

HEPDATA usage in ATLAS

HEPDATA submissions are regulated rather decentralized in ATLAS, namely by the individual physics groups.

Did a survey among the conveners of the physics groups

Normal contact person in ATLAS for HEPDATA matters is actually Bill Murray (bill.murray@stfc.ac.uk)

What fraction of papers submit their data to HEPDATA?

HION: 21/27

STDM: 90% (at least since a year or two)

TOPQ: too small (~20%) even though we consider it useful

SUSY: 35/37

BPHY: 25%

EXOT: 50%

HIGG: 4/60

Do you (conveners) push for HEPDATA submission?

HION: yes

STDM: yes

TOPQ: now yes, except for single-number papers (e.g. top mass)

SUSY: yes

BPHY: yes, for differential cross section measurements, not for single-number papers

EXOT: yes

HIGG: for very selected results (differential cross sections)

When do you submit to HEPDATA?

HION: after publication in journal, 2-6 months after submission to arXiv

STDM: start preparing immediately after submission to arXiv, 2 weeks – 4 months

TOPQ: when paper accepted for publication

SUSY: with submission to arXiv, 2 weeks – 4 months

BPHY: prepare after submission to arXiv, submit after journal acceptance

EXOT: 1-2 months after submission to arXiv

HIGG: after publication

Do you keep track whether promised submissions actually take place?

all: yes

How often was submission planned, but it didn't happen?

HION: a few times

STDM: rarely

TOPQ: a few times

SUSY: very rarely

BPHY: never

EXOT: if not submitted, it typically wasn't planned from the start

Typical reason: analyzers have left ATLAS or the analysis team has dissolved.

What is your opinion about the user-friendliness of the submission interface?
(answers may mix old and new interfaces)

HION: Not very convenient, rigid, imposes work on submitters

STDM: Conversion takes work.

New interface better, but some quirks (“funny sequence to be obeyed”).

Graeme Watt very helpful

TOPQ: Reasonably smoothly

SUSY: Dedicated contact person within the group helps a lot

Slow

If current platform were maintained, would be happy to generate more feedback

BPHY: Previous text-based procedure time consuming, no experience with new interface

Mike Whalley very helpful

EXOT: Owe a lot to dedicated contact person within the group

No complaints from analysis teams

General: we find HEPDATA useful and CERN support important