

The PHENIX DAP update

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Overview

- HEPData:
 - Thanks to Christine for material preparation
 - Ongoing submission of material previously assembled in the “documentation” repo on GitHub
 - The process is fairly straightforward, tests are possible in the “sandbox”
 - Added a catalog of the PHENIX HEPData entries to the DAP website
- The DAP website:
 - Bug fixes + additional utility code + cleanup
 - Content additions and management (refactoring+cleanup)
 - Working on the components of the Analysis section
 - “Help needed” page added, with a catalog of work items
 - Gabor’s material is in the pipeline
 - Thanks to everyone for recent additions
- A note on GitHub storage policies

The HEPData submission process

DOI

Comments to the submitter, approval

The review pipeline

Search HEPData

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Adare, A. et al.

Last updated on 2020-08-03 18:04

Accessed 4 times

Cite

JSON

The PHENIX collaboration

Phys.Rev. C80 (2009) 024908, 2009.

https://doi.org/10.11782/hepdata.95790

Journal

INSPIRE

Resources

Abstract (data abstract)

BNL-RHIC. We report the observation at the Relativistic Heavy Ion Collider (RHIC) of suppression of back-to-back correlations in the direct photon-jet channel in Au+Au relative top+pcollisions. Two-particle correlations of direct photon triggers with associated hadrons are obtained by statistical subtraction of the decay photon-hadron (y-h) background. The initial momentum of the away-side parton is tightly constrained, because the parton-photon pair exchange balance in momentum at leading order in perturbative quantum chromodynamics (pQCD), making such correlations a powerful probe of the in-medium parton energy loss. The away-side nuclear suppression factor, R_{AA} , in central Au+Au collisions, is 0.32 ± 0.12 stat ± 0.09 syst for hadrons of $3 < p_T < 5$ in coincidence with photons of $5 < p_T < 15$ GeV/c. The suppression is comparable to that observed for high- p_T single hadrons and dihadrons. The direct photon associated yields in ppcollisions scale approximately with the momentum balance, $2E_{ph}/p_T$, as expected for a measure of the away-side parton fragmentation function. We compare to Au+Au collisions for

Filter 24 data tables

passed review

Head Region Yields 0-20% Centrality 7-9

10.17182/hepdata.95790.v1/12

direct γ -hadron yields per trigger p+p and Au+Au at $12 < p_T^h < 15$ GeV/c.

passed review

Head Region Yields 0-20% Centrality 9-12

10.17182/hepdata.95790.v1/13

direct γ -hadron yields per trigger p+p and Au+Au at $9 < p_T^h < 12$ GeV/c.

passed review

Head Region Yields 0-20% Centrality 12-15

10.17182/hepdata.95790.v1/14

direct γ -hadron yields per trigger p+p and Au+Au at $12 < p_T^h < 15$ GeV/c.

to be reviewed

Head Region Yields 20-40% Centrality 5-7

10.17182/hepdata.95790.v1/15

direct γ -hadron yields per trigger p+p and Au+Au at $5 < p_T^h < 7$ GeV/c.

to be reviewed

Head Region Yields 20-40% Centrality 7-9

10.17182/hepdata.95790.v1/16

direct γ -hadron yields per trigger p+p and Au+Au at $7 < p_T^h < 9$ GeV/c.

to be reviewed

cmenergies

200.0

direct γ -hadron yields per trigger p+p and Au+Au at $12 < p_T^h < 15$ GeV/c.

p_T^h [GeV/c]	p+p Head Region Yields: $12 < p_T^h < 15$ GeV/c	Au+Au, Centrality 0-20%, He
p_T^h [GeV/c]	dN/p_T^h [GeV/c] ⁻¹	
1 - 2	$1.20 \pm 0.01 \pm 0.02$ stat $+0.004-0.002$ syst	$5.31 \pm 0.01 \pm 0.02$ stat $+0.004-0.002$ syst
2 - 3	$1.04 \pm 0.01 \pm 0.02$ stat $+0.004-0.002$ syst	$-6.13 \pm 0.03 \pm 0.02$ stat $+0.004-0.002$ syst
3 - 5	$4.26 \pm 0.02 \pm 0.02$ stat $+0.004-0.002$ syst	$3.25 \pm 0.02 \pm 0.02$ stat $+0.004-0.002$ syst

Sum errors

Log Scale (X)

0.0

0.1

0.2

0.3

0.4

0.5

0.6

0.7

0.8

1.0

1.5

2.0

2.5

3.0

3.5

4.0

4.5

5.0

p_T^h [GeV/c]

dN/p_T^h [GeV/c]⁻¹

Deselect variables or hide different error bars by clicking on them.

Variables

dN/p_T^h [GeV/c]⁻¹

p_T^h [GeV/c] p+p Head Region Yields: $12 < p_T^h < 15$ GeV/c

Summed error

dN/p_T^h [GeV/c]⁻¹

p_T^h [GeV/c] Au+Au, Centrality 0-20%, Head Region Yields: $12 < p_T^h < 15$ GeV/c

Summed error

3

HEPData: an example of a finalized submission

Photon-Hadron Jet Correlations in p+p and Au+Au Collisions at $\sqrt{s} = 200$ -GeV

The PHENIX collaboration Adare, A. ; Afanasiev, S. ; Aidala, C. ; *et al.*

Phys.Rev. C80 (2009) 024908, 2009.

