

INSPIRE and “data”

Sünje Dallmeier-Tiessen (CERN)

and

Zaven Akopov (Desy)

for the INSPIRE collaboration

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Information

References (55)

Citations (204)

Files

Plots

HepData

Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions.

ATLAS Collaboration (Georges Aad (Freiburg U.) *et al.*) [Show all 3024 authors](#).

Sep 2011 - 9 pages

Phys.Lett. B710 (2012) 67-85

DOI: [10.1016/j.physletb.2012.02.051](https://doi.org/10.1016/j.physletb.2012.02.051)

CERN-PH-EP-2011-145

e-Print: [arXiv:1109.6572](https://arxiv.org/abs/1109.6572) [hep-ex] | [PDF](#)

Experiment: [CERN-LHC-ATLAS](#)

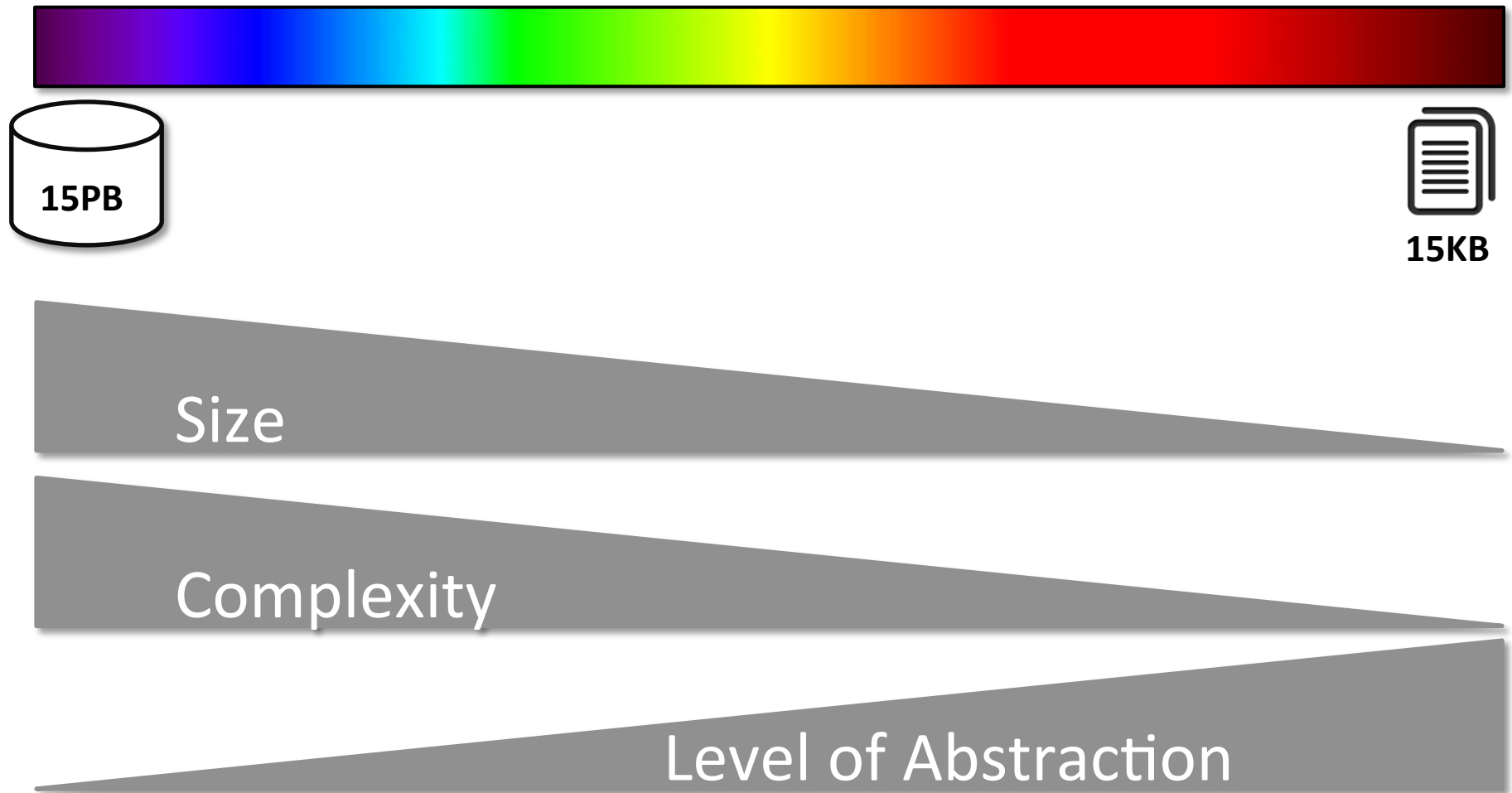
Abstract: A search for squarks and gluinos in events containing jets, missing transverse momentum and no electrons or muons is presented. The data were recorded in 2011 by the ATLAS experiment in $\sqrt{s} = 7$ TeV proton-proton collisions at the Large Hadron Collider. No excess above the Standard Model background expectation is observed in 1.04 fb^{-1} of data. Gluino and squark masses below 700 GeV and 875 GeV respectively are excluded at the 95% confidence level in simplified models containing only squarks of the first two generations, a gluino octet and a massless neutralino. The exclusion limit increases to 1075 GeV for squarks and gluinos of equal mass. In MSUGRA/CMSSM models with $\tan(\beta)=10$, $A_0=0$ and $\mu > 0$, squarks and gluinos of equal mass are excluded for masses below 950 GeV. These limits extend the region of supersymmetric parameter space excluded by previous measurements.

Note: 9 pages plus author list (20 pages total), 2 figures, 3 tables, matches published version in Physics Letters B



More than publications....

