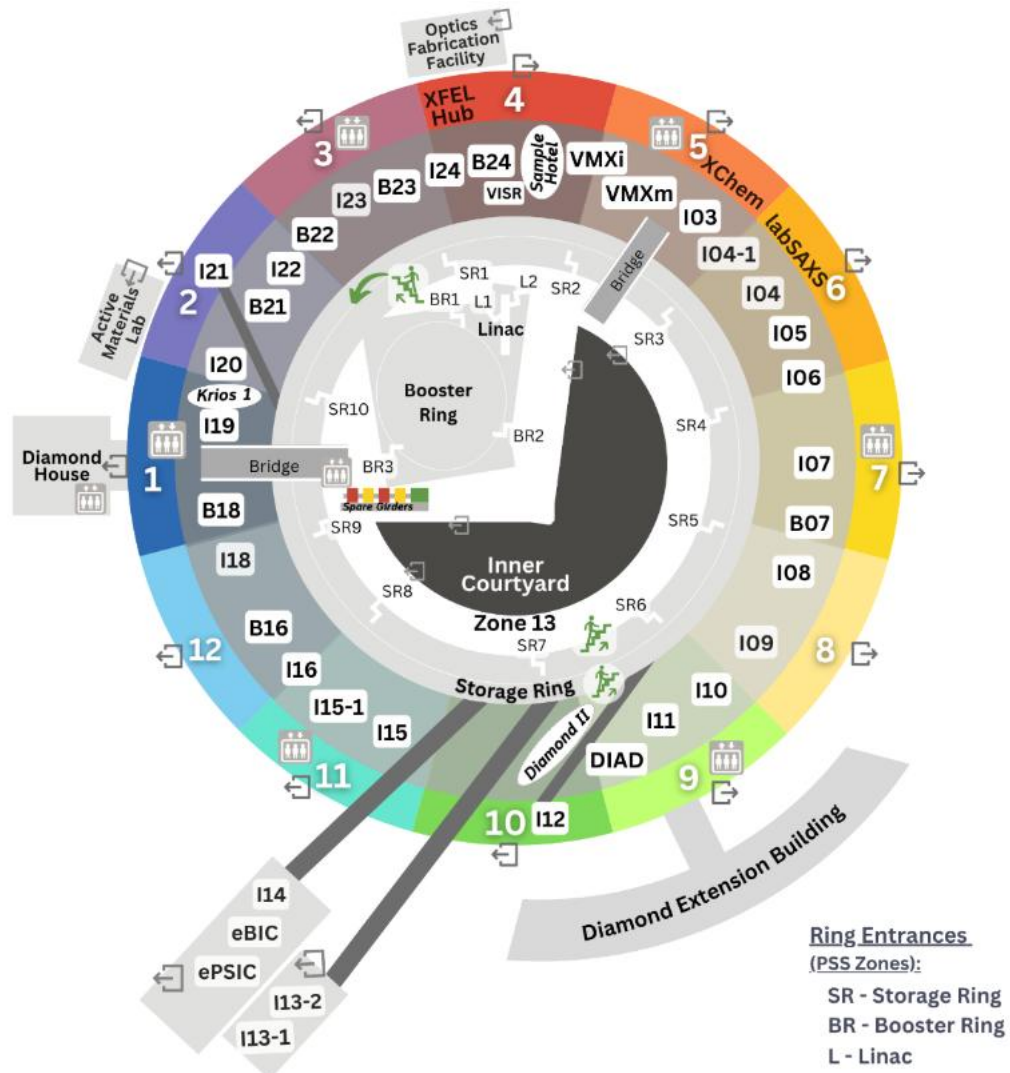


Welcome to Beamline I07

Location

The beamline is located on the ground floor of the synchrotron building in Zone 07.



Parking

Parking is normally available around the ring but a designated space close to the entrance of Zone 07 can be prebooked if needed. Please let your beamline local contact know if you require this space reserved for you, as well as your intended dates on site, no later than 15 days before your first scheduled day with us.

7 (b) is an ordinary space and 7 (a) has driver's side access space denoted by the hatched lines.

There is a dropped curb from the road and a straight paved pathway to the door.



Access to the beamline

There are two possible ways to access to the beamline.

A) Zone 7 entrance door (ground floor)

The Zone 7 entrance door is located closest to the beamline.