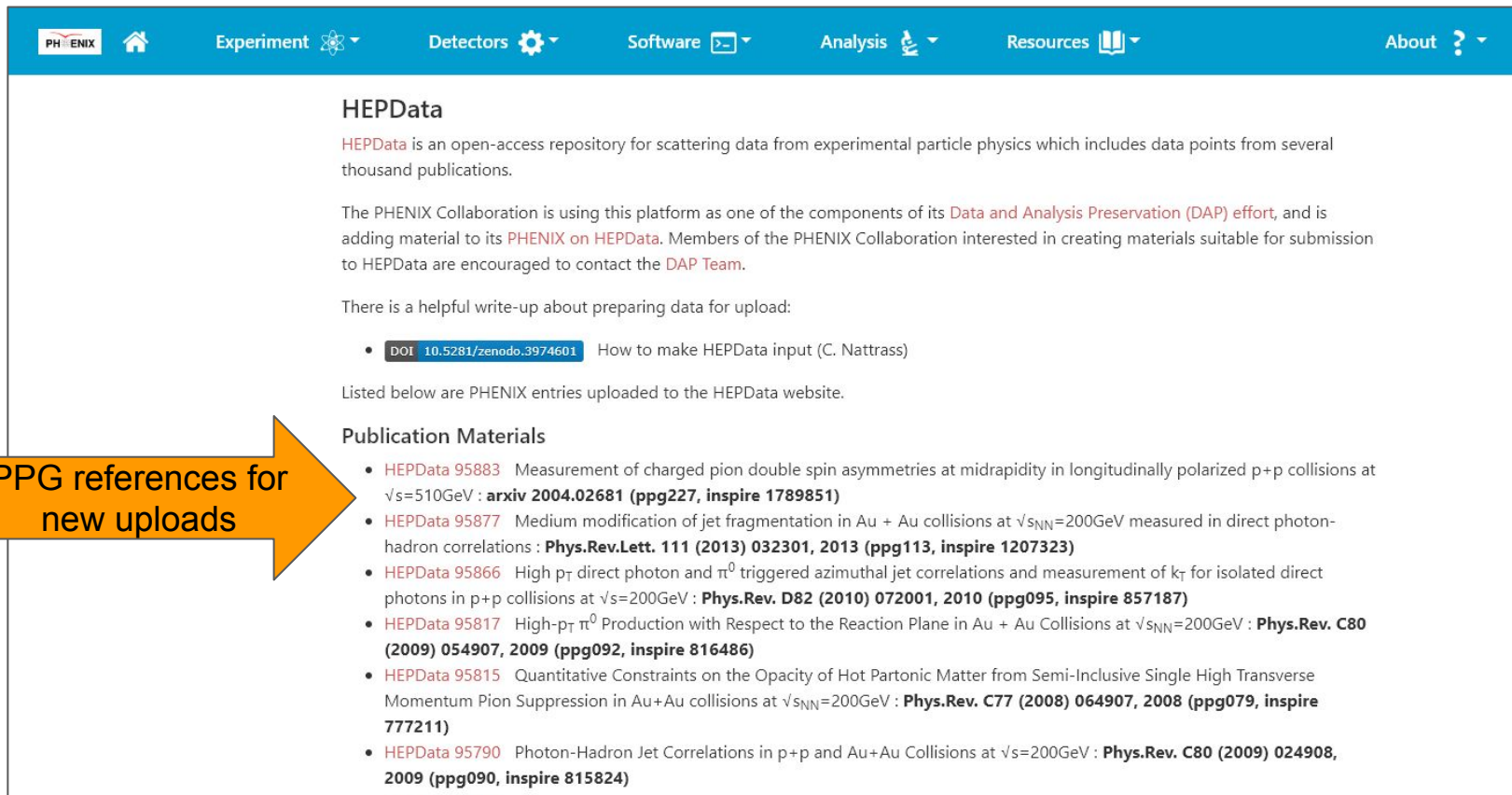
 Inspire Record 815824  DOI 10.17182/hepdata.95790

We report the observation at the Relativistic Heavy Ion Collider (RHIC) of suppression of back-to-back correlations in the direct photon subtraction of the decay photon-hadron background. The initial momentum of the away-side parton is tightly constrained, because the

 24 data tables match query

Head Region	direct
Yields 0-20%	γ -hadron yields per trigger p+p and Au+Au at 5<
Centrality 5-7	~
Head Region	direct
Yields 0-20%	γ -hadron yields per trigger p+p and Au+Au at 7<
Centrality 7-9	~
Head Region	direct
Yields 0-20%	γ -hadron yields per trigger p+p and Au+Au at 9<
Centrality 9-12	~
More...	

The HEPData catalog on the DAP website



HEPData

HEPData is an open-access repository for scattering data from experimental particle physics which includes data points from several thousand publications.

The PHENIX Collaboration is using this platform as one of the components of its **Data and Analysis Preservation (DAP) effort**, and is adding material to its **PHENIX on HEPData**. Members of the PHENIX Collaboration interested in creating materials suitable for submission to HEPData are encouraged to contact the **DAP Team**.

There is a helpful write-up about preparing data for upload:

- [DOI 10.5281/zenodo.3974601](https://doi.org/10.5281/zenodo.3974601) How to make HEPData input (C. Nattrass)

Listed below are PHENIX entries uploaded to the HEPData website.

Publication Materials

- **HEPData 95883** Measurement of charged pion double spin asymmetries at midrapidity in longitudinally polarized p+p collisions at $\sqrt{s}=510\text{GeV}$: **arxiv 2004.02681 (ppg227, inspire 1789851)**
- **HEPData 95877** Medium modification of jet fragmentation in Au + Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$ measured in direct photon-hadron correlations : **Phys.Rev.Lett. 111 (2013) 032301, 2013 (ppg113, inspire 1207323)**
- **HEPData 95866** High p_T direct photon and π^0 triggered azimuthal jet correlations and measurement of k_T for isolated direct photons in p+p collisions at $\sqrt{s}=200\text{GeV}$: **Phys.Rev. D82 (2010) 072001, 2010 (ppg095, inspire 857187)**
- **HEPData 95817** High- p_T π^0 Production with Respect to the Reaction Plane in Au + Au Collisions at $\sqrt{s_{NN}}=200\text{GeV}$: **Phys.Rev. C80 (2009) 054907, 2009 (ppg092, inspire 816486)**
- **HEPData 95815** Quantitative Constraints on the Opacity of Hot Partonic Matter from Semi-Inclusive Single High Transverse Momentum Pion Suppression in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$: **Phys.Rev. C77 (2008) 064907, 2008 (ppg079, inspire 777211)**
- **HEPData 95790** Photon-Hadron Jet Correlations in p+p and Au+Au Collisions at $\sqrt{s}=200\text{GeV}$: **Phys.Rev. C80 (2009) 024908, 2009 (ppg090, inspire 815824)**

