

Physics 4410
Quantum Mechanics 2

Lecture 32

Spontaneous emission of radiation

November 16, 2020

1. Review Fermi's golden rule.

2. Describe coupling to electromagnetic radiation.

3. Summarize background electromagnetic radiation at finite temperature.

4. What are the transition rates due to background radiation?

5. Explain spontaneous emission.

6. Consider the spontaneous emission of radiation from a spherically symmetric system.