

Introduction



HEPData advisory board meeting

IPPP, Durham, 15.10.2015



www.ippp.dur.ac.uk

Members of Advisory Board

- Representatives from 4 LHC experiments:
Bill Murray (ATLAS), Henning Flaecher (CMS), Ulrik Egede (LHCB), Enrico Scomparin (ALICE)
- Representatives from wide user community:
Kyle Cranmer (NYU), Matthew Wing (UCL)
- Representatives from Inspire
Sunje Dallmeier-Tiessen, Salvatore Mele
- IPPP people
Keith Ellis, Jeppe Andersen, Frank Krauss

Remit for external members

- channel requests and suggestions from experiments, wider user base and Inspire
- act as HEPData ambassadors – convince people to use and view

HEPData as persistent database for results of experimental particle physics beyond the lifetime of the experiment

Business today

- update on funding situation
- reminder of deliverables
- status of HEPData – user side
- update on integration with Inspire
- further plans
- feedback from user base



Funding HEPData

- STFC continues to fund HEPData with
 - one database manager (Graeme Watt)
 - one coding assistant (Joanne Bentham)
- unfortunately we did not secure STFC funding for Mike Whalley, to revamp the search system, but
 - we intend to keep him through other funding means
(on a level of 2 days/week)

Deliverables for HEPData (this year)

- integration with Inspire/Invenio (until end of 2015) ✓
 - definition of data model (done) ✓
 - migration of data sets (under way, some glitches) ✓
 - re-implementation of submission system ✓
(last issues being ironed out)
 - versioning (last issues being ironed out) ✓
 - algorithms for cross-discovery and cross-display ☹️
(not yet tested in new framework)
- **See Graeme's talk for more details**

Deliverables for HEPData 2.0

- re-implementation of search system
 - some manual labour to be done (→ Mike Whalley)
- better methods to integrate supporting material
 - additional plots, correlation matrices, (analysis) software, etc.
- direct upload in ROOT format (first steps) 
- new process types: distribution in decays, particle interactions with matter 
- maintaining service → distribution of tasks