

WG7

IRRADIATION FACILITIES DATABASE

**Welcome to the Irradiation Facilities Database.
This website hosts information about facilities for radiation testing at CERN, in
EU, and worldwide.**

This website is of public access and its content has been compiled from a variety of sources.
Data accuracy and completeness relies on the information submitted by the facility coordinators.

CERN FACILITIES

IRRADIATION FACILITIES DATABASE

FACILITIES MAP

January 2018: Database entries are being validated by the facility coordinators.

<http://irradiation-facilities.web.cern.ch/>

CONTACTS

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CERN FACILITIES



The Proton Irradiation Facility (IRRAD) is located on the T8 beam-line in the Meyrin site [East Area](#) Proton Synchrotron (PS). For the irradiations, it uses a 24GeV/c proton beam.

[DB ENTRY](#)[IRRAD WEBSITE](#)

The new Gamma Irradiation Facility (GIF++) is located in the North Area. It combines a ^{137}Cs source with a high-energy particle beam from the SPS H4 beam line.

[DB ENTRY](#)[GIF++ WEBSITE](#)

The Cern High energy AcceleRator Mixed field facility (CHARM), located in the [East Area](#), features a wide spectrum of radiation types and energies.

[DB ENTRY](#)[CHARM WEBSITE](#)

The High-Radiation to Materials facility (HiRadMat), located in the [Meyrin Site](#) on the [SPS accelerator](#) is designed to provide High-Power LHC-type pulsed beams.

[DB ENTRY](#)[HiRadMat WEBSITE](#)

The CERN-EU high-energy Reference Field (CERF) is located in the [North Area](#) providing a neutron field for characterizaion of dosimetry at commercial flight altitudes and in space.

[DB ENTRY](#)[CERF WEBSITE](#)

CALLAB

This new dedicated state-of- the-art facility replaces the ageing facility in [building 172](#) (~30 years old). It houses several irradiation sources including the ^{60}Co source of CC60

[DB ENTRY](#)[CALLAB WEBSITE](#)

CC60

The CC60 facility, located in the same building as CALLAB, uses a ^{60}Co for the qualification of components againts TID effects.

[DB ENTRY](#)[CC60 WEBSITE](#)

The Very energetic Electron facility for Space Planetary Exploration missions in harsh Radiative environments, situated in CTF3, is a high energy electron beamline for radiation testing.

[DB ENTRY](#)[VESPER WEBSITE](#)

X-Ray Facilities

At CERN there are many X-ray irradiation facilities which are included in the database. Please click on the button to view a full list of the X-ray facilities at CERN.

[X-Ray FACILITIES LIST](#)

Facilities Database

This database contains a list of several different Irradiation Facilities available at CERN, in Europe and Worldwide.

To show whole database, click on "Show Data".

To search by Country, Source Type, or Radiation Field select your filter in the dropdown menu.

If you would like to add a new facility, please first log in and then click on "Add Facility".

You can only modify the facilities that you are responsible for.

For further details please check our [User Guide](#).

