The level scheme of the $b\bar{b}$ states showing experimentally established states with solid lines. Singlet states are called $\eta_b$ and $h_b$, triplet states $\Upsilon$ and $\chi_{bJ}$. In parentheses it is sufficient to give the radial quantum number and the orbital angular momentum to specify the states with all their quantum numbers. E.g., $h_b(2P)$ means $2^1P_1$ with $n = 2$, $L = 1$, $S = 0$, $J = 1$, $PC = +−$. The figure shows observed hadronic transitions. The single photon transitions $\Upsilon(nS) \rightarrow \gamma \eta_b(mS)$, $\Upsilon(nS) \rightarrow \gamma \chi_{bJ}(mP)$, and $\chi_{bJ}(nP) \rightarrow \gamma \Upsilon(mS)$ are omitted for clarity.