



Banff International Research Station

for Mathematical Innovation and Discovery

Statistical inference Problems in High Energy Physics and Astronomy July 15–20, 2006

MEALS

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 (Max Bell Building accessible by bridge on 2nd floor of Corbett Hall). Hours: 6 am–12 midnight. LCD projector, overhead projectors and blackboards are available for presentations. 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

Saturday

- 16:00** Check-in begins (Front Desk - Professional Development Centre - open 24 hours)
17:30–19:30 Buffet Dinner, Donald Cameron Hall
20:00 Informal gathering in 2nd floor lounge, Corbett Hall
Beverages and small assortment of snacks available on a cash honour-system.

Sunday

PLENARY

- 7:00–8:45** Breakfast
8:45–9:00 Introduction and Welcome to BIRS by BIRS Station Manager
9:00–9:15 Nancy Reid: Introductory Remarks
9:15–9:45 Louis Lyons: Brief introduction to Particle Physics and typical statistical analyses
9:45–10:15 Jim Linneman: Monte Carlo experiments in Physics
10:15–10:45 Coffee Break, 2nd floor lounge, Corbett Hall
10:45–11:15 Byron Roe: Setting the scene for multivariate signal/background separation
11:15–11:45 Radford Neal: Statistician's view of the above
12:00–13:30 Lunch
13:30–14:00 Questions and Discussion
14:00–14:30 Joel Heinrich: Setting the scene for limits and nuisance parameters
14:30–15:30 Luc Demortier: Setting the scene for p-values, including nuisance parameters
15:00–15:30 David van Dyk: Statistician's view of above
15:30–16:00 Tea, 2nd floor lounge, Corbett Hall
16:00–16:30 Xiaoli Meng: Dealing with Nuisances: Principled and Ad Hoc Methods
16:30–17:00 Discussion and Questions
17:00–17:30 Organization of Working Groups and Planning for Tuesday
17:30–19:30 Dinner

Monday **WORKING GROUP DAY; group photo after lunch**
7:00–8:30 Breakfast
8:30–17:30 Working Groups
10:15–10:45 Coffee Break, 2nd floor lounge, Corbett Hall
11:30–13:30 Lunch
13:00–13:45 Optional Guided Tour of The Banff Centre; meet in the 2nd floor lounge, Corbett Hall
14:00–14:15 Group Photo; meet on the front steps of Corbett Hall
15:30–16:00 Tea, 2nd floor lounge, Corbett Hall
17:30–19:30 Dinner

Tuesday **PLENARY MORNING, WORKING GROUPS AFTERNOON**
7:00–8:30 Breakfast
8:30–12:00 Progress Reports from working groups (coffee at 10:30)
12:00–14:00 Lunch
14:00–17:30 Working Groups (tea at 15:30)
17:30–19:30 Dinner

Wednesday **WORKING GROUPS MORNING, FREE AFTERNOON**
7:00–8:30 Breakfast
8:30–11:30 Working Groups (coffee at 10:30)
11:30–13:30 Lunch
13:30–17:30 Free Afternoon: hike/gondola to Sulphur Mountain
17:30–19:30 Dinner
19:30–21:00 Begin reports from working groups

Thursday **PLENARY: Conclusions and next steps**
7:00–8:30 Breakfast
8:30–11:30 Draft outline for report; one representative from each working group to speak
10:00–10:30 Coffee Break, 2nd floor lounge, Corbett Hall
11:30–13:30 Lunch

Checkout by 12 noon.

** 5-day workshops are welcome to use the BIRS facilities (2nd Floor Lounge, Max Bell Meeting Rooms, Reading Room) until 3 pm on Thursday, although participants are still required to checkout of the guest rooms by 12 noon. **