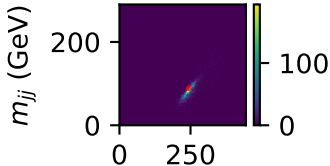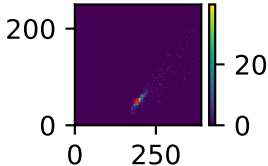Example signal shapes (m_X, m_S points marked in red)