PPG references for
new uploads

The DAP site: development + cleanup

- A few bugs cropped up during the development, fixed these
- Switched to the new interfaces throughout the site
- Removed extraneous pages with little material on them
- Fixed server error 429 coming from Zenodo (now caching badges)

Zenodo DOI badges

Documents

General Overviews

- DOI [10.5281/zenodo.3840266](https://doi.org/10.5281/zenodo.3840266) The PHENIX Experiment at RHIC - Decadal Plan 2004–2013 (W.Zajc et al)
- DOI [10.5281/zenodo.3842204](https://doi.org/10.5281/zenodo.3842204) The PHENIX Experiment at RHIC - Decadal Plan 2011–2020 (B.Jacak et al)
- DOI [10.5281/zenodo.3885936](https://doi.org/10.5281/zenodo.3885936) The PHENIX detector (Klaus Dehmelt)

Beam Use Proposals

- DOI [10.5281/zenodo.3886886](https://doi.org/10.5281/zenodo.3886886) PHENIX Beam Use Proposal Run-15 and Run-16 (K. Dehmelt)
- DOI [10.5281/zenodo.3887304](https://doi.org/10.5281/zenodo.3887304) PHENIX Beam Use Proposal Run-14 and Run-15 (H. van Hecke)







Detector Subsystems (Writeups)

- DOI [10.5281/zenodo.3833207](https://doi.org/10.5281/zenodo.3833207) PHENIX Time-of-flight detector West (TOFW) – Detector Basics (G.David)
- DOI [10.5281/zenodo.3833205](https://doi.org/10.5281/zenodo.3833205) PHENIX Electromagnetic Calorimeter (EMCal) – Detector Basics (G.David)
- DOI [10.5281/zenodo.3893970](https://doi.org/10.5281/zenodo.3893970) PHENIX ZDC/SMD - detector basics (G.David)
- DOI [10.5281/zenodo.3893972](https://doi.org/10.5281/zenodo.3893972) Explanation of PHENIX triggers (A.Bazilevsky)

The DAP site: refactoring

- Continued to normalize data i.e. reference only central registries as opposed to the front matter (YAML) or content on pages, removed obsolete macros
 - e.g. moved all of the run data to runs.yml from the Front Matter YAML individual pages, removed hard links to images in favor of central registry
 - Removed old code, added a few internal navigation macros
- The keywords dictionary and page
 - The keywords page was becoming quite long and confusing
 - Created category-specific tables (detector, physics, runs etc)
 - Added many relevant keywords for physics, detector etc (including "J/Ψ")
- Merged the “DAP” and “site” pages to make space for “Help needed”
 - Ron’s suggestion, hopefully will make it easier to solicit help

The keywords page updated

[Experiment](#)  [Detectors](#)  [Software](#)  [Analysis](#)  [Resources](#)  [About](#) 

column acts as a query link to *Zenodo*, for that specific keyword. Pages containing results of queries will open in a new tab/window.

General

Keyword	Description
decadal plan	Two documents describing the proposed PHENIX research program for two different time periods
phenix	Pioneering High Energy Nuclear Interaction Experiment (PHENIX)
rhic	Relativistic Heavy Ion Collider (RHIC)

Physics

Keyword	Description
direct photon	Direct photons produced in nuclear collisions
heavy ion	Term applied to relativistic nuclei
helicity	Helicity
jet quenching	jet quenching
jet	A jet-like feature of a high-energy nuclear collision
polarimetry	Polarimetry
qcd	Quantum Chromodynamics
qgp	Quark Gluon Plasma
quark gluon plasma	Quark Gluon Plasma
spin physics	Spin Physics
spin	Spin
upc	Ultra-Peripheral Collisions






Detector

Keyword	Description
bbc	Beam-Beam Counter
electromagnetic calorimeter	Electromagnetic Calorimeter
emcal	Electromagnetic Calorimeter
event characterization	Event Characterization

Papers and theses

- As agreed a while ago, removed PDFs of the **NIM papers** from the public area of the site - replaced with proper DOIs
- Migrated to our separate “documentation” repository as encrypted files
 - The standard Linux “mdecrypt” used
 - The “usual” DAP password (ask me if you forgot)
 - <https://github.com/PhenixCollaboration/documentation/tree/master/assets/papers>
- Removed links to PDFs hosted on the legacy phenix.bnl.gov site (theses etc)
- Continued uploading theses (as far as is possible with the current server status) and adding relevant links to pages
 - Total of 15 uploaded
 - e.g. ZDC, HBD etc
 - AFAIK there is no dedicated thesis folder on the legacy server which makes this hard

NIM papers - migration (PDFs removed)

[Experiment](#)  [Detectors](#)  [Software](#)  [Analysis](#)  [Resources](#) 

Publications

General Overviews

- [PHENIX Detector Overview](#) (NIM A 499, 2003, doi.org/10.1016/S0168-9002(02)01950-2)

