

Mode	Quark content	Decay mode	Search window
I	$\bar{b}duud$	$P_{B^0 p}^+ \rightarrow J/\psi K^+ \pi^- p$	4668–6220 MeV
II	$b\bar{u}udd$	$P_{\Lambda_b^0 \pi^-}^- \rightarrow J/\psi K^- \pi^- p$	4668–5760 MeV
III	$\bar{b}duud$	$P_{\Lambda_b^0 \pi^+}^+ \rightarrow J/\psi K^- \pi^+ p$	4668–5760 MeV
IV	$\bar{b}suud$	$P_{B_s^0 p}^+ \rightarrow J/\psi \phi p$	5055–6305 MeV