

Training and Development:

During FY2003, there were 36 graduate students associated with work at IUCF, including research in nuclear (in both the Departments of Physics and Chemistry), accelerator, plasma, and medical physics. During this year, there were 10 people on post-doctoral appointments with a similarly wide distribution.

There were five Ph.D. degrees awarded during FY2003 for work done under the auspices of the Indiana University Cyclotron Facility.

Student: Sarah Cousineau

Advisor: Shyh Yuan Lee

Thesis date: February 2003

Thesis title: Understanding Space Charge and Controlling Beam Loss in High Intensity Synchrotrons.

Present employment: Oak Ridge National Laboratory

Student: Weiming Guo

Advisor: Shyh Yuan Lee

Thesis date: August 2003

Thesis title: Quadrupole Mode Perturbation in Storage Rings.

Present employment: Argonne National Laboratory

Student: Vahid Ranjbar

Advisor: Shyh Yuan Lee

Thesis date: November 2002

Thesis title: Increasing Proton Polarization in AGS and RHIC

Present employment: Fermi National Laboratory

Student: Dennis Stoller

Advisor: Robert Pollock

Thesis date: November 2002

Thesis title: Measurements of Transverse Particle Distributions in a cooled proton beam.

Present employment: Comp. Company

Student: Yunkai Zhang

Advisor: Shyh Yuan Lee

Thesis date: August 2003

Thesis title: Optical Stochastic Cooling and Electron Beam Modulation in Electron Cooling.

Present employment: Rush Medical Center

Outreach Activities:

The laboratory is made available for tours whenever the running schedule allows. A large fraction of these tours involve classes from public schools in southern Indiana, as well as various local civic groups. We view this as an opportunity for the public to see the facilities available at the Cyclotron Facility and to be aware of the role we play in the community.