Detector Subsystems

- [PHENIX Calorimeter](#) (NIM A 499, 2003, doi.org/10.1016/S0168-9002(02)01954-X)
- [PHENIX Inner Detectors](#) (NIM A 499, 2003, doi.org/10.1016/S0168-9002(02)01956-3)
- [PHENIX Magnet System](#) (NIM A 499, 2003, doi.org/10.1016/S0168-9002(02)01951-4)
- [PHENIX Muon Arms](#) (NIM A 499, 2003, doi.org/10.1016/S0168-9002(02)01955-1)
- [PHENIX Central Arm Tracking Detectors](#) (NIM A 499, 2003, doi.org/10.1016/S0168-9002(02)01952-6)
- [PHENIX Central Arm Particle ID Detectors](#) (NIM A 499, 2003, doi.org/10.1016/S0168-9002(02)01953-8)
- [A reaction plane detector for PHENIX at RHIC](#) (NIM A 636, 2011, doi.org/10.1016/j.nima.2011.01.034)
- [Design, construction, operation and performance of a Hadron Blind Detector for the PHENIX experiment](#) (NIM A 646, 2011, doi.org/10.1016/j.nima.2011.04.015)
- [The PHENIX Forward Silicon Vertex Detector](#) (NIM A 755, 2014, dx.doi.org/10.1016/j.nima.2014.04.017)
- [The RHIC zero degree calorimeters](#) (NIM A 470, 2001, doi.org/10.1016/S0168-9002(01)00627-1)

Data Reconstruction and Analysis

- [Event Reconstruction in the PHENIX Central Arm Spectrometers](#) (NIM A 482, 2002, doi.org/10.1016/S0168-9002(01)01512-1)






PHENIX Systems

- [PHENIX Online Systems](#) (NIM A 499, 2003, doi.org/10.1016/S0168-9002(02)01957-5)

Elsevier links

DOIs

The revamped HBD page

Experiment  Detectors  Software  Analysis  Resources 

Detector Design

The Hadron Blind Detector was a windowless Cherenkov detector with a 50cm long radiator operated with pure CF_4 , in a proximity focus configuration. For an introduction to GEM detectors please see

- [GEM: A new concept for electron amplification in gas detectors](#) (NIM A 386, 1997, doi.org/10.1016/S0168-9002(96)01172-2)

A triple GEM detector element avalanches the photoelectrons produced in a 350nm CsI photocathode, which is evaporated on the topmost Au plated GEM surface and produce a blob on the pad readout plane. The use of CF_4 as a radiator and detector gas in a windowless geometry results in a very broad bandwidth (from 6 to 11.5 eV) and a very large figure of merit ($N_0 \sim 800\text{cm}^{-1}$). A bias voltage is applied between the top GEM and the mesh. Depending on the direction of the bias field, charge produced by ionizing particles in the upper gap can either be collected by the GEM (FB = Forward Bias)(right panel), or by the mesh (RB = Reverse Bias)(left panel). In either configuration, photoelectrons produced on the photocathode are collected with good efficiency into the GEM due to the strong electric field near the holes. In the RB mode, only a very small amount of ionization charge produced very near the photocathode (within $\sim 150\mu\text{m}$) is collected by the GEM. The FB mode is therefore sensitive to hadrons and other charged particles, while the RB mode is essentially sensitive only to the Cherenkov light produced by electrons and hence the term "Hadron Blind". A comprehensive R&D program was carried out to demonstrate the concept validity including studies in the lab and also a beam test at KEK. The results are published in the two NIM papers.

The design and construction of the detector vessel as well as assembly and preliminary test of the GEM foils were carried out at the WIS whereas CsI evaporation, final assembly and test of detector modules were done at the Stony Brook University. The analog and digital electronics were developed and built by BNL Instrumentation and Columbia University.

HBD related Theses


- [DOI 10.5281/zenodo.3966485](#) Measurements of di-electron production in Au+Au collisions at $\sqrt{s_{NN}}=200\text{GeV}$ (Yosuke Watanabe)
- [DOI 10.5281/zenodo.3966477](#) ω - and ϕ -meson production in p+p and d+Au collisions at RHIC energies, using the PHENIX Detector (Deepali Sharma)
- [DOI 10.5281/zenodo.3887326](#) Low Momentum Direct Photons as a Probe of Heavy Ion Collisions (Richard Petti)
- [DOI 10.5281/zenodo.3839085](#) Φ meson production in p+p, d+Au and Au+Au collisions at RHIC using the PHENIX detector (Maxim Naglis)

Papers and Publications

- [DOI 10.5281/zenodo.3966470](#) Performance of PHENIX HBD in Au+Au central collisions (QM2011 poster) (Yosuke Watanabe)
- [Design, construction, operation and performance of a Hadron Blind Detector for the PHENIX experiment](#) (NIM A 646, 2011, doi.org/10.1016/j.nima.2011.01.005)

