

CHEP

McGill Centre for High Energy Physics

Seminars 2006-2007

- [Joint Seminars \(with the Université de Montréal\)](#)
 - [Experimental High Energy Physics](#)
 - [Theoretical High Energy Physics \("pizza"\)](#)
 - [Nuclear Physics](#)
 - [Special High Energy Physics Seminars and Workshops](#)
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Montréal Joint HEP Seminars (with Université de Montréal)

1. 25-oct-2006 (at Concordia)
Entangled quantum states and non-locality. A branching space-time resolution of the problem
 Storrs McCall
2. 6-nov-2006
Results of X-ray and Neutron Micro-Radiography and Micro-Tomography with Pixel Detectors of Medipix2 Type
 Jan Jakubek
3. 6-nov-2006
Quantum Structure of Space Near a Black Hole Horizon
 Gabor Kunstatter
4. 9-nov-2006 (at Concordia)
Why is general relativity a geometric theory?
 Harvey R. Brown
5. 22-nov-2006
Mesure de $|V_{ub}|$ à l'aide des désintégrations $B \rightarrow \pi^0 \mu \nu$ et de la technique des étiquettes semileptoniques $B \rightarrow D^0 \mu \nu$
 Sylvie Brunet
6. 4-dec-2006
Black hole and black brane solutions in R^4 Sln spaces
 L.C.R. Wijewardhana

7. 25-jan-2007
Evidence for single top production at the D0 experiment
Yann Coadou
 8. 29-jan-2007
The Top Mass at CDF and the Final Preparation for ATLAS
Jean-François Arguin
 9. 31-jan-2007 (at Concordia)
The Nature of Spacetime and Free Will
Vesselin Petkov
 10. 5-fev-2007 (at McGill)
The Latest from MiniBoone
Hirohisa Tanaka
 11. 26-fév-2007
The top quark: a "charged" topic
Véronique Boisvert
 12. 4-juin-2007
Quantum disordering and the phase diagram of Josephson junction arrays
Said Sakhi
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Experimental HEP Graduate Student Seminars

1. Wednesday, October 18th, 2006
A Short Introduction to QCD
Jason Schwartz (McGill University)
2. Wednesday, November 15th, 2006
HEP Movies: The HERA Experiment
François Corriveau (McGill University)
3. Wednesday, November 29th, 2006
ZEUS for Beginners
François Corriveau (McGill University)
4. Wednesday, December 13th, 2006
QCD Study Report
Jason Schwartz (McGill University)
5. Wednesday, January 17th, 2007
Measurement of the neutrino mass matrix using terrestrial and astro-physical sources
Michael McCutcheon (McGill University)
6. Wednesday, February 14th, 2007

Recent Results on Strangeness Production at HERA

Chuanlei Liu (McGill University)

7. Wednesday, February 21st, 2007
UHE cosmic rays and the possible existence of a UHE point source
Andrew McCann (McGill University)
 8. Wednesday, March 14th, 2007
Ground-based observations of TeV cosmic rays using Direct Cerenkov radiation
Luis Valcarcel (McGill University)
 9. Wednesday, March 21st, 2007
Observation of double neutral kaon resonances with the ZEUS Detector
Changyi Zhou (McGill University)
 10. Wednesday, April 4th, 2007
A Search for Charged Higgs at the Tevatron
Gustavo Kertzscher (McGill University)
 11. Wednesday, April 11th, 2007
A search for the lepton-flavor-violating decays [B0 to ell tau] at BaBar
Miika Klemetti (McGill University)
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High Energy Informal Pizza Seminars

1. Wednesday, August 22nd 2007, 14:00
Special Pizza Seminar
Emergent Inflation
Stephon Alexander
Penn State University
2. Thursday, July 19th 2007, 14:00
Special Pizza Seminar
Polygamy of Entanglement of Assistance: Dual Monogamy Inequality for Entanglement
Som Bandyopadhyay
Université de Montréal
3. Friday, July 13th 2007, 14:00
Special Pizza Seminar
(Non-)Perturbative Aspects of Black Hole Attractors and Moduli Stabilization for Two-Parameter Calabi-Yau's
Aalok Misra
ICTP
4. Thursday, May 31st 2007, 14:00
Special Pizza Seminar
Brane inflation à la KKLT: a review and WMAP3 outlook

