

Physics 418, Homework Assignment

Due in Class, Monday, April 19, 2004

1. Griffiths: 8.15

2. Griffiths: 8.17

3. Griffiths: 10.2

Assume $\tau^- \rightarrow \mu^- \bar{\nu}_\mu \nu_\tau$ and double it to account for $\tau^- \rightarrow e^- \bar{\nu}_e \nu_\tau$

Then compare with Particle Data Group list of τ decay modes.

4. Griffiths: 10.10

5. Griffiths: 10.12