

**[mex225]  $K$  meson decay**

A  $K$  meson (rest energy 494 MeV) decays into two  $\pi$  mesons (rest energy 137 MeV). In the frame where one of the  $\pi$  mesons is at rest find (a) the energy of the other  $\pi$  meson and (b) the energy of the original  $K$  meson.

**Solution:**