

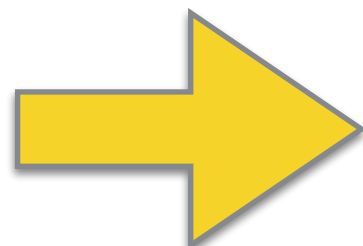
News from HEPData

Graeme Watt (IPPP Durham)

“(Re)interpreting the results of new
physics searches at the LHC”

CERN, 12th December 2016

<http://hepdata.cedar.ac.uk>



<https://hepdata.net>

 Follow @HepData

Introduction

- Short update of talk at kick-off meeting in June.
- Established site (hepdata.cedar.ac.uk) in Durham.
- Transition to new site (hepdata.net) almost complete.
- Hosted at CERN, but managed by me from Durham.
- Personnel reductions:
 - Mike Whalley retired (after 34 years!) end of 08/2016.
 - Eamonn Maguire left CERN end of 10/2016.

hepdata.net

Code: `https://github.com/HEPData`

- Many code fixes and improvements since June.
- Complete remigration of all data in October.
- Automatic migration of submissions via old site.
- Trial submissions invited from LHC experiments.
- Improvements to export via predictable URLs, e.g.

`https://hepdata.net/record/ins1422615?format=yaml&table=Table1`

where `format={csv,json,root,yaml,yoda}`.

Feedback from kick-off meeting

(Suggestions from Suchita Kulkarni implemented.)

 Watch Record

WATCH LIST

Search for new resonances in events with one lepton and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV with the ATLAS detector

Phys.Lett. B762 (2016) 334-352

Last updated: 2016-11-15T16:16:07



Ask a Question

Your question will be emailed to those involved with the submission.

Send question on this data...

 Ask Question

Links to analysis code

http://rivet.hepforge.org/list_of_analyses.json

- JSON file maps Inspire IDs to Rivet analysis names:

```
{ "422172" : [ "SLD_1996_S3398250" ],  
  ..., "1304688" : [ "ATLAS_2014_I1304688" ] }
```

- Badge appears in search results and link on record:

 Rivet Analysis Measurement of the $t\bar{t}$ production cross-section as a function of jet multiplicity and jet transverse momentum in 7 TeV proton-proton collisions with the ATLAS detector

 View Analyses ▾

 Rivet

- Easily extendable to other analysis frameworks (e.g. MadAnalysis5, CheckMATE, LHADA, CAP, ...).