Spectrum of Research Data in HEP

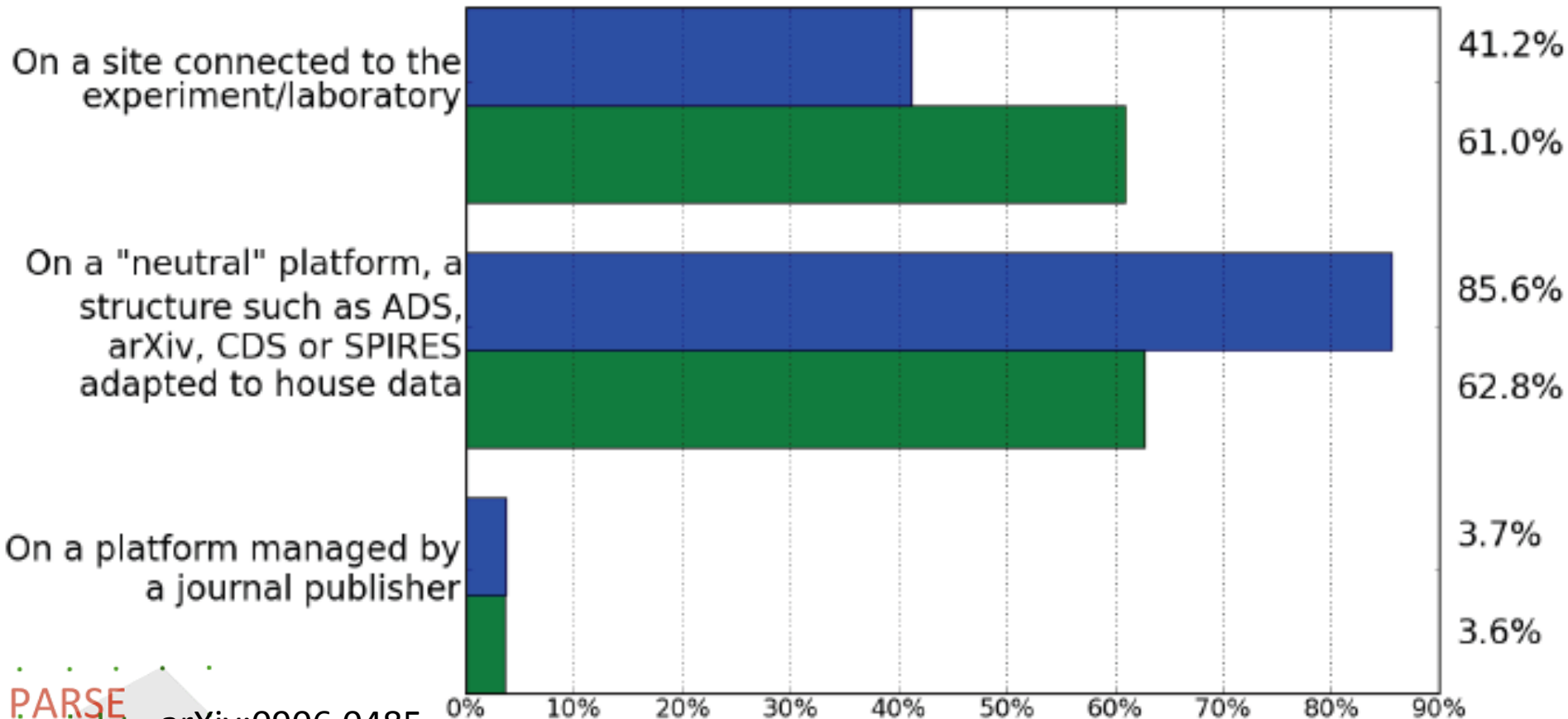


DPHEP tiers

Preservation Model	Use case
1. Provide additional documentation	Publication-related information search
2. Preserve the data in a simplified format	Outreach, simple training analyses
3. Preserve the analysis level software and data format	Full scientific analysis based on existing reconstruction
4. Preserve the reconstruction and simulation software and basic level data	Full potential of the experimental data

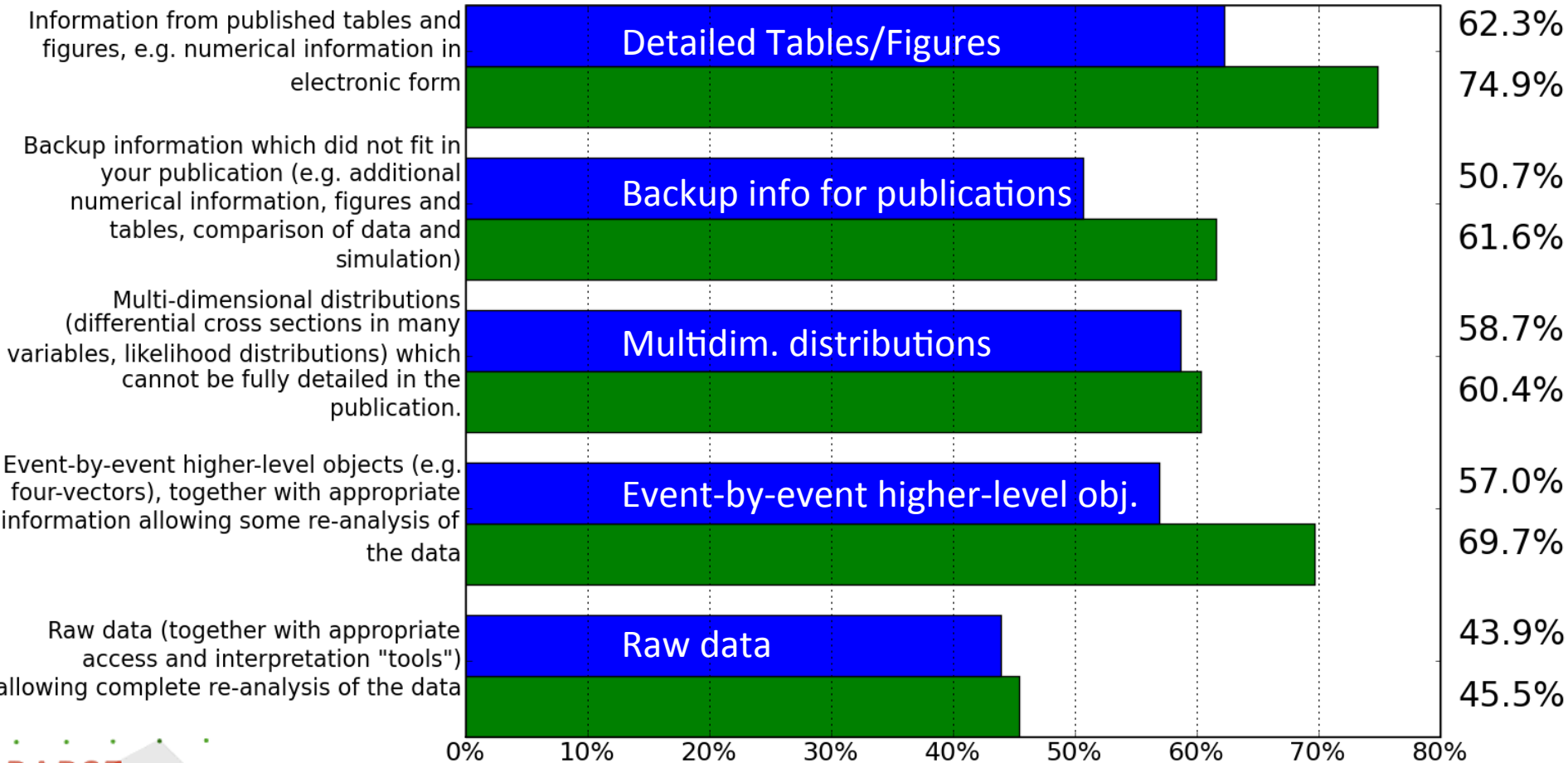
What HEP researchers told us:

Where should data be preserved ?
(top/blue: theorists, bottom/green: experimentalists)



In more detail:

At what level of detail should data be preserved ?
(top/blue: theorists, bottom/green: experimentalists)



Information

References (55)

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Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions.

ATLAS Collaboration (Georges Aad (Freiburg U.) *et al.*) [Show all 3024 authors](#).