Links: all DOI

The DAP site content: lumi plots

- Resumed migration of the lumi content
 - Take plots from the old run pages
 - Add plot metadata to the gallery registry 
 - Not challenging but still time consuming (lots of plots)
- Addition of luminosity data with custom periods
 - Had to augment the structure of the run registry and some logic to account for multiple periods not mapped to official subruns (i.e. AuAu has two separate periods in run 16)
 - 6 individual periods
- Added plots for runs 09 through 16
 - Total of ~200 plots, size is not an issue

```
### ----- Run 16
# period 1
- path: /images/lumi/run16/1/lumi.gif
  tag: '200GeV Au+Au'
  title:
  run: run16
  gallery: main
  type: lumi

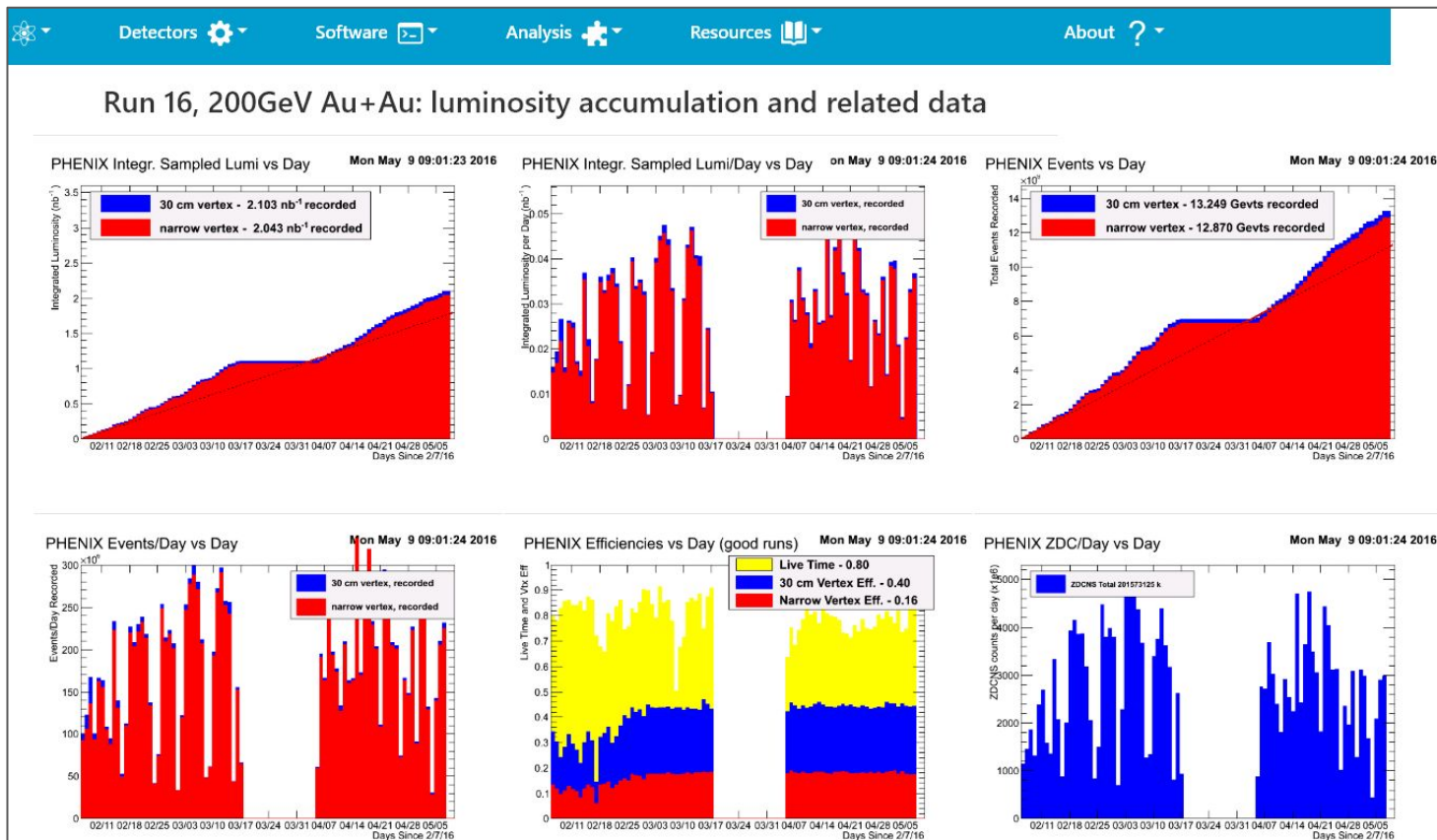
- path: /images/lumi/run16/1/lumi_day.gif
  tag: '200GeV Au+Au'
  title:
  run: run16
  gallery: main
  type: lumi

- path: /images/lumi/run16/1/events.gif
  tag: '200GeV Au+Au'
  title:
  run: run16
  gallery: main
  type: lumi

- path: /images/lumi/run16/1/events_day.gif
  tag: '200GeV Au+Au'
  title:
  run: run16
  gallery: main
  type: lumi

.....
```

Lumi section updates (sample)

