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Baryon spectrum with a contact interaction

We present the spectrum of positive-parity baryons composed of light and heavy quarks. Our analysis is provided by a symmetry preserving Schwinger-Dyson Bethe-Salpeter Equation
(SDBSE) approach of a vector-vector contact interaction model. Our computations include the results using two different sets of parameters: one used to compute observables of light quarks, where the QCD-coupling is strong; and other considering the fact that in the reign of heavy quarks, the QCD coupling constant becomes smaller.

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Track Classification: Spectroscopy of hadrons