

Quantum Theory in Search of Reality

Wednesday February 15

Seminar Topic: More Experiments and Start of Mathematics

Seminar Break: Yi-Wei/Katy

Readings for presentations:

Boccio ---- Chapter_06 Section 6.1 (pages 205-253)

Gribbin --- Chapter 07

Presentations:

Section 6.1 (pages 205-209) Describing Quantum States	<u>Eduardo</u>
Section 6.1 (pages 209-212) Mach-Zehnder Again	<u>Taryn</u>
Section 6.1 (pages 212-215) States in SG Experiment	<u>Michael</u>
Section 6.1(pages 215-218) What are Quantum States?	<u>Aileen</u>
Section 6.1(pages 218-222) Amplitudes	<u>Sam</u>
Section 6.1(pages 222-225) Change of Basis; Language; Bases	<u>Katy</u>
Section 6.1(pages 225-227) Really!	<u>Daniel</u>
Section 6.1(pages 227-230) Measurement; Embracing Change; States	<u>Yi-Wei</u>
Section 6.1(pages 230-234) Expectation Values; Operators	<u>Carolyn</u>
Section 6.1(pages 234-236) Represent Operators; Projectors	<u>Amir</u>
Section 6.1(pages 237-241) How States Evolve; State Reduction Necessary!	<u>Estefania</u>
Section 6.1(pages 241-253) Double Slit with Amplitudes	<u>Professor</u>