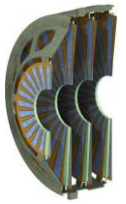
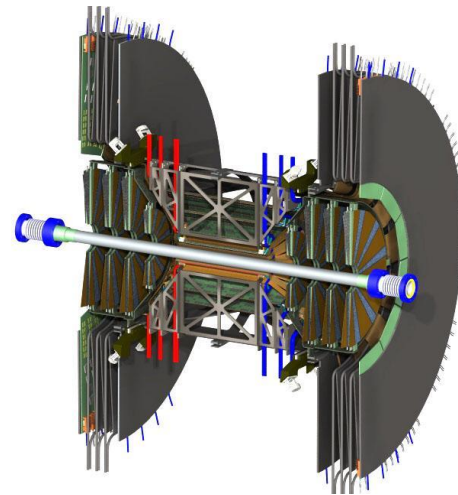
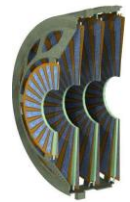


Forward Vertex Detector Cost, Schedule, and Management Plan



- Participating Institutions
- Organizational plan
- Cost Basis
- R&D Costs
- Cost
- Schedule





Participating and Interested Institutions

Los Alamos National Laboratory

LANL coordinate work to procure the silicon sensors, work with FNAL on the development of the PHX chip, with Columbia on development of the interface to PHENIX DAQ, and on the simulation effort with NMSU. Los Alamos is currently leading the mechanical engineering and the integration effort for the barrel detector, VTX, and will continue those efforts for the FVTX.

Columbia University

Columbia University is an acknowledged expert on the PHENIX DAQ system. They will work on the interface between the PHX chip and the PHENIX DAQ.

Iowa State University

Iowa State University is currently working on management details with the barrel detector and working on an (funded) SBIR effort for the level one trigger capabilities of the FVTX.

Charles University, Czech Technical University, Institute of Physics, Academy of Sciences, Prague

The Czech groups have been active in the development, testing, assembly, and commissioning of the ATLAS pixel sensors. They will do the same for the FVTX effort and additionally participate in software development.

New Mexico State University

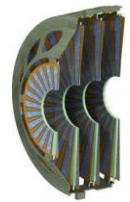
NMSU will work on comprehensive simulations for the FVTX effort and work on the sensor testing.

University of New Mexico

UNM has experience in testing, Q/A and a laboratory for characterization of sensors. They are currently working on the barrel strip sensors and will do the same for the FVTX effort. They may also work on the flex cables.

Saclay

Saclay will work on software.



Participating and Interested Institutions

Brookhaven National Laboratory

Brookhaven manages the integration and ancillary systems for the VTX and will do the same for the FVTX. They might also participate in software.