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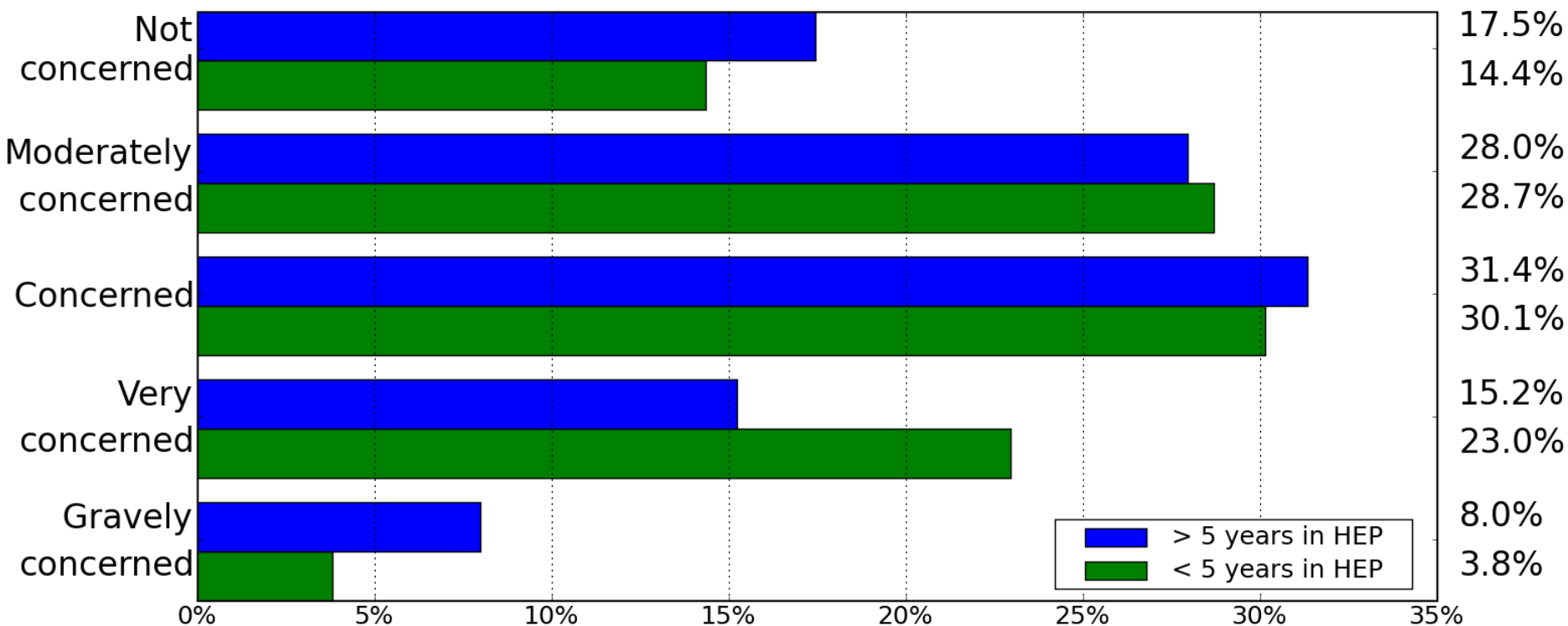
Abstract: A search for squarks and gluinos in events containing jets, missing transverse momentum and no electrons or muons is presented. The data were recorded in 2011 by the ATLAS experiment in $\sqrt{s} = 7$ TeV proton-proton collisions at the Large Hadron Collider. No excess above the Standard Model background expectation is observed in 1.04 fb^{-1} of data. Gluino and squark masses below 700 GeV and 875 GeV respectively are excluded at the 95% confidence level in simplified models containing only squarks of the first two generations, a gluino octet and a massless neutralino. The exclusion limit increases to 1075 GeV for squarks and gluinos of equal mass. In MSUGRA/CMSSM models with $\tan(\beta)=10$, $A_0=0$ and $\mu > 0$, squarks and gluinos of equal mass are excluded for masses below 950 GeV. These limits extend the region of supersymmetric parameter space excluded by previous measurements.

Note: 9 pages plus author list (20 pages total), 2 figures, 3 tables, matches published version in Physics Letters B

Worries: getting credit

To what extent are you concerned about the following issues related to giving access to preserved data ?

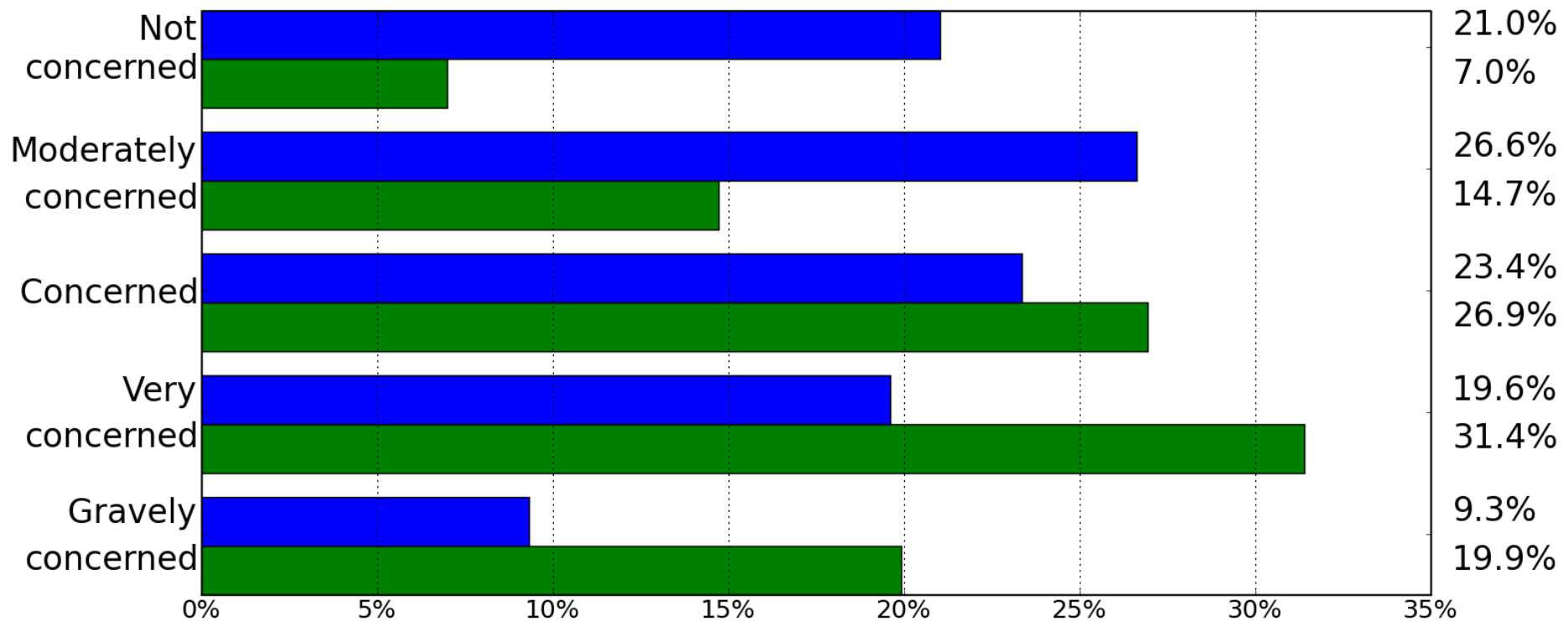
a) Preserved data could be used without giving proper credit to the original authors



Worries: inflation/noise

To what extent are you concerned about the following issues related to giving access to preserved data ?

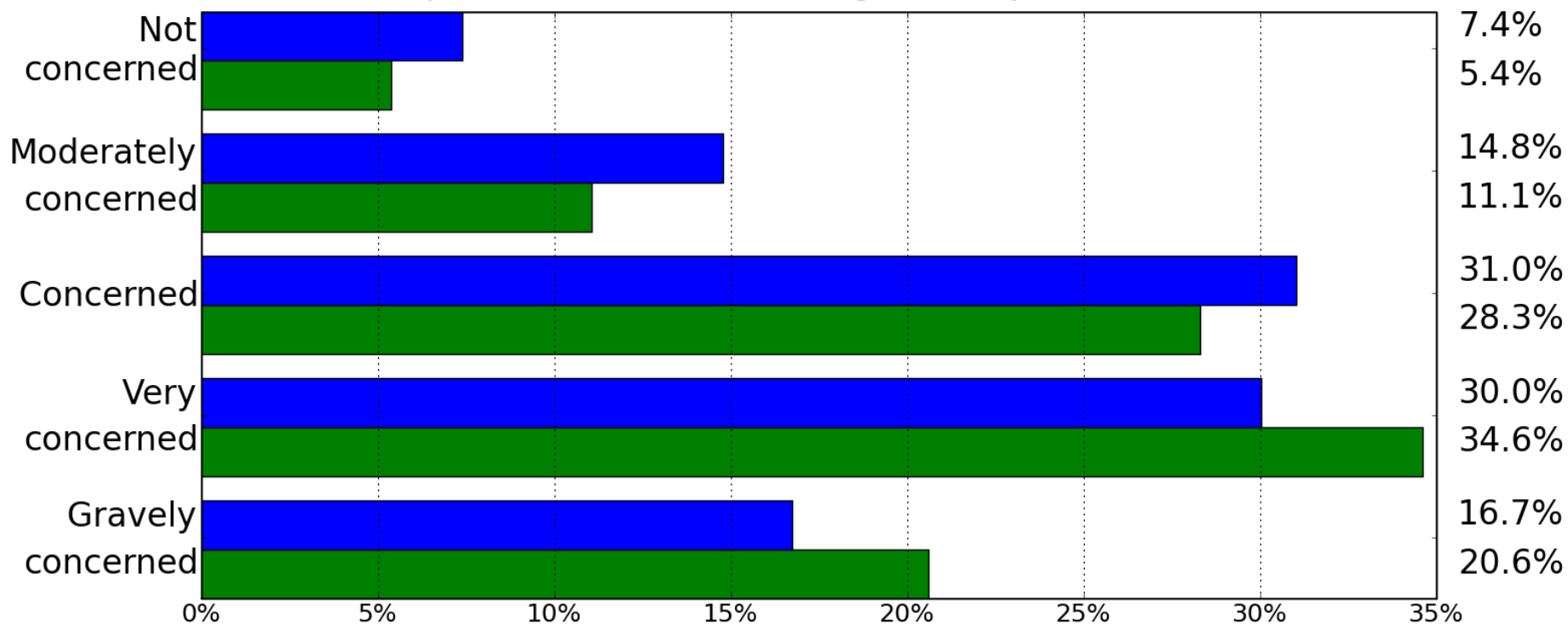
b) Uncontrolled access to data may lead to an inflation of incorrect results
(top/blue: theorists, bottom/green: experimentalists)



