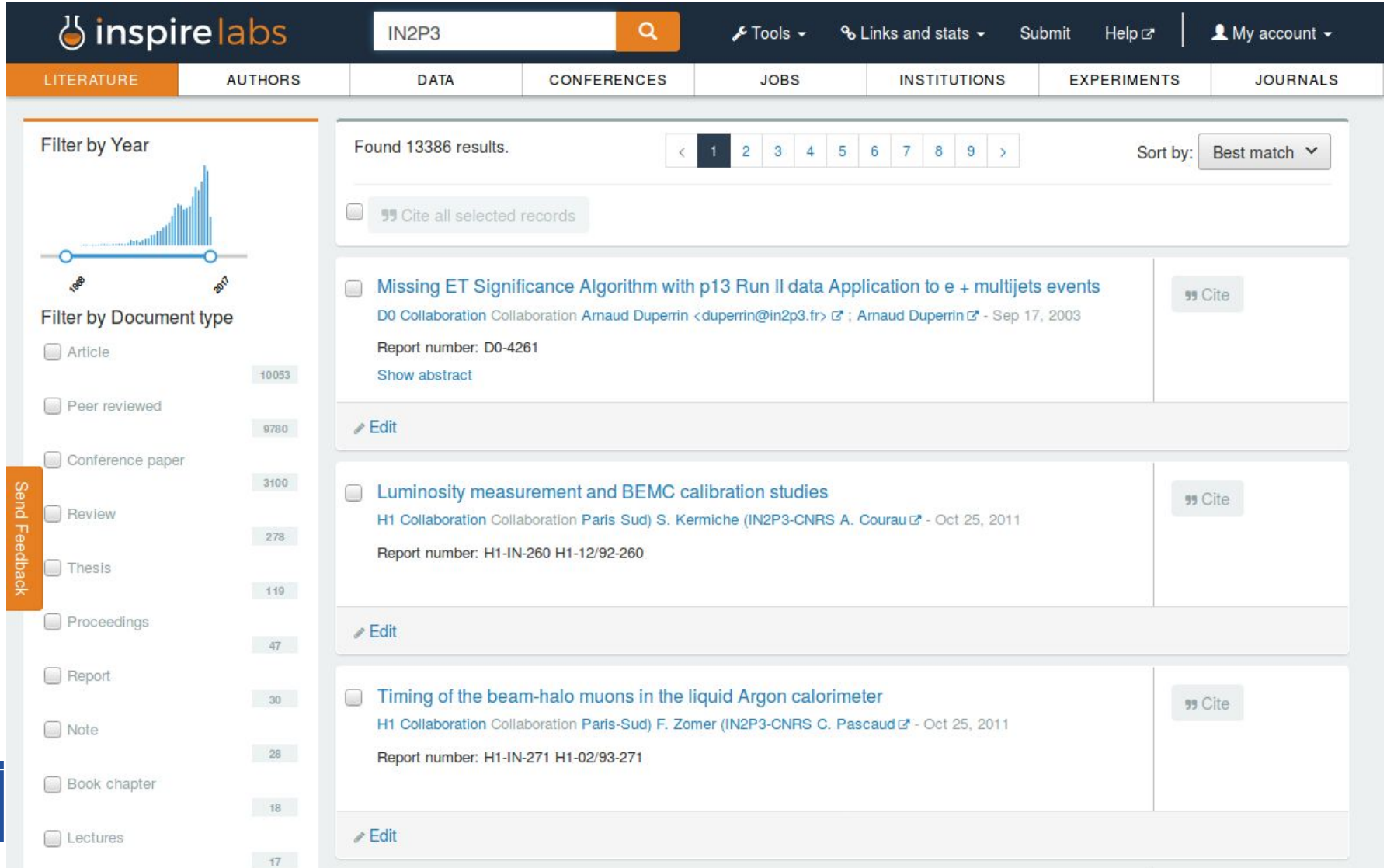
```
.0" encoding="UTF-8"?>
e PUBLIC "-//NLM//DTD JATS (Z39.96) Journal Publishing DTD with OASIS Tables with MathML3 v1.1d1 20130915//EN" "JA
ml="http://www.w3.org/1998/Math/MathML" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:oasis="http://www.niso.or
a>
d journal-id-type="publisher-id">PRX</journal-id>
d journal-id-type="coden">PRXHAE</journal-id>
itle-group>
-title>Physical Review X</journal-title>
journal-title>Phys. Rev. X</abbrev-journal-title>
title-group>
type="epub">2160-3308</issn>
>
er-name>American Physical Society</publisher-name>
r>
ta>
a>
d pub-id-type="doi">10.1103/PhysRevX.7.021022</article-id>
ategories>
oup subj-group-type="toc-major">
ct>RESEARCH ARTICLES</subject>
roup>
oup subj-group-type="subject-areas">
und-subject>
pound-subject-part content-type="code">quantum</compound-subject-part>
pound-subject-part content-type="subject">Quantum Physics</compound-subject-part>
ound-subject>
und-subject>
pound-subject-part content-type="code">quantum-info</compound-subject-part>
pound-subject-part content-type="subject">Quantum Information</compound-subject-part>
ound-subject>
  </subj-group>
</article-categories>
<title-group>
  <article-title>Code Properties from Holographic Geometries</article-title>
  <alt-title alt-title-type="running-title">CODE PROPERTIES FROM HOLOGRAPHIC GEOMETRIES</alt-title>
  <alt-title alt-title-type="running-author">FERNANDO PASTAWSKI AND JOHN PRESKILL</alt-title>
</title-group>
<contrib-group>
  <contrib contrib-type="author">
    <name>
      <surname>Pastawski</surname>
      <given-names>Fernando</given-names>
    </name>
    <xref ref-type="aff" rid="a1"/>
  </contrib>
  <aff id="a1">Dahlem Center for Complex Quantum Systems, <institution>Freie Universität Berlin</institution>, 14195 Berlin,
</contrib-group>
<contrib-group>
  <contrib contrib-type="author">
    <name>
      <surname>Preskill</surname>
      <given-names>John</given-names>
    </name>
    <xref ref-type="aff" rid="a2"/>
```

