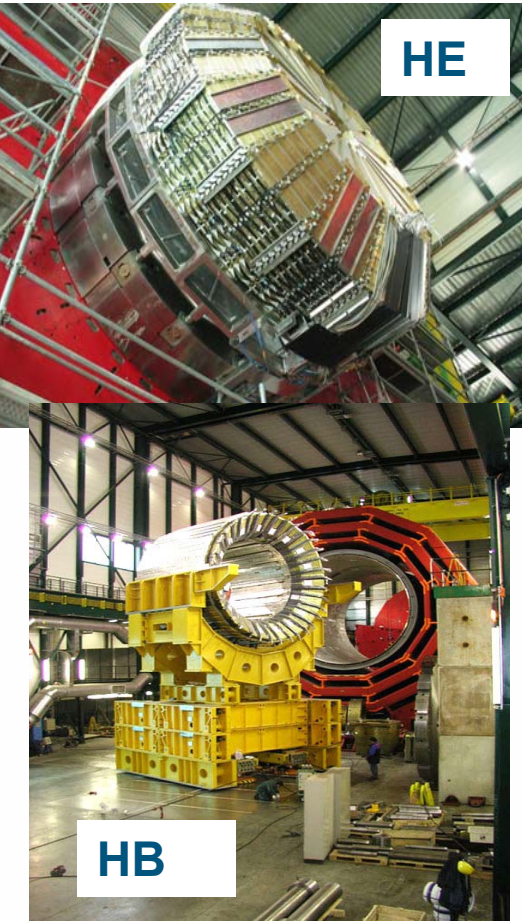




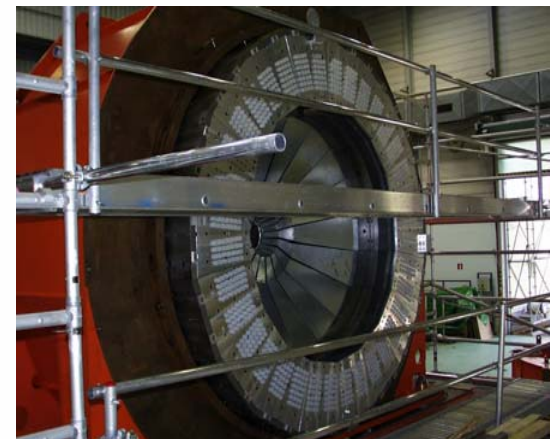
Introduction and Highlights



HE

HB

- *Heidi Alvarez, FIU CIARA/AMPATH*
- *Paul Avery, University of Florida Physics*
- *Vasken Hagopian, Florida State University*
- *Julio Ibarra, FIU CIARA/AMPATH*
- *Zhonghong Jiang, FIU College of Education*
- *Laird Kramer, FIU Physics*
- *Pete Markowitz, FIU Physics PI*
- *Ed McClintock, FIU College of Education*
- *Harvey Newman, Caltech Physics*
- *Sergio Novaes, UNESP Physics*
- *George O'Brien, FIU College of Education*
- *Mario Eraso, FIU College of Education*
- *Vanessa Gaultney, FIU Physics*
- *David Jones, Miami Palmetto HS*