Worries: documentation

If you were to re-use preserved data, to what extent would you be concerned by the following scenarios ?

d) I am not using the data correctly
(top/blue: theorists, bottom/green: experimentalists)



Our Past

Connecting publications and
HEPData...

Information

References (28)

Citations (7)

Files

Plots

Measurement of the Strange B Meson Production Cross Section with J/Psi phi Decays in pp Collisions at $\sqrt{s} = 7$ TeV.

CMS Collaboration (Serguei Chatrchyan *et al.*) [Show all 2194 authors.](#)

Jun 2011
mult. pp.

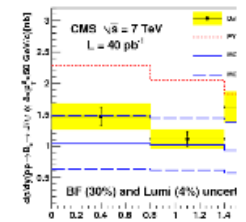
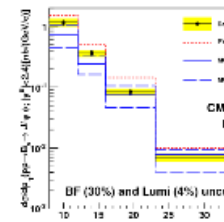
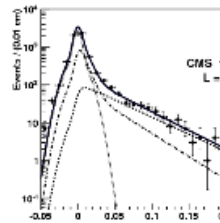
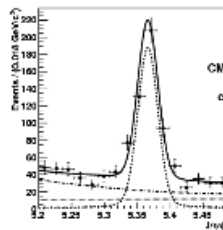
Phys.Rev. D84 (2011) 052008
CMS-BPH-10-013,CERN-PH-EP-2011-063
e-Print: [arXiv:1106.4048 \[hep-ex\]](#)

Abstract: The B^0_s differential production cross section is measured as functions of the transverse momentum and rapidity in pp collisions at $\sqrt{s} = 7$ TeV, using the J/Psi phi decay, and compared with predictions based on perturbative QCD calculations at next-to-leading order. The data sample, collected by the CMS experiment at the LHC, corresponds to an integrated luminosity of 40 inverse picobarns. The B^0_s is reconstructed from the decays J/Psi to an oppositely charged muon pair and phi to $K^+ K^-$. The integrated B^0_s cross section times B^0_s to J/Psi phi branching fraction in the range $8 < p_t(B) < 50$ GeV/c and $|y(b)| < 2.4$ is measured to be $6.9 \pm 0.6 \pm 0.6$ nb, where the first uncertainty is statistical and the second is systematic.

Keyword(s): [INSPIRE: B/s0: hadroproduction](#) | [p p: interaction](#) | [B/s0: hadronic decay](#) | [J/psi\(3100\): leptonic decay](#) | [Phi\(1020\): hadronic decay](#) | [differential cross section: transverse momentum](#) | [rapidity dependence](#) | [quantum chromodynamics: perturbation theory](#) | [higher-order: 1](#) | [channel cross section: branching ratio: measured](#) | [CERN LHC Coll](#) | [experimental results](#) | [CMS](#) | [B/s0 --> J/psi\(3100\) Phi\(1020\)](#) | [J/psi\(3100\) --> muon+ muon-](#) | [Phi\(1020\) --> K+ K-](#) | [7000 GeV-cms](#)

Keyword(s): INSPIRE: [B/s0: hadroproduction](#) | [p p: interaction](#) | [B/s0: hadronic decay](#) | [J/psi\(3100\): leptonic decay](#) | [Phi\(1020\): hadronic decay](#) | [differential cross section: transverse momentum](#) | [rapidity dependence](#) | [quantum chromodynamics: perturbation theory](#) | [higher-order: 1](#) | [channel cross section: branching ratio: measured](#) | [CERN LHC Coll](#) | [experimental results](#) | [CMS](#) | [B/s0 --> J/psi\(3100\) Phi\(1020\)](#) | [J/psi\(3100\) --> muon+ muon-](#) | [Phi\(1020\) --> K+ K-](#) | [7000 GeV-cms](#)

Note: * Temporary entry *



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CHATRCHYAN 2011 — Measurement of the Strange B Meson Production Cross Section with J/Psi phi Decays in pp Collisions at $\sqrt{s} = 7$ TeV

Experiment: [CERN-LHC-CMS \(CMS\)](#)

Published in [PR D84,052008](#)

Preprinted as [CERN-PH-EP-2011-063](#)

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CERN-LHC. Measurement of the total cross section and differential cross sections as functions of transverse momentum and rapidity for B/S strange mesons produced in proton-proton collisions at a centre-of-mass energy of 7 TeV. The cross sections are given uncorrected for the B/S $\langle J/\Psi \text{ PHI} \rangle$ decay using $J/\Psi \langle \text{MI}^+ \text{ MI}^- \rangle$ and $\text{PHI} \langle \text{K}^+ \text{ K}^- \rangle$ branching fractions of (5.93 ± 0.06) PCT

Where we are now

Bringing together INSPIRE and
HEPdata

Trustworthy “data” workflows with INSPIRE



Data generation

Data processing

Data submission (e.g. via HEPData)

“Data” DOI

“Data” reuse

“Data” citation



Information

References (55)

Citations (204)

Files

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Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ TeV proton-proton collisions.

ATLAS Collaboration (Georges Aad (Freiburg U.) *et al.*) [Show all 3024 authors.](#)

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Phys.Lett. B710 (2012) 67-85

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CERN-PH-EP-2011-145

e-Print: [arXiv:1109.6572](https://arxiv.org/abs/1109.6572) [hep-ex] | [PDF](#)

Experiment: [CERN-LHC-ATLAS](#)

Abstract: A search for squarks and gluinos in events containing jets, missing transverse momentum and no electrons or muons is presented. The data were recorded in 2011 by the ATLAS experiment in $\sqrt{s} = 7$ TeV proton-proton collisions at the Large Hadron Collider. No excess above the Standard Model background expectation is observed in 1.04 fb^{-1} of data. Gluino and squark masses below 700 GeV and 875 GeV respectively are excluded at the 95% confidence level in simplified models containing only squarks of the first two generations, a gluino octet and a massless neutralino. The exclusion limit increases to 1075 GeV for squarks and gluinos of equal mass. In MSUGRA/CMSSM models with $\tan(\beta)=10$, $A_0=0$ and $\mu > 0$, squarks and gluinos of equal mass are excluded for masses below 950 GeV. These limits extend the region of supersymmetric parameter space excluded by previous measurements.