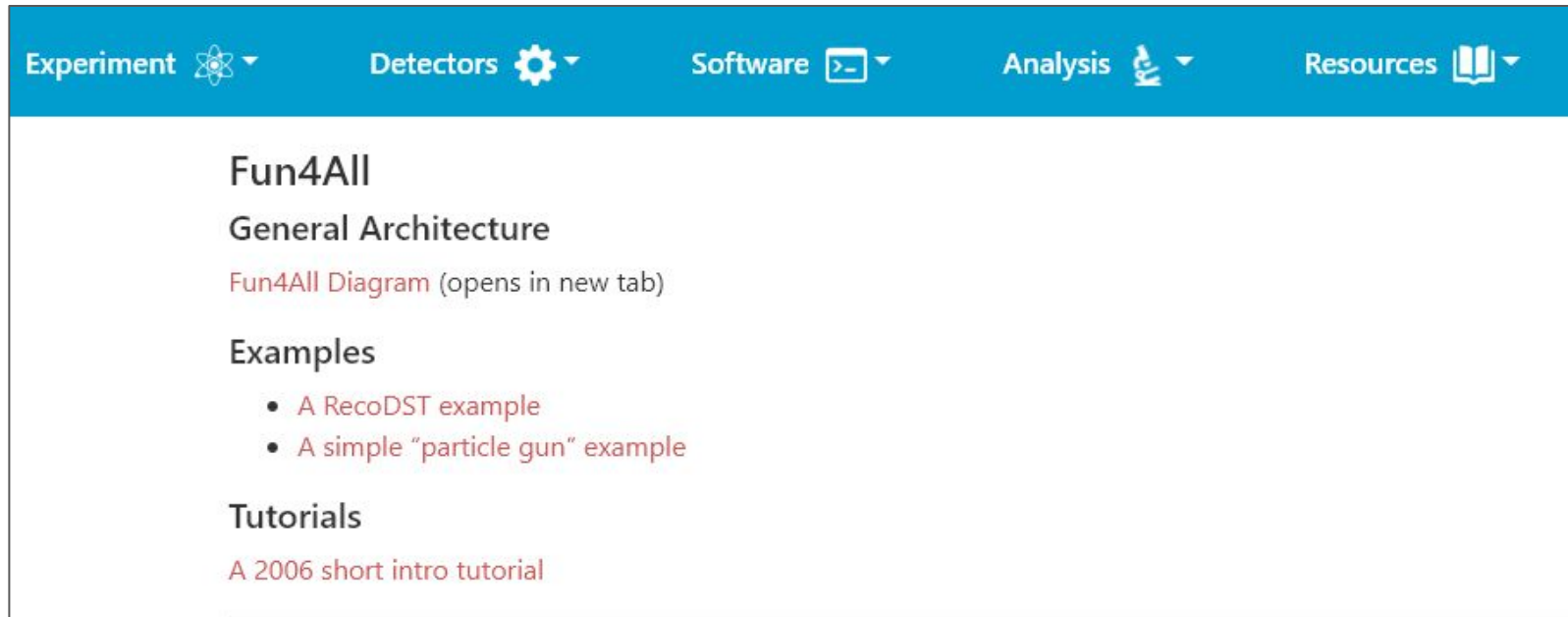


Luminosity Data etc






- Does it make sense to extract, index and preserve actual luminosity data currently in the database?
- Any other suggestions about what other plots or data need to be migrated from the old hosts to the DAP site?

The DAP site content: software section

- Added some material from the Wiki to the Overview
 - <https://phenixcollaboration.github.io/web/software/overview.html>
- Improved the Fun4All page and added a simplified particle generator example
 - <https://phenixcollaboration.github.io/web/software/fun4all.html>



The screenshot shows the top navigation bar of the DAP website with five main sections: Experiment (with a particle icon), Detectors (with a gear icon), Software (with a terminal icon), Analysis (with a microscope icon), and Resources (with a book icon). The 'Software' section is highlighted. Below the navigation bar, the 'Fun4All' page content is visible, featuring a title 'Fun4All', a sub-section 'General Architecture', a link 'Fun4All Diagram (opens in new tab)', a sub-section 'Examples' with two bullet points: 'A RecoDST example' and 'A simple "particle gun" example', and a sub-section 'Tutorials' with a link 'A 2006 short intro tutorial'.

Experiment  Detectors  Software  Analysis  Resources 

Fun4All

General Architecture

[Fun4All Diagram](#) (opens in new tab)

Examples

- [A RecoDST example](#)
- [A simple "particle gun" example](#)

Tutorials

[A 2006 short intro tutorial](#)

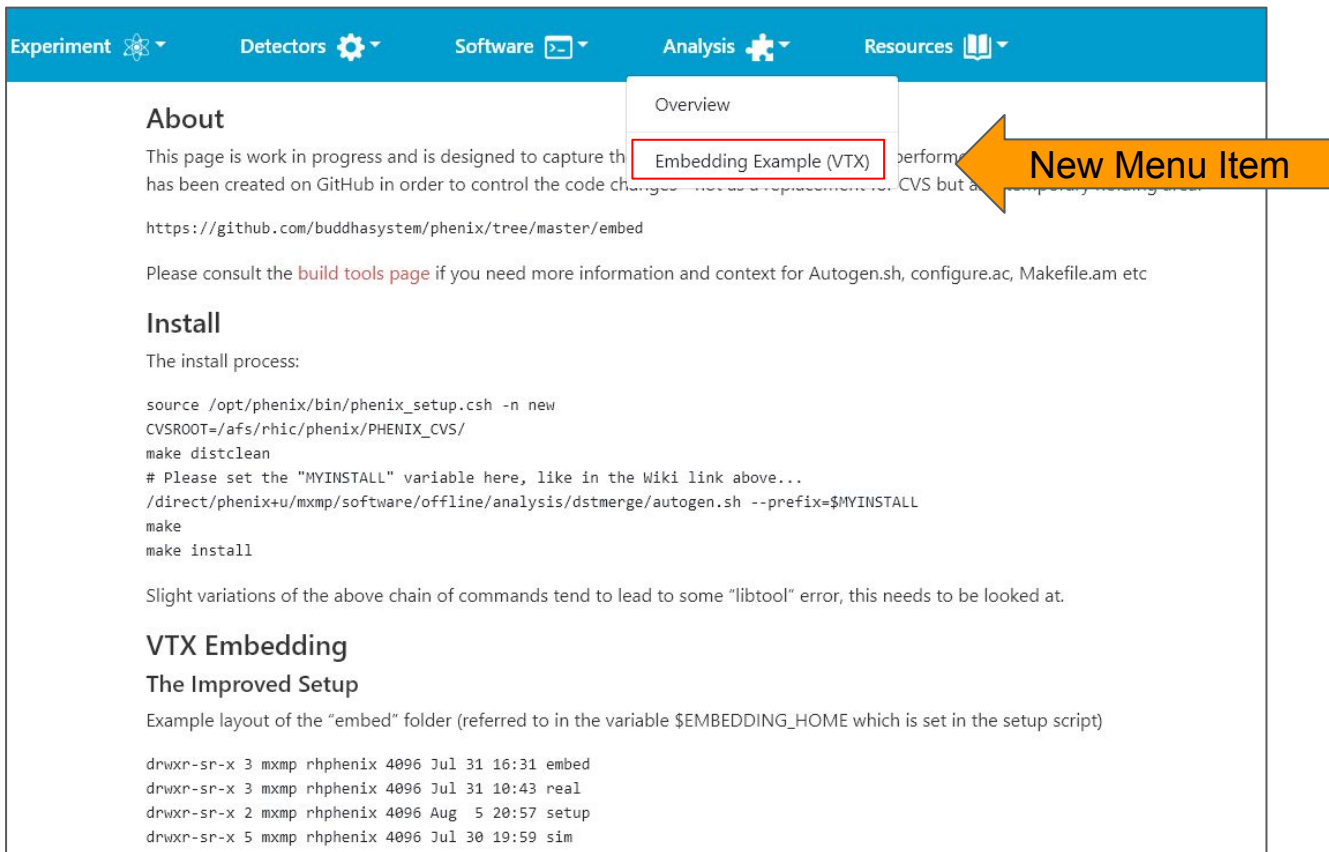
Particle generator example also available on GitHub

```
9 //
10 // A few additional comments/annotations were added.
11 //
12 //
13 void
14 phparticlegen_example(const int nevents = 10, int pid=11, const char *outputname = "phparticlegen_example.root")
15 {
16     gSystem->Load("libPythia6.so");
17     gSystem->Load("libfun4all.so"); // framework + reco modules
18     gSystem->Load("libpdbcalBase.so");
19     gSystem->Load("libPHPParticleGen.so");
20     gSystem->Load("libPHPythia.so");
21     gSystem->ListLibraries();
22
23     recoConsts *rc = recoConsts::instance(); // fun4all/PHOOL singleton class
24     rc->set_IntFlag("RUNNUMBER",0);
25
26     // Instantiate a Fun4All Server
27     Fun4AllServer *se = Fun4AllServer::instance();
28
29     // A custom generator can be added here
30     PHPParticleGen* ss = new PHPParticleGen();
31
32     // Can optionally set the seed, otherwise defaults to /dev/random
33     // ss->SetSeed(1999);
34
35     /*** Set Particle Parameters. Overrides config file.
36
37     // Particle ID
38     ss->GetGenerator()->SetParameter("pid", pid); // e+
39
40     // Momentum/Transverse Momentum/Energy
41     ss->GetGenerator()->SetParameter("momflag", TSingleParticleGenerator::FLAT_PT);
42     ss->GetGenerator()->SetParameter("pmin", 0.5);
43     ss->GetGenerator()->SetParameter("pmax", 10.);
44 }
```