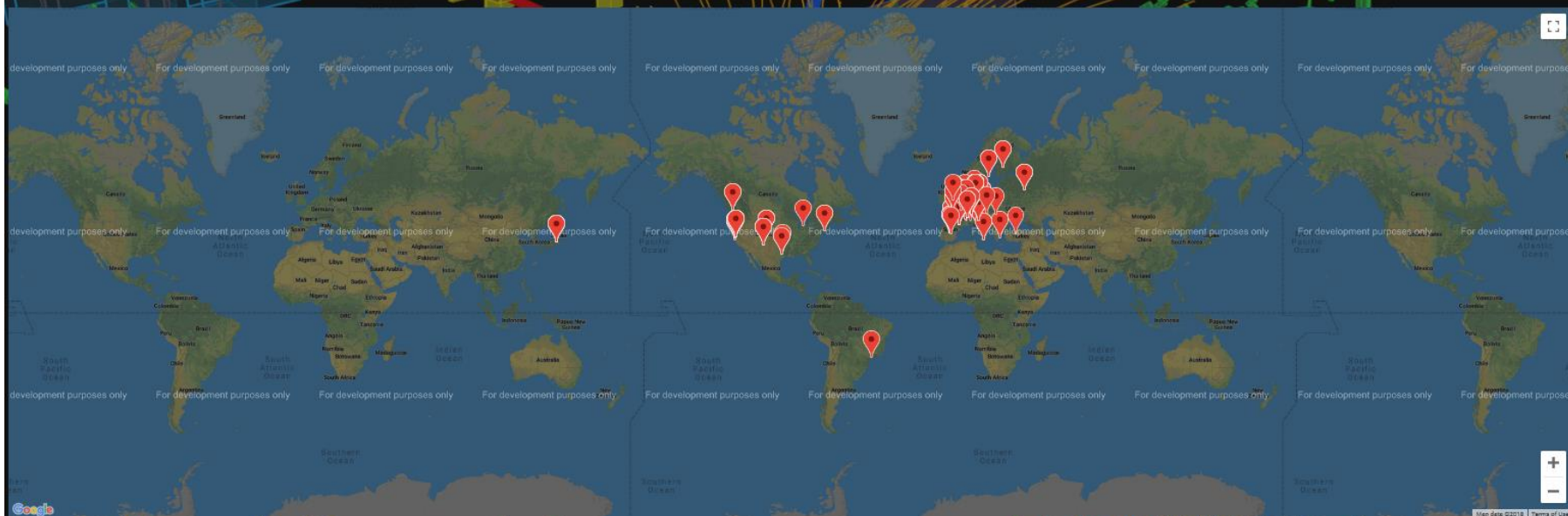
Search by Country: France
Search by Source Type: All
Search by Radiation Field/Type: Proton

Show Data

Log In to Edit Data

Details	Institute Name	Country	Facility Name	Source Type	Radiation Field/Type	Funding Details
	CERN	France	HIRadMat	Synchrotron	Proton	FP7 Transnational Access
	INSTITUT DE PHYSIQUE NUCLÉAIRE D'ORSAY - IPN	France	PROTON facility	Tandem VdG 15 MV	Proton	
	THE FRENCH AEROSPACE LAB (ONERA)	France	Proton facility MIRAGE, SEMIRAMIS target chambers (under vacuum)		Proton	
	TRAD	France	SWiPI	Ion Gun	Proton	
	TRAD	FRANCE	SWiPI	Ion Gun	Proton	
	TRAD Test & Radiations	France	SWiPI	Ion Gun	Proton	

FACILITIES WORLDWIDE



DESY

From: Marcel Stanitzki <marcel.stanitzki@desy.de>
Subject: [testbeam-info] REMINDER : Call for DESY Test Beam in 2019 (Jan-Jul)
Date: 20 , September 2018 at 09:20:38 CEST
To: <testbeam-info@desy.de>
Cc: "R.Diener/N.Meyners/M.Stanitzki (cc N.Potylitsina-Kube)" <testbeam-coor@DESY.de>
Reply-To: <testbeam-coor@desy.de>

Dear all

Just a quick reminder, as the deadline is approaching

Best wishes

The DESY II test beam coordinators

Ralf Diener, Norbert Meyners, Marcel Stanitzki

Dear colleagues,

we would like to announce the currently planned schedule for the DESY II Test Beam Facility in 2019. The DESY test beam will resume operation after a short winter shutdown end of January, 28th 2019 and is scheduled to run until December, 20th 2019 with a currently planned two-week summer shutdown from July, 29th till August, 11th.

We currently plan to provide permanently installed pixel beam telescopes in all three beam lines.

With this mail we would like to inform you, that we are now taking applications for beam time from the start until the summer shutdown end of July.

If you are planning to make use of the test beam in this period, please apply till 21/September/2018.

