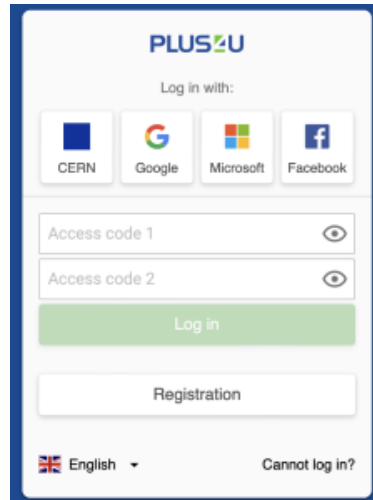


ATLAS IP Production Database


How to login

- The production database can be accessed [here](#)
- You will have to create an account the first time that you login and specify 2 access codes. (I used my CERN account).
- Once your account is setup, you can login with your CERN/Google/Microsoft/Facebook by clicking the respective logo OR with the 2 access codes. Note that your permissions will be higher if you login with the access codes i.e. you may not be able to create new components types if you login without the access codes but if you only want to see what's in the database this login may be enough.


The image shows a login interface for PLUS4U. At the top is the PLUS4U logo. Below it is the text "Log in with:". There are four buttons for social login: CERN (blue square logo), Google (Google logo), Microsoft (Windows logo), and Facebook (Facebook logo). Below these are two input fields for "Access code 1" and "Access code 2", each with a toggle icon (an eye) to the right. Below the access code fields is a green "Log in" button. Below that is a white "Registration" button. At the bottom left is a language selector showing "English" with a dropdown arrow. At the bottom right is a link that says "Cannot log in?".

The database menu

- [My Institute Component List](#)
 - The components with current location = SLAC are shown in this list.
 - You can register a **new** component by clicking the bottom on the right side of the window.

ATLAS ITk Production Database Test					
<div>  </div> <div> Dashboard My Components My Institute Components My Test Results My Batches My Institute Shipping to Receive My Institute Shipping to Send Components Test Results </div>					
My Institute Component List ?					
<div> <div>Actions</div> <div> <div>Filters</div> <div> Pixels <input type="radio"/> Dummy <input type="radio"/> Trashed Add filter </div> </div> <div> <div>Sorting</div> Add sorting </div> </div> <div>Showing 168 of 169</div>					
<input type="checkbox"/>	Component	Serial Number	Current stage	Current location	Re
<input type="checkbox"/>	Module PCB - Triplet L0 Stave PCB	20UPIPT0010008	Reception	SLAC National Accelerator Laboratory	8/1
<input type="checkbox"/>	Module - Triplet L0 stave module	20UPIMS0010008	UNKNOWN STAGE	SLAC National Accelerator Laboratory	8/1
<input type="checkbox"/>	Module - Digital quad module	20UPGR92101015	UNKNOWN STAGE	SLAC National Accelerator Laboratory	7/1
<input type="checkbox"/>	Module carrier - CARRIER	20UPGMC2100019	Module carrier existing	SLAC National Accelerator Laboratory	7/1
<input type="checkbox"/>	Module - Triplet L0 stave module	20UPIMS0022001	UNKNOWN STAGE	SLAC National Accelerator Laboratory	7/1
<input type="checkbox"/>	Module PCB - Triplet L0 Stave PCB	20UPIPT0022001	Reception	SLAC National Accelerator Laboratory	7/1
<input type="checkbox"/>	Bare Module - Digital quad bare	20UPGBQ2000803	Bare module assembly	SLAC National Accelerator Laboratory	6/5

- My Institute Shipping to Receive
 - The components that are currently in transit towards SLAC are shown here.

ATLAS ITk Production Database Test					
<div>  </div> <div> Dashboard My Components My Institute Components My Test Results My Batches My Institute Shipping to Receive My Institute Shipping to Send </div>					
Shipment List ?					
<div> <div>Select sender</div> <div>SLAC National Accelerator Laboratory X</div> <div>Select status</div> </div>					
<div> <div>Actions</div> <div> <div>Filters</div> Add filter </div> <div> <div>Sorting</div> Add sorting </div> </div> <div>Showing 12 of 12</div>					
Shipment	Tracking number	Sent	Received	Sender	
1 digital quad assembly for SLAC				CERN CERN	
ITkPixV1 rev3.2 15th May - SLAC				University of Edinburgh	

- The first shipment on the list "1 digital quad assembly for SLAC" was sent from CERN to SLAC. We can see more details by clicking on the shipment name.

SENDER

CERN

TYPE

Inter-continental (between continents)

RECIPIENT

SLAC National Accelerator Laboratory

SENT

9/21/2023 01:08:03 PM

COMPETENT USER

Abhishek Sharma

Delivery Request List ?

No delivery request

Item List ?

