

**APPENDIX III.**

**AGENDA**



April 9, 1986

**ANTIMATTER PHYSICS AT LOW ENERGY  
FERMILAB LOW ENERGY ANTIPROTON FACILITY WORKSHOP  
10 - 12 April, 1986  
Norman Ramsey Auditorium**

Agenda

Wednesday, April 9

7:00 - 9:00 PM Welcome Reception at Fermilab Users Center

Thursday, April 10

B. Bonner (Rice), chairman

9:00 AM	Introduction	L. Lederman (Fermilab)
9:15 AM	Perspectives in Low Energy Antiproton Physics	R. Jaffe (MIT)
10:15 AM	COFFEE BREAK	

G. Smith (Penn State), chairman

10:45 AM	Results from LEAR	K. Kilian (Julich)
11:25 AM	Future Physics at LEAR	R. Landua (CERN)
12:05 PM	Future Machine Improvements at LEAR	D. Möhl (CERN)
12:30 PM	LUNCH	

D. Wolfe (New Mexico), chairman

1:30 PM	Fermilab Antiproton Source	P. Rapidis (Fermilab)
2:15 PM	Charmonium Experiments with Antiprotons	E. Menichetti (Torino)
2:45 PM	Charmonium Spectroscopy by Direct Channel Production and Heavy Quark Physics	M. Olsson (Wisconsin)
3:30 PM	COFFEE BREAK	
4:00 PM	* * *Special Fermilab Colloquium by I. Singer (MIT) * * * "The Mathematics of String Theory"	

**5:00 PM Attitude Adjustment Hour - 2nd Floor Lounge**

Friday, April 11

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P. Barnes (Carnegie-Mellon), chairman

8:30 AM Testing QCD Dynamics in  $\bar{p}p$  Collisions S. Brodsky (SLAC)  
9:15 AM Glueballs, Hermaphrodites, and Exotica S. Sharpe (Washington)  
10:00 AM COFFEE BREAK

G. Phillips (Rice), chairman

10:30 AM Gravitational Properties of Antimatter T. Goldman (LANL)  
11:00 AM Physics with Bottled  $\bar{p}$ 's M. Hynes (LANL)  
11:30 AM Prospects for Experiments with Trapped  $\bar{p}$ 's G. Gabrielse (Washington)  
12:00 Noon LUNCH

R. Eisenstein (Illinois), chairman

1:00 AM CP Violation and  $\bar{p}p$  L. Wolfenstein (Carnegie Mellon)  
1:45 PM CP Violation Using Hyperons J. Donoghue (U. Mass.)  
2:15 PM Physics with Polarized  $\bar{p}$ 's C. Dover (BNL)  
2:45 PM Prospects for Polarizing  $\bar{p}$ 's E. Steffens (Heidelberg)  
3:15 PM COFFEE

T. Kalogeropoulos (Syracuse), chairman

3:45 PM  $\bar{p}$  Annihilation Channels and Quark Dynamic Selection Rules F. Myhrer (South Carolina)  
4:10 PM Baryonium and Amplitude Analyses B. Wicklund (ANL)  
4:40 PM Delta, Iota, and Other Meson Spectroscopies H. Lipkin (ANL/Weizmann)  
5:10 PM Gluonic Excitation of Mesons: Why Are They Missing, and How to Find Them in  $\bar{p}p$  N. Isgur (Toronto)

**5:45 PM Workshop Social - Second Floor Lounge**

Saturday, April 12

J. Schiffer (ANL), chairman

8:30 AM  $\bar{p}$  Nuclear Physics J.M. Richard (Paris/Grenoble)  
9:00 AM  $\bar{p}$  Atoms, Anti-Hydrogen, and Hyperonic Atoms H. Poth (Karlsruhe)  
9:30 AM Quark-Gluon Plasma in  $\bar{p}$ -Nucleus Interactions W. Gibbs (LANL)  
10:00 AM  $\bar{p}$  Capture in Neutral Atomic Beams B. Deutch (Aarhus)  
10:30 AM COFFEE BREAK

L. Pinsky (Houston), chairman

11:00 AM An Overview of the Potentially Accessible Physics M. Chanowitz (LBL)  
11:45 AM Summary of the "Exposed" Machine Requirements J. Peoples (Fermilab)  
12:15 PM Closing Remarks L. Lederman (Fermilab)