The PHENIX DAP update

- Website
- Open Data & Zenodo
- Kewords and Conferences
- HEPData/GitHub

Maxim Potekhin (BNL, NPPS) 10/29/2020

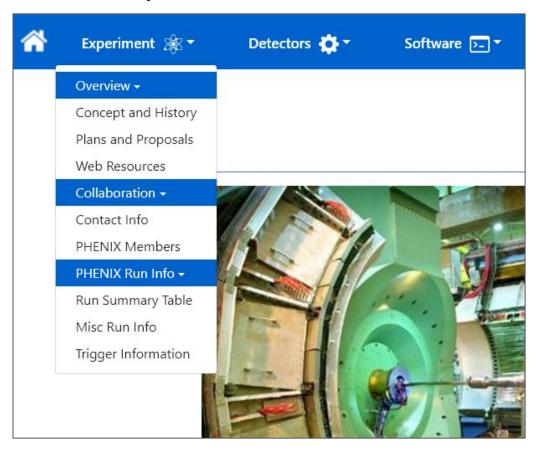
Status of the website

- Development instance: https://phenixcollaboration.github.io/web/
- Production instance updated every ~10 days: https://www.phenix.bnl.gov/
- Site survey results:
 - Redundant content e.g. overlapping sets of links on multiple pages
 - Pages with minimal content that can be refactored
 - Menu readability not optimal, needs to be improved
 - HEPData policy needs another update

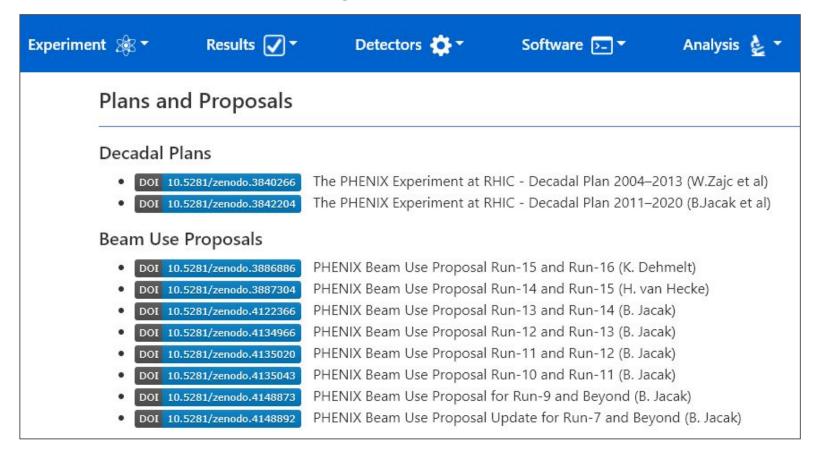
Website updates

- Menus updated for better readability, added category sections (bars)
- Major cleanup, consolidation of content
 - Removed the "documents" and "publications" page from "Resources" as redundant, ensured all links are placed on relevant pages elsewhere
 - Removed a couple of "overview" pages and consolidated content elsewhere
- Updated the HEPData policy page
- Created a separate page for archival of the long-term PHENIX planning documents e.g. decadal plans and BUPs which are very informative

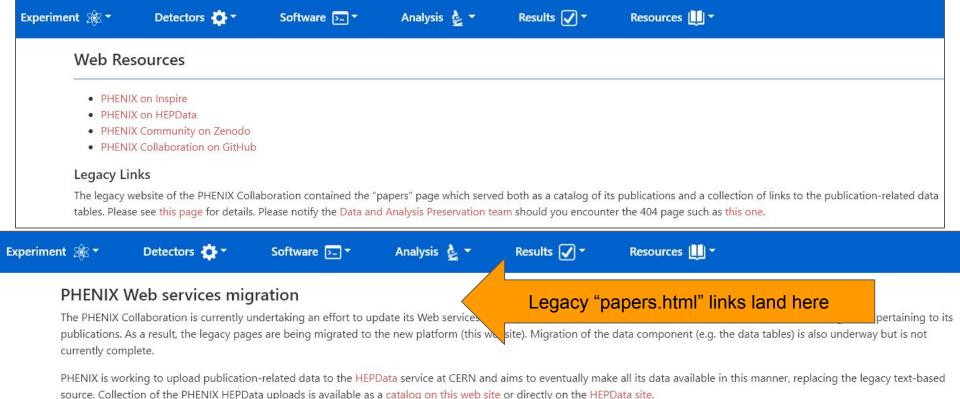
The updated "experiment" menu - more content



