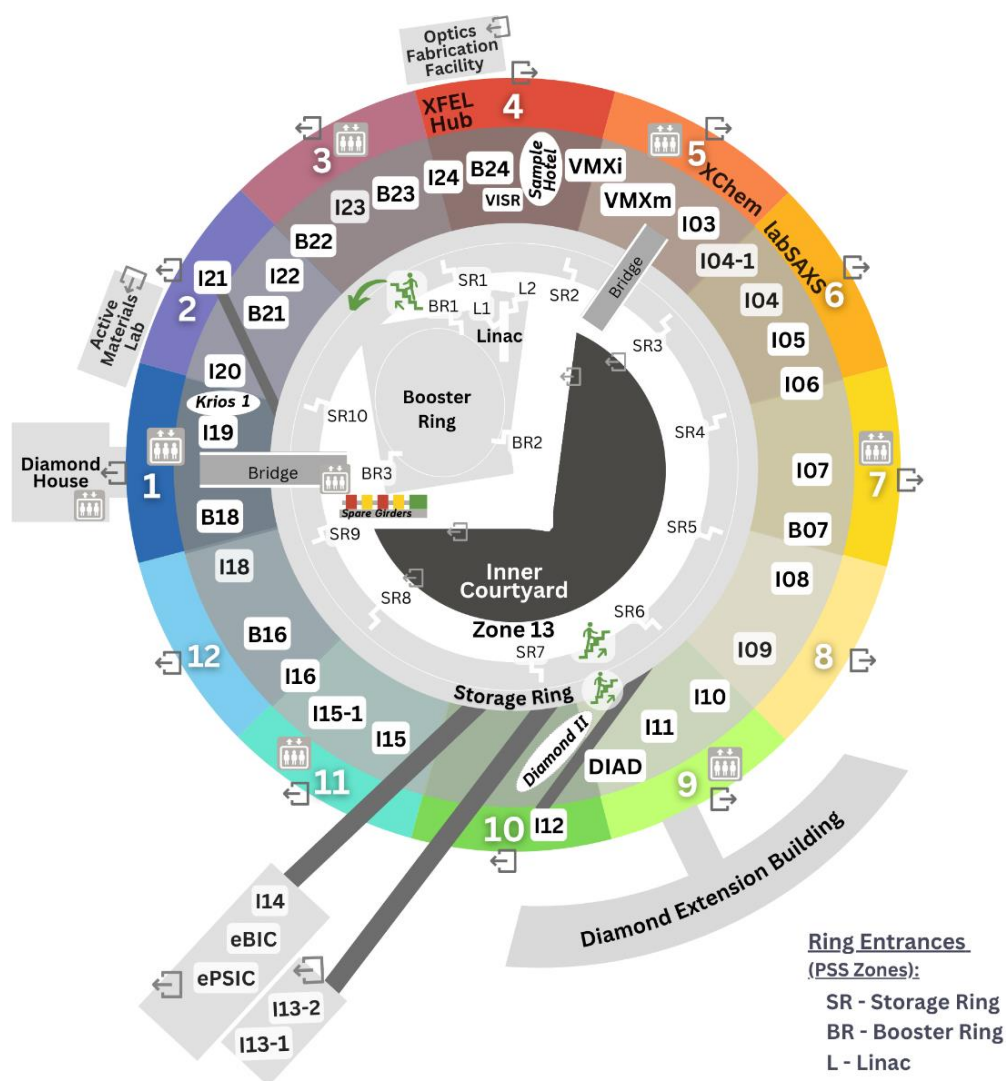


Welcome to Beamline B07

Location

The beamline is located at 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 prebook 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 you will hear a beeping sound. (The door will lock if not opened within six seconds, which is signified by the card reader no longer beeping or flashing.)

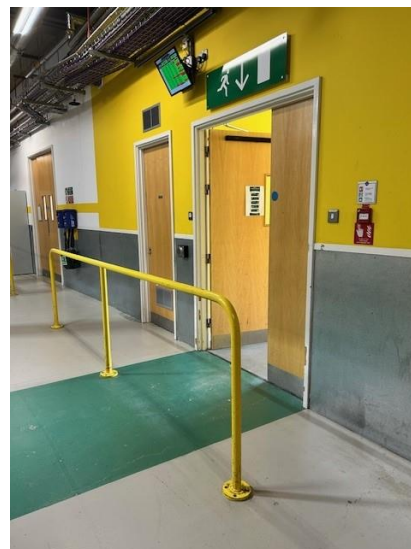
The door is 76 cm wide and a pull to open door and can be heavy to open with one hand.