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Information References Citations Files Plots HepData

[Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in \$\sqrt{s} = 7\$ TeV proton-proton collisions](#) - ATLAS Collaboration (Aad, Georges *et al.*) Phys.Lett. B710 (2012) 67-85 arXiv:1109.6572 [hep-ex] CERN-PH-EP-2011-145

THIS DATA COMES FROM THE DURHAM HEPDATA PROJECT

SUMMARY:

Comments: The distribution in M_{eff} (scalar sum of the missing transverse momentum and the transverse momenta of the two highest p_T jets) for events with at least 2 jets after the application of all selection criteria (other than the M_{eff} cut itself). The table shows the number of observed data points per 100 GeV bin plus the background prediction of the Standard-Model Monte-Carlo and its upper and lower 1-sigma error limits uncertainty band..

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Plain	↑↑↑Plots↑↑
$ET_{MM} > 130 \text{ GeV}$	
$M_{EFFECTIVE} > 1000 \text{ GeV}$	
$p_{Tjet} > 40 \text{ GeV}$	
$p_{TLEADING jet} > 130 \text{ GeV}$	
$pp \rightarrow 0l \geq 2JETS MM$	
$\sqrt{s} = 7000.0 \text{ GeV}$	
$= dATA = BACKGROUND$	
$ET_{MM}/M_{EFFECTIVE} = 0.3$	
$M_{EFF} (\text{GeV})$	$N/100 \text{ GeV}$

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Plain

↑↑↑Plot↑↑↑

$ET_{MM} > 130 \text{ GeV}$
 $M_{EFFECTIVE} > 1000 \text{ GeV}$
 $p_{Tjet} > 40 \text{ GeV}$
 $p_{TLEADING jet} > 130 \text{ GeV}$
 $pp \rightarrow 0l \geq 2JETS MM$
 $\sqrt{s} = 7000.0 \text{ GeV}$
 = *dATA* = *BACKGROUND*
 $ET_{MM}/M_{EFFECTIVE} = 0.3$
 $M_{EFF} (\text{GeV})$ $N/100 \text{ GeV}$

↑↑↑Collapse↑↑↑

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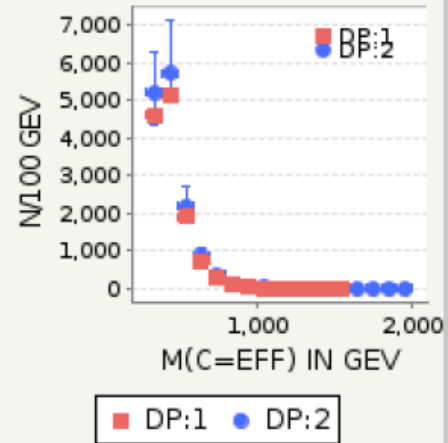
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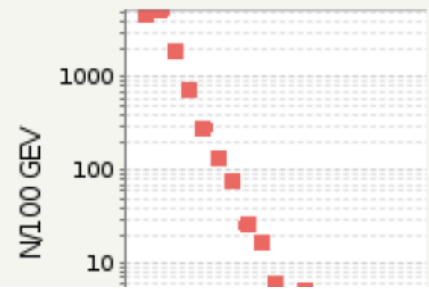
$ET_{MM} > 130 \text{ GeV}$
 $M_{EFFECTIVE} > 1000 \text{ GeV}$
 $p_{Tjet} > 40 \text{ GeV}$
 $p_{TLEADING jet} > 130 \text{ GeV}$
 $pp \rightarrow 0l \geq 2JETS_{MM}$
 $\sqrt{s} = 7000.0 \text{ GeV}$
 = *dATA* = *BACKGROUND*
 $ET_{MM}/M_{EFFECTIVE} = 0.3$
 $M_{EFF} \text{ (GeV)}$ $N/100 \text{ GeV}$

↑↑↑Hide↑↑↑



↑↑↑Collapse↑↑↑

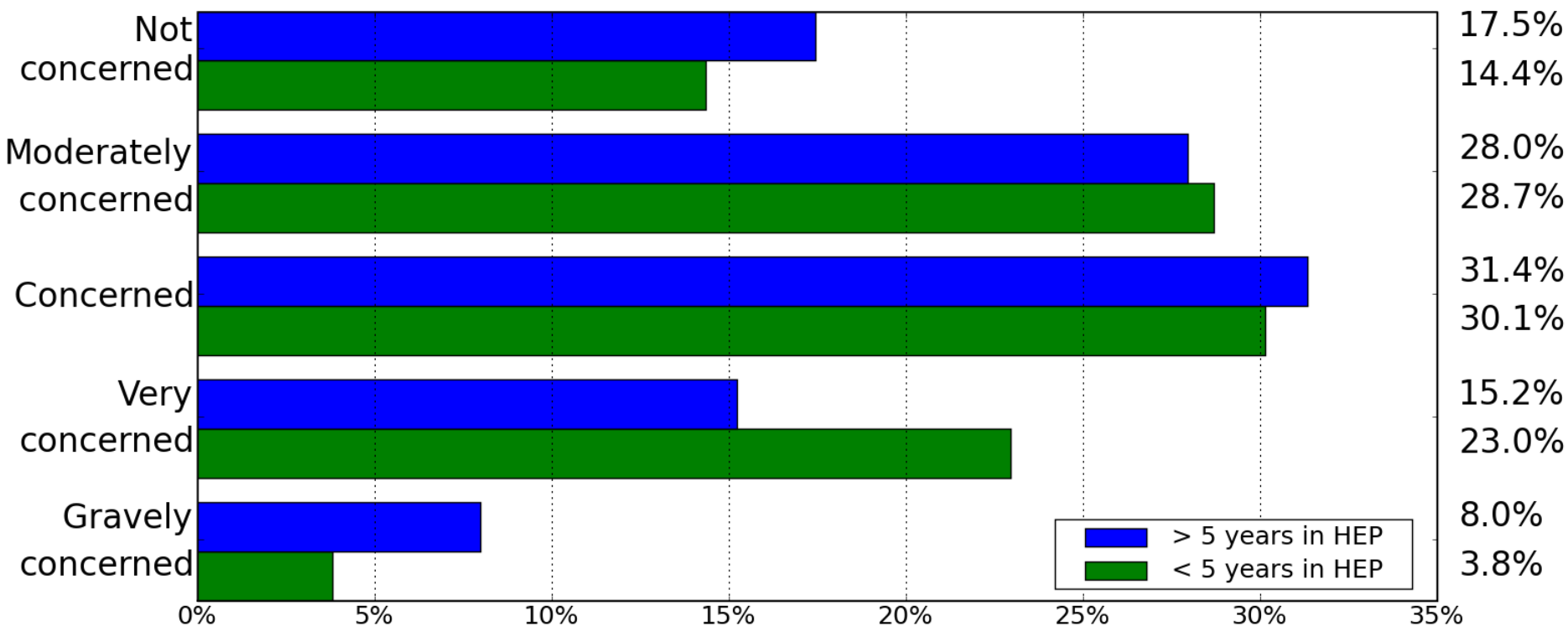
$M_{EFF} \text{ (GeV)}$	$N/100 \text{ GeV}$	$N/100 \text{ GeV}$
300.- 400.	4605	5214 +1051, -845
400.- 500.	5159	5725 +1426, -759
500.- 600.	1905	2198 +516, -320
600.- 700.	739	888 +199, -104
700.- 800.	281	381 +109, -84
800.- 900.	133	120 +61, -41



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To what extent are you concerned about the following issues related to giving access to preserved data ?

