

# Welcome

## Australian Meeting on Accelerator-Based Particle Physics

Feb 18-19, 2019

S2 Lecture Theatre, Monash University



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**Organizers:** [Peter Skands](#), Paul Jackson, Ray Volkas, Archil Kobakhidze,  
Jordan Nash, Csaba Balazs, German Valencia, Peter Athron

# Program

Focuses on future directions for the field of accelerator-based particle physics in Australia

## Today

- **Session 1** (10:30 - 12:30) : **Overview of HEP groups**: status, activities, and plans
- **Session 2** (12:45 - 13:15) : **Accelerator science in Australia** (w ANSTO)

— Lunch —

- **Session 3** (14:15 - 16:00) : Future of HEP: **Major (International) Projects**
- **Session 4** (16:15 - 18:30) : Discussions on **National Roadmap** for HEP

— Dinner at Notting Hill Hotel —

## Tomorrow

- **Session 5** (09:00 - 10:40) : **Science Talks** - Part I
- **Session 6** (11:00 - 12:20) : **Science Talks** - Part II
- **Session 7** (12:20 - 13:00) : Discussion Time: **Joint Ventures**, Collaborations

*Small seminar room available as working space both days, eg for any who will not be participating in discussion sessions*

# Indico - Detailed View

For any not familiar with indico, to see the individual talks / slots, click on "Detailed View"

Mon 18/02 Tue 19/02 All days

Print PDF Full screen Detailed view Filter

09:00 Science Session: Contributed Talks

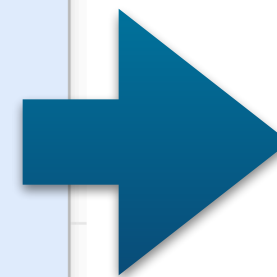
10:00

11:00

12:00 S2 Lecture Theatre, Monash University 09:00 - 12:20

Strategy Session: Synergy and Joint Ventures - Discussion

13:00 S2 Lecture Theatre, Monash University 12:20 - 13:00



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Session legend

Science Session Strategy Session

09:00 Searching for charged lepton flavour violation at colliders Michael Schmidt 09:00 - 09:18  
S2 Lecture Theatre, Monash University

Search for new physics using electroweak penguin decays of b-hadrons Ulrik Egede 09:20 - 09:38  
S2 Lecture Theatre, Monash University

Anatomy of a six-parameter fit to the b to s l+ l- anomalies Ursula Laa 09:40 - 09:58  
S2 Lecture Theatre, Monash University

10:00 Hadron Collider Sensitivity to Fat Flavourful Z's for RK(\*) Dr Matthew Dolan 10:00 - 10:18  
S2 Lecture Theatre, Monash University

CP Violation measurements at Belle II Martin Sevier 10:20 - 10:38  
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Tea and Coffee 10:40 - 11:00  
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11:00 From HEP to Particle Therapy Anatoly Rozenfeld 11:00 - 11:18  
S2 Lecture Theatre, Monash University

