

Steps for Joining a Group & Accessing FRS Experimental Data

Introduction

This document provides a step-by-step guide for new users who need to join the Facilities/GSI/FRS group on the EURO-LABS SSO platform and subsequently access the experimental data stored at <https://lxfrs.gsi.de/>.

What is EURO-LABS SSO?

EURO-LABS SSO (Single Sign-On) is an internal identity and access management system used within the GSI Helmholtzzentrum für Schwerionenforschung. It serves as the central authentication gateway that controls access to experimental data, facility resources, and internal services. In particular, membership in the FRS (Fragment Separator) group is required to log in to the lxfrs.gsi.de web portal and retrieve/analyse experimental data.

Purpose of this document :

This guide walks you through the entire process, in order:

1. Group Owner Authorization & Registration Request
2. Receiving the invitation e-mail from the group owner
3. Activating your EURO-LABS SSO account (or linking your existing GSI identity)
4. Logging in via the GSI eduGAIN identity provider
5. Joining the FRS group (if not already included in the invitation)
6. Accessing the data at <https://lxfrs.gsi.de/>

Follow the steps in the order presented – each step depends on the previous one being completed.

Step 0: Group Owner Authorization & Registration Request

Before receiving the invitation email, your access request must be processed by the Group Owner or Facility Administrator. The group owner must add your institutional email to the EURO-LABS SSO system and assign you to the corresponding experiment group (e.g. specific beamtime groups).

How to Log in to EURO-LABS SSO

Dear ' _____ '

your registration request has been approved.

The username for your account is:

You can set your local EURO-LABS SSO password by following this link:

<https://iam-eurolabs.ijclab.in2p3.fr/iam/password-reset/token/7bc5946c-c722-461f-add5-2965c9ef313f>

Note that this step is not needed if you are using an external identity provider to log into EURO-LABS SSO, your account is already active.

The EURO-LABS SSO registration service

Dear _____,

your membership request for the group Facilities/GSI/FRS/Local has been APPROVED.

The EURO-LABS SSO registration service

**First, getting e-mail from the group owner.
In the e-mail direct link to the group is valid. Click the link.**

Navigate to <https://iam-eurolabs.ijclab.in2p3.fr> in your browser. You will see the EURO-LABS SSO login page with three options: ORCID, eduGAIN, and Local credentials

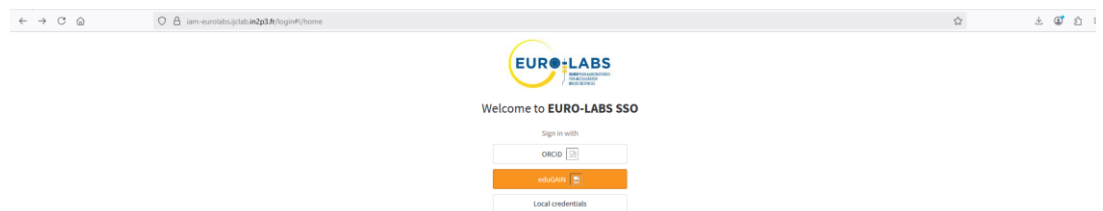


Figure 1: EURO-LABS SSO login page. Select eduGAIN to continue with your GSI account.

Click the eduGAIN button. You will be redirected to the eduGAIN federation login. If you have logged in before, the system may remember your last Identity Provider (IdP). Otherwise In the search box, type "GSI" and select GSI Helmholtzzentrum für Schwerionenforschung GmbH.



Sign in with your IdP

Danmarks Tekniske Universitet

Hochschule Burgenland

青岛理工大学(Qingdao University of Technology)

UNIJUI - Universidade Regional do Noroeste do Estado do Rio Grande do Sul

ESIEA - Ecole Supérieure d'Informatique Electronique Automatique

IERR - Instituto de Educacao de Roraima

Kyakago Secondary School

CPE Lyon

Université de Lyon 3 - Jean Moulin

Mbale Secondary School

University of Kentucky

兰州交通大学(Lanzhou Jiaotong University)

Fundació i2CAT, Internet i Innovació Digital a Catalunya

Brookhaven National Laboratory - SDCC.BNL.GOV

Council for Research in Ayurvedic Sciences (CCRAS)

西安文理学院(Xi'an University)

Nombe Seed Secondary School

Nationwide Children's Hospital

Social Sciences University of Ankara

函館工業高等専門学校

Then click "Sign in with IdP". You will be redirected to the GSI Weblogin page. Enter your GSI Weblogin username and password (the same credentials you use for internal GSI services) and click Sign In.