Moissonnage des signatures (éditeurs)



Dépôt des articles

Trouver l'information



Métadonnées de qualité

- Nouveau modèle basé sur JSON, abandon de MARC
- Plus accessible (noms explicites)
- Plus adapté (organisation claire)
- Plus strict (validation du contenu)
- Facilite l’interrogation par des services tiers

Plus d’automatisation

- Extraction automatique des affiliations
- Amélioration de l’extraction des références
- Meilleure fusion de notices (agrégation)
- Intelligence artificielle
  - Disambiguation des auteurs
  - Assignation de catégories
  - Assignation de mots-clés
- Dépôts automatiques
  - ORCID
  - HAL
  - CERN Document Server

Combination of D0 measurements of the top quark mass

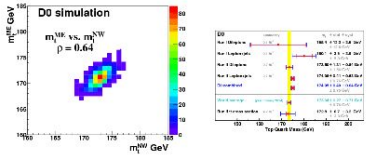
D0 Collaboration (Victor Mukhamedovich Abazov (Dubna, JINR) *et al.*) Show all 372 authors

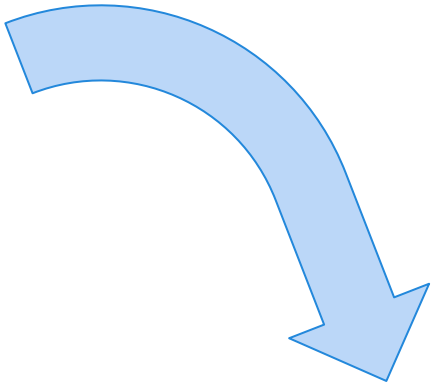
Mar 20, 2017 - 11 pages

Phys.Rev. D95 (2017) no.11, 112004
(2017-06-20)
DOI: 10.1103/PhysRevD.95.112004
FERMILAB-PUB-17-079-E
e-Print: arXiv:1703.06994 [hep-ex] | PDF
Experiment: FNAL-E-0823