Actions

Delivery Incomplete

Receive All Delivery

Showing 1 of 1

Select all

Component	Alternative ID
<div> <div></div> <div>Module - DIGITAL_QUAD_MODULE 20UPGR92910073</div> </div>	

Status History

Set

21.09.2023 21:46	Prepared	Abhishek Sharma
21.09.2023 22:08	In transit	Abhishek Sha <div></div>

- We need to update the database when a component is received, then it will show up in "[My Institute Component List](#)". We can do so by clicking "Receive All Delivery" in the Item list. Then a shipment reception checklist will show up (if properly setup by the owner of the shipment), and you will be able to confirm the arrival.

Shipping Reception ?

Shipment Checklist

Set damaged components

Shipment was properly packaged

Outer box intact

Inner box intact

ESD static bag used

Humidity barrier bag used

Vacuum sealed bag used

50g shock watch present

50g shock watch was not triggered

25g shock watch present

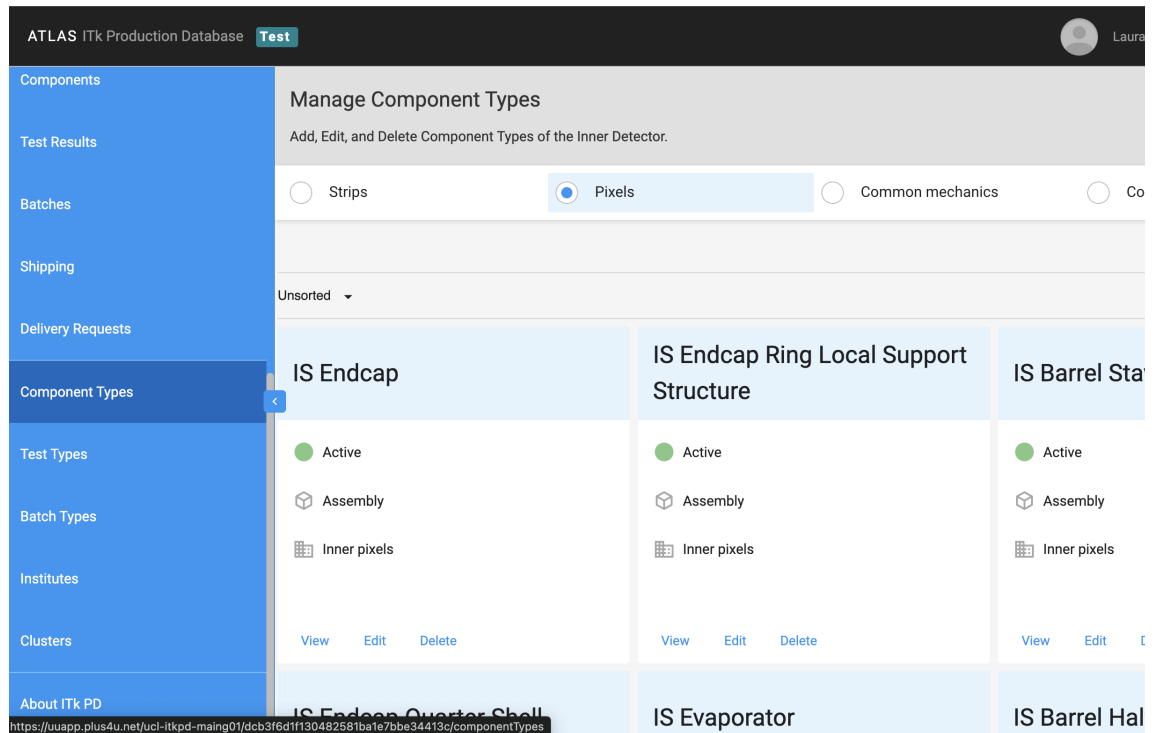
Cancel

Confirm

- If you want to know more about the component you received, you can click on its name "Module - DIGITAL_QUAD_MODULE" and you will be able to see the location history of this component, its child and parent components and which tests have been performed on it (if these have been added to the database).

- Component types

- Here you can define or modify the different component types



- Once we click "view" on a component i.e. "IS Loaded Local Support", we will be able to see the component types i.e. L1/L2 staves and R0/0.5/1 Rings. We will also be able to see the stages of this component i.e. Reception, Loading, Thermal cycle, with their respective tests, and the child components for each type i.e. for the L1 stave assembly the child components are 12 quad modules and 1 L1 stave structure. The parent components are not defined, instead we will need to add the "IS Loaded Local Support" as a child component of its parent component.
- The "IS Loaded Local Support" component type is already relatively well documented, but most tests are currently not yet defined/linked. However, several other components such as "Pixel Inner System" are empty. I need to add all of this information to the database so that you can later have the option of marking each of the pre-defined tests as passed and adding the test results if you choose. I need your help for doing this, since I do not yet have a clear picture in my mind of the parent/child relations or which tests I need to define for each component type.
- At this moment, several of the component types defined include "dummy" components/prototypes. We may need to find a way to differentiate the early stage prototypes from the more final stage products.

- Test types

- The tests that can be assigned to the different component types are defined here.

Other databases used in early stages

- Module Reception Log [link](#)