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## Implications of spin symmetry for XYZ states

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In the last decade, numerous states have been observed which contain a heavy quark-antiquark pair, but demonstrate properties at odds with a simple quarkonium assignment. Such states are conventionally denoted as exotic states and traditionally labelled by the letters X, Y and Z.

Due to the presence of the heavy quarks, properties of various exotic states can be related through the Heavy Quark Spin Symmetry (HQSS). We build an Effective Field Theory approach to exotic molecular states in the spectrum of bottomonium which respects HQSS and fix all the parameters directly from the existing experimental data for the  $Z_b(10610)$  and  $Z_b(10650)$  resonances. Then the properties, such as the line shapes and the poles position, of their spin partners  $W_b J$  ( $J^{PC}=J^{++}$ ,  $J=0,1,2$ ) are predicted in a parameter-free way.

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