

User guide, general, May-06

This guide is provided to help users plan for their radiation effects tests at IUCF. Users are encouraged to communicate open questions and special requirements to B. von Przewoski (bvonprze@indiana.edu) (812) 855 2913)



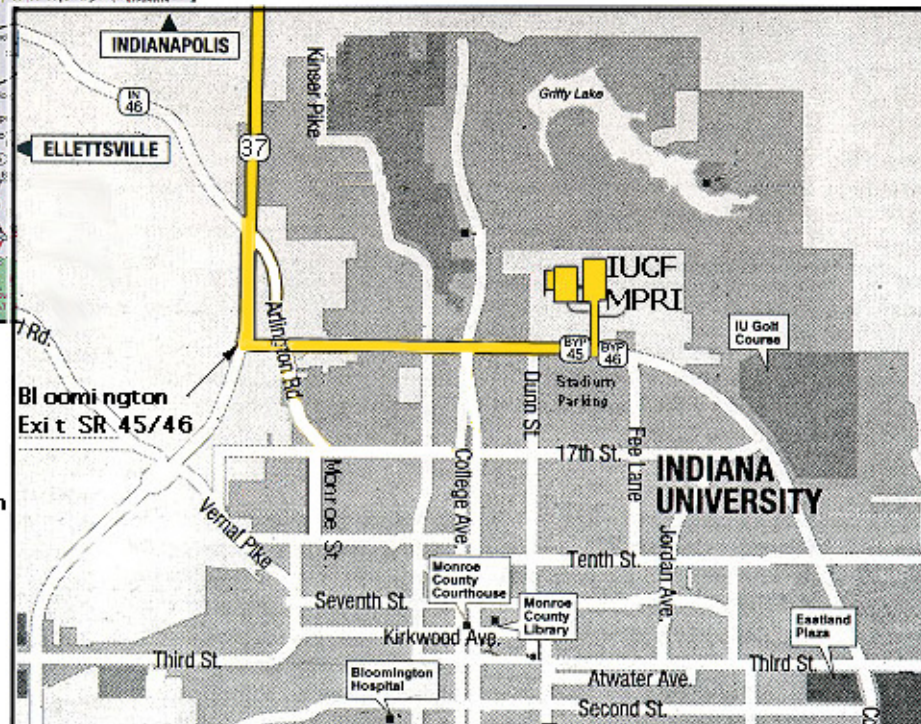
How to get to IUCF

IUCF is located in Bloomington, about an hour's drive south of Indianapolis, IN

To get there from the airport just follow SR 37 south from I 465 to SR 45/46

IUCF

2401 Milo B. Samson Ln
Bloomington, IN
47408



Shipping and storage of activated parts

Please arrange shipping of your equipment both to and from IUCF. Generally, irradiation at low levels does not sufficiently activate test items so that they have to be held for more than overnight before they can be removed from IUCF. However, the radiation safety officer, Charles Nelson (E-mail nelson@iucf.indiana.edu, phone (812) 855-6054), has to survey all irradiated items before they can be removed. If necessary, parts may be held until they have cooled off to levels that allow shipment.

Radiation safety

There is a site specific radiation and general safety briefing that everyone who has not tested at IUCF before will have to receive. Plan on spending about 1/2h with our radiation safety officer to undergo this training session. You will also have to read about three pages of instructions and sign a form that you have done so.

Irradiation of materials with high energy protons make them radioactive. In planning for your tests, several considerations should be kept in mind to minimize long term activation. Put as little material in the proton beam as possible and use low atomic number materials. Use no powders or pastes which can be activated and spread about easily. In particular, silicon heat sink paste is not allowed. Use something like a soft copper foil to make a good thermal contact between a part and the heat sink.

A place to stay

Special discount rates are available for cyclotron users at the Hampton Inn (about 1 mi from the cyclotron). In order to reserve rooms at the Hampton Inn at \$69/night please contact our travel coordinator Moya Wright (e-mail: moywrigh@indiana.edu, phone: 812-855-5466).

For international customers

Since all imported equipment has to pass US customs, we recommend that you ship at least ten day prior to your test in order to ensure that the equipment arrives at IUCF in time for your scheduled irradiations. Please contact Teresa Jones (E-mail: jonestd@indiana.edu, phone (812) 855-0485) for details.

Our website: <http://www.iucf.indiana.edu/rerp>