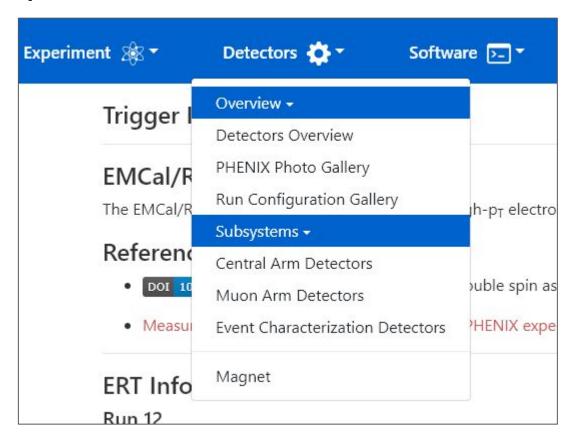
The decadal/BUP page



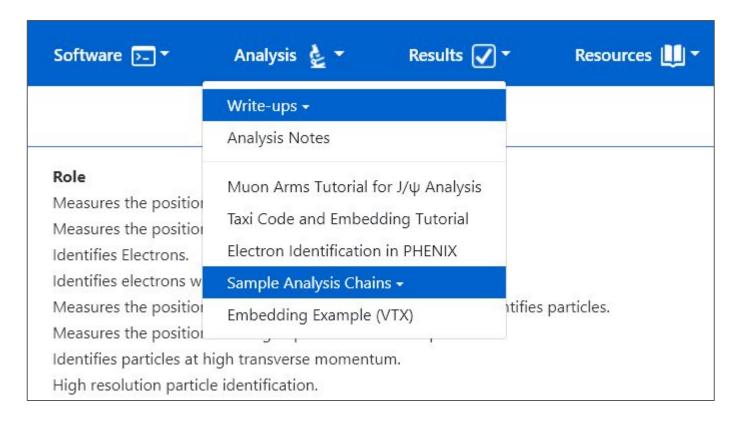
The "Web Resources" and papers.html



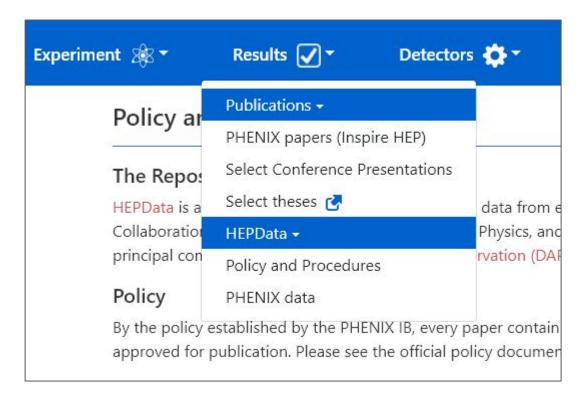
The updated "detectors" menu



The updated "analysis" menu



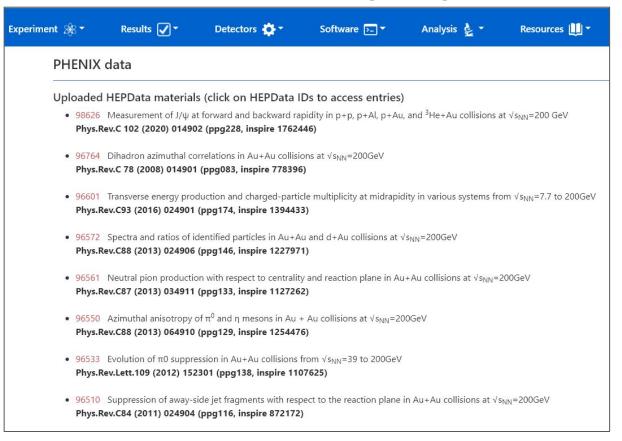
The updated "results" - waiting to add Open Data



