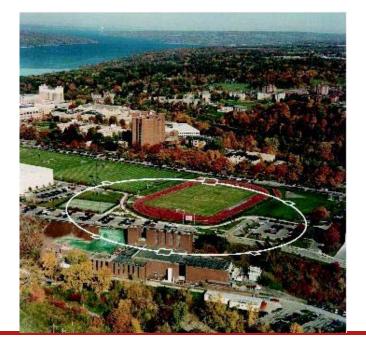
Laboratory Plan

David Rice Cornell Laboratory for Accelerator-Based Sciences and Education

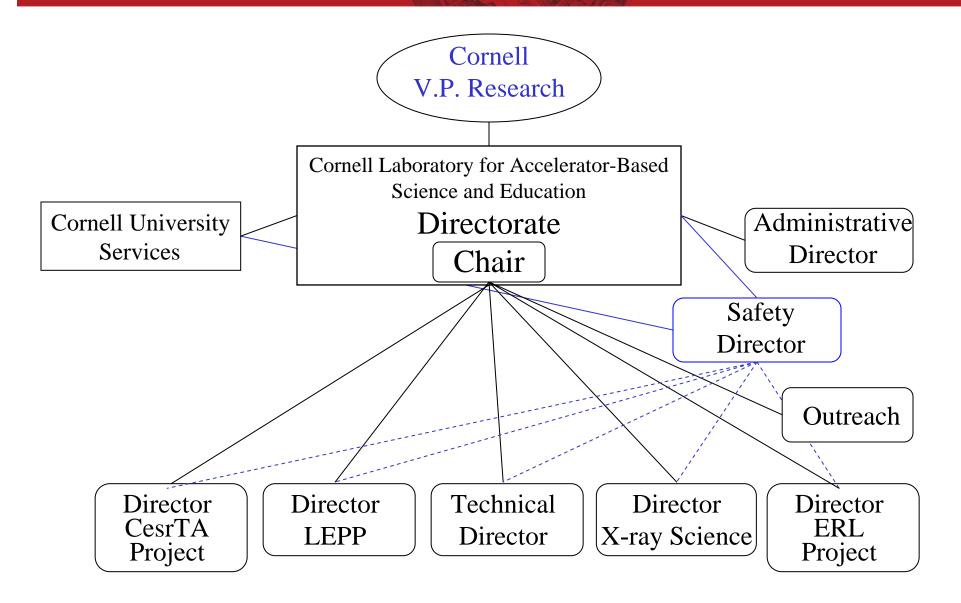








Introduction



CLASSE Technical Resources

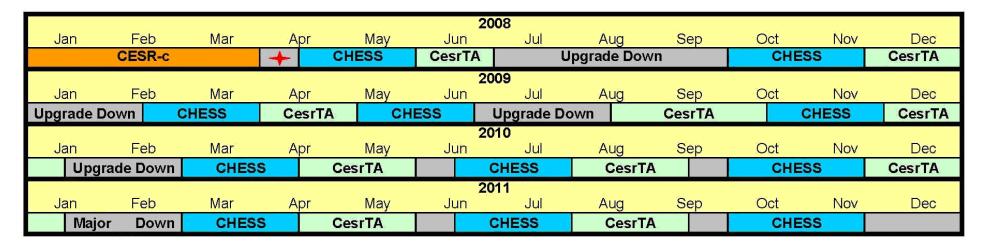
- CLASSE has the flexibility to carry out parallel programs with ~210 employees (incl. 50 CHESS)
- Accelerator operations group of 18 physicists, engineers, and grad students, & 8 operators.
- Extensive technical support groups with average years of service >19
- Primary work groups:
 - Administrative Services
 - Cryogenic
 - Drafting & Publications
 - Electronic
 - Machine Shop
 - Materials Handling

- •Technician Mech, Elec, Plumbing
- Operations
- Purchasing & Receiving
- •RF/SRF
- Vacuum

Safety Organization

- Safety Director appointed by Laboratory Director
- Safety Committee composed of long-term employees including technician, engineering, physicist staff.
- Safety Committee responsible for approval of any policy changes affecting safety and promoting proactive safety program.
- New projects / policy changes:
 - Request with safety assessment presented to Safety Director
 - Documents reviewed by small group of experts appointed by Safety Director
 - Review and documents presented to Safety Committee
 - Presentation, discussion, and vote in meeting.

Program Coordination & Scheduling



- Multi-level approach to scheduling
 - 1. Operations Director brings about consensus between administrative staff from relevant programs
 - 2. Meeting of program directors if needed (rare)
- Minimal overhead in transitions between programs
 - Change over between accelerator running modes usually less than 1 shift
 - CHESS (high energy) operation benefits vacuum chamber conditioning process.

Compatibility with other programs

- Several programs being carried out at CLASSE
 - Completion of CLEO-c program (ends 3/31/2008)
 - High Energy Physics:
 - CLEO-c data analysis, CMS, ILC Detector R&D
 - CHESS operation
 - accommodated in schedule operations technical support staff
 - ERL Phase 1a prototype injector
 - installation complete by February, 2008
 - primarily operations (~6 accelerator physicists & engineers) and occasional maintenance/modifications
 - experimental program through February, 2009
 - ERL detailed engineering
 - proposal to be submitted to continue detailed engineering work for a full ERL
 - work ramping up as Phase 1a is completed
 - Accelerator R&D
 - superconducting RF development

Cornell Services

- Cornell has an extensive network of services and departments, >14,000 staff and faculty.
- Most services covered by overhead.
 - a few of the more important:
 - Libraries
 - Human Resources
 - Planning, Design & Construction
 - Purchasing
 - Environment, Safety & Health
 - Information Technology
 - Risk Management
 - Campus Police

Cornell Services -1

• Cornell Units:

- Libraries
 - 18 Libraries on campus
 - Access to E-journals
- Human Resources
 - Hire/discharge/discipline guidelines and assistance
 - Employee Assistance Program
- Planning, Design, Construction
 - Maintenance shops electrical, HVAC, plumbing
 - Construction projects
 - Planning & Design
 - Architectural services
 - Construction contracts
 - Building permits
- Purchasing
 - Bidding, purchasing contracts
 - Procurement card services
 - e-SHOP online purchasing
 - preferred vendor contracts

Cornell Services -2

• Cornell Units:

- Environmental Health & Safety
 - Emergency Preparedness Terrorism
 - Biological Safety
 - Emergency Services
 - Fire Safety
 - General Safety
 - Occupational Health
 - Radiation Safety
 - Chemical & Laboratory Safety (materials disposal)
- InformationTechnology
 - Phone, network services
 - Individual computer consulting
- Risk Management
 - Insurance
 - Claim management
 - Risk assessment and consulting
- Campus Police
 - Emergency response
 - Police services

Summary

- LEPP is well prepared to carry out the CesrTA program effectively and efficiently with a broad resource base.
- LEPP's placement in the Cornell University structure provides a wealth of resources to leverage in accomplishing program goals.