Larissa Lorenz
McGill University

5. Friday, May 25th 2007, 14:00
Special Pizza Seminar
Some Hidden and Overlooked Structures at Future Null Infinity in Maxwell, GR and Einstein-Maxwell Theory
Ted Newman
University of Pittsburgh
6. Thursday, May 10th 2007, 14:00
Special Pizza Seminar
Composite dark energy, the coincidence problem and modified gravity
Rolando Cardenas
Universidad Central De Las Villas
7. Wednesday, May 9th 2007, 13:30
Special Pizza Seminar
String Junctions and 1/4 BPS Black Holes
Sunil Mukhi
Tata Institute of Fundamental Research
8. Tuesday, May 8th 2007, 13:00
Fate of Kaluza-Klein Black Holes: Evaporation or Excision?
Sugumi Kanno
McGill University
9. Tuesday, May 1st 2007, 13:00
Generalized and gaussian coherent states for quantum systems with degenerate discrete energy spectra
Véronique Hussin
Université de Montréal
10. Tuesday, April 24th 2007, 13:00
Moduli stabilization and mirror symmetry in non-geometric backgrounds
Katrin Becker
University of Texas A&M
11. Thursday, April 19th 2007, 14:00
Special Theory Seminar
Mach's Holographic Principle
Maulik Parikh
IUCAA/Columbia
12. Tuesday, April 17th 2007, 13:00
A rigorous treatment of energy extraction from the Kerr black hole
Niky Kamran
Department of Mathematics and Statistics, McGill University
13. Tuesday, April 10th 2007, 13:00

Breakdown of linear cosmological perturbation theory near de Sitter spacetime

Bojan Losic
University of Alberta

14. Tuesday, March 20th 2007, 13:00
A note on the moduli-induced gravitino problem
Natalia Shuhmaher
McGill University
15. Tuesday, March 13th 2007, 13:00
String Compactification and Brane Inflation
Gary Shiu
University of Wisconsin-Madison
16. Tuesday, March 6th 2007, 13:00
Cuscuton Cosmology: Dark Energy meets Modified Gravity
Ghazal Geshnizjani
University of Wisconsin-Madison
17. Tuesday, February 13th 2007, 13:00
Recent progress in brane-antibrane inflation and uplifting
Jim Cline
McGill University
18. Tuesday, February 6th 2007, 13:00
Nonperturbative verification of supersymmetry on the lattice
Joel Giedt
Univeristy of Minnesota
19. Tuesday, January 30th 2007, 13:00
Resolution of Cosmological Singularities: a Workshop Report
Robert Brandenberger
McGill University
20. Tuesday, January 23rd 2007, 13:00
Cosmological Consequences of the Formation of Cosmic Strings
Martin Landriau
Department of Astronomy, University of Texas at Austin & Danish National Space Center
21. Tuesday, January 16th 2007, 13:00
P-adic inflation
Neil Barnaby
McGill Univeristy
22. Thursday, December 14th 2006, 14:00
Lorentz violation and Generation of Baryon Asymmetry of the Universe
Pavel Bolokhov
University of Victoria & St. Petersburg State University
23. Tuesday, December 12th 2006, 13:00

Ensemble of Kähler Moduli Inflation
Sergey Prokushkin
University of Toronto

24. Tuesday, December 5th 2006, 13:00
Final Title not available
Gerasimos Rigopoulos
Univeristy of Utrecht

25. Tuesday, November 28th 2006, 13:00
Solutions to Six-Dimensional Supergravity
Cliff Burgess
Perimeter Institute & McMaster Univeristy

26. Tuesday, November 21st 2006, 13:00
Nonlinear Structure Formation and “Apparent” Acceleration: an Investigation
Alessio Notari
McGill

27. Tuesday, November 14th 2006, 13:00
A Hologram of QCD
Takemichi Okui
Johns Hopkins University & University of Maryland