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Information

References

Citations

Files


Plots

Observation of Long-Range Near-Side Angular Correlations in Proton-Proton Collisions

at the LHC - CMS Collaboration (Khachatryan, Vardan *et al.*) JHEP 1009 (2010) 091


arXiv:1009.4122 [hep-ex] CMS-QCD-10-002, CERN-PH-EP-2010-031

JHEP file(s):

 JHEP-1009-2010-091


version 1 [JHEP-1009-2010-091.pdf](#) [781.98 KB] 02 Dec 2010, 16:17

Supplementary Material file(s):

 CMS-QCD-10-002

version 1 [CMS-QCD-10-002.mat.txt](#) [9.07 KB] 01 Dec 2010, 18:57 *Additional data-tables for the figures.*

arXiv file(s):

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References (38)

Citations (111)

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Observation of Long-Range Near-Side Angular Correlations in Proton-Proton Collisions at the LHC.

CMS Collaboration ([Vardan Khachatryan et al.](#)) [Show all 2164 authors.](#)

Sep 2010

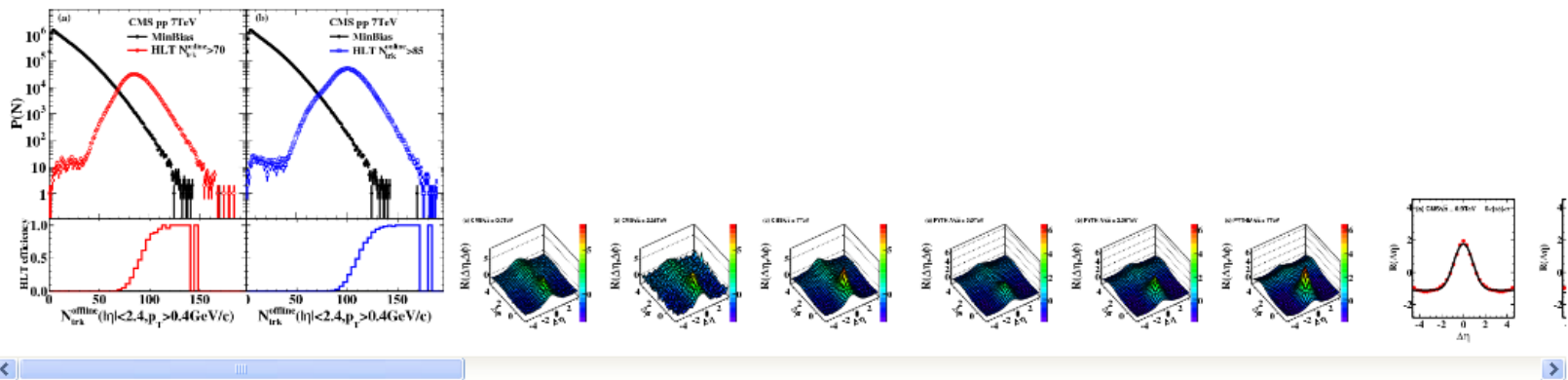
JHEP 1009 (2010) 091

CMS-QCD-10-002, CERN-PH-EP-2010-031

e-Print: [arXiv:1009.4122 \[hep-ex\]](#)

Abstract: Results on two-particle angular correlations for charged particles emitted in proton-proton collisions at center-of-mass energies of 0.9, 2.36, and 7 TeV are presented, using data collected with the CMS detector over a broad range of pseudorapidity (η) and azimuthal angle (ϕ). Short-range correlations in $\Delta(\eta)$, which are studied in minimum bias events, are characterized using a simple 'independent cluster' parametrization in order to quantify their strength (cluster size) and their extent in η (cluster decay width). Long-range azimuthal correlations are studied differentially as a function of charged particle multiplicity and particle transverse momentum using a 980 inverse nb data set at 7 TeV. In high multiplicity events, a pronounced structure emerges in the two-dimensional correlation function for particle pairs with intermediate transverse momentum of 1-3 GeV/c, $2.0 < |\Delta(\eta)| < 4.8$ and $\Delta(\phi)$ near 0. This is the first observation of such a long-range, near-side feature in two-particle correlation functions in pp or p-p-bar collisions.

Keyword(s): INSPIRE: [correlation function: two-particle](#) | [angular correlation: two-particle](#) | [charged particle: multiplicity](#) | [rapidity: correlation](#) | [correlation: short-range](#) | [p.p. inelastic scattering](#) | [correlation: long-range](#) | [CERN LHC Coll](#) | [CMS](#) | [transverse momentum: dependence](#) | [experimental results](#) | [track data analysis: cluster](#) | [900: 2360: 7000 GeV-cms](#)



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DOI: 10.1007/JHEP09(2010)091

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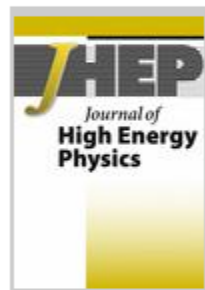
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JOURNAL OF HIGH ENERGY PHYSICS

Volume 2010, Number 9, 1-38, DOI: 10.1007/JHEP09(2010)091

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Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC

The CMS collaboration, V. Khachatryan, A. M. Sirunyan, A. Tumasyan, W. Adam, T. Bergauer, M. Dragicevic, J. Erö, C. Fabjan and M. Friedl, *et al.*

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DOI: 10.1103/PhysRevC.
85.014911

Cited By

1. Aamodt, K. (2012) ... *Physics Letters B*
2. Bożek, Piotr (2012) Collective flow in p-Pb and d-Pb collisions at TeV energies. *Physical Review C* 85(1)
3. Gavin, Sean (2012) Fluctuation probes of early-time correlations in nuclear collisions. *Physical Review C* 85(1)

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Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36,$ and 7 TeV The CMS collaboration
- Journal Article
Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV The CMS collaboration
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INSPIRE NEWS

2012-11-09 We updated our

[Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in \$\sqrt{s} = 7\$ TeV proton-proton collisions](#) - [Aad, Georges](#) *et al*

doi:10.7483/inspirehep.data.123.456

Extra resource relating to the paper arxiv:1109.6572

Experimental acceptance/efficiency and excluded cross section*branching ratios:

[Signal expectations and experimental acceptance/efficiency for \$M_{\text{gluino}}\$ vs \$M_{\text{squark}}\$ grid \(massless LSP\)](#) , doi:10.7483/inspirehep.data.Z12.345

[Signal expectations and experimental acceptance/efficiency for CMSSM/MSUGRA grid](#) , doi:10.7483/inspirehep.data.543.21X

SLHA files:

[susy sqgl slha files](#), doi:10.7483/inspire-hep.data.432-1MN

[susy CMSSM/MSUGRA slha files](#) , doi:10.7483/inspirehep.data.432.1BA

The Durham HepData Project

REACTION DATABASE DATA REVIEWS PARTON DISTRIBUTION FUNCTION SERVER OTHER HEP RESOURCES

ATLAS MSSM_sqgl Spring 2011 slha data files

MSSM_sqgl	g-mass															
s-mass	0050	0100	0200	0300	0400	0500	0600	0700	0800	0900	1000	1200	1400	1600	1800	2000
0050	y	y	y	y	y	y	y	y	y	y	y		y			y
0100	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y
0200	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y
0300	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y
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0500	y	y	y	y	y	y	y	y	y	y	y					
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0700	y	y	y	y	y	y	y	y	y	y	y					
0800	y	y	y	y	y	y	y	y	y	y	y	y		y	y	
0900	y	y	y	y	y	y	y	y	y	y	y					
1000	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y	y
1200		y	y	y	y		y		y		y	y	y	y	y	y
1400	y	y	y	y	y		y				y	y	y	y	y	y
1600		y	y	y	y		y		y		y	y	y	y	y	y
1800		y	y	y	y		y		y		y	y	y	y	y	y
2000	y	y	y	y	y		y				y	y	y	y	y	y

efficiency*acceptance information: [sqgl_0lgrid_HEPdata.txt](#)
 gzipped tar file of all data files: [MSSM_sqgl.tar.gz](#)
 uuencoded version of above: [MSSM_sqgl.uu](#)