Abstract (APS)
We present a combination of measurements of the top quark mass by the D0 experiment in the lepton+jets and dilepton channels. We use all the data collected in Run I (1992–1996) at $\sqrt{s}$=1.8 TeV and Run II (2001–2011) at $\sqrt{s}$=1.96 TeV of the Tevatron $p\bar{p}$ collider, corresponding to integrated luminosities of 0.1 fb-1 and 9.7 fb-1, respectively. The combined result is: m_t=174.95±0.40(stat)±0.64(syst) GeV=174.95±0.75 GeV.
Abstract (arXiv)

Note: 12 pages, 2 figure, published in Phys. Rev. D
Keyword(s): INSPIRE: anti-p p: scattering | anti-p p: colliding beams | top: pair production | top: mass: measured | Batavia TEVATRON Coll | DZERO | final state: ((n)jet dilepton) | final state: ((n)jet lepton) | experimental results | 1800 GeV-cms1960 GeV-cms

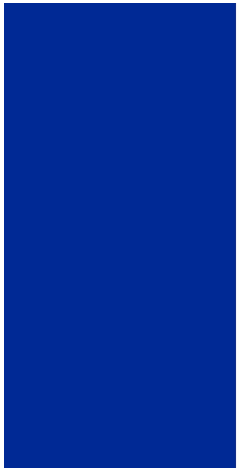


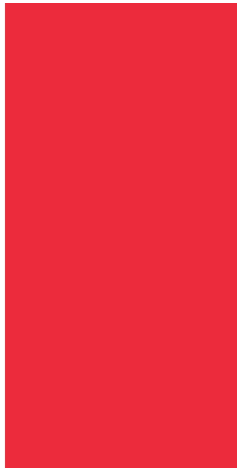


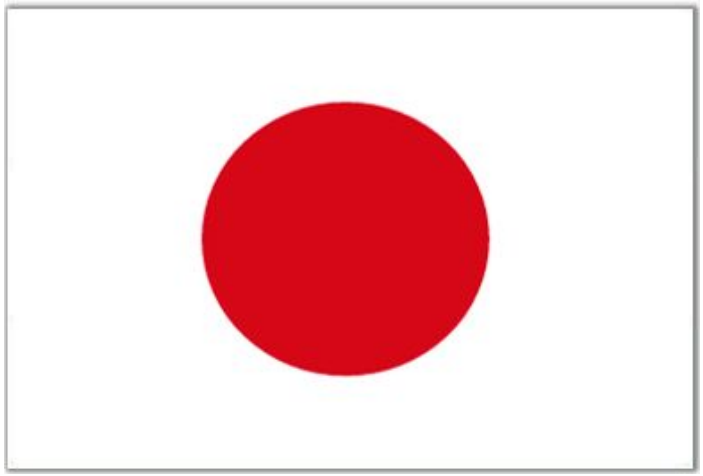
Combination of D0 measurements of the top quark mass

