

Indico @ FAIR and GSI

Indico Installation at FAIR and GSI, Darmstadt

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GSI, Darmstadt, Germany

Indico Workshop 3.5 – 20/03/2023

About FAIR and GSI



- GSI Helmholtzzentrum für Schwerionenforschung
Operates large-scale accelerator for heavy ions
1400 employees + 1200 guest researchers
- Facility for Antiproton and Ion Research in Europe
Future accelerator facility, currently being built

Indico at FAIR and GSI

- URL: <https://indico.gsi.de>
- Version 2.3.4
- Debian Stretch VM with 4 cores and 12G RAM
- Database on central PostgreSQL server
- Login via LDAP (“GSI Weblogin”) or local account
- Style adapted to GSI web site style
(css, templates in [CUSTOMIZATION_DIR](#))

Indico at FAIR and GSI

The screenshot shows the Indico website interface. At the top left is the FAIR GSI Indico logo. The top right contains location and language settings: Europe/Berlin, English, and a Login button. Below the logo is a navigation bar with 'Home' and 'Create event'. The main content area is titled 'Main categories' and features a table of event categories. A 'Create event' button and 'Navigate' options are also visible. To the right, there is a 'News' section with several articles and an 'Upcoming events' section.

Category	Number of Events	Icon
Accelerator Operations	538 events	⇒
ALICE	1,600 events	⇒
APPA	5 events	⇒
Atomphysik	253 events	⇒
BIO Physik	156 events	⇒
Board of FAIR Collaborations	9 events	⇒

News [more...](#)

- Zoom plugin installed**
Posted 5 May 2021
- Notes on version 2.3**
Posted 19 Apr 2021
- Labels for cancelled/postponed events**
Posted 16 Apr 2020

Upcoming events

- The Heidelberg Ion Beam Therapy Center HIT...**
starts Today
- Outreach Meeting**
starts Monday

GSI Customization

In `CUSTOMIZATION_DIR`

- 144 lines in `.../css/GSIstyles.css`
- Several templates under `.../templates/core/...`
(`header.html`, `footer.html`, `/core/contact.html`,
`auth/login_page.html`, `auth/_login_form.html`,
`events/registration/...`)
- Logos (FAIR + GSI) in `.../files/...`

GSI Customization

Contact Page and Footer

Home » Contact

GSI Indico contact

User support


For support and all other issues using Indico at GSI, you can contact the following email address:
indico-service@gsi.de

About GSI

GSI Helmholtzzentrum für Schwerionenforschung GmbH
Planckstraße 1
64291 Darmstadt
Germany
Telephone: +49-6159-71-0
Web: www.gsi.de

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 Powered by [Indico v2.3.4](#) [Help](#) | [Contact](#) | [Terms and conditions](#) | [Legal notice / Impressum](#) | [Data privacy protection / Datenschutz](#)

GSI Customization

Login Page

Logos



Terms of Use

By logging in you agree to our [Terms of Use](#)

Username

Password

Link to reset LDAP password

[Forgot my password](#)

Login with GSI Weblogin

— or change authentication provider —

Indico

If you do not have an Indico account yet, you can [create one here](#).

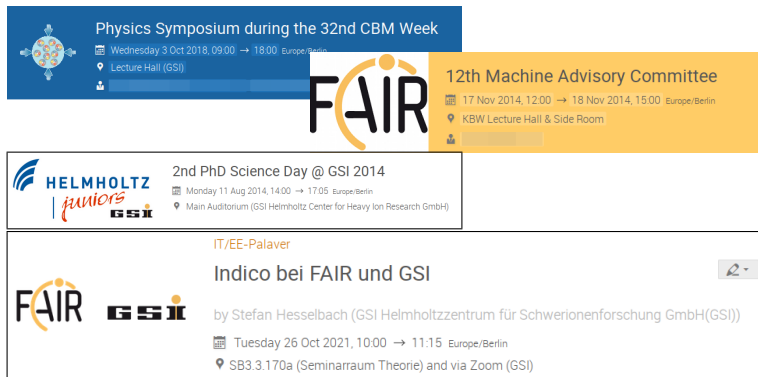
[← Back](#)

GSI Customization

Meeting/Lecture Themes

Plugin *GSI Themes* (adapted from *CERN Themes*)

→ Meeting/Lecture themes for our collaborations,
FAIR meetings, FAIR-GSI meetings/lectures, ...



The screenshot displays four Indico event cards. The first card is for a 'Physics Symposium during the 32nd CBM Week' on Wednesday, 3 Oct 2018, at 09:00 to 18:00 in Europe/Berlin, held in Lecture Hall (GSI). The second card is for the '12th Machine Advisory Committee' on 17 Nov 2014, from 12:00 to 15:00 in Europe/Berlin, at KBW Lecture Hall & Side Room. The third card is for the '2nd PhD Science Day @ GSI 2014' on Monday, 11 Aug 2014, from 14:00 to 17:05 in Europe/Berlin, at the Main Auditorium (GSI Helmholtz Center for Heavy Ion Research GmbH). The fourth card is for 'Indico bei FAIR und GSI' on Tuesday, 26 Oct 2021, from 10:00 to 11:15 in Europe/Berlin, at SB3.3.170a (Seminarraum Theorie) and via Zoom (GSI). The FAIR logo is overlaid on the first two cards.

