

PPD Sessions for CAP 2000

Future Accelerators for Particle and Nuclear Physics (*Joint DNP-PPD*)

Monday, June 5, 10:00-12:30

Session Chair - **M. Craddock (UBC)**

- 10:00 R. Carnegie (Carleton) - "*Report from the International Committee for Future Accelerators (ICFA)*"
- 10:30 E. Malamud (FNAL) - "*The Very Large Hadron Collider: Extending the Frontier beyond the LHC*"
- 11:00 K. McDonald (Princeton) - "*Neutrino Factories and Muon Colliders*"
- 11:30 T. Mattison (UBC) - "*Linear Electron-Positron Colliders*"
- 12:00 R. Laxdal (TRIUMF) - "*From ISAC-I Towards ISAC-II*"

Neutrinos and Astro-particle Physics (*Joint DNP-PPD*)

Monday, June 5, 14:15-17:00

Session Chair - **S. Menary (York)**

- 14:15 K. Ragan (McGill) - "*Status of Ground-based Gamma Ray Astrophysics with the STACEE Detector*"
- 14:45 V. Zacek (Montréal) - "*Dark Matter Searches*"
- 15:15 M. Di Marco (Montréal) - "*Search for Dark Matter with the PICASSO Project*"
- 15:30 - Coffee
- 15:45 M. Vakili (Texas A&M) - "*Long Baseline Neutrino Oscillation Experiments*"
- 16:15 A. Hallin (Queen's) - "*First Year of Operation of the SNO Detector*"
- 16:45 M. Schwendener (Laurentian) - "*First level supernova trigger for the SNO detector*"
- 17:00 - Session end

The Standard Model Confronts Experiment

Tuesday, June 6, 10:00-12:30

Session Chair - **R. Hemingway (Carleton)**

- 10:00 M. Vetterli (TRIUMF) - "*The Spin of the Nucleon and QCD Studies at HERMES*"
- 10:30 G. Levman (Toronto) - "*Recent Results on the Structure of the Proton from the ZEUS Experiment at HERA*"
- 11:00 - Coffee
- 11:15 A. Bellerive (Chicago) - "*Precise Electroweak Results from LEP2*"
- 11:45 P. Beauchemin (Montréal) - "*Discrimination of quarks and gluons in 4-jet events*"
- 12:00 John Mayer (Toronto) - "*Jet Physics at CDF*"
- 12:30 - Session ends

Instrumentation and the LHC

Tuesday, June 6, 14:15-16:30

Session Chair - **F. Corriveau (McGill)**

- 14:15 P. Krieger (Carleton) - "*Physics at the TeV Scale: Discovery Prospects Using the ATLAS Detector at the LHC*"

- 14:45 R. Mazini - "*Searches for Intermediate-Mass Higgs in Weak Boson Fusion with the ATLAS detector*"
- 15:00 R. Mehdiyev (Montréal) - "*Excited Quarks at the LHC*"
- 15:15 - Coffee
- 15:30 M Finke-Keeler (Victoria) - "*Preparing for the next High-Energy Regime: The ATLAS Detector at the Large Hadron Collider*"
- 16:00 PPD General Meeting
- 16:15 - Session ends

Poster and Beer Session

Tuesday, June 6, 19:00 - beer runs out

- N. Boukhira (Montréal) - "*Neutron Calibration of Superheated Droplet Detectors for Cold Dark Matter Search*"
- TBA - "*ZEUS Straw-Tube Chamber*"

Beyond the Standard Model (*Joint DTP-PPD*)

Wednesday, June 7, 10:00-12:30

Session Chair - **P. Kalyniak (Carleton)**

- 10:00 D. London (Montréal) - "*CP-Violating Asymmetries in B Decays and the Search for New Physics*"
- 10:30 C. Burgess (McGill) - "*Is the Gravity Scale the Weak Scale?*"
- 11:00 S. Kruglov - "*Effective Action for Baryons and Electromagnetic Polarizabilities of Nucleons*"
- 11:15 - Coffee
- 11:30 D. Gingrich (Alberta) - "*Search for Higgs Boson and New Particles with OPAL*"
- 12:00 R. Galea (Toronto) - "*R parity violating SUSY searches at ZEUS*"
- 12:15 A. Sabetfakhri (Toronto) - "*Excited lepton searches at ZEUS*"
- 12:30 - Session ends

CP Violation and Heavy Flavours

Wednesday, June 7, 14:30-17:30

Session Chair - **J. McKenna (UBC)**

- 14:30 T. Mattison (UBC) - "*Physics with the BaBar Detector at the PEP-II B-Factory*"
- 15:00 V. Elias (Western) - "*Reducing the Theoretical Uncertainty in the Extraction of V_{ub} from the Inclusive Semileptonic $b \rightarrow u$ Decay Rate*"
- 15:15 T. Numa (TRIUMF) - "*Search for decays $K \rightarrow \pi \nu \bar{\nu}$* "
- 15:45 - Coffee
- 16:00 R. Hall-Wilton (York) - "*Recent Results in Heavy Flavour Production from ZEUS*"
- 16:30 R. Cropp (Toronto) - "*Prompt J/ψ polarization in proton-antiproton collisions at $\sqrt{s} = 1.8 \text{ TeV}$* "
- 16:45 P. Sinervo (Toronto) - "*Search for Single Top Quark Production at CDF*"
- 17:00 A. Robinson (Toronto) - "*Measurement of the Top Quark p_T Distribution*"
- 17:15 K. Graham (Victoria) - " *$\sin^2\theta_W$ from Tau Polarization at OPAL*"
- 17:30 - Session ends