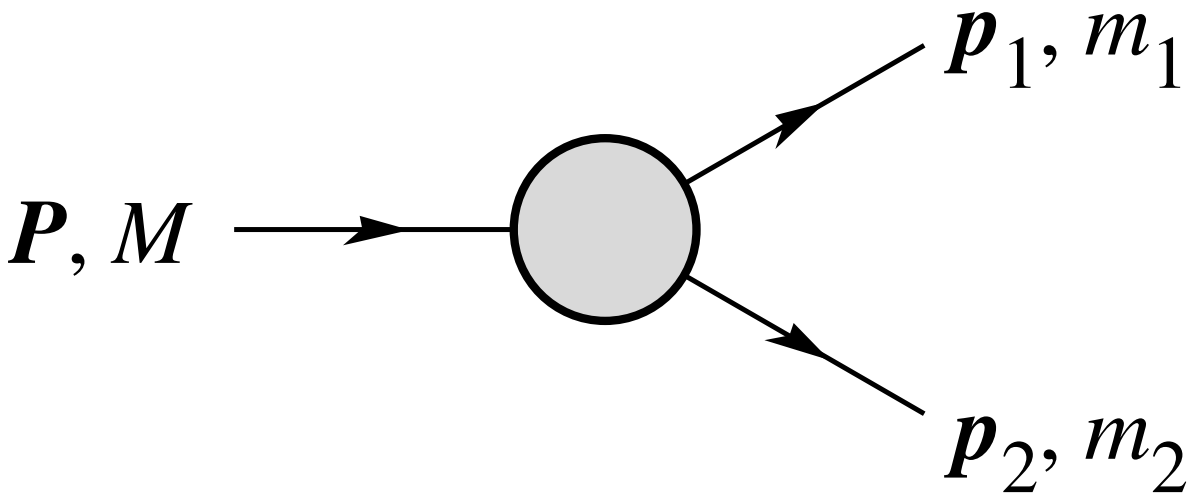
$\boldsymbol{p}_1, m_1$
$\boldsymbol{P}, M$
$\boldsymbol{p}_2, m_2$