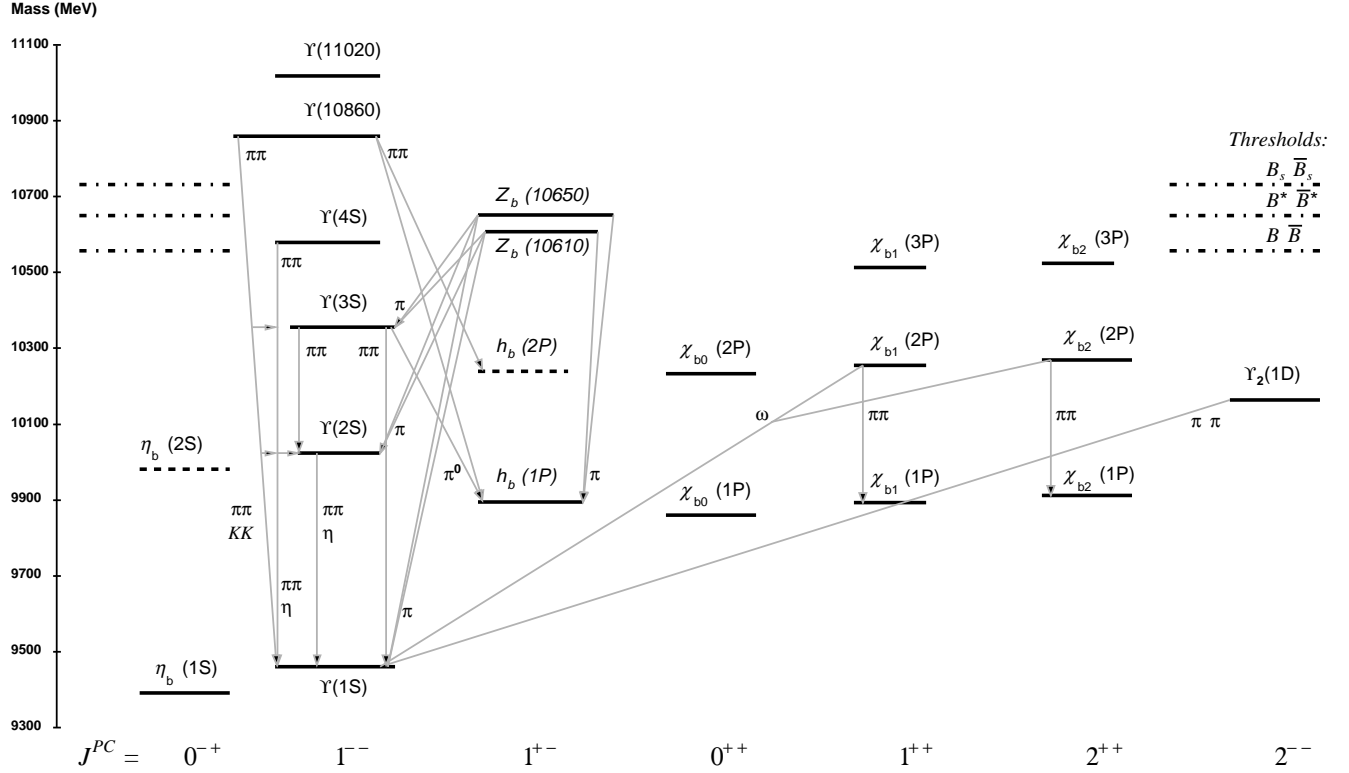


# Bottomonium System

Updated August 2019.



The level scheme of meson states containing a minimal quark content of  $b\bar{b}$ . The name of a state is determined by its quantum numbers  $I^G J^{PC}$  (see the review “Naming Scheme for Hadrons”). States included in the Summary Tables are shown with solid lines; those requiring confirmation are shown with dotted lines. The arrows indicate the most dominant hadronic transitions. Single photon transitions, including  $\Upsilon(nS) \rightarrow \gamma\eta_b(mS)$ ,  $\Upsilon(nS) \rightarrow \gamma\chi_{bJ}(mP)$ , and  $\chi_{bJ}(nP) \rightarrow \gamma\Upsilon(mS)$ , are omitted for clarity. For orientation, the location of the thresholds related to a pair of ground state open bottom mesons is indicated in the figure.