



**Figure 1:** Ternary (also Dalitz) plot of a three-body decay. The circles represent 1000 events in the kinematically allowed region. Phase space predicts a uniform population in these regions. For illustration, the mass of the parent particle  $M$  is 100 GeV. (left) Massless daughter particles; (right) the masses were chosen to be  $m_1 = 1$  GeV,  $m_2 = 10$  GeV, and  $m_3 = 30$  GeV.

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