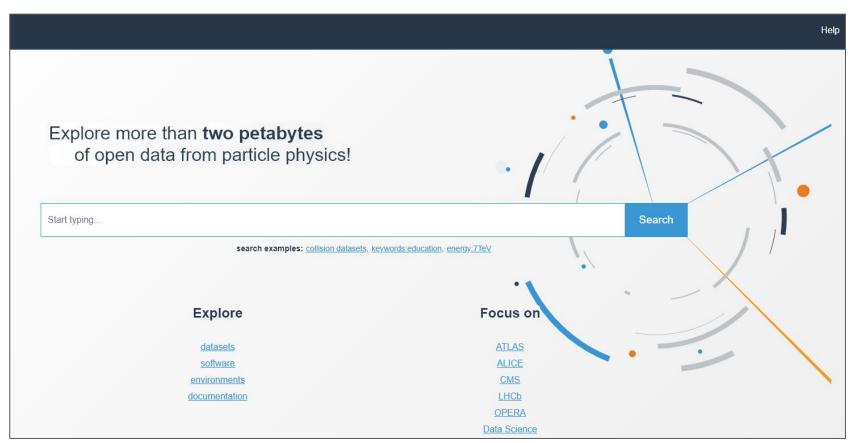
Conference presentations (links to Zenodo)

nent 🎉 ▼	Detectors 🌣 🕆	Software □ ▼	Analysis 🎍 🕶	Results 🗸 🕶	Resources 📗
Select Co	onference Presen	tations			
2020					
The 36th Winter Workshop on Nuclear Dynamics			PHENIX Presentations	Website	
Santa Fe Jets and Heavy Flavor Workshop 2020			PHENIX Presentations	Website	
2019					
Quark Matter 2019			PHENIX Presentations	Website	
Zimányi School 2019			PHENIX Presentations	Website	
DNP Fall 2019 Meeting			PHENIX Presentations	Website	
International Symposium on Multiparticle Dynamics 2019			PHENIX Presentations	Website	
2018					
XIII Workshop on Particle Correlations and Femtoscopy			PHENIX Presentations	Website	
Hard Probes 2018			PHENIX Presentations	Website	

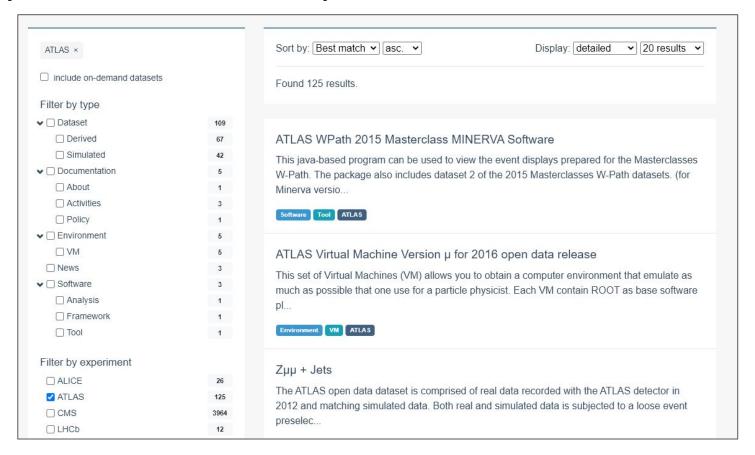
The improved HEPData listing page



Open Data: http://opendata.cern.ch/



Open Data: an example of content



Open Data vs Zenodo

- Zenodo can be used to host any sort of digital data so by definition it's generic
- We started considering the Open Data Portal for placement of analysis-related data files after Gabor provided a writeup and real Ntuples for an analysis tutorial
- While we can use Zenodo (the generic system) to host such materials, the Open
 Data is designed specifically for this kind of data and has many useful features e.g.
 - Dedicated web pages for the analyses descriptions
 - Many production and analysis-specific keywords and predefined categories
 - Integrated hosting of software examples
 - VMs
- Could be the ideal place to put our analysis descriptions based on actual data (with the data and software included)

