Abstract Submitted for the APR21 Meeting of The American Physical Society

Search for W_{bj} states in $\Upsilon(5S)$ decays¹ VLADIMIR SAVINOV, NICHOLAS CORRADO, University of Pittsburgh, BELLE COLLABORATION — The recent discovery of the states Z_b and Z_b' implies the possible existence of a new family of hadronic resonances including molecular states dubbed W_{bJ} . We describe a search for W_{bJ} in $\Upsilon(5S)$ decays using 121.4 fb⁻¹ of data collected with the Belle detector at the KEKB asymmetric-energy electron-positron collider.

¹DOE award number DE-SC0007914

Vladimir Savinov University of Pittsburgh

Date submitted: 31 Dec 2020 Electronic form version 1.4