



Javier Martín Montull

Invenio User Group Workshop 2015

In production since December 2014

DATE RANGE: FROM 2015-01-01 TO 2015-10-08

ALL VISITS



## Evolution over the period



## Report



**8928** visits



**7 min 5s** average visit duration



**38%** visits have bounced (left the website after one page)



**4.8** actions (page views, downloads, outlinks and internal site searches) per visit



**40721** pageviews, **25128** unique pageviews



**15** total searches on your website, **10** unique keywords



**187** downloads, **179** unique downloads



**1761** outlinks, **1644** unique outlinks

What modules we use?

# Deposit

## Suggest content

[+ New Suggestion](#)

This form allows you to suggest a preprint, an article, a conference proceeding or a thesis you'd like to see added to INSPIRE. We will check your suggestion with our [selection policy](#) and transfer it to INSPIRE.

### Import information ▾

TIP: Fill in both fields to automatically import more data. This will save you time!

arXiv ID

e.g. hep-th/9711200 or 1207.7235 or arXiv:1001.4538

DOI

e.g. 10.1086/305772 or doi:10.1086/305772

[Skip, and fill the form manually](#)

[Import](#)

Send Feedback

# OAI-PMH client



Sync records from production



# Workflows + custom forms

## Update author details

This form allows you to update author information. All modifications are transferred to <http://inspirehep.net/hepnames> after our staff has checked them.

### Personal Information

Given Names \*

e.g. Diego

Family Name

e.g. Martínez Santos

Display Name \*

How should the author be addressed throughout the site? e.g. Diego Martínez

Native Name

For non-Latin names e.g. 麦迪娜 or Эдгар Бугаев

Public Email

This email will be displayed online in the INSPIRE Author Profile.

Status \*

ORCID 

ORCID provides a persistent digital identifier that distinguishes you from other researchers. Learn more at [orcid.org](http://orcid.org)

# Search (autocomplete)

Link to additional information  
(e.g. abstract)

Where can we find a PDF to check the references?

Which page should we link from INSPIRE?

## Basic Information

Title \*

Language

English

Subject \*

None selected

Authors \*

Family name, First name

[+ Add another author](#)

Collaboration

Experiment

Start typing for suggestions

Abstract

CERN

**CERN**

Alternative name: CERN, Geneva

European Organization for Nuclear Research (CERN)

**ECFA**

**UCT-CERN Res. Ctr.**

**World Lab., Geneva**

ICSC World Laboratory



# Accounts/oauthclient

Please sign in to suggest content to INSPIRE



Sign in with ORCID

[What is ORCID?](#)

# Workflows/Holding Pen

[Home](#) » [Holdingpen](#) » Records

Ctrl+A: Select all, Esc: Deselect

Showing: 10 ▾ version: "Need action" x Add to search 1 entries found Type ▾ Status ▾ Sort ▾

**Bifurcations of edge states -- topologically protected and non-protected -- in continuous 2D honeycomb structures** on Oct 01 19:10

Rejected (0.99)

[1509.08957](#)  PDF

 jalavik@gmail.com

Abstract ▾

« 1 »

Send Feedback

[← Back](#)[← Previous](#)[Next →](#)

## Current task

✔ Halt the record and set an action (with message).

[↻ Restart this task](#)[CORE](#)[Accept](#)[Reject](#)[Rejected \(0.99\)](#)[Detailed format](#) [MARCXML](#)

## Workflow

literature

[Completed tasks](#) ▾[Definition](#) ▾

## History

[More](#) ▾[🗑 Delete this object](#)

## Other information

[More](#) ▾[🔗](#) **Bifurcations of edge states -- topologically protected and non-protected -- in continuous 2D honeycomb structures**

Fefferman, C.L. | Lee-Thorp, J.P. | Weinstein, M.I.

