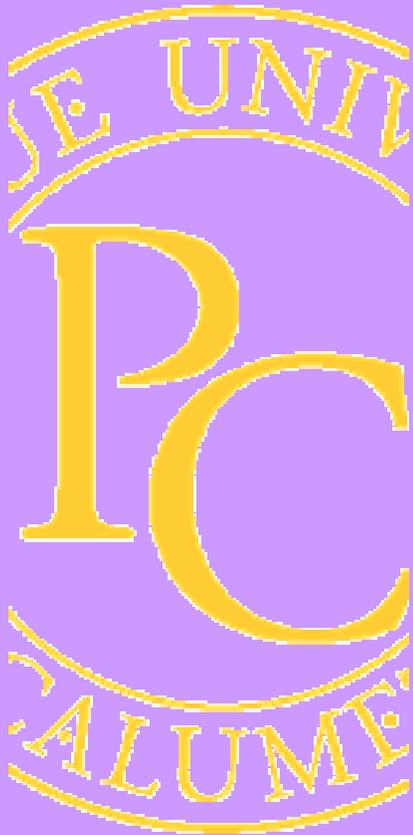


Purdue University Calumet Application

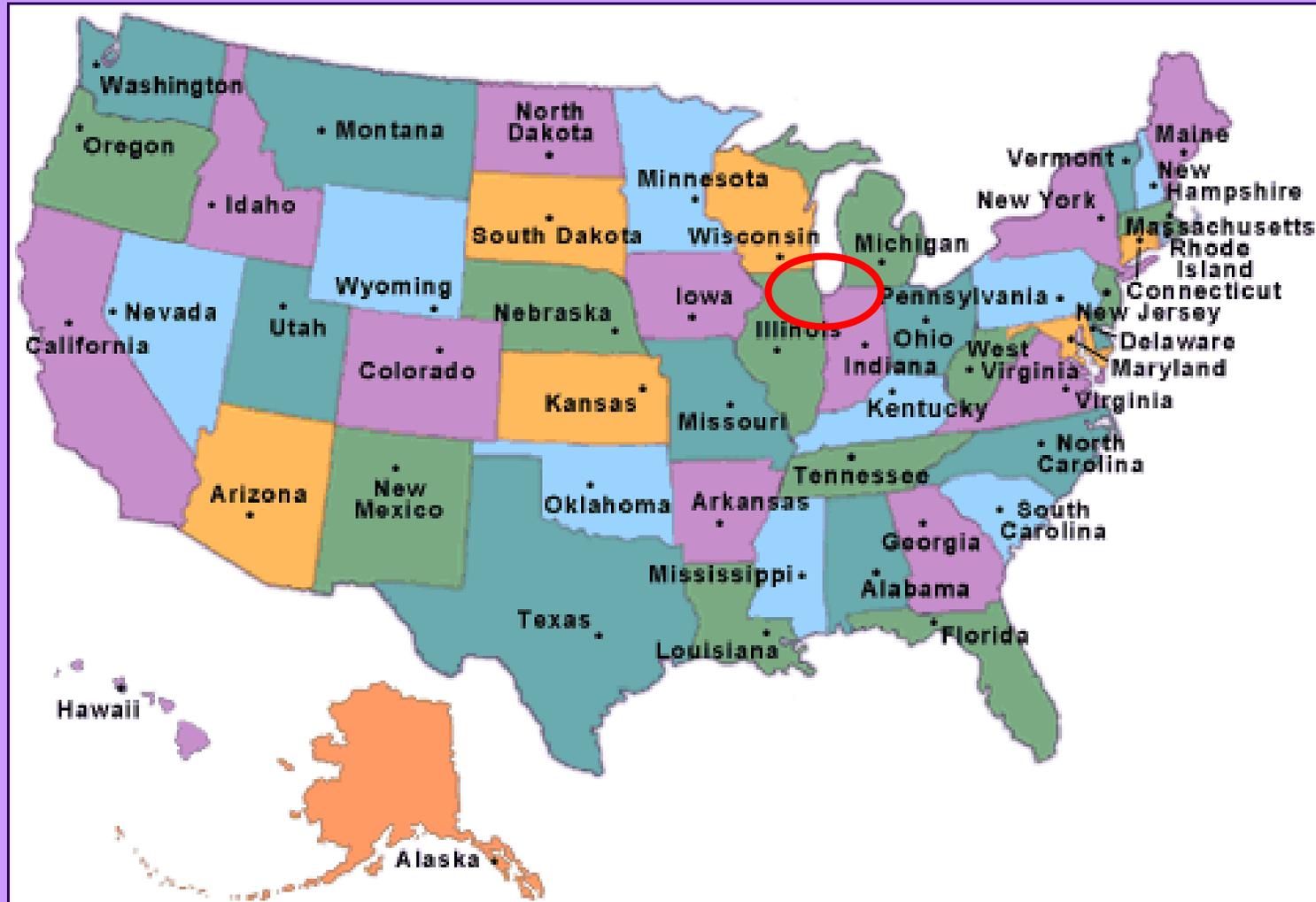


Neeti Parashar

**DØ Collaboration Meeting
Fermilab, 6-10 March, 2006
Institutional Board Meeting**



Location



Indiana – The Hoosier State

Hammond



Indianapolis

- 38th biggest state in USA
- 14th most populous state
- Named after local Indians
- Indianapolis is the largest city
- Known for its excellent education institutions
- 20 miles southeast of Chicago

My current involvement

- **Member of Tevatron Collider at Fermilab since 1995, with CDF as the startup experiment**
- **Member of the DZERO (DØ) Collaboration since 1997**
- **Leader of the High Energy Physics Program at Purdue University Calumet (PUC)**
- **Group to expand by two more faculties early next year - To be advertised soon**
- **Joined CMS last year – Forward Pixels**
- **Current DØ activities pursued at Fermilab**

Positions and Responsibilities at DØ

- **Co-Coordinator of Run II Level 3 Jets: 2003-2005**
- **Co-Convener of the Higgs Associated Production mode: 2000-2002**
- **Member of the Run I Tevatron Electroweak Group: Combined results from DØ and CDF**
- **Commissioned Run II Muon PDT Readout system: 1997- 2000**
- **Designed the buffering scheme for the entire Run II Muon Detector: 1997- 2000**
- **Developed the first analysis technique at DØ to measure the direct W boson width: 2000-2002**

Plans for DØ

- **Main Task on Level 3 Trigger**
 - L3 MHT filter and MET tool
 - Continue the development of the track-jet matching filter – clean up signal for MHT filter

- **Physics Interests**
 - Electroweak physics

Official Proposal

- **Personnel**
 - **Faculty: Neeti Parashar: 50% FTE**
 - **Post-doc: Vesna Cuplov: 50% FTE**
 - **Recent interest by a Ph.D. student: 100% FTE**
- **National Science Foundation (NSF) has funded this effort**
- **Startup funds provided by the University**



Future

- Looking forward to continued participation in DØ
- Do interesting Physics

“THANK YOU”