

## PHYS 2604

### Final Exam Information

The exam will be held at 14:00 on Saturday, December 12 in the Fieldhouse, rows 35 and 36.

You may bring one 8.5"  $\times$  11" aid sheet, both sides allowed. You may bring a calculator.

The parts of the book we covered:

Chapter 1: Sections 1.1, 1.2, 1.3, 1.5, 1.6

Chapter 2: All but Section 2.8; Additionally, we did four vectors (space-time and energy-momentum; single particle kinematics; decay and collision kinematics; pair production processes. We also introduced the "zero momentum frame" (also called the centre of mass frame).

Chapter 3: All Sections

Chapter 4: All Sections

Chapter 5: Sections 5.1, 5.2, 5.3, 5.4, 5.5 (idea of principle of complementarity covered but not explicitly double slit experiment), 5.6

Chapter 9: Sections 9.1, 9.2, 9.3, 9.4, 9.5 ("Classical Distributions" only)

Chapter 12: Sections 12.1, 12.2, 12.3, 12.4, 12.5 (except Nuclear Models), 12.6, 12.7, 12.8 (except the Dating details)