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Study of $\chi_{bJ}(nP) \rightarrow \omega\Upsilon(1S)$ at Belle ZACHARY STOTTLER, Virginia Polytechnic Institute and State University, BELLE COLLABORATION — We report on a search for the $\chi_{bJ}(nP)$ states of bottomonium at Belle. The P-wave states are reconstructed in decays to the $\Upsilon(1S)$ with the emission of an ω meson. The transitions of the $n = 2$ triplet states provide a unique laboratory in which to study the non-relativistic limit of the QCD multipole expansion model (QCDME), as the kinematic threshold for production of an ω and $\Upsilon(1S)$ lies between the $J = 0$ and $J = 1$ states. A search for the $\chi_{bJ}(3P)$ states is also performed.

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