References

- [1] J. Bagger and N. Lambert, *Modeling multiple M2's*, *Phys. Rev. D* **75** (2007) 045020 [[hep-th/0611108](#)] [[INSPIRE](#)].
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- [3] A. Gustavsson, *Algebraic structures on parallel M2-branes*, *Nucl. Phys. B* **811** (2009) 66 [[arXiv:0709.1260](#)] [[INSPIRE](#)].
- [4] O. Aharony, O. Bergman, D.L. Jafferis and J. Maldacena, *$N = 6$ superconformal Chern-Simons-matter theories, M2-branes and their gravity duals*, *JHEP* **10** (2008) 091 [[arXiv:0806.1218](#)] [[INSPIRE](#)].
- [5] O. Aharony, O. Bergman and D.L. Jafferis, *Fractional M2-branes*, *JHEP* **11** (2008) 043 [[arXiv:0807.4924](#)] [[INSPIRE](#)].
- [6] O. Aharony, M. Berkooz and N. Seiberg, *Light cone description of (2,0) superconformal theories in six-dimensions*, *Adv. Theor. Math. Phys.* **2** (1998) 119 [[hep-th/9712117](#)] [[INSPIRE](#)].
- [7] G. Aad et al. *Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ tev proton-proton collisions* (2011), [[ARXIV:1109.6572](#)] [[INSPIRE](#)]
- [8] G. Aad et al. Data from: *Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in $\sqrt{s} = 7$ tev proton-proton collisions* (2011), doi:10.1234/inspirehep.data.123.456

Information

References (55)

Citations(9)

Files

Plots

HEP Data

[Search for squarks and gluinos using final states with jets and missing transverse momentum with the ATLAS detector in \$\sqrt{s} = 7\$ TeV proton-proton collisions](#) - [Aad, Georges](#) *et al*

Paper (arXiv:1109.6572) **cited by: 7 records**

[more](#)

Datasets (doi:10.7483/inspire-hep.data.123.456) **cited by: 2 records**

[more](#)

cn: atlas

Citesummary

[find j "Phys.Rev.Lett.,105"](#) :: [more](#)

Sort by:

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Citations summary

Generated on 2012-11-18

1940 papers found, 1564 of them citeable (published or arXiv)

Citation summary results

Total number of papers analyzed:

1,564

Published only

466

Total number of citations:

10,226

8,398

Average citations per paper:

6.5

18.0

Breakdown of papers by citations:

Renowned papers (500+)

2

1

Famous papers (250-499)

2

2

Very well-known papers (100-249)

12

12

Well-known papers (50-99)

24

23

Known papers (10-49)

138

121

Less known papers (1-9)

448

170

Unknown papers (0)

938

137

Total number of citable datasets

12

Datasets often re-used

3

Re-used datasets

2

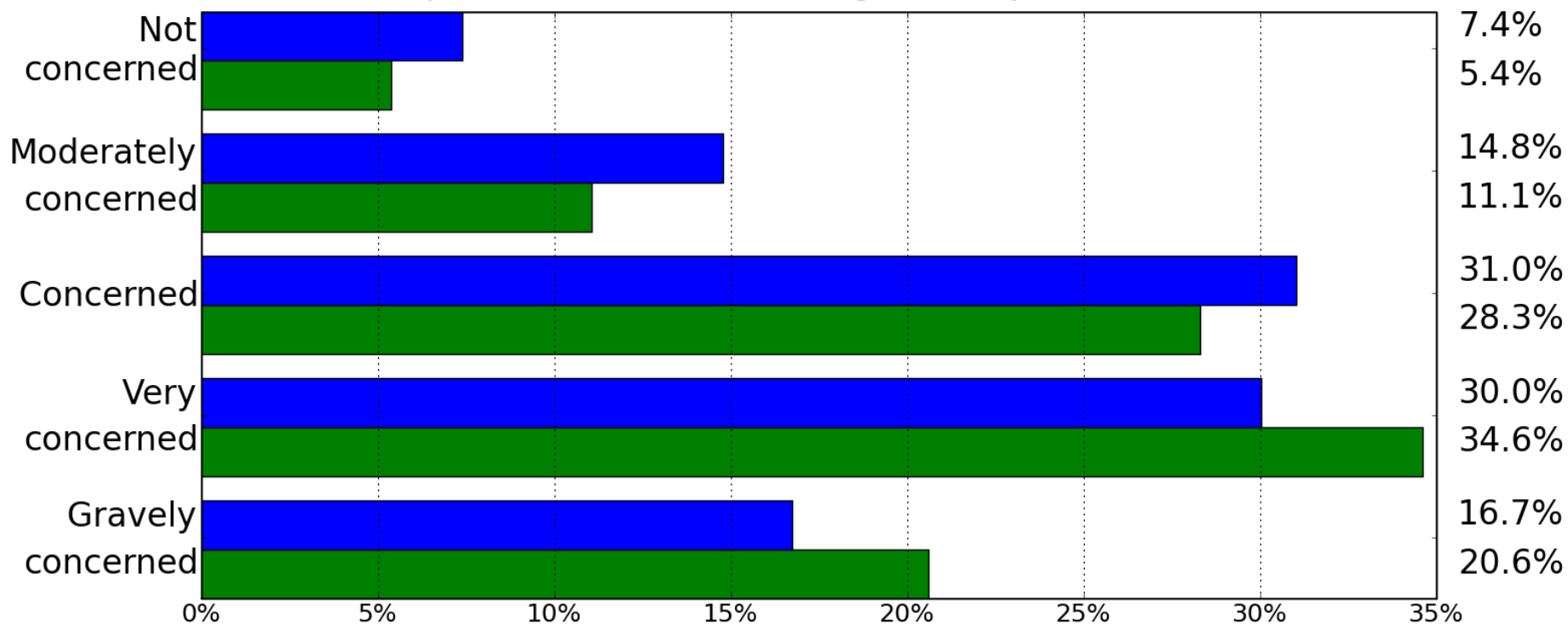
Published datasets

7

Worries: documentation

If you were to re-use preserved data, to what extent would you be concerned by the following scenarios ?

d) I am not using the data correctly
(top/blue: theorists, bottom/green: experimentalists)



Zaven Akopov (DESY)

REPORT ON LEVEL 1 PROJECT

Summary of Inspire activities with DPHEP

- Projects regarding the on storage of secondary data i.e. documents, notes, plots, are carried on successfully
 - Internal notes from HERMES, H1, ZEUS (HERA), D0 (Fermilab) have been **fully ingested and available for the collaboration members under corporate account.**
- the data preservation experts of the mentioned collaboration are now given the full access and control of the administration interface within Inspire
 - **They can upload, remove, and modify the contents of the collaboration's own collection.**
- since Inspire is now considered as 1st choice for all of the HEP documentation and secondary data storage needs; this leads to
- more potential collaborators such as CDF with which we are in direct contact already, also BaBar expressed interest. You are all welcome to join!

Restricted collections for secondary data



Login

If you already have an account, please login using the form below.

