

The PHENIX DAP update

- HEPData
- Website
- Zenodo

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HEPData

- Good progress, with 14 uploads since the activity was restarted, 42 total
- Thanks to Christine for the continued stewardship of data preparation
- Revised one submission to correct LaTeX errors in the abstract
 - A fairly smooth process, requires complete package re-upload
 - As advertised earlier, this results in a new version - the DOI will always point to the newest version (old ones still available). So there is v1, v2 etc.
- As a reminder, all of our new submissions are preserved and managed on GitHub so are available for development, inspection and corrections









Just a thought...

- We are in transition to a more consistent and thorough use of HEPData, pending some additional effort
 - Where are we with that?
- Text files are currently stored on the external legacy web server (still being re-commissioned)
 - Many links broken for unrelated reasons e.g. missing content
- Would it make sense to ask PPGs to use GitHub to store TXT files? This could make the transition smoother since we already handle HEPData submission packages on GitHub.
 - Even the legacy page could point to GitHub
- On a related topic, see next slide...

“Papers”

- Based on comments from Brant and the mail thread - the “papers” link been advertised many times on arXiv etc - we should not leave that broken.
- Created the “papers” page - it can be reached from “results overview” or directly as “papers.html”. See next slide for the screenshot.
- Note however that many links of the existing legacy “papers” page are broken (either 404 or “work in progress”) so the old page is not an ideal solution either
- Put in a link to HEPData and a disclaimer that we are working on migration
- Waiting for the HEPData decisions to be made
- Migration of the TXT and graphics files to GitHub (with links on the new site) can still be considered, it just takes time




<https://phenixcollaboration.github.io/web/papers.html>

 Collaboration  Experiment  Detectors  Software  Analysis  Results  Resources 

PHENIX Web services migration

The PHENIX Collaboration is currently undertaking an effort to update its Web services and consolidate the available information information resources, including those pertaining to its publications. As a result, the legacy pages are being migrated to the new platform (this website). Migration of the data component (e.g. the data tables) is also underway but is not currently complete.








PHENIX is working to upload publication-related data to the [HEPData](#) service at CERN and aims to eventually make all its data available in this manner, replacing the legacy text-based source. Collection of the PHENIX HEPData uploads is available as a [catalog on this web site](#) or directly on the [HEPData site](#).



The website: the new “Results” section

- Changes in the site layout i.e. a new specialized “Results” section similar to the original one
 - Contains references to HEPData and Inspire
 - There is no longer “Publications” item in the DAP “Resources” section, it’s relabeled and indeed contains general information (which is appropriate)
 - The physics publications list is now effectively a list of Inspire references in the “Results”
- Similar to the legacy page, added the “Select Conference Presentations” subsection to the “Results”, backed by Zenodo uploads of slides and posters
 - See next slide for a screenshot
 - Helps to to make the section more complete
 - Will do more of that as time permits
- Should we move theses to “Results”?
 - Should we also just use a Zenodo filter as opposed to listing theses on the web page?

Select conference presentations

 Experiment  Detectors  Software  Analysis  Results  Resources 

Select conference presentations

The 36th Winter Workshop on Nuclear Dynamics

- DOI [10.5281/zenodo.4031755](https://doi.org/10.5281/zenodo.4031755) High p_T identified hadrons in large and small systems measured in PHENIX (Balazs Ujvari)
- DOI [10.5281/zenodo.4012723](https://doi.org/10.5281/zenodo.4012723) Droplets of quark gluon plasma: PHENIX results on small systems at RHIC (Ron Belmont)
- DOI [10.5281/zenodo.4012730](https://doi.org/10.5281/zenodo.4012730) Direct photon production and scaling properties in large and small system collisions (Vladimir Khachatryan)
- DOI [10.5281/zenodo.4019518](https://doi.org/10.5281/zenodo.4019518) PHENIX Results on J/ψ Polarization in p+p Collisions (Alexandre Lebedev)
- DOI [10.5281/zenodo.4019056](https://doi.org/10.5281/zenodo.4019056) PHENIX Results on J/ψ Production in p+Al, p+Au and $^3\text{He}+\text{Au}$ Collisions (Anthony Frawley)
- DOI [10.5281/zenodo.4012735](https://doi.org/10.5281/zenodo.4012735) Femtoscopy with Levy Sources in Au+Au Collisions (Máté Csanád)

[Conference Website](#)