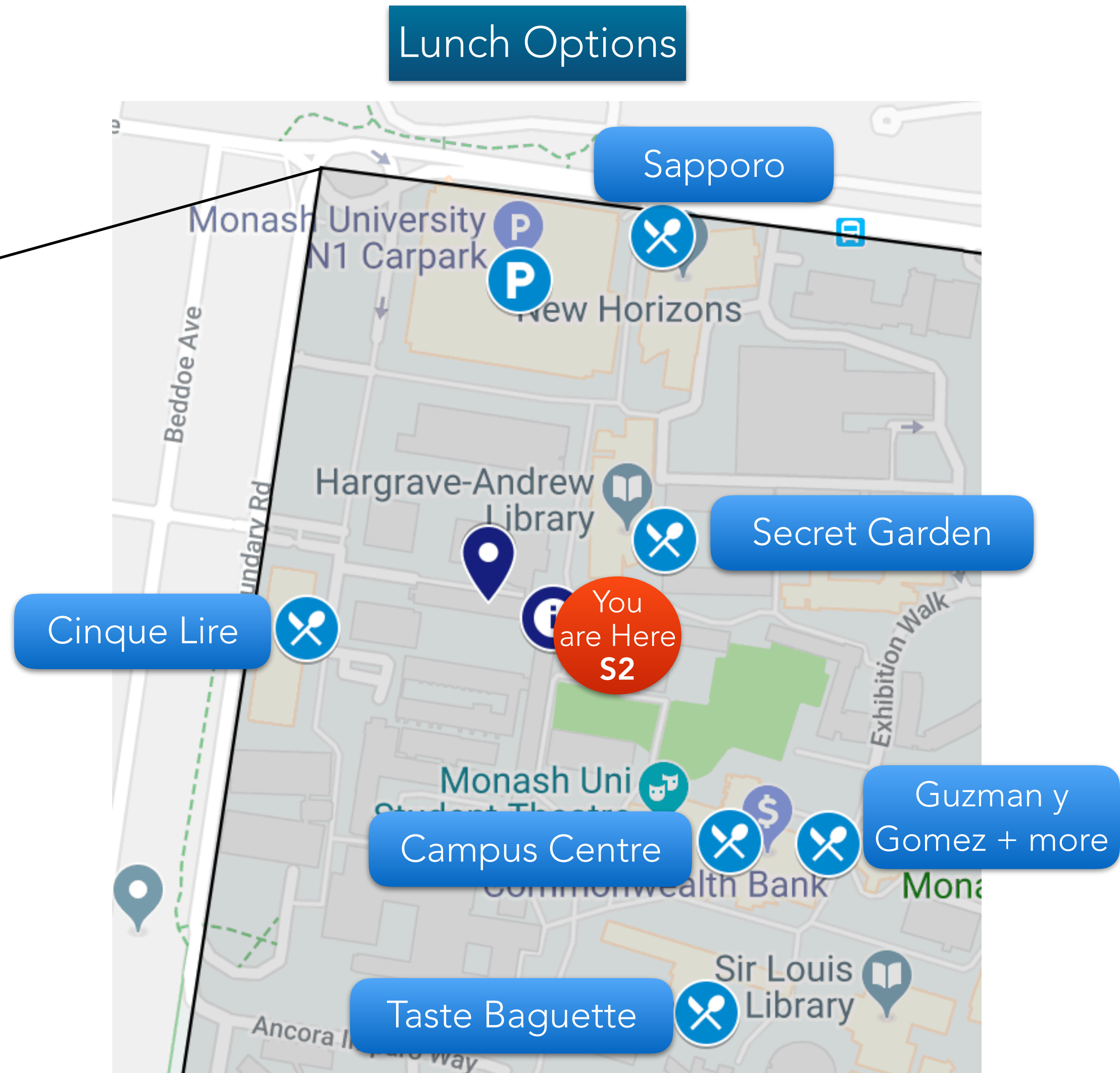
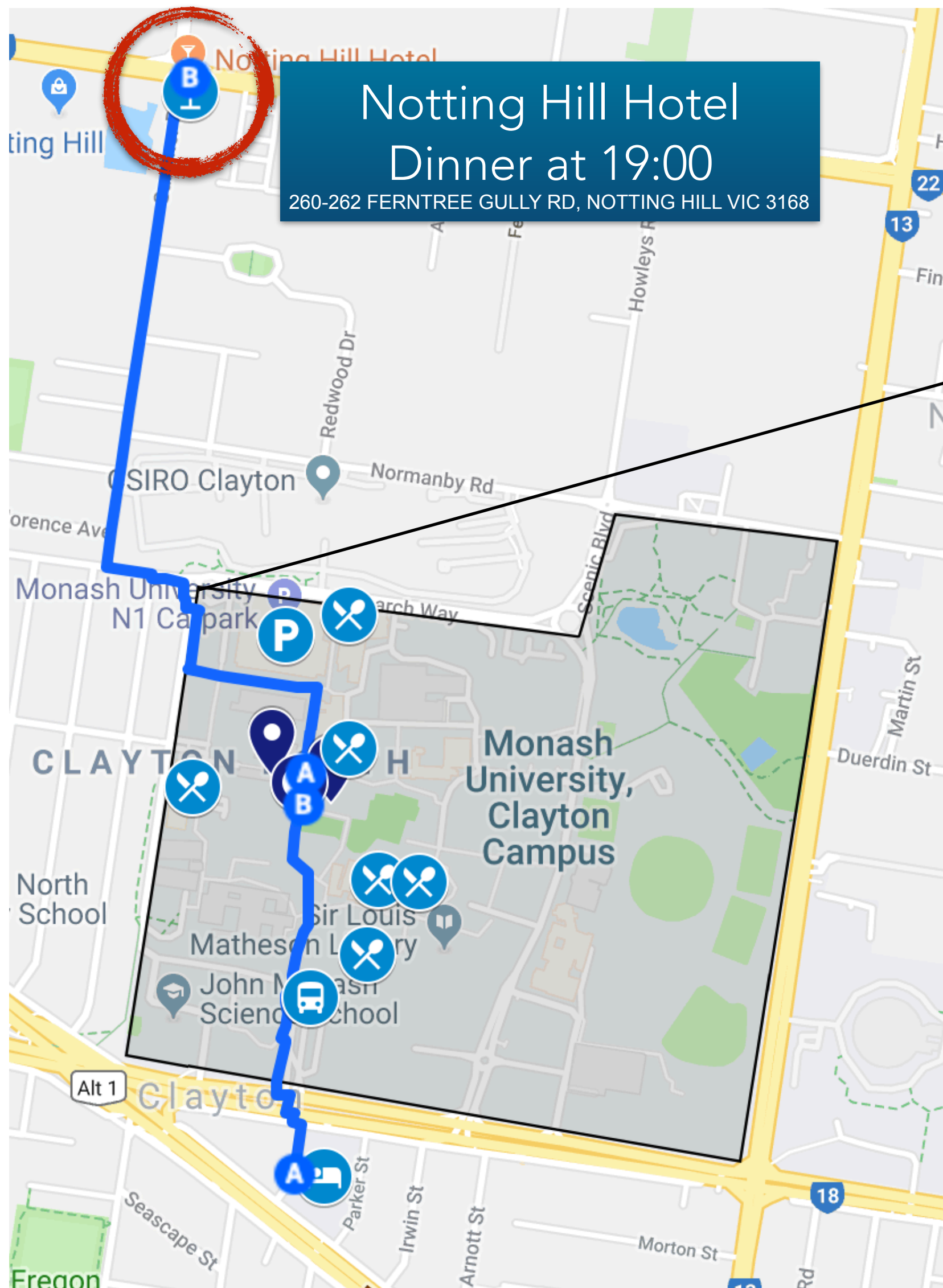
Topological avatars of the Standard Model Archil Kobakhidze 11:20 - 11:38  
S2 Lecture Theatre, Monash University

Optimising ATLAS searches for supersymmetry Martin John White 11:40 - 11:58  
S2 Lecture Theatre, Monash University



# Monash Campus Map

Online version linked from meeting web page



# Purpose and Exhortation

*"the totality is not, as it were, a mere heap"*

Aristotle,  
Metaphysics

**Collaboration** — quintessential for accelerator-based science

**Planning** — large long-term projects — and Australia's role in them

**Sharing Science** — at the cutting edge of Particle Physics & related fields

Buzzword of the day (OED)

**synergy**   
(also **synergism**)



**NOUN**

*[mass noun]*

The interaction or cooperation of two or more organizations, substances, or other agents to produce a combined effect greater than the sum of their separate effects.