The DAP site content: analysis

- In 2019 a survey of embedding procedures in two separate analyses was performed, and the notes were placed in the Wiki
- Now, started migration of the notes to the DAP site
 - Working to improve the code along the way - still finding extraneous dependencies
 - A “scratchpad” repo on GitHub to keep the snapshot and corrections to it
 - Embedding done by Takashi - the analysis seems like a good candidate to be refined and placed on the DAP site, also consider Takashi’s availability to consult
- Potential to create functioning tutorials
 - Created a “software” section in the **documentation** repo (not to be confused with the “web” repository where we keep the site), with “examples” section
 - Added a simple fun4all example - the “phparticlegen” macro used in some analyses
 - This is aligned with our previous discussions

The embedding note prototype on the site



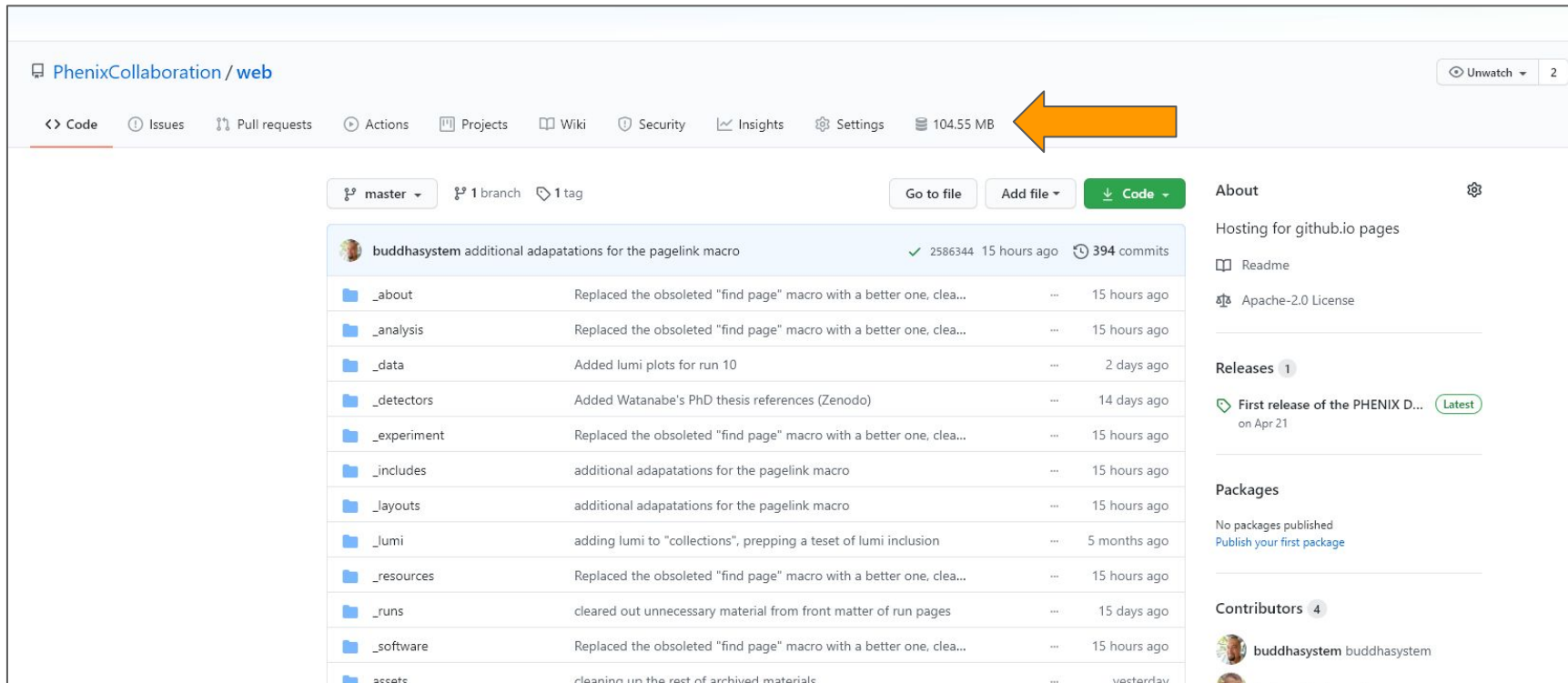
The screenshot shows a web application with a blue header bar containing navigation links: Experiment, Detectors, Software, Analysis, and Resources. A dropdown menu is open under the 'Analysis' link, showing 'Overview' and 'Embedding Example (VTX)'. An orange arrow points to the 'Embedding Example (VTX)' item with the text 'New Menu Item'. The main content area has a title 'About' and a paragraph stating the page is work in progress and designed to capture changes. It includes a GitHub link: <https://github.com/buddhasystem/phenix/tree/master/embed>. Below this is a section 'Install' with a paragraph 'The install process:' and a list of commands:

```
source /opt/phenix/bin/phenix_setup.csh -n new
CVSROOT=/afs/rhic/phenix/PHENIX_CVS/
make distclean
# Please set the "MYINSTALL" variable here, like in the Wiki link above...
/direct/phenix+u/mxmp/software/offline/analysis/dstmerge/autogen.sh --prefix=$MYINSTALL
make
make install
```

