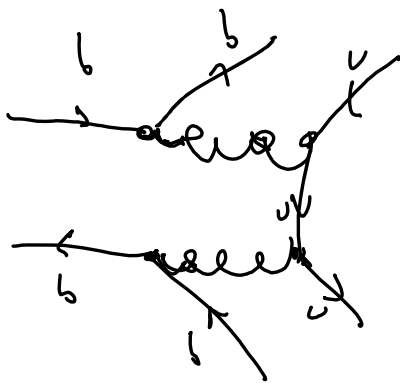


2.9.

We would expect that a possible decay mode of the ρ is



$$\rho \rightarrow B + \bar{B}$$

However, the lifetime of the ρ is long enough that its decay must be via an OZI suppressed process. This implies that the decay above must be kinematically forbidden. Hence the B meson must be at least half the mass of the ρ meson. (I.e., larger than 4730 MeV.)