

Appendix B

Agenda of the Fermilab Industrial Affiliates Sixth Annual Meeting: Particle Physics in the Nineties

Fermi National Accelerator Laboratory
Batavia, Illinois
May 29 - 30, 1986

Thursday, May 29

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| 9:00 a.m. | Registration | 2nd floor west |
| 10:00 a.m. | Early Welcome and Tour Introduction | Dr. Richard Lundy 1 west conf. rm. |
| 10:30 a.m. | Tours - select one of: 1) Advanced Computer Program 2) SSC Magnets 3) General (Tours will be repeated Friday afternoon) | |
| 12:00 noon | Lunch | |
| 1:00 p.m. | Introduction | Dr. Leon Lederman 1 west conf. rm. |

1985 has been a banner year for Fermilab with operation of the antiproton collider. This bodes well for the SSC. An interesting technological development is a project on protons for medicine. In a different area, Illinois has established a new high school science academy.

- 1:30 p.m. The Status of the Superconducting Super Collider Dr. Peter Limon
SSC Central Design Group
- The conceptual design has been completed and DOE will seriously consider the proposal.*
- 2:30 p.m. Proton Accelerator for Medicine Mr. Philip Livdahl
- Fermilab is building a prototype medical accelerator for Loma Linda University Medical Center. A commercialization center is being established in conjunction with the State of Illinois.*
- 3:45 p.m. Access to Technology at Fermilab Dr. Richard Carrigan, Jr.
- Many technologies are available at Fermilab. The Affiliates organization is a useful way to access them.*
- 4:15 p.m. Roundtable: Science, Economics, and Public Policy 1 west conf. rm.
Moderator: Dr. David Morrison (IITRI)
Panelists:
Mr. Norman Metzger (NAS)
Dr. George E. Pake (Xerox)
Dr. Alan Schriesheim (ANL)
Mr. W. Edward Steinmueller (Stanford)
- 7:00 p.m. Banquet 15th flr. north
Speaker: Dr. George E. Pake
Group Vice President for
Corporate Research,
Xerox Corporation

Friday, May 30

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| 8:30 a.m. | SSC Instrumentation Needs <i>A survey of some of the technologies that will be needed in the '90s</i> | Dr. Murdock Gilchriese Cornell |
| 9:15 a.m. | Large Scale Electronic Systems in Particle Physics | Dr. Marvin Johnson |
| 9:45 a.m. | Video Image Intensifier | Dr. Randal Ruchti Notre Dame |
| 11:45 a.m. | New Developments in Particle Theory - Strings and More Dimensions Than You Thought You Saw | Dr. Christopher Hill |
| 12:30 p.m. | The New Illinois Math- Science Academy | Dr. Leon Lederman |