Bhabha Atomic Research Centre

Involvement still under discussion

University of Jyvaskyla

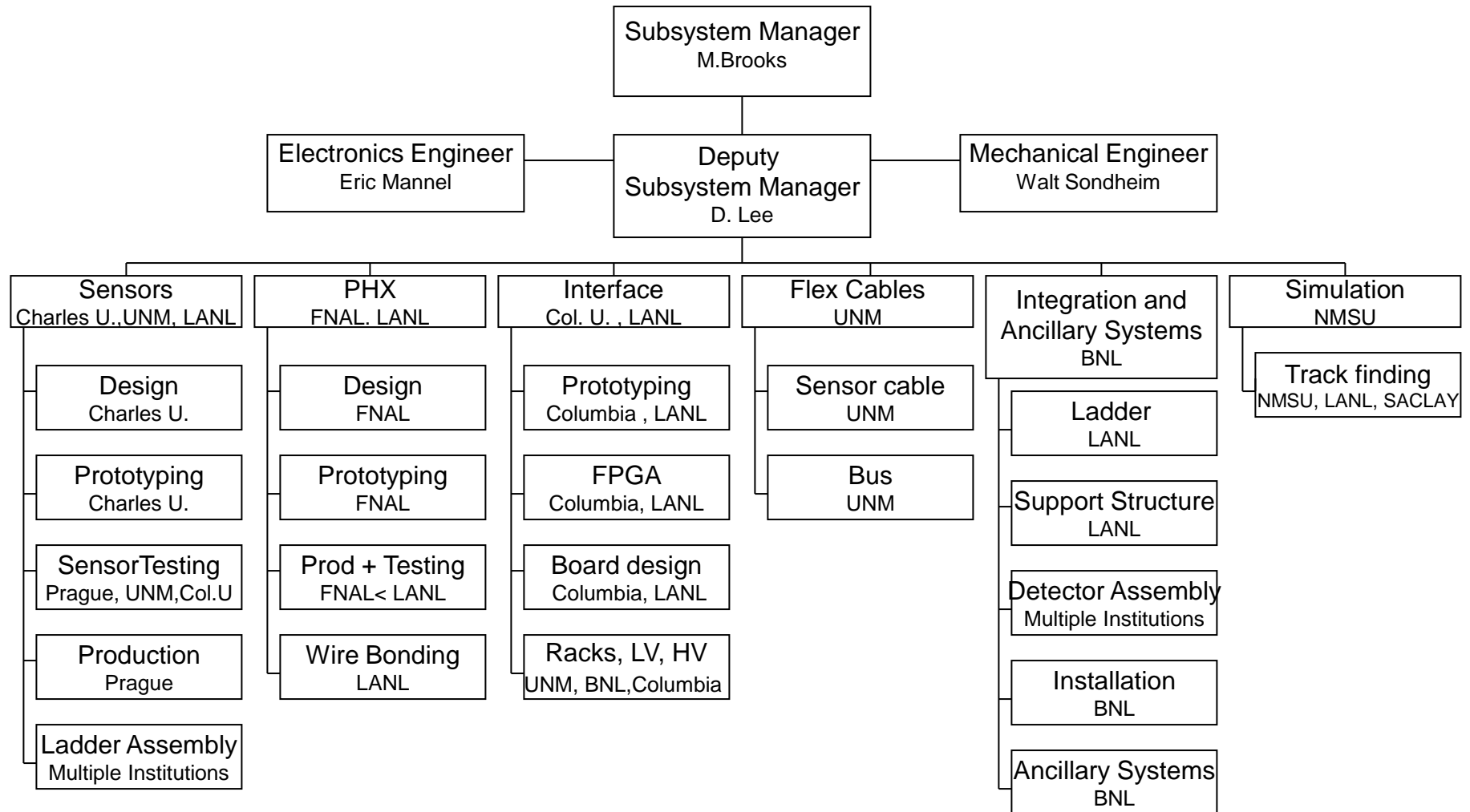
Involvement still under discussion

Yonsei University, Seoul, Korea

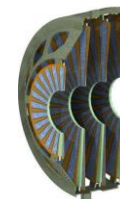
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Organizational Chart



[illegible]



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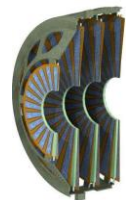
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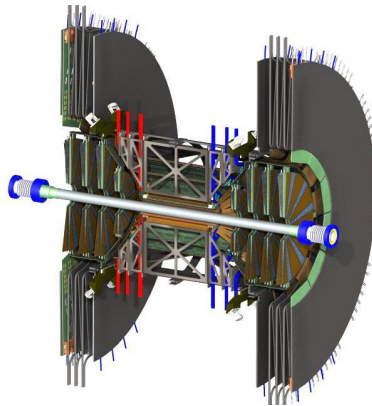
Yonsei University, Seoul, Korea

Involvement still under discussion



Summary

- No exotic or state-of-the-art R&D necessary
- LANL LDRD funds very important with BNL R&D funds
- Mechanical design concept mature
- FPHX ready for prototyping
- Will design bus and flex cables with conventional line width
- Management Plan is taking shape
- Cost Basis is in good shape
- Construction Schedule points to FY 2011 as data run



**Management Plan
for the
Forward Silicon Vertex Trackers (FVTX)
for PHENIX**

**at
Brookhaven National Laboratory**

**For the U.S. Department of Energy
Office of Science
Office of Nuclear Physics**

Major Task Areas

TOPIC	Effort to Date	Interested Institutions	Manager
Sensor	LANL, Czech	LANL, Czech, Columbia, UNM	
HDI	UNM, LANL		
FPHX	LANL		
DAQ	LANL, Columbia	LANL, Columbia	
Mechanics	LANL, HYTEC	LANL, HYTEC	Pak
Flex Cables	UNM, LANL	UNM	
Wedge Assembly	HYTEC, LANL	Columbia	
Ancillary	LANL, UNM, NMSU		
Calibration	LANL	LANL	done

Major Task Areas

TOPIC	Effort to Date	Interested Institutions	Manager
Disk and Cage Assembly	LANL, HYTEC		
Sensor QA			
FPHX QA			
System Test			
Mechanical Engineer	LANL, Walt		Walt
Electrical Engineer	Columbia, Eric		Eric