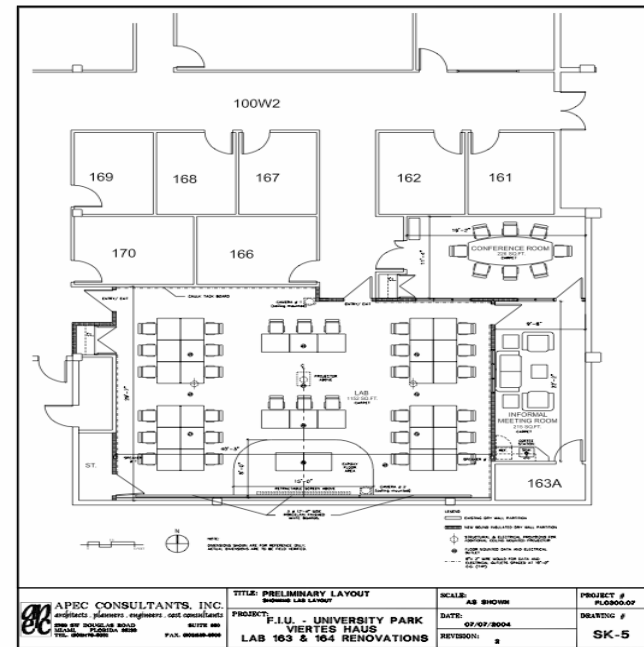
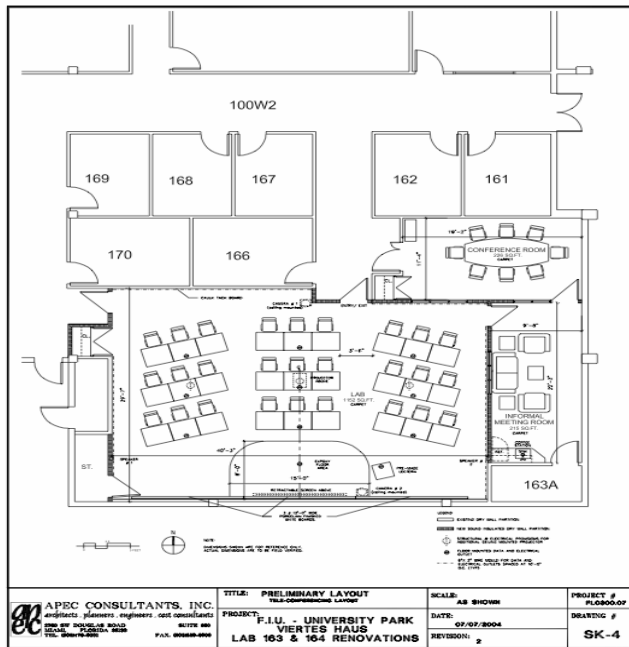
HE end assembled in Bat 186





Space Renovation

- Space assigned for labs, teaching, offices, PLC
- Architectural work finishing
- Flexible design for modeling classroom / PLC





Administrative Issues

- External Advisory Committee formed
- Consists of **Maxine Brown (UIC)**, **David Jones (Palmetto HS)**, **Jennifer Krugman (College Board)**, **Brian Meadows (UC)**, **Randy Ruchti (ND)**
- Will meet July 23 at FIU

- Offer “outsiders view”





Physics

- Steve Linn joined CHEPREO January '04
- Made CMS Level 3 DCS manager
- Work with students:
 - Controls software
 - VME DAQ setup
- Next bring simulation from FSU to FIU





Physics

- Host of Winter '04 HCAL meeting
- FSU/FIU Grid Monte Carlo
- HCAL test beam @ CERN
- FSU/FIU laser calibration system
- HCAL Detector Control Systems coordination
(L3 CMS Management)





Cyberinfrastructure

- CHEPREO sent three members (Avery, Alvarez and Acha) to UTB Grid Summer Workshop.
- Develop expertise and ideas to incorporate grids into physics research and E/O.





Cyberinfrastructure

- Tier 3 data center is running at NAP
- Increase from 5 to 22 computing nodes
- Internships at NAP
- Provisioning Circuit to Brazil





Cyberinfrastructure

- Xun Su (CalTech) joined CHEPREO January '04
- CHEPREO network engineer
- Expertise in high performance grid networking and system engineering
- Working with Harvey Newman





Cyberinfrastructure

- NSF recommended involving FIU's School of Computer Science (SCS)
- Chi Zhang joined CHEPREO in May '04
- Expertise in network protocols, distributed systems, measurement-based transport protocols for high speed networks
- Working with Xun Su (CalTech)





Education and Outreach

- Undergraduates who have been through modeling now active in research
- Involved in:
 - detector building
 - QuarkNet
 - Workshops
 - Data taking
- Fall '04 start of second class





Education and Outreach

- Teaching via modeling at FIU (Physics I, II w/ calc.)
- Students anecdotal response excellent
 - Interest
 - Activity levels
- Classroom not currently optimal -- temporary PLC space