You will need to present your valid badge to the sensor to release the door. This will cause the light to flash on the card reader and a beeping sound. (The door will become locked if not opened six seconds after presenting your access card at the reader, which is signified by the card reader no longer beeping or flashing.)

The door is 76 cm wide and a pull to open door and can be heavy to open with one hand.



Once through the door, you will find stairs to the first floor on the left, where refreshment facilities are located. An accessible toilet is located to your left. There is a lift on the right which also gives access to the first floor. To access to the experimental ring there is another power assisted door straight ahead, of 90 cm width which can be opened by pressing the power assist button. As you come through this door you will find a safety rail located 96 cm from the door. I07 is straight ahead of you.

B) Entrance by Diamond House building (first floor)

Entry into the synchrotron building can also be made via the covered bridge between Diamond House and the synchrotron building.

Once through the three sets of doors, you can continue along the top level towards Zone 7, by turning either left or right. On reaching Zone 7 you will find a set of stairs and a lift to bring you down to the Experimental Hall floor.

A last set of doors with a power assisted button give access to the experimental hall floor. You will see the beamline in front of you.



C) Exit the Synchrotron building

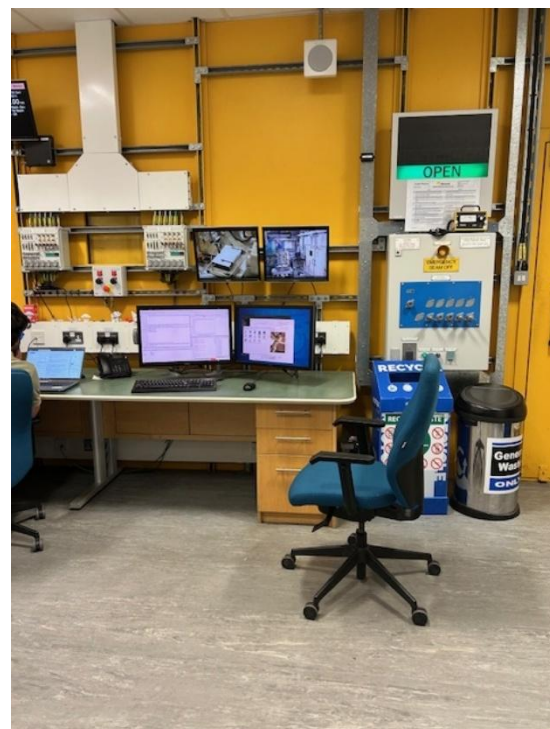
To exit outside by any door, you need to have your access card with you and the sensors will detect its presence. For the Zone doors, you may need to press a green dome button to unlock the doors. Push to exit.

User's time at the beamline

Control cabin

Entry to I07 is via a blue door which is 86 cm wide with ability to extend a further 50 cm. There are no door lips or steps. This gives entry to the control cabin from which Users can view the experimental data. There are fixed desks and adjustable office chairs. This is a large area with good room for access.

Food and drinks may be consumed in here. There is a kitchen situated in the floor above. Noise cancelling devices and headphones are not permissible as there are auditory alarms in operation.



The experimental hutches

Experimental hutches 1 and 2 are located next to each other and can be accessed from the experimental hall floor. Experimental hutch 2 can also be accessed from the control cabin. There are lips on the doors at floor level.

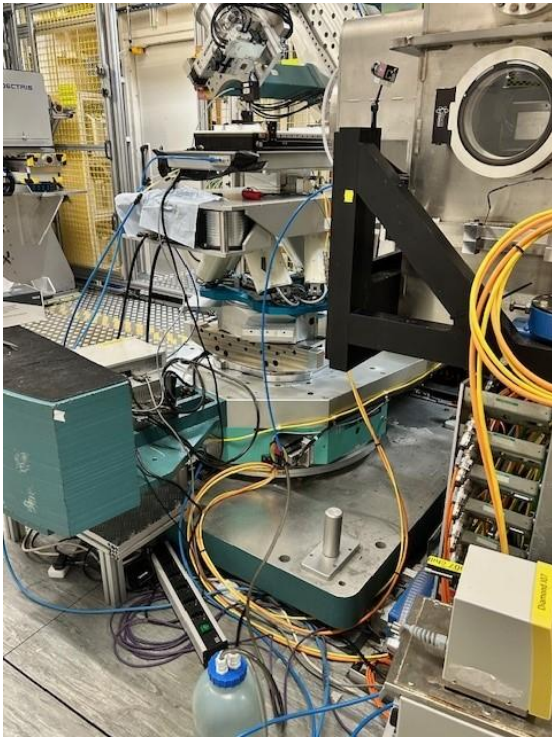


Experimental hutch 1

This instrument is located in a large room with a number of steps. Sample mounting requires users to climb up onto a platform and lean into the machine to reach the beamline trough which is located approximately 120 cm high.

