



New Horizons in String Cosmology

June 12 - 17, 2004



MEALS

(Saturday dinner to Thursday lunch are included in workshop)

Breakfast (Continental): 7:00 – 9:00 am, 2nd floor lounge, Corbett Hall, Sunday-Thursday

*Lunch (Buffet): 11:30 am – 1:30 pm, Donald Cameron Hall, Sunday-Thursday

*Dinner (Buffet): 5:30 – 7:30 pm, Donald Cameron Hall, Saturday-Wednesday

Coffee Breaks: As per daily schedule, 2nd floor lounge, Corbett Hall

***Please remember to scan your meal card at the host/hostess station in the dining room for each lunch and dinner.**

MEETING ROOMS

All lectures will be held in Max Bell 159. Please note that the meeting space designated for BIRS is the lower level of Max Bell, Rooms 155-159. Please respect that all other space has been contracted to other Banff Centre guests, including any Food and Beverage in those areas.

SCHEDULE

Sunday, June 13

8:45- 9:00 Andrea Lundquist (BIRS Station Manager): Welcome to BIRS

9:00-10:00 Andrei Linde: Inflationary Universe

10:00-11:00 Dick Bond: Experimental View of the Very Early Universe

11:00-11:30 Coffee Break

11:30-12:30 Henry Tye: Brane Cosmology

12:30-14:00 Lunch

14:45-15:30 Finn Larsen: Particle Production in Matrix Cosmology

15:30-16:00 Coffee

16:00-16:45 Koenraad Schalm: Initial conditions in cosmological effective actions:
old questions, new answers

17:30-19:00 Dinner

19:00- Discussion Session: Steve Shenker: Strings/Cosmology: Future Tests and Challenges

Monday, June 14

9:00- 9:45 Renata Kallosh: Deformation, Non-commutativity, and the Cosmological Constant Problem

9:45-10:30 Cliff Burgess: Supersymmetric Large Extra Dimensions and the Cosmological Constant

10:30-11:00 Coffee

11:00-11:45 Fernando Quevedo: Inflation and Realistic D-brane models

11:45-12:30 Lev Kofman: Creation of particles, cosmology and moduli trapping

12:30-12:45 Group Photo

12:45-14:00 Lunch

AFTERNOON FREE FOR INFORMAL INTERACTIONS

17:30-19:00 Dinner

19:00- Discussion Session: Robert Brandenberger
Inflation: Future Tests and Challenges

Tuesday, June 15

9:00- 9:45 Andy Albrecht: Can the universe afford inflation?

9:45-10:30 Burt Ovrut: The Fluctuation Spectrum of Big Crunch/Big Bang Cosmology

10:30-11:00 Coffee

11:00-11:45 Willy Fischler: Towards a Mathematical Theory of $p = \rho$ Cosmology

11:45-12:30 David Lowe: Holography and Eternal Inflation

12:30-14:00 Lunch

AFTERNOON FREE FOR INFORMAL INTERACTIONS

17:30-19:00 Dinner

19:00- Discussion Session: Eva Silverstein: Life on the Landscape

Wednesday, June 16

9:00- 9:45 Eva Silverstein: DBI in the Sky and on the Horizon

9:45-10:30 Ruth Gregory: Probing Braneworld Gravity

10:30-11:00 Coffee

11:00-11:45 Ed Copeland

11:45-12:30 Mark Jackson

12:30-14:00 Lunch

AFTERNOON FREE FOR INFORMAL INTERACTIONS

17:30-19:00 Dinner

19:00- Discussion Session: Eva Silverstein: String theory versus the real world

Thursday, June 17

9:00- 9:45 Moshe Rozali: Closed strings in Misner space

9:45-10:30 Petr Horava: Over-Rotating Black Holes and Godel Universes

10:30-11:15 Steve Shenker: The Black Hole Singularity at Weak Gauge Coupling

11:15-11:45 Coffee

12:30-14:00 Lunch