Victor Abazov , Braden Abbott , Bannanje Acharya , Mark Adams , Todd Adams , James Agnew , Guennadi Alexeev , Georgiy Alkhazov , Andrew Alton , Andrew Askew , Scott Atkins , Kamil Augsten , Volodymyr Aushev , Yegor Aushev , Carlos Avila , Frederique Badaud [1] , Linda Bagby , Boris Baldin , Dmitry Bandurin , Sunanda Banerjee , Emanuela Barberis , Philip Baringer , Jfrederick Bartlett , Ursula Bassler [2] , Victor Bazterra , Alice Bean , Marcia Begalli , Leo Bellantoni , Suman Beri , Gregorio Bernardi [3] , Ralf Bernhard , Iain Bertram , Marc Besancon [2] , Raymond Beuselinck , Pushpalatha Bhat , Sudeep Bhatia , Vipin Bhatnagar , Gerald Blazey , Susan Blessing , Kenneth Bloom , Amber Boehnlein , Daniel Boline , Edward Boos , Guennadi Borissov , Maryna Borysova , Andrew Brandt , Oleg Brandt , Michelle Brochmann , Raymond Brock , Alan Bross , Duncan Brown [3] , Xue-Bing Bu , Marc Buehler , Volker Buescher , Viacheslav Bunichev , Sergey Burdin , Claus Buszello , Enrique Camacho-Perez , Brendan Casey , Heriberto Castilla-Valdez , Seth Caughron , Subhendu Chakrabarti , Kwok Chan , Avdhesh Chandra , Emilien Chapon [2] , Guo Chen , Sung-Woong Cho , Suyong Choi , Brajesh Choudhary , Selcuk Cihangir , Daniel Claes , Justace Clutter , Michael Cooke , William Cooper , Marjorie Corcoran , Fabrice Couderc [2] , Marie-Claude Cousinou [4] , Jakub Cuth , David Cutts , Amitabha Das , Gavin Davies , Sijbrand De Jong , Eduard De La Cruz-Burelo , Frederic Deliot [2] , Regina Demina , Dmitri Denisov , Sergei Denisov , Satish Desai , Cecile Deterre , Kayle Devaughan , Hthomas Diehl , Michael Diesburg , Pengfei Ding , Daaron Dominguez , Alexey Drutskoy , Abhinav Dubey , Lev Dudko , Arnaud Duperrin [4] , Suneel Dutt , Michael Eads , Daniel Edmunds , John Ellison , Vdaniel Elvira , Yuji Enari [3] , Harold Evans , Anatoly Evdokimov , Valeri Evdokimov , Alexandre Faure [2] , Lei Feng , Thomas Ferbel , Frank Fiedler , Frank Filthaut , Wade Fisher , Heugene Fisk , Michael Fortner , Harald Fox , Jiri Franc , Stuart Fuess , Peter Garbincius , Aran Garcia-Bellido , Jose Garcia-Gonzalez , Vladimir Gavrilov , Weigang Geng [4] , Cecilia Gerber , Yuri Gershtein , George Ginther , Olga Gogota , Georgy Golovanov , Paul Grannis , Sebastien Greder [5] , Herbert Greenlee , Gerald Grenier [6] , Phillipe