Quark Matter 2019

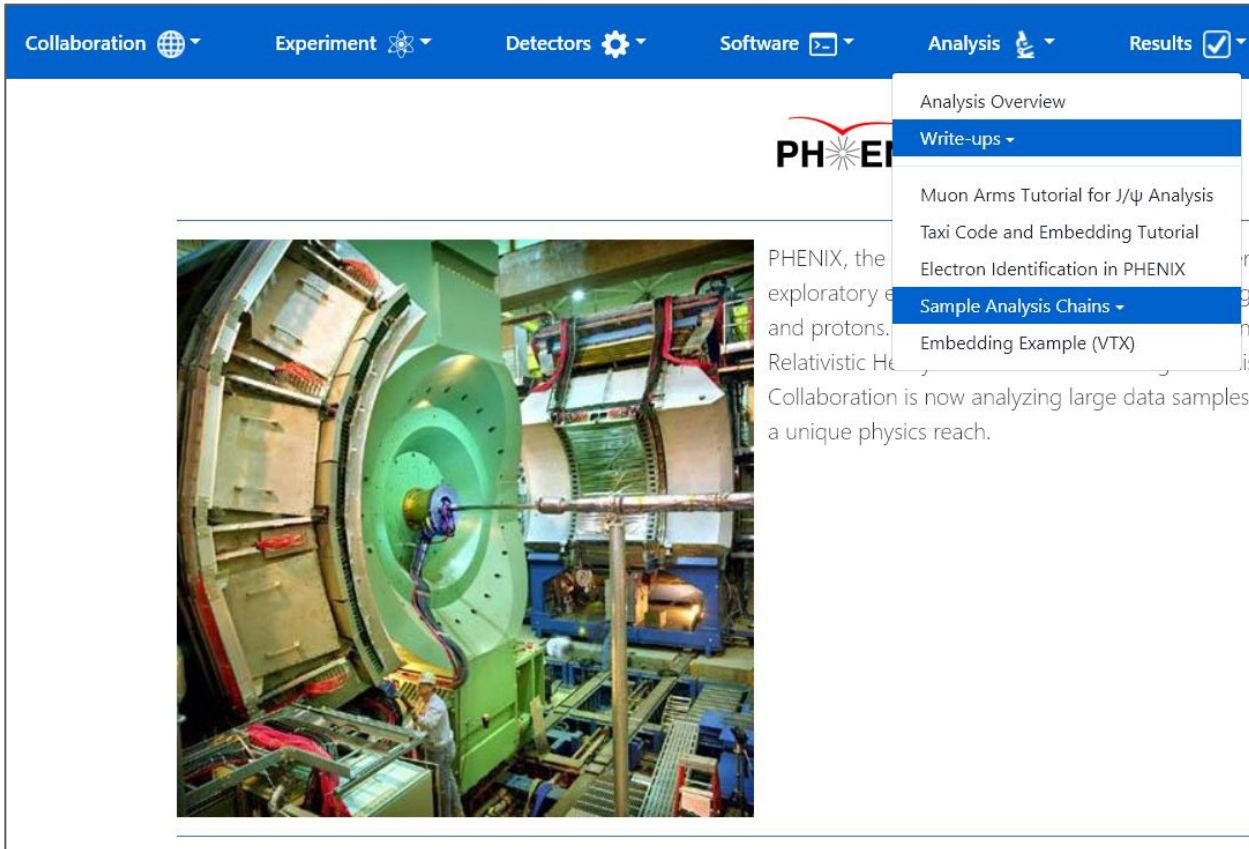
- DOI [10.5281/zenodo.4031870](https://doi.org/10.5281/zenodo.4031870) Quark flavor dependence of particle production and flow in nucleus-nucleus collisions measured by PHENIX (Takahito Todoroki)
- DOI [10.5281/zenodo.4031789](https://doi.org/10.5281/zenodo.4031789) π^0 Azimuthal Anisotropy in Central d+Au Collisions at 200GeV with PHENIX at RHIC (Axel Drees)
- DOI [10.5281/zenodo.4031761](https://doi.org/10.5281/zenodo.4031761) Nuclear dependence of transverse single-spin asymmetry of charged hadrons in polarized p+p, p+Al and p+Au collisions in PHENIX (Jeongsu Bok)
- DOI [10.5281/zenodo.4019942](https://doi.org/10.5281/zenodo.4019942) PHENIX measurements of Bottom and Charm in A+A collisions (Takashi Hachiya)
- DOI [10.5281/zenodo.4019938](https://doi.org/10.5281/zenodo.4019938) Thermal photon production in Au+Au collisions (Wenqing Fan)

[Conference Website](#)

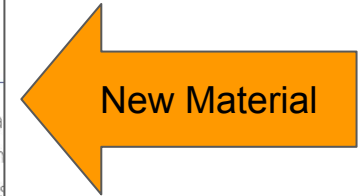
Conference presentations workflow

- It is trivial to replace the existing workflow of adding conference slides to the legacy site with uploads to Zenodo and indexing on the new website
- Advantage: search capability both on the site and also on Zenodo, something we currently don't have
- Easy to do, saves the maintenance effort
 - The users would upload to Zenodo and tag the material with keywords
- Should we make the switch?

The website: additions to the “Analysis” section



The screenshot shows the PHENIX website's navigation bar with the following items: Collaboration, Experiment, Detectors, Software, Analysis, and Results. The Analysis menu is open, displaying a list of links: Analysis Overview, Write-ups, Muon Arms Tutorial for J/ψ Analysis, Taxi Code and Embedding Tutorial, Electron Identification in PHENIX, Sample Analysis Chains, and Embedding Example (VTX). The 'Sample Analysis Chains' link is highlighted. Below the navigation bar, there is a large image of the PHENIX detector and a text block that reads: "PHENIX, the exploratory e and protons. Relativistic H Collaboration is now analyzing large data samples of a unique physics reach."



Document hosting

- In retrospect, it was a very good decision to emphasize the use of Zenodo for document storage as opposed to hosting locally, which is also possible
- Every document appears to be of a modest size, but we already have ~70 of those and another 100+ will follow, making it hard to cope with on GitHub

Summary

- Steady progress with Zenodo, HEPData and the website
 - 67 documents on Zenodo, 41 on HEPData
 - Updated the layout of the site
 - Added valuable write-ups to the Analysis section
- As always, we can really benefit from a wider community involvement even in simpler tasks like conference material management
 - Upload talks to Zenodo, tag with keywords
 - Same for theses
- HEPData both past and the future, what's the plan?