AIDA 2020
TRANSNATIONAL ACCESS SCHEME

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.

TYPES OF TESTING
- Beam testing
- Irradiation testing
- Detector characterisation

CONTACT
Please contact the AIDA-2020 Coordination Office for further queries via: AIDA-2020-TA@cern.ch

http://aida2020.cern.ch

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

FACILITY
- CERN
- DESY
- CERN
- JSI
- KIT
- UCLouvain
- UoB
- RBI
- ITAINNOVA

COUNTRY
- IEIO
- Germany
- IEIO
- Slovenia
- Germany
- Belgium
- UK
- Croatia
- Spain
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 10⁷/cm².

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 TBq¹³³Cesium source.

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.

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.

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

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.

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