

Physics 002B

Assignment #3

Quantum Theory in Search of Reality

Thursday February 02

Seminar Topic: More Experiments and Start of Mathematics

Seminar Break: Joyce/Patricia

Readings for presentations:

Boccio ---- Chapter_03 Section 3.2

Boccio ---- Chapter_04 Section 4.1

Readings for alternative views and other background:

Gribbin --- Chapter 05

Presentations:

Section 3.2 (pages 110-115) Interference Experiment: First Thoughts	_Lily/Rita_
Section 2.1(pages 115-118) Mach-Zehnder with Photons	_Joyce/Darien_
Section 2.1(pages 118-121) Delayed Choice	_Amelia/Patricia/Joseph_
Section 2.1(pages 121-124) Another Interference Experiment	_Max/Yared/Rose_
Section 4.1(pages 125-144) States, Operators and New Math Simple Classical Probability Simple Complex Numbers Vectors, bases and inner products Two-Path Experiment Explained	_Professor_