Once through the door, you will find stairs on the left to the first floor, 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, which is 90 cm wide which is 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. Turn left to find B07

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 will find stairs and a lift to the ground floor, where the beamlines are located. At the bottom of the stairs/lift, a last set of doors with power assisted button give access to the experimental hall floor. You will need to make your way to Zone 7 by turning right or left. It is approximately a 10 minute walk; B07 is exactly half way around the ring, opposite the bridge.



C) Exit the Synchrotron building

To exit outside by any door, you need present your access card. For the Zone doors, after swiping your badge you will need to press a green dome button to unlock the doors.

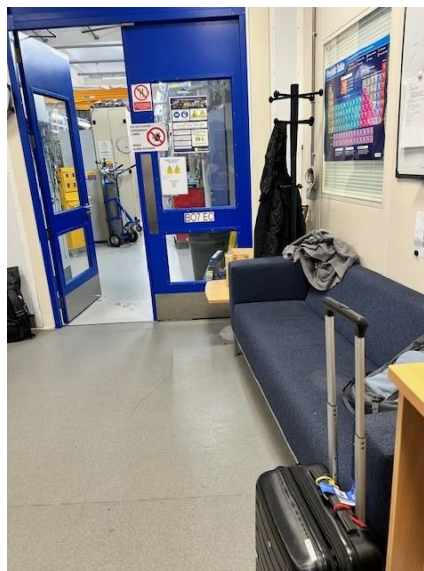
User's time at the beamline

Control cabin CC2

Entry to B07 is via blue double doors which are 86 cm wide. There are no door lips or steps. This gives entry to CC2 the control cabin for Branch C.

There are fixed desks and adjustable office chairs. This is a large area with good room for access. There is also a small sofa.

Food and drinks may be consumed in here. However, noise cancelling devices and headphones are not permissible as there are auditory alarms in operation.



To the left is the sample prep lab

This is a large room accessed through a door 86 cm wide. There are lab benches at a fixed height of 90 cm with adjustable chairs. There is some storage at head height. There is good room around the area for access.



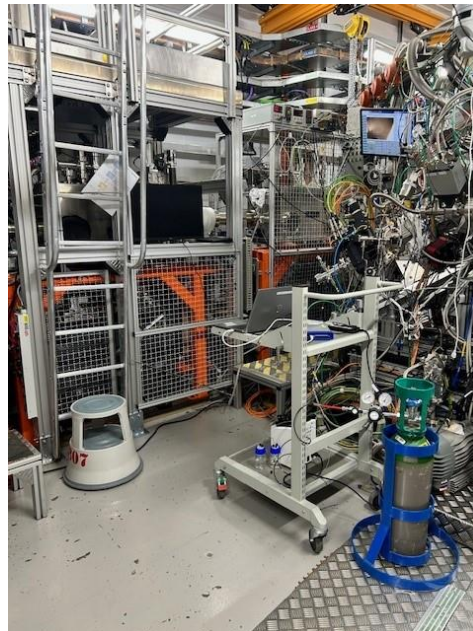
The experimental cabin

The door to the experimental cabin is through a door 85 cm wide. Both doors can be opened to double the width. There are no steps or door lips.



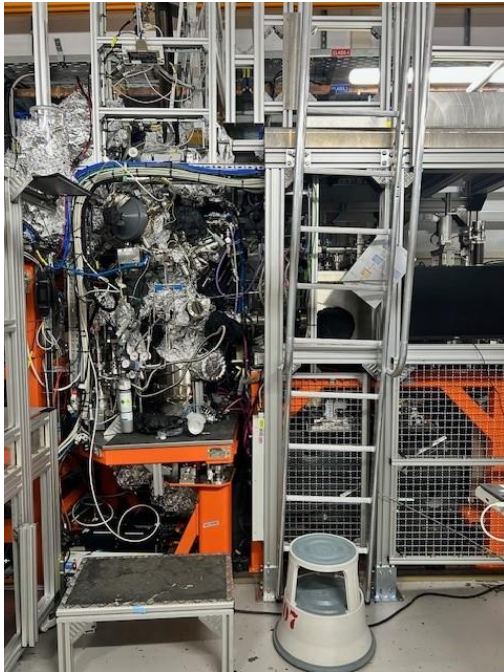
C Branch

This instrument is located towards the back of the room. There is a small step up and down in order to access the sample loading area and users will need to be able to lean in to load samples.



The other part of the room contains Branch B.

To reach the sample loading at end station 1 there is a ladder and step but this is generally accessed by beamline staff.



At end station 2 there is a sample loading area which is accessed via a step and there is no handrail available. (see below)



Control Cabin CC1

Next to the experimental cabin you will find the control cabin for Branch B. This is a small room with fixed desks and monitors and with adjustable office chairs.



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.