Gris [1] , Jean-Francois Grivaz [7] , Alexander Grohsjean [2] , Stefan Gruenendahl , Martin Gruenewald , Thibault Guillemin [7] , Gaston Gutierrez , Phillip Gutierrez , Joseph Haley , Liang Han , Kristian Harder , Amnon Harel , John Hauptman , Jonathan Hays , Tim Head , Thomas Hebbeker , David Hedin , Hatim Hegab , Ann Heinson , Ulrich Heintz , Carsten Hensel , Ivan Heredia-De La Cruz , Kenneth Herner , Gavin Hesketh , Michael Hildreth , Robert Hirosky , Trang Hoang , John Hobbs , Bruce Hoeneisen , Julie Hogan , Mark Hohlfeld , Jenny Holzbauer , Ian Howley , Zdenek Hubacek [2] , Vlastislav Hynek , Ia Iashvili , Yuriy Ilchenko , Robert Illingworth , Albert Ito , Shabnam Jabeen , Michel Jaffre [7] , Ayesh Jayasinghe , Min-Soo Jeong , Richard Jesik , Peng Jiang , Kenneth Johns , Emily Johnson , Marvin Johnson , Alan Jonckheere , Per Jonsson , Jyoti Joshi , Andreas Jung , Aurelio Juste , Eric Kajfasz [4] , Dmitriy Karmanov , Ioannis Katsanos , Manbir Kaur , Robert Kehoe , Smain Kermiche [4] , Norayr Khalatyan , Alexander Khanov , Avto Kharchilava , Yuri Kharzheev , Ivan Kiselevich , Jatinder Kohli , Alexander Kozelov , James Kraus , Ashish Kumar , Alexander Kupco , Tibor Kurca [6] , Valentin Kuzmin , Sabine Lammers , Patrice Lebrun [6] , Hyeon-Seung Lee , Seh-Wook Lee , William Lee , Xiaowen Lei , Jeremie Lellouch [3] , Dikai Li [3] , Hengne Li , Liang Li , Qi-Zhong Li , Jeong Lim , Donald Lincoln , James Linnemann , Vladimir Lipaev , Ronald Lipton , Huanzhao Liu , Yanwen Liu , Alexandre Lobodenko , Milos Lokajicek , Rafael Lopes de Sa , Rene Luna-Garcia , Adam Lyon , Arthur Maciel , Romain Madar , Ricardo Magana-Villalba , Sudhir Malik , Vladimir Malyshev , Jason Mansour , Jorge Martinez-Ortega , Robert Mccarthy , Carrie Mcgivern , Melvin Meijer , Alexander Melnitchouk , Diego Menezes , Pedro Mercadante , Mikhail Merkin , Arnd Meyer , Jorg Meyer , Florian Miconi [5] , Naba Mondal , Michael Mulhearn , Elemer Nagy [4] , Meenakshi Narain , Ruchika Nayyar , Homer Neal , Juan Negret , Petr Neustroev , Huong Nguyen , Thomas Nunnemann , Jose Hernandez Orduna , Nicolas Osman [4] , Arnab Pal , Neeti Parashar , Vivek Parihar , Sung Park , Richard Partridge , Nirmalya Parua , Abid Patwa , Bjoern Penning , Maxim Perfilov , Reinhild Peters , Konstantinos Petridis , Gianluca