Open Data: PHENIX prospects

- Originally the system was developed exclusively for the LHC experiments, with OPERA being the only exception (i.e. we can't just start using it like we did with Zenodo)
- It's a great tool, great practice and good PR
- An inquiry placed with the Open Data administration regarding PHENIX joining the portal was favorably received and provided input for their budget request
- Work in progress, hope to finalize this in a week or two

Theses and other materials on Zenodo

- Stacyann continues to upload theses
- The list of keywords has been updated
- Please review latest uploads and comment on keywords
- Need to find a good balance between complex phrases and simple keywords, what works best here?
- Let's stick with lowercase everywhere
 - Can the recent uploads be corrected for this?
- We have 100+ entries on Zenodo by now, their usefulness depends on proper indexing i.e. keywords - help needed.
 - Please review/add/suggest/correct keywords
 - The official list is on GitHub and can be version controlled as usual provided it it is in sync with the Zenodo contents
 - https://phenixcollaboration.github.io/web/resources/keywords.html

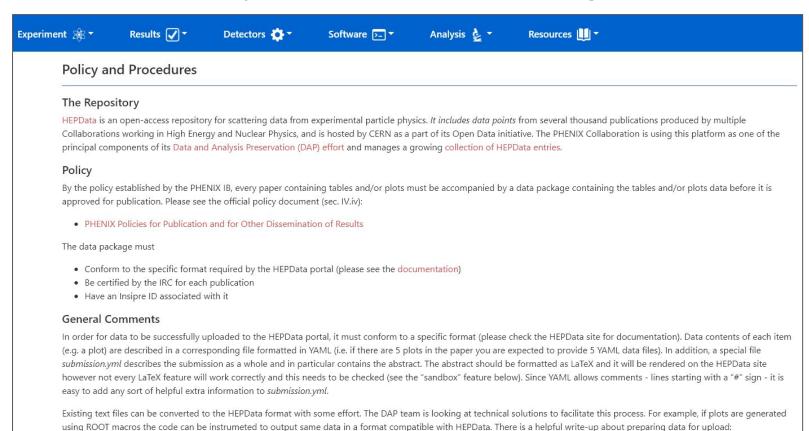
Conference materials

- Can someone take over the upload of the conference materials?
- Upload, tag with keywords
- Let me know the conference name etc
- I'll make sure it shows up on the web page

Redux of a HEPData issue in the previous meetings

- 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
- A predefined folder structure will make this transparent (e.g. ppg0123)

HEPData: policy and procedures page updated



HEPData: other work items

- The HEPData policy page further updated
- Did a thorough exercise with PPG228 many thanks to Krista
- We have tested the data checking/approval workflow rather extensively and in a realistic setting for the first time (i.e. the reviewer is in the working group and there is an iterative loop with GitHub for version control).
- We are making use of YAML/HEPData validation tools and will share experience with future submitters.
- Please review the page, and we'll announce it soon
- Is anyone keeping track of what recent PPG items need to address the HEPData aspect? Plenty of e-mail threads and updates lately. Need to start preparing HEPData packages before time pressure develops.

Summary

- Progress with many aspects of the website
- Steady uploads to Zenodo including BUPs and theses
- The CERN Open Data portal access is being negotiated and we are optimistic it will work for us
- Tested the newly created HEPData procedures while uploading and validating ppg228 - should we advertise this to the Collaboration?
- There is a recent crop of publications in the pipeline which should be HEPDatified