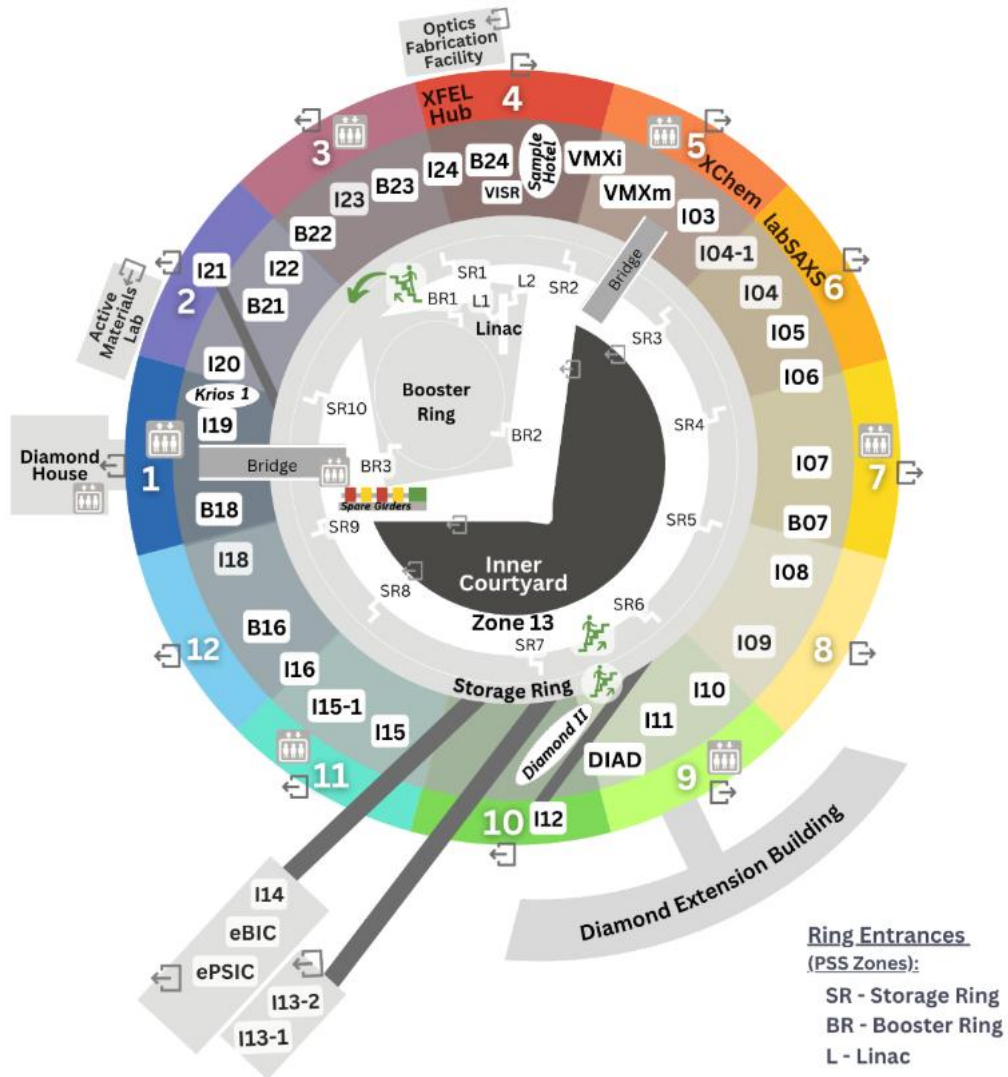


Welcome to Beamline I24

Location

The beamline is located at the ground floor of the synchrotron building in Zone 04.



Parking

Parking is normally available at the visitor parking but a designated space close to the entrance of Zone 04 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.

4 (b) is an ordinary space and 4 (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 4 entrance door (ground floor)

The Zone 4 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. An accessible toilet is located to your right. 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. Turn right to find I24.

