習題二

1. Textbook Ch. 1 4,5,6,13

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1. Consider the decay of a particle at rest of mass into a particle of mass and a massless neutrino, . Due to momentum conservation, the magnitude of the momentum equals that of Denote their momentum magnitude as Write down the energies of and in terms of . Use energy conservation to solve in terms of . (20)

提示：Use the formula we solve in the homework,

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解答：. , *.*

Energy conservation:

Move to the left and square both sides and can solved