

University Linear Collider Consortium

1'st Meeting: Friday April 19 at Cornell (2 weeks from today)

Purpose:

- This meeting is intended to be the first of 2 Workshops. Its goal is to identify participants and their areas of interest, and to help newcomers identify specific projects. At the second workshop (June 30th in Santa Cruz), we will expect participants to present preliminary R&D plans.
- Research Coordinators, appointed before the April workshop, will keep track of projects within each major R&D area, will help participants identify projects, and ultimately, will coordinate writing of their section of the proposal.
- We are aiming for submission of a proposal to NSF in September.

Format:

- Informative plenary review talks by experts to summarize issues in each field and identify areas of ongoing and needed R&D.
- Small breakout groups with Research Coordinators to explore the details, specific projects, and possible organizational structure within each area of R&D.
- A brief planning session to set dates and location of the next meeting at which we will begin to prepare a proposal for September submission.

Program

Linear
Collider
Consortium
Organizational

Meeting

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Meeting Agenda

Friday, April 19th, 2002

INTRODUCTION

8:30	Introduction/motivation	M. Tigner
8:45	Goals of the Meeting	J. Alexander
9:00	Report from the Midwest	J. Blazey
9:10	Report from SLAC	TBA
9:20	The Detector R & D Steering Committee	M. Oreglia

ACCELERATOR R&D OPPORTUNITIES

9:40	Sources & linac	D. Rubin
10:10	Damping rings, Beam Delivery & IR	J. Rogers
10:40	COFFEE	
11:10	Accelerating Structures	H. Padamsee
11:30	Global Acc Network	D. Hartill
12:00	LUNCH (catered)	

DETECTOR R&D OPPORTUNITIES

1:00	Machine/detector interface	R. Settles
1:30	Vertexing	H. Neal
2:00	Tracking	D. Peterson
2:30	Calorimetry	R. Frey
3:00	BREAK-OUT GROUPS (refreshments provided)	

4:30	Wrap-up	
5:00	Bus to airport departs.	



Please Participate !

See <http://w4.lns.cornell.edu/public/LCCOM/>

Ongoing R&D at Cornell (some examples)

- Superconducting RF (for many years).
 - First to reach 25 MeV/m goal.
 - Understanding the fundamental physics of metal surfaces. (Field emission and RF breakdown are key roadblocks for both warm & cold RF).
- CESR-c will be the first truly wiggler dominated storage ring.
 - Ideal test vehicle for the damping rings of either warm or cold technology linear colliders.