28. Tuesday, November 7th 2006, 13:00
MSSM flat direction inflation
Rouszbeh Allahverdi
Perimeter Institute

29. Thursday, November 2nd 2006, 13:00
Baryogenesis below the TeV scale
Federico Urban
Ferrara University & INFN Ferrara

30. Tuesday, October 24th 2006, 13:00
D5/D7-brane boundstate in a conifold background
Rhiannon Gwyn
McGill University

31. Wednesday, October 18th 2006, 16:00
Instabilities in Gauss-Bonnet cosmology
Gianluca Calcagni
University of Sussex

32. Tuesday, October 17th 2006, 13:00
Loop Quantum Gravity effects in the Early Universe
Parampreet Singh
Penn State

33. Tuesday, October 10th 2006, 13:00

M-theory Signatures in the Cosmic Microwave Background Radiation

Amjad Ashoorioon
University of Waterloo

34. Wednesday, October 4th 2006, 13:00
Mathematically Speaking, What is Supersymmetry?
James Sylvester Gates, Jr
University of Maryland
 35. Tuesday, September 26th 2006, 13:00
The Cooper Instability and the Cosmological Constant Problem
Stephon Alexander
Penn State University
 36. Tuesday, September 19th 2006, 13:00
The Minimal Supersymmetric Standard Model from heterotic string theory
Vincent Bouchard
Perimeter Institute
 37. Tuesday, September 12th 2006, 13:00
Comparing QCD and N=4 Super-Yang-Mills: Shear viscosity
Guy Moore
McGill University
 38. Tuesday, September 5th 2006, 13:00
"The axis of Evil": reporting results on anisotropy and non Gaussianity in the CMB
Joao Magueijo
Perimeter Institute
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Seminars in Hadronic Physics

1. Thursday, August 2nd 2006, 15:30
Mach cone shock waves at RHIC
J. Ruppert
McGill University
2. Tuesday, July 24th 2007, 15:30
Probing the Quark Gluon Plasma with Jets and Jet Correlations
Abhijit Majumder
Department of Physics, Duke University, Durham
3. Friday, July 13th 2007, 11:00
Dimuon transverse momentum spectra as a tool to characterize the emission region in heavy-ion collisions
Thorsten Renk
University of Jyväskylä & University of Helsinki
4. Tuesday, May 1st 2007, 14:00

Is there a “most perfect fluid” consistent with quantum field theory?

Thomas Cohen
University of Maryland

5. Tuesday, January 9th 2007, 14:00
Thoughts on early thermalization in AA collisions and nuclear matter in supercritical fields
Kirill Tuchin
Iowa State University/Riken-Brookhaven Research Center
6. Tuesday, December 12th 2006, 14:00
Heavy Quark Bound States Above Deconfinement
Agnes Mocsy
BNL
7. Tuesday, November 7th 2006, 14:00
How can AdS/CFT be useful for heavy-ion physics?
Pavel Kovtun
KITP, UCSB
8. Tuesday, October 24th 2006, 14:00
From color glass to glasma and plasma
Tuomas Lappi
Brookhaven National Laboratory
9. Tuesday, October 17th 2006, 14:00
The Quark-Gluon Liquid at RHIC
Gunther Roland
MIT
10. Tuesday, October 3rd 2006, 14:00
Four-charged-pion decay of $\rho^0(770)$ and the $a_1\rho\pi$ Lagrangian
Peter Lichard
Silesian University in Opava & Czech Technical University
11. Tuesday, September 19th 2006, 14:00
What does the rho-meson do? NA60's dimuon experiment and in-medium modifications of vector-mesons
Joerg Ruppert
McGill University

Experimental HEP Seminars

1. Wednesday, June 13th 2007, 15:30
Measurement of $|V_{ub}|$ from the decay $B_0 \rightarrow \pi l \nu$, using a loose neutrino reconstruction technique, at BaBar
David Côté
Université de Montréal

2. Wednesday, May 9th 2007, 15:30
The first result of the MiniBooNE neutrino oscillation experiment
Teppei Katori
Indiana University / Fermilab
3. Wednesday, March 28th 2007, 15:30
Testing the Higgs mechanism
Heather Logan
Carleton University
4. Wednesday, March 7th 2007, 15:30
A TPC for the T2K ND280 Experiment
Marie Di Marco
DPNC, Université de Genève
5. Wednesday, February 28th 2007, 15:30
Probing Electroweak Top Quark Couplings at Hadron Colliders
Uli Baur
SUNY Buffalo
6. Tuesday, February 27th 2007, 11:00
The top quark: a “charged” topic
Veronique Boisvert
University of Rochester
7. Monday, February 5th 2007, 14:00
The Latest from MiniBooNE
Hirohisa Tanaka
MiniBooNE/Princeton University
8. Monday, January 29th 2007, 14:30
The Top Mass at CDF and the Final Preparation for ATLAS
Jean-François Arguin
ATLAS/LBNL
9. Friday, January 26th 2007, 13:30
Evidence for single top production at the D0 experiment
Yann Coadou
Dzero/SFU
10. Thursday, January 4th 2007, 14:00
Status and Potential of the CMS Experiment
Dominique Fortin
University of California, Riverside
11. Friday November 3rd 2006, 13:30
Joint Seminar with the School of Computer Science
Entanglement entropy, black holes and holography
Stephen Hsu
University of Oregon