[🔗](#) **Subjects:** General Physics , math-ph , cond-mat.mes-hall , math.AP , math.MP

**Abstract:** This paper summarizes and extends the authors' work on the bifurcation of topologically protected edge states in continuous two-dimensional honeycomb structures. We consider a family of Schrödinger Hamiltonians consisting of a bulk honeycomb potential and a perturbing edge potential. The edge potential interpolates between two different periodic structures via a domain wall. We begin by reviewing our recent bifurcation theory of edge states for continuous two-dimensional honeycomb structures. The topologically protected bifurcation of edge states is seeded by the zero-energy eigenstate of a one-dimensional Dirac operator. We contrast these protected bifurcations with (more common) non-protected bifurcations from spectral band edges, which are induced by bound states of an effective Schrödinger operator. Numerical simulations for honeycomb structures of varying contrasts and "rational edges" (zigzag, armchair and others), support the following scenario: (a) For low contrast, under a sign condition on a distinguished Fourier coefficient of the bulk honeycomb potential, there exist topologically protected edge states localized transverse to zigzag edges. Otherwise, and for general edges, we expect long lived (it edge quasi-modes) which slowly leak energy into the bulk. (b) For an arbitrary rational edge, there is a threshold in the medium-contrast (depending on the choice of edge) above which there exist topologically protected edge states. In the special case of the armchair edge, there are two families of protected edge states; for each parallel quasimomentum (the quantum number associated with translation invariance) there are edge states which propagate in opposite directions along the armchair edge.

[Results](#)[Logs](#)[🗨 RT-Ticket](#)[👤 jalavik@gmail.com](#)

Our next steps?

# Enabling search (Oct/Nov)

The screenshot displays the Inspire Labs search interface. At the top, the Inspire Labs logo is on the left, and navigation links for 'Resources' and 'Submit' are on the right. Below the logo, a secondary navigation bar includes 'Literature', 'Authors', 'Conferences', and 'Jobs'. The main content area features a search bar with the query 'total cross section from elastic scattering' and a search button. To the left of the search results, there are filters for 'Sort' (set to 'most relevant'), 'Results per page' (set to 50), 'Filter by Experiment' (with 'ATLAS' selected), and 'Filter by Year' (with '2014' selected). The search results show four entries, all filtered by 'ATLAS' and '2014'. Each entry is a paper titled 'Measurement of the total cross section from elastic scattering in pp collisions at 7 TeV with the ATLAS detector' by 'The ATLAS collaboration', published in the 'Journal of Physics' in 2014. The interface uses a dark blue header and an orange accent color for the search bar and filter buttons.

**inspirelabs** Resources Submit

Literature Authors Conferences Jobs

Literature

**Search Literature** > total cross section from elastic scattering

total cross section from elastic scattering

Sort  
most relevant ▼

Results per page  
50 ▼

Filter by Experiment

- CMS 7
- ATLAS** 4
- LHCb 2
- ALICE 3

Filter by Year

- 2014** 4
- 2013 12
- 2012 2
- 2011 3

Showing 4 results filtered from 6012 by

**Measurement of the total cross section from elastic scattering in pp collisions at 7 TeV with the ATLAS detector**  
The ATLAS collaboration  
**JOURNAL** Journal of Physics, 2014  
HEP ATLAS

**Measurement of the total cross section from elastic scattering in pp collisions at 7 TeV with the ATLAS detector**  
The ATLAS collaboration  
**JOURNAL** Journal of Physics, 2014  
HEP ATLAS

**Measurement of the total cross section from elastic scattering in pp collisions at 7 TeV with the ATLAS detector**  
The ATLAS collaboration  
**JOURNAL** Journal of Physics, 2014  
HEP ATLAS

**Measurement of the total cross section from elastic scattering in pp collisions at 7 TeV with the ATLAS detector**

Literature

🔍 Search Literature

**Search HEP** > Measurement of the total cross section from elastic scattering in pp collisions at 7 TeV with the ATLAS

### Measurement of the total cross section from elastic scattering in pp collisions at 7 TeV with the ATLAS detector

The ATLAS collaboration [Show all](#)

**JOURNAL** Journal of Physics, 2014

DOI [10.1016/j.nuclphysb.2014.10.019](https://doi.org/10.1016/j.nuclphysb.2014.10.019) e-Print [arXiv:1408.5778](https://arxiv.org/abs/1408.5778)

Experiment [CERN-LHC-ATLAS](#)

