

The semester 2021/II will start on August 24, 2021 with a Multi Bunch (MB) week and will end on December 19, 2021 (week 34 - 50). It comprises 12 weeks of Multi Bunch, 1 week of Single Bunch, and 1 week of low-alpha. Please find the [Operation Schedule](#) online.

In case of any question, suggestions or problems, please do not hesitate to contact us or our beamline or station scientists. Please find the contact data [here](#).

Please find the most relevant information on the recent call below.

New beamlines and experimental stations in user operation

EMIL@BESSY

The PINK@EMIL endstation will be open to general users for the first time. Non-resonant XES measurements of solid samples at room temperature using the PINK beam and both (atmospheric and vacuum) spectrometers using incident photon energies of 3.0 to 9.5 keV and spectrometer energies of 2.1 to 9.0 keV will be possible. Please contact Sergey Peredkov (sergey.peredkov@cec.mpg.de) to discuss experimental details prior proposal submission.

The soft X-ray branch of the Energy Materials In-situ Laboratory Berlin (EMIL) is fully operational and is available to the general user community for performing experiments at CAT and Sissy. In addition, standard (AP-)HAXPES measurements at fixed photon energies up to 6 keV will be possible; thus, experiments exploiting both energy regimes will be preferred in beamtime allocation. Please contact Marcus Bär (marcus.baer@helmholtz-berlin.de) for Sissy@EMIL and Axel Knop-Gericke (knop@fhi-berlin.mpg.de) for CAT@EMIL for more details.

In addition, it is possible to use off-line and preparation tools within the EMIL laboratory. More information can be found on the [EMIL webpage](#).

PEAXIS

At PEAXIS, a new detector will be mounted at the RIXS spectrometer during the summer shutdown and hopefully will be operational after a decent commissioning time in 2021/II. Please find more details on [PEAXIS](#) and contact the station scientists Deniz Wong (deniz.wong@helmholtz-berlin.de) or Maciej Bartkowiak (maciej.bartkowiak@helmholtz-berlin.de) if you are interested in using PEAXIS.

UE112_PGM-1

The refurbishment of the [UE112_PGM-1](#) hosting the [meV-RIXS](#) (20eV to 500eV) and an open port is completed and the instruments are in friendly user operation. The energy resolution is not yet optimal but we are confident that the instrument will be fine adjusted after the commissioning in 2021/I. Please contact Karl Bauer (karl.bauer@helmholtz-berlin.de) if you are interested in using the meV-RIXS station or the open port at UE112_PGM-1.

Beamlines and stations with limited availability

BEIChem

Unfortunately, the laboratory of the Berlin Joint Lab for Electrochemical Interfaces (BEIChem) will not be installed in the next summer shutdown. Hence, the BEIChem-PGM beamline will only be available for cooperation projects in the up-coming semester.

KMC-1

50% of beamtime at KMC-1 will be used by the new experimental setup for BEIChem. The SpAnTeX-endstation will be open to general users for the first time, offering NEXAFS, EXAFS and XPS at room temperature using incident photon energies from 2 to 12 keV. Please contact David Starr (david.starr@helmholtz-berlin.de) for more details. The time available for users (at, e.g. HiKE endstation) will be significantly limited.

U49/2 PGM-1

At the U49/2 PGM-1 the beam availability will be reduced to 12h/d in order to allow for commissioning of the adjacent U49/2 PGM-2, which is being set up until next summer.

Remote access

The worldwide pandemic of the new corona virus has accelerated the remote access activities at BESSY II. There are different options of remote activities: “reduced experimental team” (the rest of the team may be available via videoconferences), “staff assisted” measurements performed by the BESSY II staff (with sample mail-in) or “fully remote access” where you control the experiment from abroad (also with sample mail-in). Please discuss the possibility of mail-in service and remote access with the respective beamline scientist and/or station manager. The decision if a remote access measurement is possible lies with the beamline scientist and/or station manager. For general questions concerning remote access please contact Florian Staier (florian.staier@helmholtz-berlin.de)

Radiation Safety Requirements

Since May 2020, most of the experiment hall of BESSY II (i.e. the area outside the outer shielding walls) is not a controlled area but a monitored area. Therefore, you only need to submit your SSR number (PDF certificate from BfS) and wear a personal albedo dosimeter provided by our radiation safety office. IRIS and THz beamline remain a radiologically controlled area where more stringent radiation safety requirements apply. For more details please read the Radiation Safety requirements pages: [Radiation Safety](#)

HZB CoreLab Instruments available in Adlershof and Wannsee

HZB offers a broad variety of off-line tools in the field of X-ray diffraction and microscopy as well as instruments and methods for the synthesis and the investigation of new energy materials. Our X-ray CoreLab is equipped with several advanced diffractometers, suitable for the analysis of powder materials and thin films, also in-situ at high temperatures. Latest-generation electron, scanning electron and ion microscopes are available at the CoreLab CCMS. The QM CoreLab for Quantum Materials offers various instruments for sample preparation, phase analysis and single crystal growth as well as equipment to measure a wide range of physical properties. For more information please visit [HZB CoreLabs](#).

General Travel Support

In the framework of the European Project CALIPSOplus we are able to provide support for two scientists per proposal at BESSY II until October 31, 2021. Please find the general support regulations and the possible eligibility for funding in “Travel & Subsistence Support” on our [webpage](#). Arrangements for travel support have to be cleared prior to undertaking the trip. Please note the option to transfer standardized proposals for beamtime submitted via the wayforlight portal into the GATE system: <http://wayforlight.eu/en/users/spf/>