

Scientific Program for the 3rd Higgs Factory Workshop

"From The Neutrino Factory to The Higgs Factory: Muons All The Way"

February 28 and March 1, 2001
UCLA Faculty Center

February 28, Wednesday

8:00 am Registration

I OPENING SESSION [Chair, D. Cline (UCLA)]

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|--------------|---|---------------------------|
| 9:00 am | Recent Evidence for the Higgs Boson
from ALEPH | J. Nielsen (U. Wisconsin) |
| 9:20 | From DELPHI | W. Murray (RAL) |
| 9:40 | From L3 | M. Felcini (CERN) |
| 10:00 | From OPAL and Combination | G. Hanson (Indiana U.) |
| <i>10:30</i> | <i>Coffee</i> | |
| 10:45 | Higgs theory | J. Gunion (UC Davis) |
| 11:15 | Implications of the Recent Experiment
on the Higgs Factory | M. Berger (Indiana U.) |
| 11:45 | Background to Higgs Observation
at the Tevatron | Z. Bern (UCLA) |

12:15 Lunch

II ACCELERATION + COLLIDER ISSUES [Chair, G. Hansen (Indiana U.)]

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|-------------|--|-------------------|
| 1:30 | Multi-TeV Muon Colliders | B. King (BNL) |
| 2:00 | Update on Neutrino Factory Feasibility
Studies I and II | A. Sessler (LBNL) |
| 2:45 | Reconfiguration of Proton Driver and Target | F. Mills (FNAL) |
| 3:15 | Muon Targetry and Capture, Precooling | H. Kirk (BNL) |
| <i>3:45</i> | <i>Coffee</i> | |
| 4:00 | Open Discussion and Working Groups Organization | |
| 5:45 | Summary of Working Groups | |
| <i>6:15</i> | <i>Dinner</i> | |

March 1, Thursday

III ACCELERATION + COLLIDER ISSUES [Chair, (TBA)]

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|-------|---|-------------------|
| 8:30 | Ring Cooling Scheme | D. Neuffer (FNAL) |
| 8:55 | Emittance Exchange Study | R. Fernow (BNL) |
| 9:20 | Bunch Stacking Scheme in a Solenoid | Y. Fukui (UCLA) |
| 9:40 | Bunching / RF Emittance Exchange for Ring | D. Cline (UCLA) |
| 10:00 | Cooling for Higgs Collider | D. Neuffer (FNAL) |

10:20 Coffee

IV ACCELERATION + COLLIDER ISSUES [Chair, (TBA)]

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|-------|--|-----------------------------|
| 10:35 | Muon Acceleration for a Higgs Factory | D. Summers (U. Mississippi) |
| 10:55 | Lattice Design Study | A. Garren (UCLA / LBNL) |
| 11:15 | Beam Loss Mechanism and Limitation of SNS Ring | W. Weng (BNL) |
| 11:35 | Summary of Parameters and Cost Drivers | (TBA) |
| 11:50 | Discussion of Plans for Snowmass | |

12:20 Lunch

1:30 Continued Discussion / Working Groups

3:00 Coffee

5:00 Summary of Working Groups

6:00 End