Plus de collaboration







Futur: utilisateurs?

Données

Agrégation, ouverture & préservation

Hide Publication Information

Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV

The ALICE collaboration

Acharya, Shreyasi , Adam, Jaroslav , Adamova, Dagmar , Adolfsson, Jonatan , Aggarwal, Madan Mohan , Aglieri Rinella, Gianluca , Agnello, Michelangelo , Agrawal, Neelima , Ahammed, Zubayer , Ahmad, Nazeer

No Journal Information, 2017

http://dx.doi.org/10.17182/hepdata.78924.v2

INSPIRE Record HepData

Abstract (data abstract)

CERN-LHC. Measurements of correlations between event-by-event fluctuations of amplitudes of anisotropic flow harmonics in nucleus-nucleus collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Data was recorded in November 2010 with the ALICE detector at the CERN Large Hadron Collider. The measurements are performed in the central pseudorapidity region ($|\eta| < 0.8$) and transverse momentum range $0.2 < p_T < 5.0$ GeV/c. The data for SC(3,2), SC(4,2), NSC(3,2) and NSC(4,2) in Figure 1 can be found at http://dx.doi.org /10.17182/hepdata.74142. The lower order v_n for

Download All

Version 2

Filter 49 data tables

Table 1
Data from Figure 1
10.17182/hepdata.78924.v2/t1
Centrality dependence of observables SC(5,2) in Pb-Pb collisions at 2.76 TeV.

Table 2
Data from Figure 1
10.17182/hepdata.78924.v2/t2
Centrality dependence of observables SC(5,3) in Pb-Pb collisions at 2.76 TeV.

Table 3
Data from Figure 1
10.17182/hepdata.78924.v2/t3
Centrality dependence of observables SC(4,3) in Pb-Pb collisions at 2.76 TeV.

Table 4
Data from Figure 1
10.17182/hepdata.78924.v2/t4
Centrality dependence of observables NSC(5,2) in Pb-Pb collisions at 2.76 TeV.

Table 5
Data from Figure 1
10.17182/hepdata.78924.v2/t5

Version 2 modifications: All systematic errors were corrected

Table 1

10.17182/hepdata.78924.v2/t1

http://www.hepdata.net/recc JSON

Centrality dependence of observables SC(5,2) in Pb-Pb collisions at 2.76 TeV.