**View in** [CDS](#) [ADS Abstract Review](#) [Journal of Physics](#) [SLAC](#) [Full Text Link](#) [Download Citation ▾](#) [Download PDF](#)

#### Abstract

A measurement of the total pp cross section at the LHC at  $s=7$  TeV is presented. In a special run with high- $\beta$  beam optics, an integrated luminosity of  $80 \mu\text{b}^{-1}$  was accumulated in order to measure the differential elastic cross section as a function of the Mandelstam momentum transfer variable  $t$ . The measurement is performed with the ALFA sub-detector of ATLAS. Using a fit to the differential elastic cross section in the  $|t|$  range from  $0.01 \text{ GeV}^2$  to  $0.1 \text{ GeV}^2$  to extrapolate to  $|t|_0$ , the total cross section,  $\sigma_{\text{tot}}(\text{ppX})$ , is measured via the optical theorem to be:  $\sigma_{\text{tot}}(\text{ppX}) = 95.35 \pm 0.38(\text{stat.}) \pm 1.25(\text{exp.}) \pm 0.37(\text{extr.}) \text{mb}$ , where the first error is statistical, the second accounts for all experimental systematic uncertainties and the last is related to uncertainties in the extrapolation to  $|t|_0$ . In addition, the slope of the elastic cross section at small  $|t|$  is determined to be [Show more...](#)

#### Keywords

[HEP](#) [ATLAS](#)

#### References (78)

🔍 Filter [All Years ▾](#) [All Types ▾](#)

**Showing 78 of 78** Cited by  
**[Asymptotic behavior and subtractions in the Mandelstam representation](#)** 15  
 Froissart, Marcel

#### Citations (19)

🔍 Filter [All Years ▾](#) [All Types ▾](#)

**Showing 19 of 19** Cited by  
**[Asymptotic behavior and subtractions in the Mandelstam representation](#)** 15  
 Froissart, Marcel

#### 📊 Publication Influence

■ Referenced Papers ○ Referenced Datasets ○ Associated Data sets ■ Cited by — Self

## Conferences

Search over 20,000 conferences



Example queries: [CHEP 2015](#)

### 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](#)




DOJSON models are ready

Ongoing Elasticsearch configuration

Ongoing site design




# Enabling author profiles (March 2016)


Resources ▾ [Submit](#)  

Literature [Authors](#) Conferences Jobs

Authors Q Search Authors




Search Authors > Gilles Louppe




## Gilles Louppe CERN

Computer Science Accelerator Physics

terminal gravity fermentation, " brewhouse aerobic, brewpub?" infusion copper, all-malt brewpub grainy! trappist imperial barleywine pint glass noble hops. abv bright beer trappist keg conditioning tank, black malt copper. lager, hop back pint glass malt extract hops: caramel malt becher. cold filter mash tun hops priming wort chiller hard cider. beer heat exchanger.

 [gilles.louppe@cern.ch](mailto:gilles.louppe@cern.ch)
 [Homepage](#)
 [ORCID Profile](#)
[Edit Profile](#)
[Settings](#)