Physics Symposium during the 32nd CBM Week
Wednesday 3 Oct 2018, 09:00 → 18:00 Europe/Berlin
Lecture Hall (GSI)

12th Machine Advisory Committee
17 Nov 2014, 12:00 → 18 Nov 2014, 15:00 Europe/Berlin
KBW Lecture Hall & Side Room

HELMHOLTZ
| juniors
GSI
2nd PhD Science Day @ GSI 2014
Monday 11 Aug 2014, 14:00 → 17:05 Europe/Berlin
Main Auditorium (GSI Helmholtz Center for Heavy Ion Research GmbH)

IT/EE-Palaver
Indico bei FAIR und GSI
by Stefan Hesselbach (GSI Helmholtzzentrum für Schwerionenforschung GmbH(GSI))
Tuesday 26 Oct 2021, 10:00 → 11:15 Europe/Berlin
SB3.3.170a (Seminarraum Theorie) and via Zoom (GSI)

History at GSI

- Test installation since about 2008
- This gradually became productive
- 2011 upgrade from V0.96.2 to V0.97.1
→ style adaptations
- 2014 upgrade to V1.0
- 2017 upgrade to V1.2.2
- 2020 upgrade to V2.2
→ migration to PostgreSQL database
- 2021 upgrade to V2.3
→ Zoom plugin installed

History at GSI

Migration to V2

- Done in 2020
- `indico-migrate` ran successfully on our database
- Content (events, files) got transferred
- “Not confirmed” spam profiles got removed
- Trickiest part: meeting themes
 - Adaption of plugin *CERN Themes*
 - Understanding of plugin development necessary
 - pieces of information from several threads in forum

Plugins used

- GSI Themes
 - Meeting/Lecture themes
 - Adapted from *CERN Themes*
<https://github.com/indico/indico-plugins-cern>
- Zoom
 - Heavily used (Zoom licenced for GSI/FAIR)
 - Small drawback:
Many hard exceptions because of user errors
(e.g. accessing Zoom event already deleted in
Zoom interface, ...)

Usage at GSI

- Main system for
 - conference/meeting organization (registration, ...)
 - lectures series management
- "Week's events" linked as calendar on GSI website
<https://indico.gsi.de/category/0/overview?period=week>
- Certain categories feed list of seminars in our weekly online newspaper
<https://www.gsi.de/en/kurier>

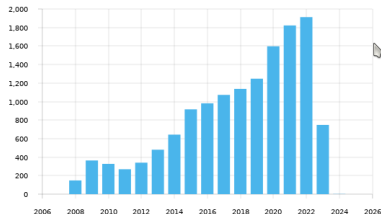
Usage at GSI

Statistics

<https://indico.gsi.de/category/0/statistics>

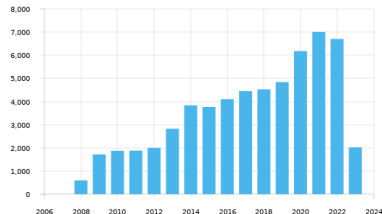
Number of events

The year is the one of the start date of the event.



Number of contributions

The year is the one of the start date of the contribution.



14,283

TOTAL NUMBER OF EVENTS

59,149

TOTAL NUMBER OF CONTRIBUTIONS

54,199

NUMBER OF ATTACHMENTS

9,143

NUMBER OF USERS

Last updated on: 16 March 2023 18:48

User accounts

- LDAP login (“GSI Weblogin”)
 - For GSI users
 - Login/Authentication works out of the box after proper configuration in `indico.conf`
(<https://docs.getindico.io/en/latest/config/auth/#ldap>)
 - Use of LDAP groups needs adaptations to code because of missing *member of* attribute
- Local Indico accounts
 - External participants in conferences
(abstracts, workflows ...)
- Now in total > 9100 profiles

Access control via LDAP groups

- Enabled since V1.0
- Used by our Collaborations for private content

Board of FAIR Collaborations	9 events	🔒	⇒
CBM	5,874 events		⇒
Committees	67 events		⇒

- Adaption of code
 - *member of* attribute missing
 - ~ 10 lines of code in
`.../flask_multipass/providers/ldap/providers.py`
 - Question: Integration into `flask_multipass`?
→ 1 more parameter

Indico 3 test server

The screenshot shows the Indico 3 test server interface. At the top left, the logos for FAIR, GSI, and Indico are displayed. On the top right, there are three dropdown menus: a green 'Öffentlich' button, a location dropdown set to 'Europe/Berlin', and a user profile dropdown for 'S. Hesselbach'. Below the logos is a navigation bar with links for 'Hauptseite', 'Veranstaltung erstellen', 'Administration', and 'Mein Profil'. A search bar with the placeholder 'Geben Sie Ihren Suchbegriff ein' and a search icon is present. To the right of the search bar is a 'Veranstaltung erstellen' button and a 'Navigieren' button with several icons. The main content area features a welcome message: 'Willkommen bei Indico. Indico ermöglicht es Ihnen komplexe Konferenzen, Workshops und Besprechungen zu verwalten. Um sich umzuschauen, wählen Sie eine der folgenden Kategorien'. Below this, a category card for 'UCat1' is shown with '4 Veranstaltungen' and a right-pointing arrow. At the bottom left is the Indico logo and the text 'Powered by Indico v3.2.1-pre'. At the bottom right, there is a footer with links for 'Hilfe', 'Kontakt', 'Allgemeine Benutzungsbedingungen', 'Legal notice / Impressum', 'Data privacy protection / Datenschutz', and 'Datenschutz'.

Final remarks

- Summary
 - FAIR-GSI Indico runs with V2.3.4
 - Customization/adaptions of web site style, meeting themes, LDAP groups, ...
 - Upgrade to V3 in progress
- Looking forward to V3
 - Search
 - Language support
 - ...
- Thank you!