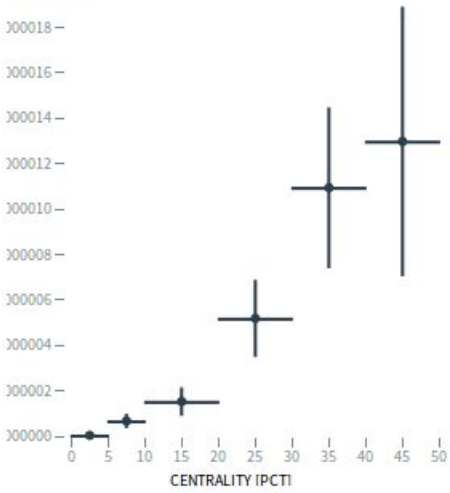
cmenergies: 2760.0

observables: SC

reactions: PB PB --> CHARGED X

ETARAP	-0.8 TO 0.8
PT	0.2 TO 5.0 GEV/C
RE	PB PB --> CHARGED X
SQRT(S)/NUCLEON	2760 GEV
CENTRALITY [PCT]	**SC(5,2)**
0 - 5	4.1407e-10 ±1.1139e-9 stat ±8.6955e-11 sys
5 - 10	6.7134e-9 ±2.8911e-9 stat ±1.4098e-9 sys
10 - 20	1.5299e-8 ±5.3648e-9 stat ±3.2128e-9 sys
20 - 30	5.1891e-8 ±1.3089e-8 stat ±1.0897e-8 sys
30 - 40	1.0946e-7 ±2.6911e-8 stat ±2.2986e-8 sys
40 - 50	1.298e-7 ±5.2632e-8 stat ±2.7258e-8 sys

Visualize



Sum errors ☑

Deselect variables or hide different error bars by clicking on them.

Research

To analyse CMS data, a Virtual Machine with the CMS analysis environment is provided. The data can be accessed directly through the VM. In the primary datasets, no selection nor identification criteria have been applied. The 2011 data release includes simulated Monte Carlo datasets, but no simulated datasets are provided for the 2010 release.

Explore CMS >

According to the ALICE data preservation strategy, reconstructed data and Monte Carlo data as well as the analysis software and documentation needed to process them will be made available on a time scale of 5 years (for 10% of the data). Thus, the first release of ALICE research data will happen in 2018.

According to the ATLAS Data Access Policy, reconstructed data and accompanying tools will be released after reasonable embargo periods.

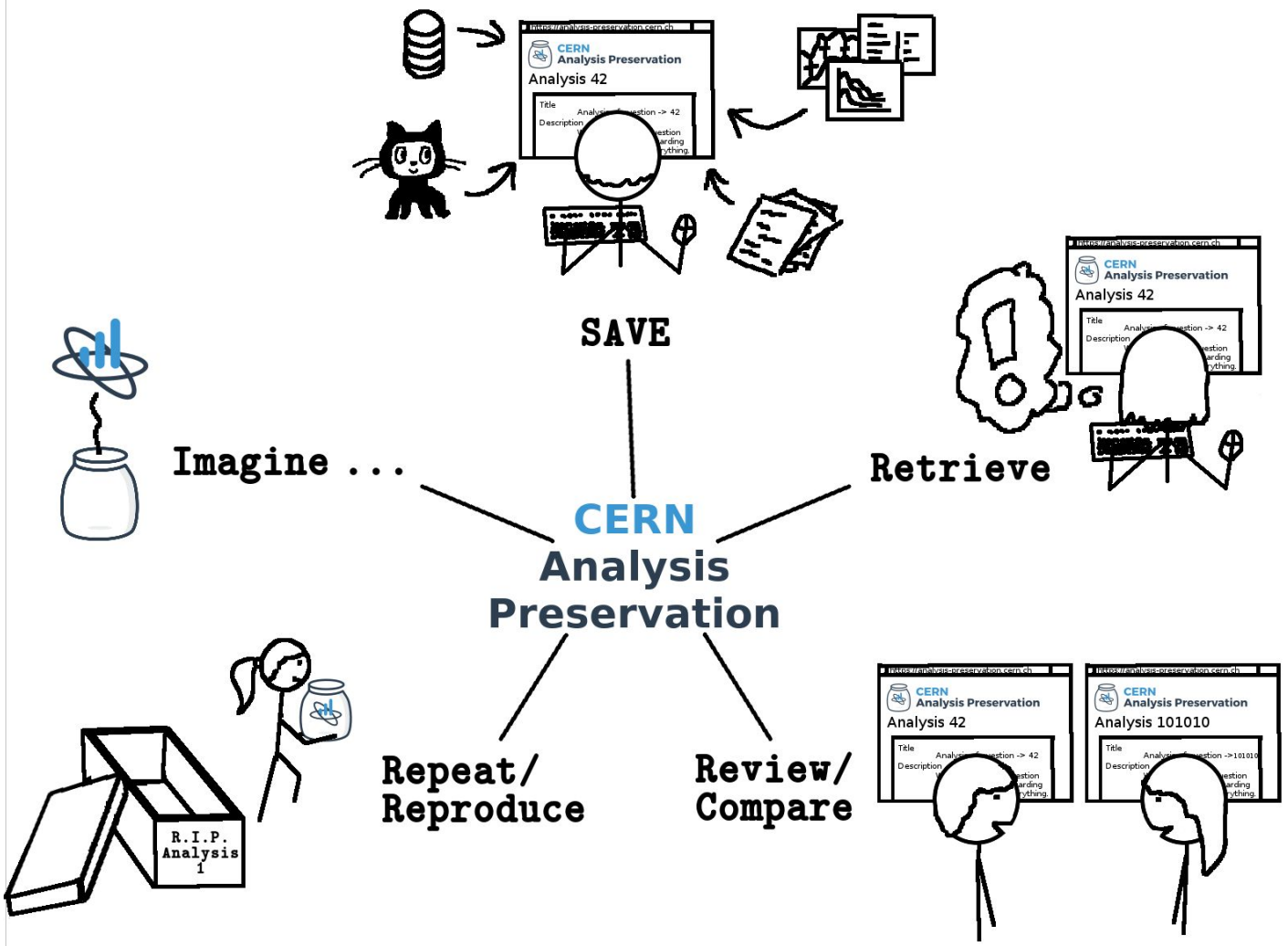
According to the LHCb External Data Access Policy, reconstructed data and accompanying tools will be released after reasonable embargo periods.

