NUS Physics
Germany Immersion Programme

2\textsuperscript{rd} – 22\textsuperscript{nd} June 2008
Outline

• Brief summary of the trip
• Places we visited
• Things we have learned from the trip
• Should such a trip be organised again in future?
Physics in Germany
Munich

2\textsuperscript{rd} – 13\textsuperscript{th} June

- Universities
- Max-Planck Institutes
- Deutsche Museum
Ludwig-Maximillians University of Munich

- Largest university in Germany
- Site of 1943 White Rose campaign where students conducted anti-Nazi activities
- Heisenberg, Max Planck and Pauli were associated with the university
Max Planck Institutes

- Max Planck Institute for Quantum Optics
Deutsche Museum

- Largest museum in Germany for Science and Technology
- “All physicist must go!!!” – BG Englert
Goettingen

14\textsuperscript{th} – 20\textsuperscript{th} June

- Georg-August Universitat
- Institute of Astrophysics
- Particle Accelerator Lab
- Max Planck Institute
Georg-August Universität
Institute of Astrophysics

- Observatory at the top of the university building
Particle Accelerator Lab

• The particle accelerator at Georg-August University
Burg Adelebsen
Tomb Raider in Munich & Gottingen

- Cemetery where famous physicists such as Max Planck, Born and Schwarzschild were buried
Food & Beer
Friendly student helpers...
Exposure to new and many exciting areas of research in Physics

- Biophysics
- Quantum Optics
- Cosmology
- Plasma Physics
- Astrophysics / Nuclear Astrophysics

Glimpse of undergraduate studies in Germany (interactive demonstration of physical principles in Electrodynamics lecture)

Visits to places where Nobel laureates once studied or lived .. or even buried !
How will this immersion programme benefit students?

- Gain more exposure to physics research/education in different countries
- Learn how people approach physics from different viewpoints (labs, teaching)
- Opportunity to meet and interact with fellow students from Germany
- Immerse in alternative culture and methodology
- An opportunity to visit Germany!
Thank You !!!