 A note follows: 'Slight variations of the above chain of commands tend to lead to some "libtool" error, this needs to be looked at.' The next section is 'VTX Embedding' with a subsection 'The Improved Setup'. It includes a paragraph: 'Example layout of the "embed" folder (referred to in the variable \$EMBEDDING_HOME which is set in the setup script)' and a list of directory listings:

```
drwxr-sr-x 3 mxmp rhphenix 4096 Jul 31 16:31 embed
drwxr-sr-x 3 mxmp rhphenix 4096 Jul 31 10:43 real
drwxr-sr-x 2 mxmp rhphenix 4096 Aug 5 20:57 setup
drwxr-sr-x 5 mxmp rhphenix 4096 Jul 30 19:59 sim
```

Size of the DAP website repo



PhenixCollaboration / web

Unwatch 2

<> Code Issues Pull requests Actions Projects Wiki Security Insights Settings 104.55 MB

master 1 branch 1 tag Go to file Add file Code

buddhasystem additional adaptations for the pagelink macro ✓ 2586344 15 hours ago 394 commits

_about	Replaced the obsoleted "find page" macro with a better one, clea...	...	15 hours ago
_analysis	Replaced the obsoleted "find page" macro with a better one, clea...	...	15 hours ago
_data	Added lumi plots for run 10	...	2 days ago
_detectors	Added Watanabe's PhD thesis references (Zenodo)	...	14 days ago
_experiment	Replaced the obsoleted "find page" macro with a better one, clea...	...	15 hours ago
_includes	additional adaptations for the pagelink macro	...	15 hours ago
_layouts	additional adaptations for the pagelink macro	...	15 hours ago
_lumi	adding lumi to "collections", prepping a teset of lumi inclusion	...	5 months ago
_resources	Replaced the obsoleted "find page" macro with a better one, clea...	...	15 hours ago
_runs	cleared out unnecessary material from front matter of run pages	...	15 days ago
_software	Replaced the obsoleted "find page" macro with a better one, clea...	...	15 hours ago
_assets	cleaning up the rest of archived materials	...	yesterday

About

Hosting for github.io pages

Readme

Apache-2.0 License

Releases 1

First release of the PHENIX D... Latest on Apr 21

Packages

No packages published
[Publish your first package](#)

Contributors 4

buddhasystem buddhasystem

Notes on repo sizes and policies

- Depending on the client, GitHub caps generic repositories at 75 to 100GB
- For GitHub pages (our current hosting solution) there are separate caps:
 - 1GB for the repo from which the site is built (currently 100MB)
 - I freed ~20MB in the past few days by moving materials to Zenodo
 - 1GB for the compiled site content (currently 50MB)
 - 100GB/month traffic - doesn't see to be an issue
- Caveats
 - The size of a local clone of the repo will be different since the folders also contain the git "objects" i.e. the database which keeps previous commits. Can be fixed, an advanced subject.
- Going forward
 - Leverage Zenodo, GitHub and potentially OpenData to offload anything "big" from the site, avoid adding to the site repo in the first place to keep the git database lean
 - **We'll be fine** with regards to the GitHub limits if we are careful
 - Small images/diagrams should be fine, but no large PDFs etc

Misc

- Missing parts of the PHENIX (internal) website are still a bit of a pain
 - Analysis notes pages are not fully functional, no easy access to theses etc
- Support/updates of *legacy* services (phenix.bnl.gov) may become a serious issue a few years down the road
 - PHP ecosystem is subject to disruptive version changes, to be built vis a vis evolving OS's
 - More motivation to migrate to the new site as much and as soon as possible
 - [Can we survey/identify the parts that need to be migrated?](#)
- Survey of analysis notes
 - Some better than others, but many don't comply with the template
 - ...some are missing reference to the analysis code
 - Exact locations of the data components are often missing
 - Software: no clear how-to instructions in all notes
 - In summary, analysis notes will not be of much use for DAP - must rely on direct communication with the researcher

Summary and plans

- The first “new” batch of HEPData submissions is being uploaded, the process is working well
 - Presentation for the EC is ready (Christine and Maxim)
- Progress is being made with the content of the DAP site and its functionality
 - All PDF content on Zenodo
 - NIM papers migrated to a separate repository, with proper DOIs added to the site
 - Will only upload moderate size images and diagrams directly to the site, all else to Zenodo etc
- Most lumi plots migrated to the DAP site
- The embedding “use case” (Takashi) is promising and work shall continue to develop it and leverage to document the PISA and other components