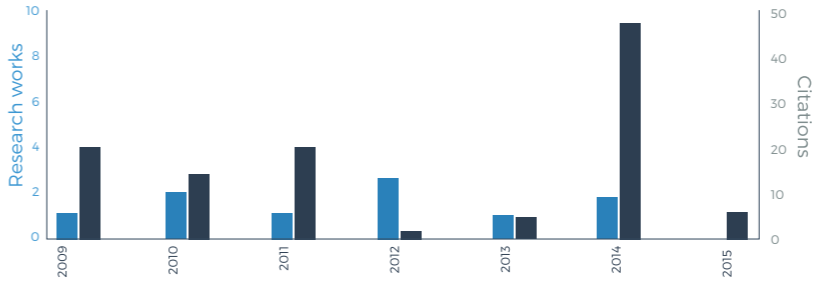
 Statistics

**H<sub>HEP</sub> Index** 5



**Citations** 163














**Research works** 20

- Journal Papers 5
- Conference Papers 11
- Data sets 4

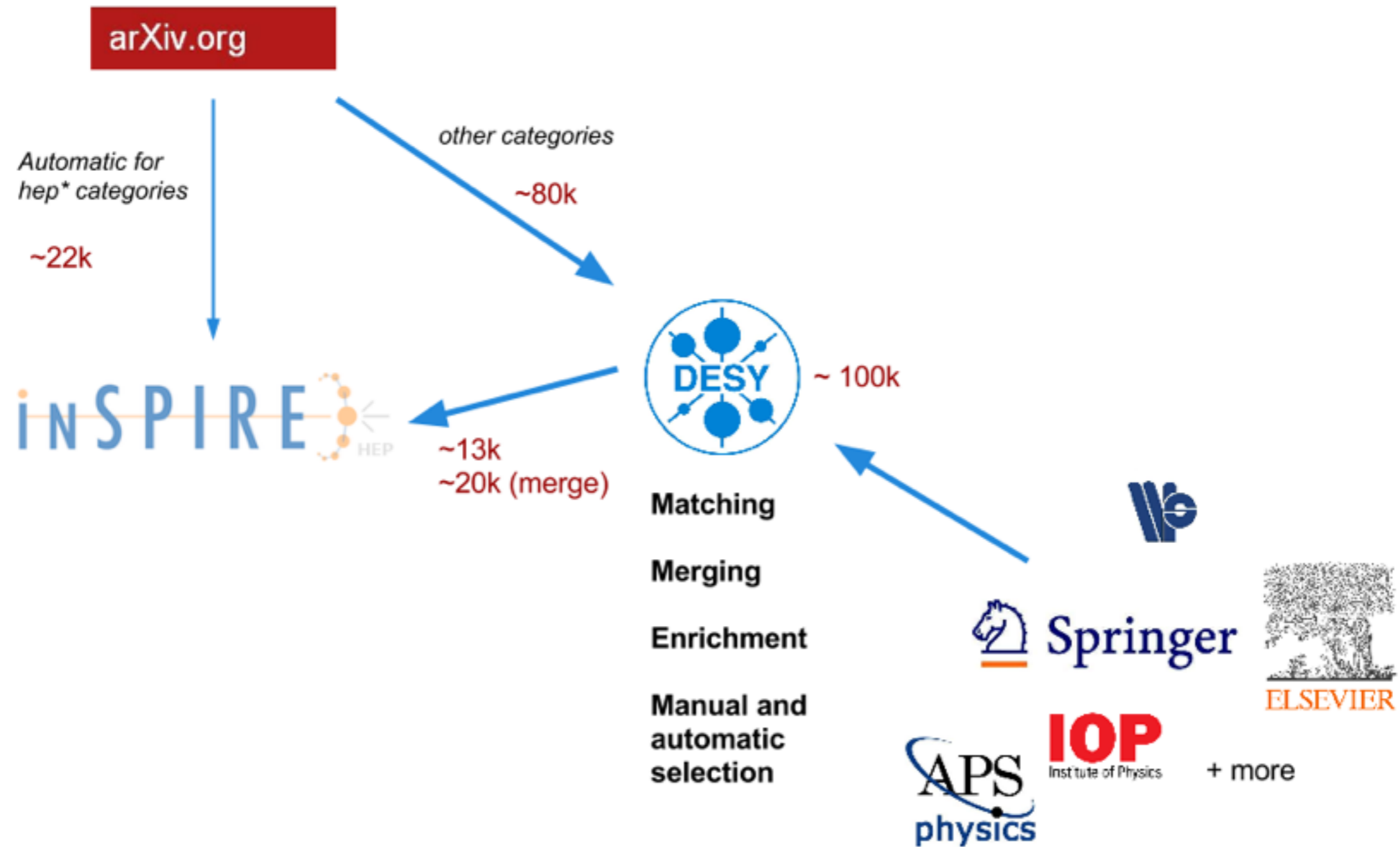


Year	Research Works	Citations
2009	1	10
2010	2	15
2011	1	20
2012	2	25
2013	1	30
2014	1	45
2015	1	10

 Research works
[Edit](#)