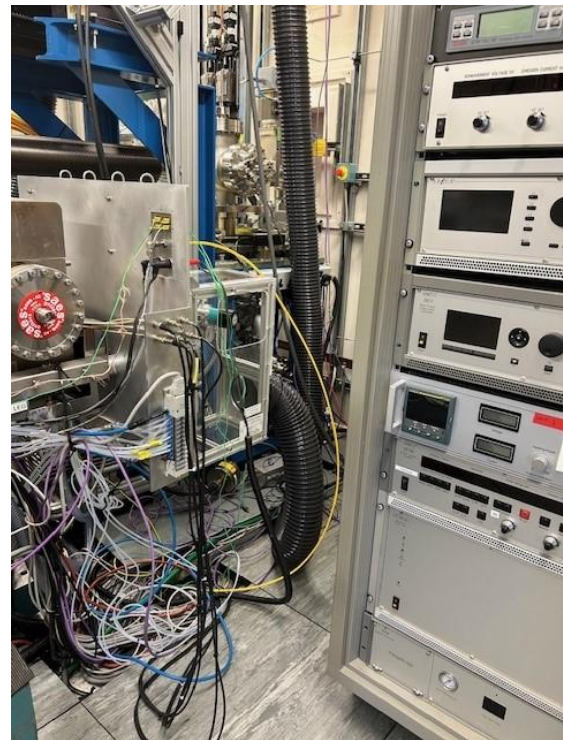
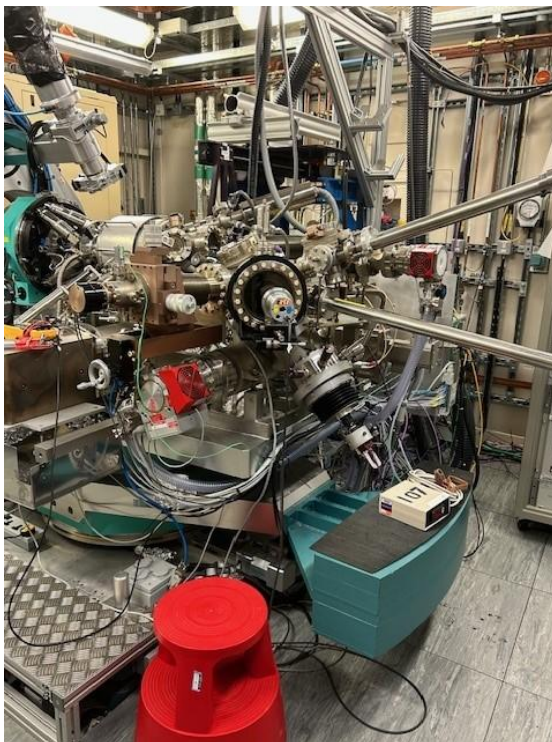
In order to carry out the search process, users will need to access through the cage and round to the back of the room. There are two steps and at the narrowest point the access is 54 cm wide.





Experimental hutch 2

Experimental hutch 2 is shown below. Samples are generally loaded by beamline staff. Users may have to access the area behind the instrument to adjust the gas controls. These are at a height of approximately 1m from the floor and there is a narrow gap to navigate of around 32 cm.



Laboratory spaces

You may require lab space during your visit to I07. Please ensure that you have discussed any access or adaptations you may require in advance with your Diamond local contact or the User Office and we can work with you to ensure that you have in place what you may need.

Please note that due to lead and concrete shielding, there are many areas in Diamond that have poor mobile network coverage. If you have difficulties using desk phones, or reduced mobility that you feel may hinder your ability make a call from a desk phone in an emergency, please let us know and we can either provide a wi-fi phone or help you setup your own device to make calls over our network connection, if this is possible.