GSI Helmholtzzentrum für Schwerionenforschung GmbH

Weblogin

Sign In

English

Username

Password

☐ Remember me

[Forgot Password?](#)

Sign In

Then
click



GSI Helmholtzzentrum für Schwerionenforschung GmbH

Weblogin

Grant Access Privileges?

English

Do you grant these access privileges to EURO-LABS IAM?

Personal Data

Your real name and related personal attributes shared directly with the service.

First Name

Last Name

Display Name

Account Handles

An identifier such as your email address or username. May allow deduction of your real name.

Email Address

Original Email Address

Pseudonymous IDs (service-agnostic)

A unique ID that is the same across all services. Your identity cannot be deduced from it, but your activity across services can be correlated.

Subject ID

Subject ID (deprecated)

Pseudonymous IDs (service-specific)

A unique ID generated specifically for this service. Cannot be linked to your identity or to your account at other services.

Pairwise Subject ID

Pairwise Subject ID (deprecated)

Pairwise Subject ID (deprecated, alternative)

Yes

No

"Sign in with IdP". You will be redirected to the GSI Weblogin page. Enter your GSI Weblogin username and password (the same credentials you use for internal GSI services) and click Sign In.



Sign in with your IdP

You will be redirected for authentication to:

GSI Helmholtzzentrum für Schwerionenforschung GmbH

Proceed?

Sign in with IdP

☐ Remember this choice on this computer

[Search again](#)
[Back to login page](#)

After successful authentication, GSI will ask for your consent to share your identity with EURO-LABS IAM. Review the requested permissions (First Name, Last Name, Email Address, Subject ID, etc.) and click the orange "Yes" button to approve.

IAM for EURO-LABS SSO

EURO-LABS SSO

Home

My clients

Client management

Mitred Dashboard

Nisan Yaprak Benal



Email

Status

Created

Updated

End time

✓ Active

yesterday

yesterday

N/A

Edit Details

Change Password

Groups

Facilities			
Facilities/GSI	view role		Remove
Facilities/GSI/FRS	view role	view optional group	Remove
Facilities/GSI/FRS/Local			Remove

Group requests

No request found

[Join a group](#)

Linked accounts

SAML

<https://fd.gsi.de/vd.xml>

[Link internal account](#)

You are now logged in. The IAM dashboard shows your account details, current group memberships, and group requests. If your membership in Facilities/GSI/FRS/Local is already active (shown under "Groups"), you can proceed directly to step 5 (accessing lxfrs.gsi.de). If not, continue with the "Join a Group" steps below.

Type name of the group and click blue “Join group” button. When the membership is approved, user will receive an e-mail.

Open the FRS Data Portal

Once your group membership (Facilities/GSI/FRS/Local) has been approved, open <https://lxfrs.gsi.de> in your browser. The portal displays a list of experimental runs organized by year, target, and run ID, together with the principal investigator, institution, and experiment title.

2024	238U	G-22-00180	Grahn, Tuomas JYU, FI	Measurement of production cross sections of neutron-deficient fragments in the range of $Z=82$ to $Z=89$ in the reaction $^{238}\text{U}+^9\text{Be}$	Files	Link
2024	238U	G-22-00182	Zhao, Jianwei GSI Darmstadt, DE	Fission isomer studies with the FRS	Files	Link
2024	238U	G-22-00181	Reiter, Peter Uni Köln, DE	Extending the quest towards the $N=126$ r -process waiting point	Files	Link

To open the data files of a specific run, click the blue "Files" link in the corresponding row. If you are not yet authenticated on the portal, you will be redirected to the lxfrs.gsi.de sign-in page.

lxfrs.gsi.de

Sign In to lxfrs.gsi.de

Please choose your method of logging in

EURO-LABS INDIGO IAM (YOUR OWN ACCOUNT)

LOCAL (SHARED) ACCOUNT

Once your group membership is active, open <https://lxfrs.gsi.de/> in your browser. The portal will use your EURO-LABS SSO session (or prompt you to log in again via the same eduGAIN → GSI flow described above). You will then see the available data sets, run directories, and analysis tools for the FRS facility.

On the sign-in page, click the blue button labelled "EURO-LABS INDIGO IAM (YOUR OWN ACCOUNT)". This redirects you to the same EURO-LABS SSO login flow described in Section 2 of this document (eduGAIN → GSI Weblogin → consent). After successful authentication you are returned to the run directory with full read access to the data files.