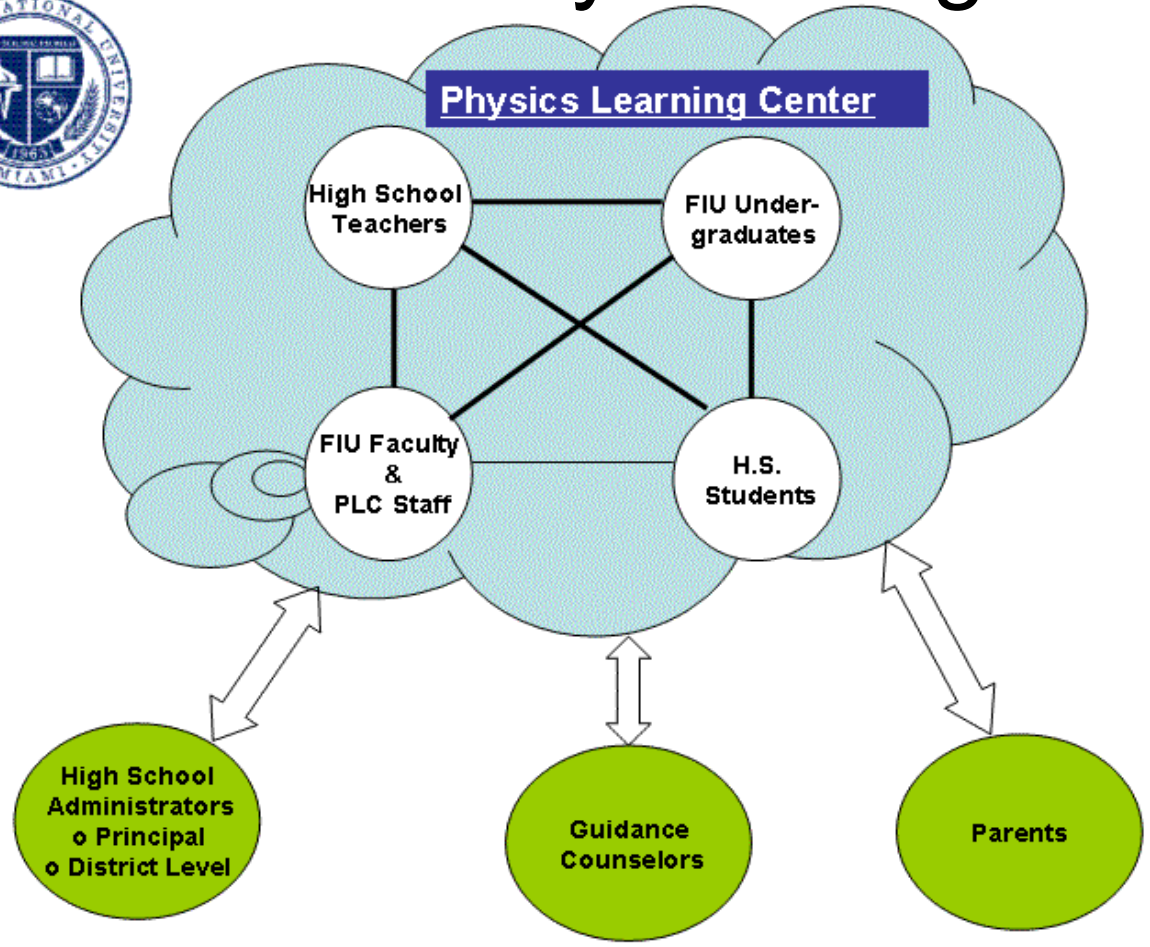
Education and Outreach

- QuarkNet Workshop just completed
 - Organized, led by 2 HS QuarkNet lead teachers
 - Additional 11 HS teachers
 - 2 FIU undergraduates
- 2 Modeling Workshops underway
 - Involve 28 HS teachers
 - Several FIU faculty
 - Graduate and undergraduates
- Related COMAP workshop
 - Math and science teachers





Community Building





Summary

- CHEPREO aggressively moving ahead
- Progress in many (all) areas
- Manpower significantly growing:
 - EPP researcher hired
 - Network engineer hired
 - SCS brought in
 - PER search underway
- Task details becoming clear