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 4 by turning left.



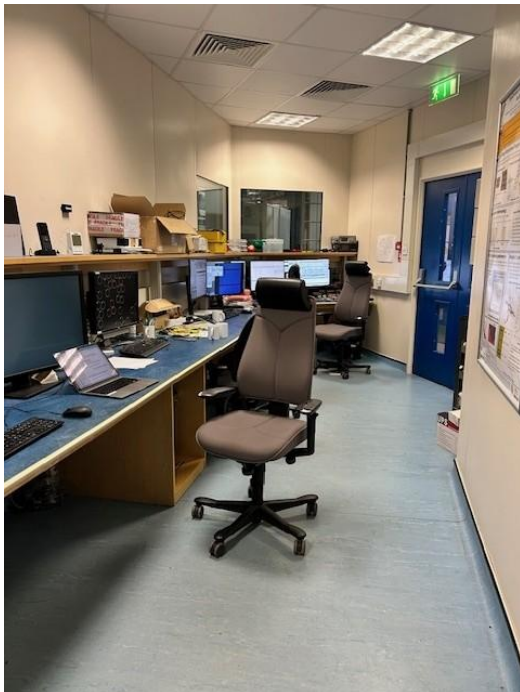
C) Exit the Synchrotron building

To exit outside by any door, you need your access card. Once in the proximity, the zone doors should be able to detect the presence of your security pass and the green light on the indicator panel will be shown. You can also tap your pass on the panel. Push the door to exit.

User's time at the beamline

Beamline control cabin

Entry to I24 is via the blue door which is 86 cm wide. This brings you into the beamline control cabin. This is a large room with good access. It has workstations and regular office chairs which can be adjusted for height.



The preparation room

There is a small antechamber sample preparation area. This has a single-width access door with no steps. It is here where the Dewars are loaded.



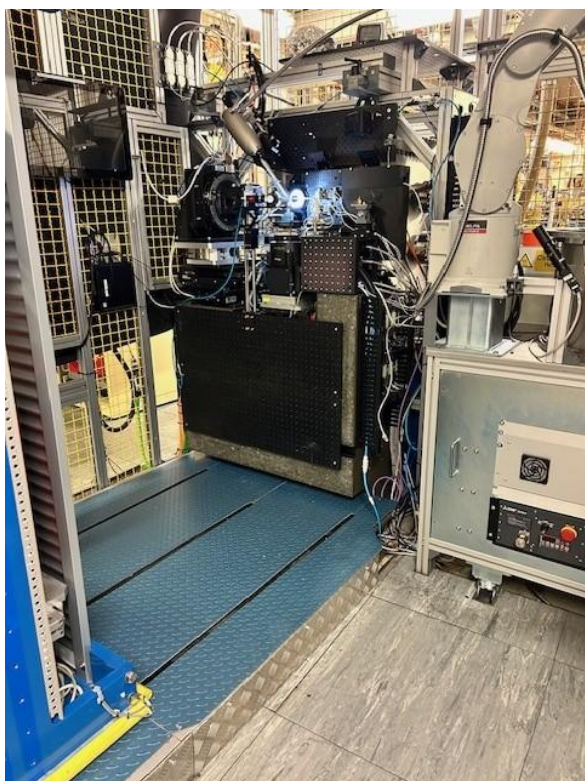
The experimental hutch

The experimental hutch is a radiation hutch and has a small lip on the door. Users may load their own samples and make adjustments. This equipment is at chest height.

Alternatively, the robot arm can be used to load samples. In this case sample holders (pucks) are loaded into a small foam Dewar in the sample prep room.

Pucks are then transferred to the robot Dewar, this requires lifting the pucks to chest height (approximately 125 cm).





Lab 18

Users may also access this laboratory for sample preparation. It is a large room with standard laboratory equipment. Benches are approximately 93 cm in height with adjustable 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.