

Quantum Theory in Search of Reality

Thursday February 16

Seminar Topic: More Experiments and Start of Mathematics

Seminar Break: Yared/Rose

Readings for presentations:

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

Gribbin --- Chapter 07

Presentations:

Section 6.1 (pages 205-212) Stern-Gerlach Experiment; Mach-Zehnder	_Rita_
Section 6.1 (pages 212-215) States in SG Experiment	_Darien_
Section 6.1(pages 215-218) What are Quantum States?	_Yared_
Section 6.1(pages 218-222) Amplitudes	_Rose_
Section 6.1(pages 222-225) Change of Basis; Language; Bases	_Patricia_
Section 6.1(pages 225-227) Really!	_Joyce_
Section 6.1(pages 227-230) Measurement; Embracing Change; States	_Max_
Section 6.1(pages 230-234) Expectation Values; Operators	_Joseph_
Section 6.1(pages 234-236) Represent Operators; Projectors	_Lily_
Section 6.1(pages 237-241) How States Evolve; State Reduction Necessary!	_Amelia_
Section 6.1(pages 241-253) Double Slit with Amplitudes	_Professor_