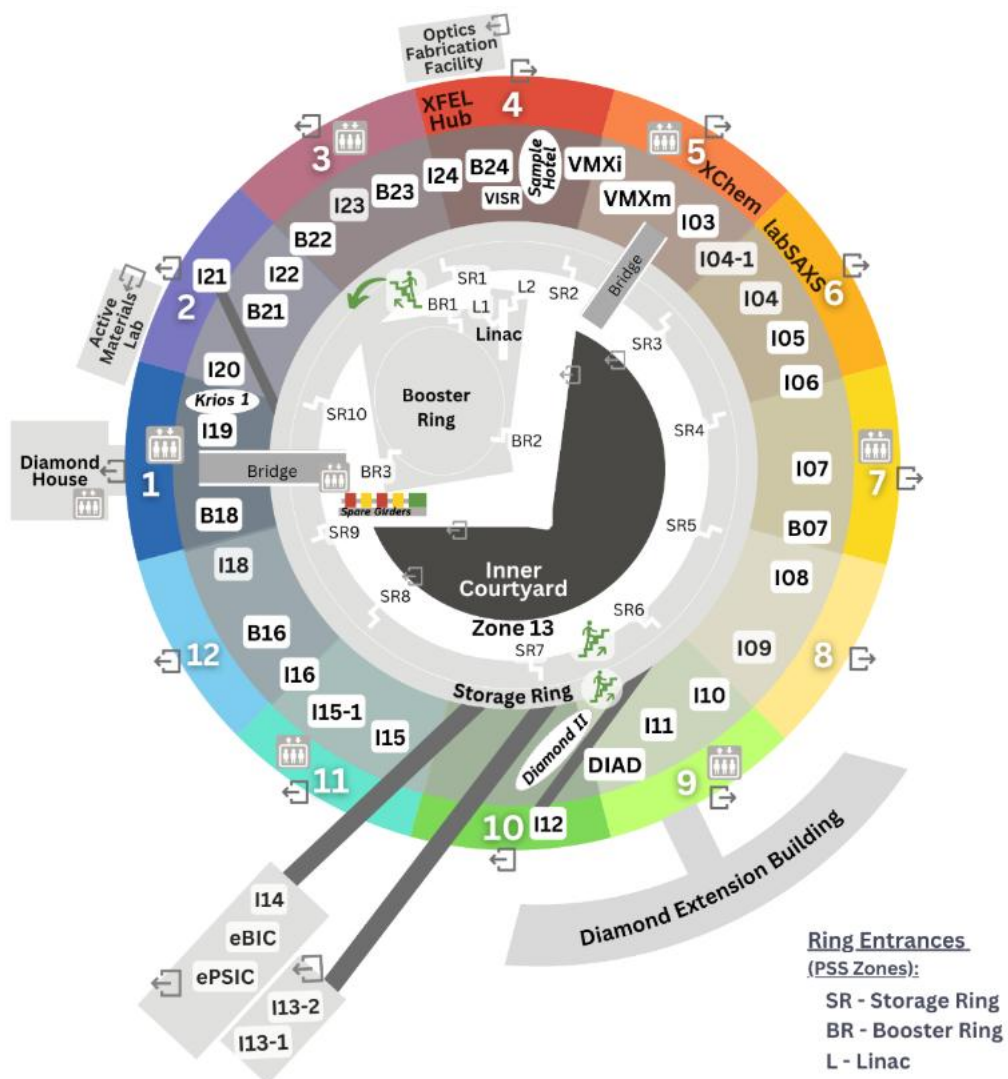


## Welcome to Beamline I04

### Location

The beamline is located at the ground floor of the synchrotron building in between Zones 5 and 6.



## Parking

Parking is normally available around the ring but a designated space close to the entrance of Zone 06 or 05 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.

6 (a) is an ordinary space and 6 (b) has driver's side access space.

5 (a) is an ordinary space and 5 (b) has driver's side access space.

There is a dropped curb from the road to the pathway.



## Access to the beamline

There are two possible ways to access to the beamline.

### **A) Zone 5 or Zone 6 Entrance door (ground floor)**

The Zone 5 and Zone 6 entrance doors are located close to the Beamline.

You will need to present your valid badge to the sensor on the pillar to release the door. This will cause the light to flash and a beeping sound. (The door will become locked if not opened 6 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, where refreshment facilities are located. An accessible toilet is located to your left. 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.

In Zone 5 there is also a lift located here which can be used to access the first floor kitchen area.

Turn left from Zone 5 or right from Zone 6 to find I04.

### **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 set of three 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.

Once through this door there is a safety rail straight ahead positioned 96 cm from the door.

### **C) Exit the Synchrotron building**

To exit outside by any door, you need to present your access card. The Zone doors should be able to detect the proximity of your access card and the green indicator light will show on the small panel to the right. You can also tap your card against this panel. You will then be able to exit by pushing the door.

## User's time at the beamline

### Beamline control cabin

The control room is the main area used by the users. The door is 86 cm wide and step free. This is a large room with good access. It has workstations and office style chairs which are adjustable.



### Sample preparation area



Users may use the sample preparation area. This consists of a fixed lab bench with an adjustable chair.

## The experimental hutch

Sample loading and instrument adjustments are carried out by beamline staff. Users will often want to view the experimental hutch and staff are happy to conduct visits. Access into the area is restrictive. There is a small lip on the floor of the cabin. There is a large metal frame positioned directly in front of the door, and access is made on either side of this frame. The two narrowest points are shown in the photographs below and are 79 cm and 88 cm respectively.



**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.**