

# SYMPOSIUM ON FUTURE POLARIZATION PHYSICS AT FERMILAB

June 13-14, 1988

Fermi National Accelerator Laboratory  
Wilson Hall, Curia II

## Agenda

### Monday, June 13

#### SESSION CHAIRMAN - A. Yokosawa

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|---|--------------------------|
| 9:00 a.m. Introductory Charge                                       | (L. Lederman, Fermilab)  |
| 9:15 a.m. Spin Distributions of Quarks, Antiquarks, Gluons          | (M. Karliner, SLAC)      |
| 10:00 a.m. Experimental Results from the CERN EMC Measurements      | (V. Hughes, Yale Univ.)  |
| 10:30 a.m. Calculation of Spin Dependent Structure Functions in QCD | (B. Ioffe, ITEP, Moscow) |
| 10:50 a.m. Coffee Break   |                          |

#### SESSION CHAIRMAN - L. van Rossum

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|---|-------------------------------------|
| 11:10 a.m. Polarized Proton and Anti-proton Beams at Fermilab | (R. Coleman, Fermilab)              |
| Primakoff Polarimeter   | (K. Imai, Kyoto University)         |
| Coulomb-Nuclear Interference Polarimeter                      | (A. de Lesquen, CEN, Saclay)        |
| 11:55 a.m. Results from Large-x $\pi^0$ Measurements          | (F. Nessi-Tedaldi, Rice University) |
| 12:10 p.m. Lunch  |                                     |

#### SESSION CHAIRMAN - A. L. Read

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|---|-------------------------------------|
| 2:00 p.m. Acceleration of Polarized Beams                     | (L. Teng, Fermilab)                 |
| 2:20 p.m. Experimental Test of the Siberian Snake Principle   | (K. Terwilliger, Univ. of Michigan) |
| 2:30 p.m. Polarized Beams from $\Sigma^+$ Decay               | (D. Carey, Fermilab)                |
| 2:50 p.m. Polarized Muon Beams at Fermilab                    | (J. Morfin, Fermilab)               |
| 3:05 p.m. Polarized Electron Beam and Polarized $^3\text{He}$ | (R. Milner, Caltech)                |
| 3:25 p.m. Coffee Break  |                                     |

#### SESSION CHAIRMAN - F. Close

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| 3:45 p.m. Production Dynamics, large $p_{\perp}$ Effects | (J. Soffer, Marseille)        |
| 4:30 p.m. Brookhaven Results                             | (D. Crabb, Univ. of Michigan) |
|  | (M. Nessi, Rice University)   |
|  | (Y. Makdisi, Brookhaven)      |

**Tuesday, June 14****SESSION CHAIRMAN - R. K. Ellis**

- 9:00 a.m. Heavy Flavor Physics and Polarization Experiments (J. Bjorken, Fermilab)  
 9:20 a.m. Production Dynamics, Hyperon Polarization (T. DeGrand, Univ. of Colorado)  
 10:05 a.m. Experimental Program Using the MP Beam (D. Underwood, Argonne)  
 10:50 a.m. Coffee Break

**SESSION CHAIRMAN - P. Garbincius**

- 11:10 a.m. OPEN FORUM  
 12:10 p.m. Lunch

**SESSION CHAIRMAN - E. Berger**

- 2:00 p.m. Total Cross Sections  
     i) Parity Violation (T. Goldman, Los Alamos)  
     ii)  $\Delta\sigma_L$  (Theoretical) (D. Richards, Argonne)  
 2:40 p.m.  $\Omega$  Polarization (K. Heller, Univ. of Minnesota)  
 2:55 p.m. Elastic Scattering (E. Leader, Birkbeck College)  
 3:25 p.m. Concluding Remarks (J. Bjorken, Fermilab)