



**Figure 1:** Decay energy distribution for  $\mu^- \rightarrow e^- \bar{\nu}_e \nu_\mu$ .  $n(x)$  is the energy distribution for the electron (neglecting its rest mass) and  $n'(x)$  is the energy distribution of the electron antineutrino.  $\alpha(x)$  is the asymmetry parameter of the muon (see Section 23.7 of the book).