

Quantum Theory in Search of Reality

Wednesday April 11

Seminar Topic: Erasers, Pots and Interpretations

Seminar Break: Katy and Yi-Wei

Readings for presentations:

Boccio ---- Chapter_15 Sections 15.1-15.2 (pages 565-577)

Chapter_16 Sections 16.1-16.3 (pages 579-609)

Presentations:

Sections 15.1(pages 565-573) Quantum Erasers (Complementarity and Entanglement)	<u>_Sam and Yi-Wei_</u>
Section 15.2(pages 573-577) Watching the Quantum Pot	<u>_Aileen_</u>
Section 16.1,16.1.1(pages 579-584) What is an Interpretation? The Nature of Probability	<u>_Eduardo_</u>
Section 16.1.2(pages 584-586) State Reduction	<u>_Michael_</u>
Section 16.1.3,16.1.4(pages 586-588) Entanglement and Measurement	<u>_Taryn_</u>
Section 16.2,16.2.1-.2(pages 588-599) The Copenhagen Interpretation and Bohr	<u>_Carolyn_</u>
Section 16.2.3(pages 599-602) Heisenberg and Potentia	<u>_Amir_</u>
Section 16.2.4(pages 602-604) von Neumann and Measurement	<u>_Daniel_</u>
Sections 16.2.5,16.2.6(pages 604-606) Mind of the Observer and the Deep End	<u>_Katy_</u>
Sections 16.2.7,16.3(pages 606-609) Conclusions and Further Conclusions	<u>_Estefania_</u>