Username: j0ccoll

Password:

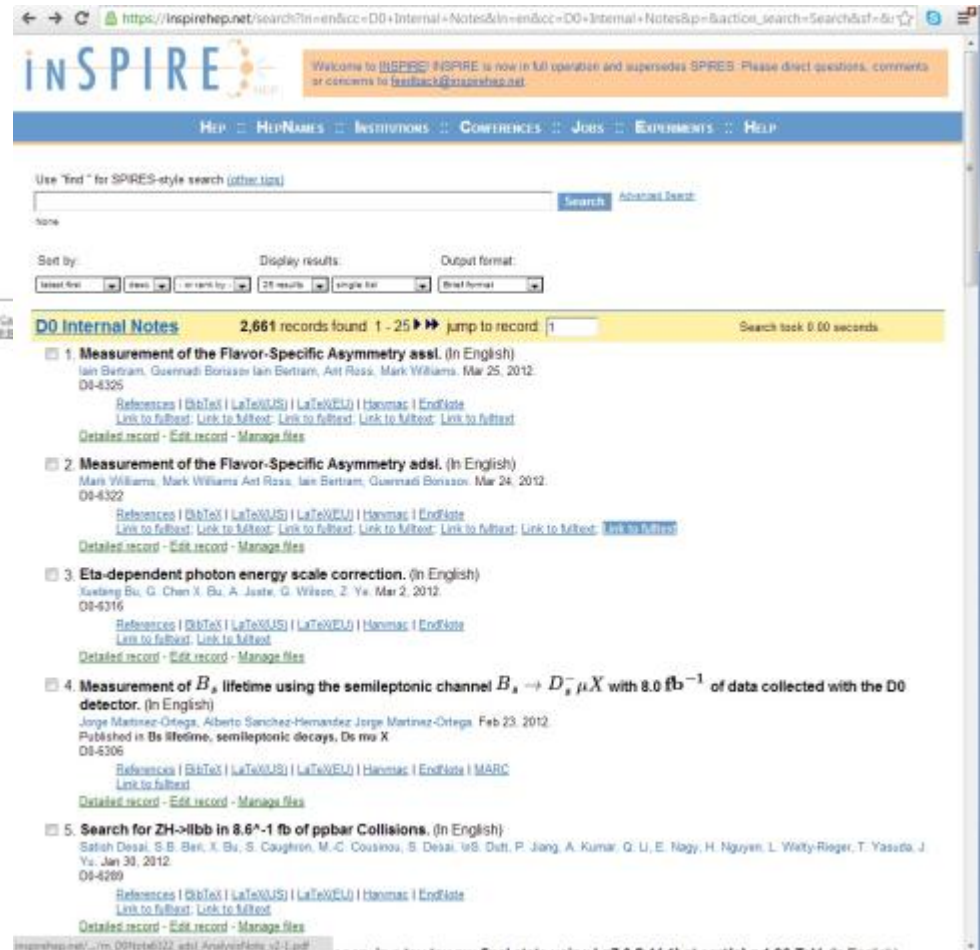
Remember login on this computer.

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[\(Lost your password?\)](#)

Note: You can use your nickname or your email address to login.

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Problems/Questions to feedback@inspirehep.net



- Collection contents visible only to authorised users
- Corporate log-in
- Technical notes, analysis info, documentation, etc.
- Secondary data – full-text files (pdf, latex), plots, tables

Full access and control of own collection

The screenshot shows the 'Your Account' section of the INSPIRE website. It includes a navigation bar with links for 'HEP', 'HEPNames', 'INSTITUTIONS', 'CONFERENCES', 'JOBS', 'EXPERIMENTS', and 'HELP'. The main content area is titled 'Your Account' and contains several sub-sections: 'Your Account' (with a link to 'Your Account'), 'Your Searches' (with a link to 'Your Searches'), 'Your Tickets' (with a link to 'Your Tickets'), and 'Your Administrative Activities' (with a link to 'Your Administrative Activities'). A message states: 'You are logged in as jonckheere. You may want to a) logout, b) edit your account settings.' Another message says: 'You have made 13 queries. A detailed list is available with a possibility to (a) view search results, email alerting service for these queries.' A third message says: 'You can consult the list of your tickets.' A fourth message says: 'You are enabled to the following roles: d0coll, claimpaperusers, anyuser, d0curator.' A fifth message says: 'Here are some interesting web admin links for you: Run Batch Uploader, Run Record Editor. For more admin-level activities, see the complete Admin Area.' At the bottom, there is a footer with 'DS Search - Help - Terms of Use - Privacy Policy' and 'powered by EDSO v1.0.2+'.

The screenshot shows a record page for a physics paper. The title is 'Measurement of B_s lifetime using the semileptonic channel $B_s \rightarrow D_s^- \mu X$ with 8.0 fb^{-1} of data collected with the D0 detector. (In English)'. The authors are 'Jorge Martinez-Ortega, Alberto Sanchez-Hernandez, Jorge Martinez-Ortega'. The date is 'Feb 23, 2012'. The experiment is 'D0-6306'. The record is 'Experiment: D0'. The page includes a navigation bar with links for 'HEP', 'HEPNames', 'INSTITUTIONS', 'CONFERENCES', 'JOBS', 'EXPERIMENTS', and 'HELP'. The main content area has tabs for 'Information', 'References (0)', 'Comments (0)', 'Files', and 'Links'. The record is titled 'Abstract collect Acceler energy $B_s^+ \rightarrow$ to take lifetime T_{B_s} the syst'.

The screenshot shows the record management interface of the INSPIRE website. It includes a navigation bar with links for 'HEP', 'HEPNames', 'INSTITUTIONS', 'CONFERENCES', 'JOBS', 'EXPERIMENTS', and 'HELP'. The main content area is titled 'Record' and contains a table of records. The table has columns for 'Record ID', 'Title', 'Author', and 'Date'. The records are listed as follows:

Record ID	Title	Author	Date
000	D0	B_PHYSICS	
035	D0		
037	D0kfe-6325		
041	D0-6325		
041	English		
100	Iain Beltram (Click to add)		
245	Measurement of the Flavor-Specific Asymmetry a_{sl}^1		
269	2012-3-25		
520	We present a measurement of the time integrated flavour specific semi-leptonic charge asymmetry in B_s decays a_{sl}^1 using $B_s \rightarrow D_s^- \mu^+ X$ decays where $D_s^- \rightarrow \rho^- \mu^+$, $\rho^- \rightarrow K^- \pi^+$ (157,000 signal events) corresponding to about 10.4 fb^{-1} of proton-antiproton collisions collected by the D0 detector in Run II at the Fermilab Tevatron Collider. A fit to the difference between the time integrated D_s mass distributions of the B_s/B_0 candidates yields the flavour-specific asymmetry of $[A_{CP}^1] = 0.71 \text{ (stat)} \pm 0.12 \text{ (syst)}\%$. At present the central value is blinded.		
693	Fermilab Tevatron		
700	Iain Beltram, Guemadi Bainsav, Ant Ross, Mark Williams		
710	D0		
773			
8564	http://inspirehep.net/record/1201475/files/m_time_integrated_as1_D0kfe6325_2012_04_20_Vers_1_0.pdf		
8564	http://inspirehep.net/record/1201475/files/m_time_integrated_as1_D0kfe6325_2012_05_01_Vers_1_1.pdf		
8564	http://inspirehep.net/record/1201475/files/m_time_integrated_as1_D0kfe6325_2012_05_20_Vers_2_0.pdf		
8564	http://inspirehep.net/record/1201475/files/m_time_integrated_as1_D0kfe6325_2012_05_23_Vers_2_1.pdf		
8564	http://inspirehep.net/record/1201475/files/m_time_integrated_as1_D0kfe6325_2012_06_01_Vers_2_2.pdf		
960	D0-INTERNAL-NOTE		
990C5	D0 Collaboration		
	V. M. Abazov et al.		
	1		
	arXiv:1005.2757		
	Phys Rev. D82 032001		

- Separate curator log-in
- Account with rights to upload, modify and remove all records of the collaboration
- Powerful and flexible editing tools provided by Inspire

Documentation - Outlook

- Expand the notes workflow (Harvest/ingest) to further material (plots, file, codes...) - any ideas?
- Liaise with other experiments (in progress)
- New project: preserve preliminary notes
 - Pilot with ZEUS, already approved by the collaboration
 - Full control of the collaboration to make some sub-set of these (or all) public or not (later in time).
 - Record interconnection of existing/published papers with their corresponding preliminary records (through collaboration)
 - Long-term task for data archivist.

Summary

- Unequivocally identify data
- Making data citable via DOIs for individual datasets
- Display and stats of data citation
- Enabling persistent connections within INSPIRE and to other databases...
- Preservation of public and internal notes successful and growing