Please provide the following information to testbeam-coor@desy.de:

- project name and short description
- responsible person
- participating groups
- number of requested weeks
- preferred month(s)
- required infrastructure (beam telescope, magnetic field, gas, stages)
- irradiated samples (please see http://particle-physics.desy.de/sites/site_particle-physics/content/e252106/e252307/e266456/Leaflet-BringingIrradiatedSamplesToDESY_ger.pdf?preview=preview)

As usual, we will accept requests at a later date and allocate available slots on a first-come first-serve basis.

You can find further information on the DESY II Test Beam Facility on <http://testbeam.desy.de>

We'd like to point out, that using additional time for preparatory work during e.g. machine development weeks or other free time slots needs to be explicitly requested in order to minimize conflicts with other activities.

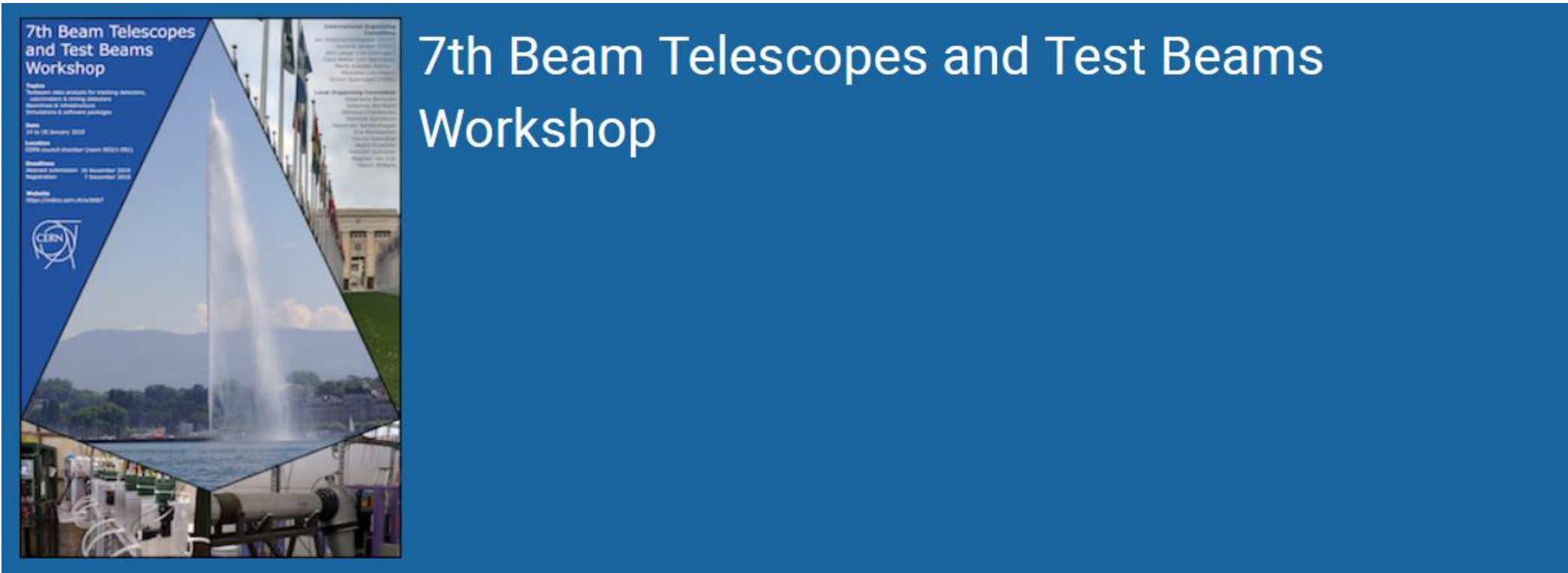
The DESY II test beam coordinators

Ralf Diener, Norbert Meyners, Marcel Stanitzki

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Beam Telescope And Test Beams Workshop



7th Beam Telescopes and Test Beams Workshop

14-18 January 2019
CERN
Europe/Zurich timezone

Search...

<https://indico.cern.ch/event/731649/overview>

The registration is open until December 7 (submission for abstract closed on Nov.16)

Next RD51 Test Beam... Spring 2021