Exploring Ideas for a Collaborative Education/Outreach Program

General INPAC Meeting
Berkeley, California
May 4–6, 2007
Program Goals

- Increase participation of under-represented groups in nuclear and particle astrophysics and cosmology
- Foster education in these fields
- Foster academic–industry partnerships
- Help to prepare a well-informed citizenry
Increase Diversity at the Graduate Level

- Offer online graduate seminars
  - Invite HSI/MSI and community colleges to participate
- Deliver graduate courses via the web
  - Extend and enrich advanced learning opportunities at institutions with limited graduate programs, e.g., UC Merced
Make Science Accessible to a Broader Audience

- INPAC-moderated online forum
  - Ask a Scientist
  - View a movie
  - Provide links to quality online resources

- Participate in “Understanding Science” (NSF-funded project)
  - Develop astrophysics/cosmology content for web-based resource targeting K–12 teachers and general public
Engage Students in the Lab

- Pilot summer internship program for undergraduates
  - Advertise at MSI and community colleges
  - Advertise through organizations serving under-represented groups (e.g., Hispanic Scholarship Fund)
  - Provide ongoing mentorship via the web
- Replicate best practices on all INPAC campuses
Develop Partnerships with Industry

- **Graduate level**
  - Create internship opportunities
  - Invite panel of industry leaders to campus

- **Undergraduate students**
  - Incorporate session on opportunities in industry into summer internship program curriculum