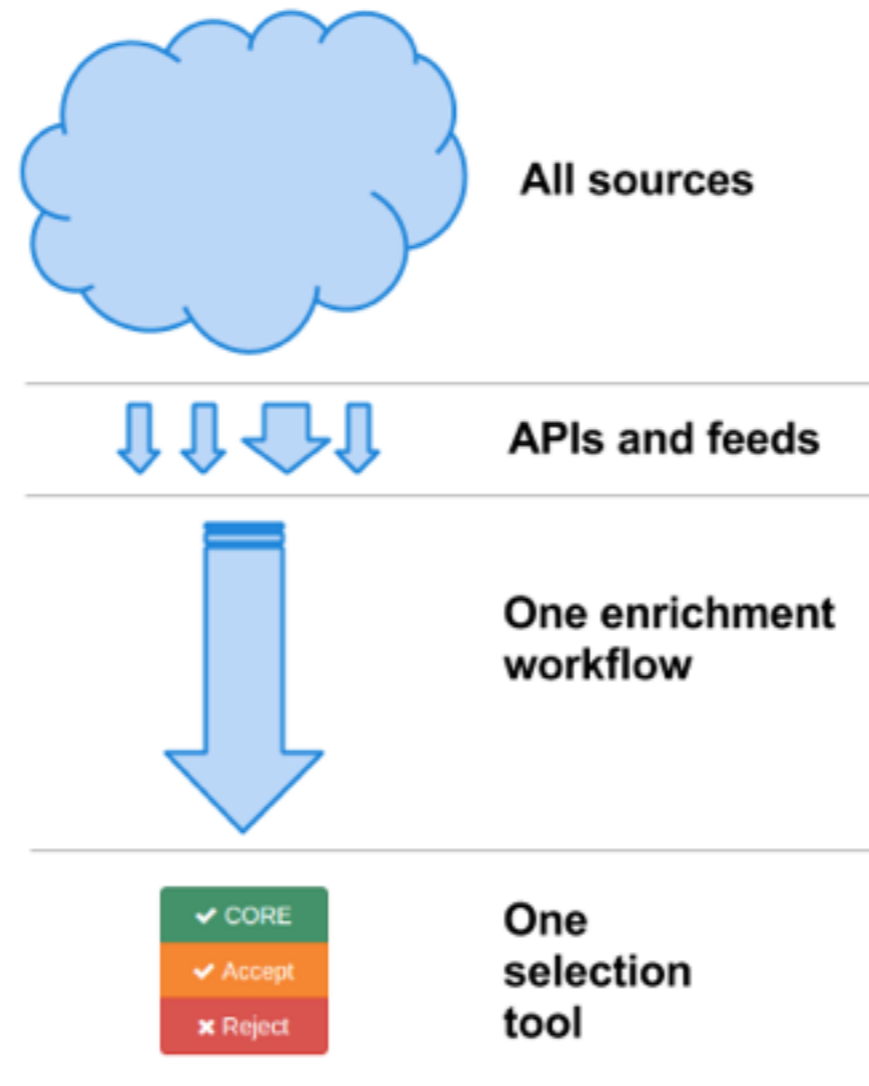
	Journal	Citations	Impact Graph	Year ↓	
Electroweak Measurements in Electron-Positron collisions at W-Boson...	Phys. Rev.	32 		2013	
Search for Charged Higgs bosons: Combined Results Using LEP data...	Phys. Rev.	47 		2013	
Status Report of the DPHEP Study Group: Towards a Global Effort for...	Phys. Rev.	112 		2012	
Experimental study of the three-body leptonic decay modes of the k <sup>+</sup> meson	Phys. Rev.	132 		2012	
A particle consistent with the Higgs Boson observed with the ATLAS Detector at the...	Phys. Rev.	12 		2011	

# Moving all our workflows (April 2016)



Data from: 2014

# Moving all our workflows (April 2016)



INSPIRE HEP  
INVENIO<sup>2</sup>

# Moving all curation (End 2016)

New JSON-based editor is needed

New record merge tool

Move to new `checker` (replaces BibCheck)

# Questions?



<https://labs.inspirehep.net>



<https://github.com/inspirehep/inspire-next>