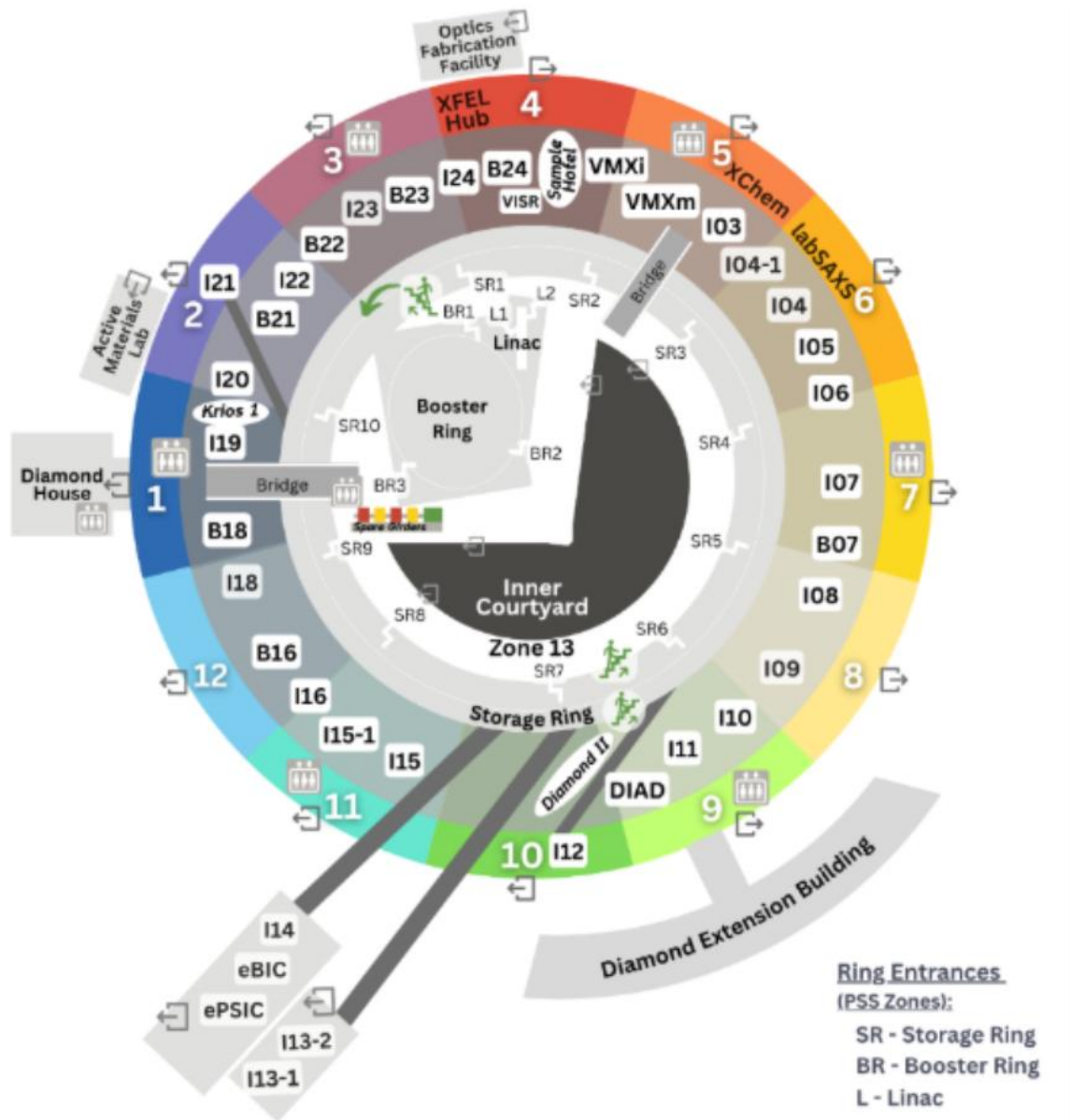


# Welcome to Beamline I16

## Location

The beamline is located at the ground floor of the synchrotron building in Zone 11.



## Parking

Parking is normally available in the general visitor parking but a designated space close to the entrance of Zone 11 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.



11b is a space available for reservation.

There is a dropped curb from the road to the pathway and a slight slope down toward the building.

## Access to the beamline

There are two possible ways to access to the beamline.

### **A) Zone 11 Entrance door (ground floor)**



The Zone 11 entrance door is located close 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, 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 of 90cm width which can be opened by pressing the power assist button.

Once through this door there is a safety rail straight ahead positioned 96cm from the door. You will turn left to find I16.

#### Zone 12 entrance door

Alternatively, you can access using the door for Zone 12, the beamline will be located on your right.

#### **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, turn right and proceed to Zone 11. You will then find a lift and stairs which will bring you 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.

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

To exit outside by any door, you need present your access card. The zone doors should detect the presence of the card and the light on the panel will turn green. Alternatively try tapping the panel with your card. For some zone doors you will need to press a dome button to release the doors. Push to open. The doors are heavy.

## User's time at the beamline

During experiments users have access to the control room, the experimental cabins, and a laboratory for sample preparation.

### Control room CC3



This is the room from which users can control and review the data. It is a large room with good access space.

The door is step free and 85 cm wide. There are standard non-adjustable desks and adjustable office chairs.

Drinks and snacks are allowed in this room, and there is a kitchen available in Zone 11 on the 1<sup>st</sup> floor.

### Experimental Hutch

The door to the radiation hutch has a lip as well as double door access on the other side.



Users may need to gain access around both sides of the machine and in order to carry out the search procedure.

To load samples, it may be necessary to reach up to around shoulder height and lean forward towards the machine with an arm extended. There is a block step platform to aid this. There is no handrail.



In order to carry out the search procedure it is necessary to navigate the step and narrow area (with a width of approximately 75cm wide) shown above.

Users are advised that a good level of mobility is needed to carry out the search procedure.

### **c) Lab 84**

A lab is available to users for prep work. There are standard height lab benches (approximately 90 cm high) and chairs.



Desk phones are available in the hutch that can be used to make internal calls to the experimental hall coordinators/ other likely calls a user needs to make and emergency calls.

**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.**