

EIC-zenodo update

Carlos Fernando Gamboa

Follow-ups on EIC computing meeting, June 18th 2020

EIC Zenodo instance: Status

A Zenodo test instance was made available to BNL EIC users to familiarize themselves with the application. The instance was integrated with Federated ID (Incommon) for authentication (only accessible within BNL internal network).

- Helped users to identify features to augment requirements for a document store by interacting with test instance
- Feedback from user's experience used to improve the [test instance layout](#)

A EIC group (EIC-ZENODO) and a community (EIC) were created in Commanage for authorization.

- Users part of **eic-zenodo** group are able to login and create content in the to zenodo instance
- 8 users added via Commanage registration enrollment after requesting access to instance
 - Users could decide which Incommon identity to login (SDCC or BNL AD IdP) while finalizing Commanage enrollment process.
- It is a prototype that will allow JLAB and non-BNL colleagues to interact with the system

Test instance permitted:

- Users to publish records. Records published into test Communities
- Users to identify metadata required for records provided by Zenodo
- Users to interaction with Zenodo Web User Interface allows them to identify
 - Better application messaging feedback to user
 - Missing functionality to upload directories and keep hierarchical representation

Zenodo instance: pending issues

Digital Object Identifier

- This is a test instance and it is **NOT** registering DOIs to Datacite. DOIs are generated but only meaningful to the local repository
- Zenodo is built to automatically generate a DOI and registers it on Datacite (if enabled) when the record is published
 - Users can also assign a DOI registered externally (not issued by zenodo) to the record
- US DOE policy for DOE funded or work performed at a DOE Lab mandates to register records in the OSTI catalog in order to get a free DOI ([DOE O 241.1B](#))
 - OSTI DOI workflow is different to the implemented by Zenodo:
 - OSTI requires specific metadata (not currently supported by Zenodo) to register the record and to provide the DOI.
 - Development of the OSTI DOI workflow within Zenodo will need to be done
 - As workaround users can register the OSTI DOI manually and assign it to the record as an external DOI
 - Currently OSTI does not enforce to register the record with a new DOE OSTI if the record has a pre-existing (non OSTI) registered.
 - Not a problem of BNL but a general problem of Zenodo usage within DOE framework


EIC Zenodo instance: Production deployment

Currently working on enabling a production deployment based on the Zenodo test instance and its successful integration with Federated Id/COmanage for authentication

The production instance will be provisioned with external accessibility following BNL Cybersecurity policies. Once this is in place, EIC (non BNL) colleagues will be able to get access to the instance!

Anticipated time of completion July 27th 2020 if not before. After then Zenodo based Digital repository will be available for the entire EIC community!

Sample of a record

 [Upload](#) [Communities](#) [Log in](#)

June 5, 2020 Journal article Open Access

The Electron-Ion Collider: Assessing the Energy Dependence of Key Measurements

Ullrich, Thomas

E.C. Aschenaucr, S. Fazio, J.H. Lee, H. Mantysaari, B. S. Page, B. Schenke, T. Ullrich, R. Venugopalan, P. Zurita

Preview

FinalSubmission.zip

- FinalSubmission
 - .DS_Store 6.1 kB
 - TeXSource
 - .DS_Store 6.1 kB
 - bibliography.bib 199.3 kB
 - figures
 - CTEQ14EPPS16-Q2dep_eA_combo.pdf 77.2 kB
 - Combo_xQ2.pdf 100.8 kB
 - DipoleScatAmp.pdf 485.5 kB
 - E665_F2_gluon-combo.pdf 120.6 kB
 - Evolution.pdf 680.5 kB
 - FL_Combo.pdf 97.1 kB
 - JetInMediumSketch.pdf 634.1 kB
 - KinePieCombo.pdf 107.6 kB
 - PhotonGluonFusion.pdf 75.8 kB
 - Q2slope.pdf 143.5 kB
 - QsReach_eRHIC_JLEIC.pdf 97.4 kB
 - Rco_RHIC_LHC.pdf 110.8 kB

Files (19.5 MB)

Name	Size	Preview	Download
FinalSubmission.zip	14.8 MB		
md5:1486a13a34e4db6c926da1d1e1917471			
master.pdf	4.6 MB		
md5:5e5d9b70b0b61d64a7b41363968240c			

Publication date: June 5, 2020

DOI: DOI 10.5072/zenodo.22

Keyword(s): EIC, Energy Requirements, Reports on Progress in Physics

Communities: EIC SDCC test community, Zenodo default sample community

License (for files): Creative Commons Attribution 4.0

Versions

Version final Jun 5, 2020
10.5072/zenodo.22

Cite all versions? You can cite all versions by using the DOI 10.5281/zenodo.21. This DOI represents all versions, and will always resolve to the latest one. [Read more.](#)

Share

Cite as

Ullrich, Thomas. (2020). The Electron-Ion Collider: Assessing the Energy Dependence of Key Measurements (Version final). <http://doi.org/10.5072/zenodo.22>

Start typing a citation style...

