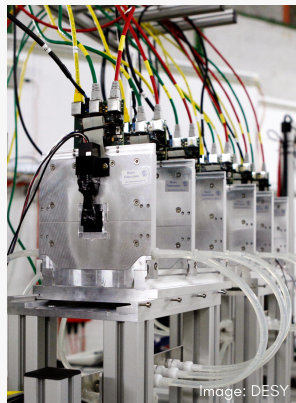




# AIDA<sup>2020</sup>

## TRANSNATIONAL ACCESS SCHEME



### INFRASTRUCTURE

PS&SPS  
DESY-II  
IRRAD  
GIF++  
TRIGA  
KAZ  
CRC  
MC40 Cyclotron  
RBI-AF  
EMClab

### FACILITY

CERN  
DESY  
CERN  
CERN  
JSI  
KIT  
UCLouvain  
UoB  
RBI  
ITAINNOVA

### COUNTRY

IEIO  
Germany  
IEIO  
IEIO  
Slovenia  
Germany  
Belgium  
UK  
Croatia  
Spain

### THE AIDA-2020 PROJECT

AIDA-2020 brings together 38 European research infrastructures, institutes & universities in the field of detector research and development with the aim of advancing detector science and facilities in Europe.

### THE TA SCHEME

The AIDA-2020 Transnational Access (TA) scheme supports small teams of researchers to carry out experiments at one of the 10 European test facilities.

### CONTACT

Please contact the AIDA-2020 Coordination Office for further queries via: [AIDA-2020-TA@cern.ch](mailto:AIDA-2020-TA@cern.ch)

### TYPES OF TESTING

- Beam testing
- Irradiation testing
- Detector characterisation

## PS&SPS

CERN, SWITZERLAND

The Proton Synchrotron & Super Proton Synchrotron offer test beams in the range of 1-350 GeV. Able to select for type, polarity, energy & beam intensity.

## DESY-II

DESY, GERMANY

DESY-II provides 3 test beam lines with 1-6 GeV/c electrons. Users may also request the use of pixel beam telescopes, such as EUDET.

## IRRAD

CERN, SWITZERLAND

IRRAD is located within the East Area of the CERN PS, offering protons of 24 GeV/c. Objects can be exposed of fluences of up to  $10^{17}/\text{cm}^2$ .

## GIF++

CERN, SWITZERLAND

GIF++ is located in the H4 beamline of CERN SPS North Area. Offers a high energy charged particle beam and a 14 TBq<sup>137</sup>Cesium source.

## TRIGA REACTOR

JSI, SLOVENIA

The TRIGA Mark-III Reactor at JSI offers in-core (including 'off mode') irradiation for smaller samples, and dry chamber irradiation for larger samples.

## KAZ

KIT, GERMANY

KIT performs proton irradiations at the proton cyclotron run by the company ZAG. The facility offers a proton energy of 25.3 MeV at extraction.

## CRC

UCLouvain, BELGIUM

CRC provides access to the Heavy Ion irradiation facility, offering particle 'cocktails' to study electronics with single event effects.

## MC40 CYCLOTRON

UOB, UK

The Birmingham MC40 proton/light ion cyclotron offers a proton energy of up to 40 MeV at extraction with a stage range of 45cmx40cm.

## RBI-AF

RBI, CROATIA

The RBI Accelerator Facility offers proton microbeams from 300 KeV to 10 MeV, He ions from 1-12 MeV, and carbon ions from 300 KeV - 26 MeV.

## EMCLAB

ITAINNOVA, SPAIN

The electromagnetic compatibility facility performs non-standard tests, noise measurements & grounding and shielding diagnosis.



Image: CERN

## ELIGIBILITY

## PUBLICATIONS

## HOW TO APPLY

The user group leader and the majority of users must work in countries other than where the chosen test installation is located, except in the case of access granted by an international organisation or to remote users.

User groups must disseminate their results unless working for SMEs and acknowledge AIDA-2020.

Please visit the AIDA-2020 website for information on how to apply. Interested parties should contact facility coordinators for an informal discussion in the first instance.

