Physics 4261: Homework 10 (due Apr. 10, 2017)

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10.1. **Foot 9.1**

10.2. **Foot 9.3** [CP Note: You will have to discard terms of order $(v/c) \times (E_r/\hbar\omega_0)$. I also think that there are other terms of order $(\mathbf{k} \cdot \mathbf{v})^2$]

10.3. **Foot 9.8**