Export

BibTeX CSL DataCite Dublin Core DCAT JSON JSON-LD GeoJSON MARCXML

Records uploaded

The screenshot displays a web interface for a digital repository. At the top, there is a blue navigation bar with a search bar, 'Upload' and 'Communities' links, and a 'Log in' button. Below the navigation bar, the main content area is divided into a left sidebar and a main results area. The sidebar contains three filter sections: 'Access Right' with an 'Open (5)' checkbox; 'File Type' with checkboxes for 'Pdf (4)', 'Key (1)', and 'Zip (1)'; and 'Keywords' with a list of terms like 'EIC, Detector, R&D, Requirements, APS (1)'. The 'Type' section at the bottom of the sidebar has checkboxes for 'Presentation (4)', 'Publication (1)', and 'Article (1)'. The main results area shows 'Found 5 results.' with a pagination control and a 'Sort by' dropdown set to 'Most recent'. Five search results are listed, each with a date, version, and type label, followed by the title, author, and a 'View' button. The results are: 1) 'Zenodo: an update' by Maxim Potekhin, presented on June 4, 2020; 2) 'The Electron-Ion Collider: Assessing the Energy Dependence of Key Measurements' by Thomas Ullrich, a journal article from June 5, 2020; 3) 'The Electron-Ion: Collider Detector Requirements and R&D' by Thomas Ullrich, presented on June 4, 2020; 4) 'EIC at BNL Forward Detection and IR Requirements' by Alexander Jentsch, presented on January 24, 2020; and 5) 'Monte Carlo Modeling of Hard Processes in p+p, p+A, A+A, and beyond' by Kolja Kauder, presented on June 3, 2020.

The Electron-Ion Collider

Search [] [Q] Upload Communities [] Log in

All versions

Access Right

Open (5)

File Type

Pdf (4)

Key (1)

Zip (1)

Keywords

EIC, Detector, R&D, Requirements, APS (1)

EIC, Energy Requirements, Reports On Progress in Physics (1)

PHENIX (1)

Data And Analysis Preservation (1)

Doi (1)

Github (1)

Mfa (1)

Version (1)

Zenodo (1)

Type

Presentation (4)

Publication (1)

Article (1)

Found 5 results. < 1 >

Sort by: Most recent asc

June 4, 2020 (v1) Presentation Open Access View

Zenodo: an update

Potekhin, Maxim;

We present an overview of Zenodo features and experience of using this platform in PHENIX.

Uploaded on June 11, 2020

June 5, 2020 (final) Journal article Open Access View

The Electron-Ion Collider: Assessing the Energy Dependence of Key Measurements

Ullrich, Thomas;

E. C. Aschenauer, S. Fazio, J.H. Lee, H. Mantysaari, B. S. Page, B. Schenke, T. Ullrich, R. Venugopalan, P. Zurita

Uploaded on June 5, 2020

June 4, 2020 (v1) Presentation Open Access View

The Electron-Ion: Collider Detector Requirements and R&D

Thomas Ullrich;

Talk given at the APS April Meeting 2020. Given on March 19, 2020

Uploaded on June 4, 2020

January 24, 2020 (v1) Presentation Open Access View

EIC at BNL Forward Detection and IR Requirements

Jentsch, Alexander;

Talk given at QCD in Light Nuclei workshop at Stony Brook University in January 2020.

Uploaded on June 4, 2020

June 3, 2020 (v1) Presentation Open Access View

Monte Carlo Modeling of Hard Processes in p+p, p+A, A+A, and beyond

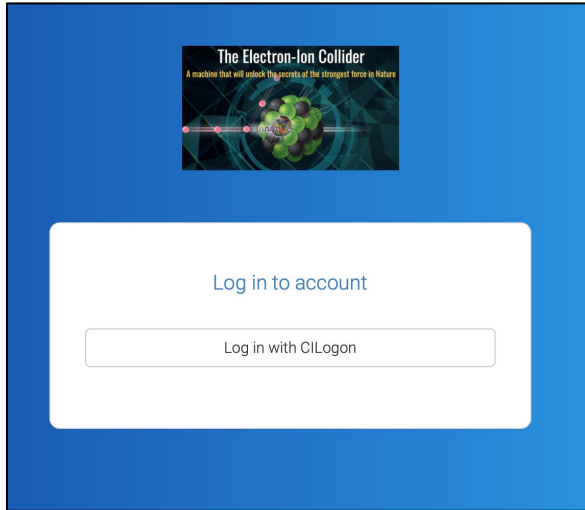
Kolja Kauder;

Talk given at Hard Probes 2020

Uploaded on June 4, 2020

Authentication (https://registry.cilogon.org/)

1. Incommon Fed ID/ commanage---> integrated and used to restrict write access to the Zenodo instance



Zenodo login page

Home > SDCC > Groups > Edit Group

Edit eic-zenodo

[Manage Group Memberships](#) [Provisioned Services](#) [View History](#)

Name *

Description

Open Open

Status

** denotes required field*

Email Lists

Name	Status	Type	Actions
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Group Members

Name	CO Person Status	Roles	Actions
Carlos Gamboa	Active	Group Member and Owner	Edit Delete
Thomas Ullrich	Active	Member	Edit Delete
Kolja Kauder	Active	Member	Edit Delete

LINKS

[Simple login tutorial to Zenodo test](#)

[Users feedback](#)

Github and Zenodo integration

<https://guides.github.com/activities/citable-code/>

DOI and Datacite

<https://datacite.org/dois.html>

OSTI

<https://www.osti.gov/submit-sti>