For research purposes, specific software environments and tools need to be deployed to analyse these complex primary data. In addition to the data below, you will find instructions for setting up your working environments here

Install your Virtual Machine >

Start analysing the data >

CERN Analysis Preservation



SCOAP3.org

Sponsoring Consortium for Open Access Publishing in Particle Physics

A global consortium to
convert Particle Physics articles
in high-quality journals
to Open Access,
at no burden for authors,
mostly re-using existing
subscription money.

Open Access at no burden for researchers

Researcher

-No change in behavior

-No direct costs/burden

-Retains copyright

Articles

Reconciliation process facilitated by CERN

Reduction on Subscriptions

Publishers

Open Access

Contracts

Membership fees

Libraries

-Support OA policies

-Use existing funds

-No operations

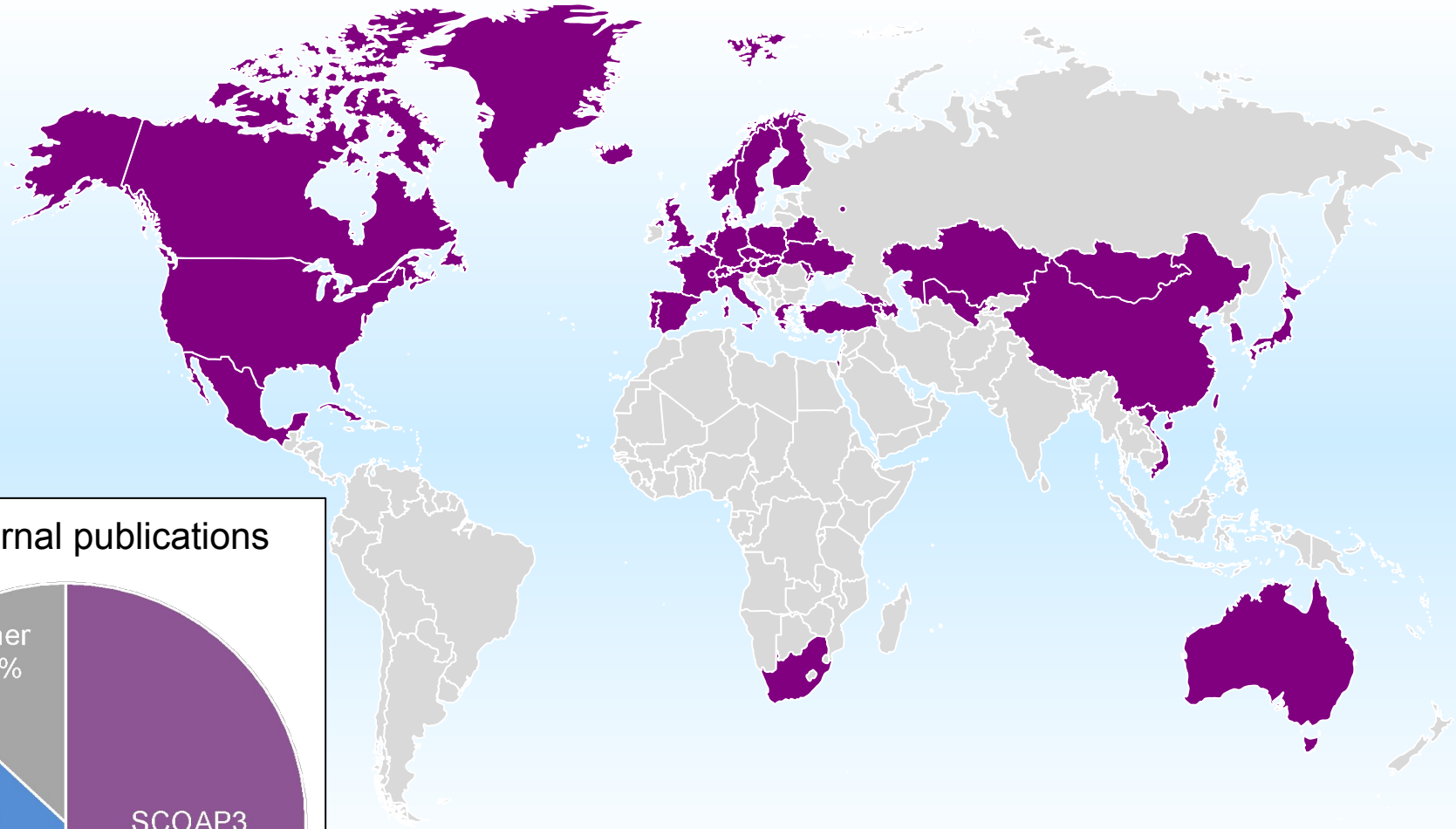
CERN

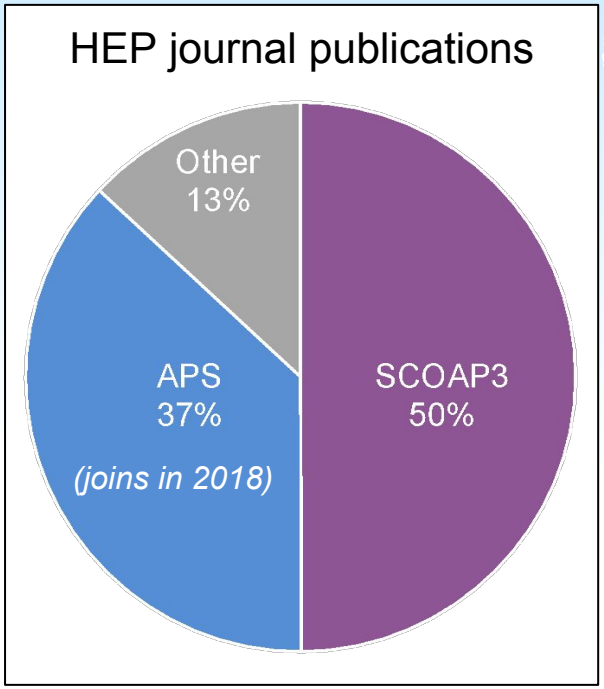
for the benefit of

Support

Funding Agencies

3,000+ libraries in 43 countries support 90% of HEP





SCOAP^3 – the first three years

3'000+ libraries & **8** funding agencies in **44** countries

13'000+ articles by **20'000** authors in **100** countries

Avg. **€1,032** /article (mainly "recycling" subscriptions)

Up to **300%** increase in article **downloads** (millions)

Bon anniversaire DEMOCRITE!