

Abstract Submitted
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Quark Dressing and Constituent Mass Behavior for Heavy Quark Mesons¹ NICHOLAS SOUCLAS, Kent State University, PIETER MARIS, Iowa State University, PETER TANDY, Kent State University — We explore the effects of quark dressing upon the masses and electroweak decay constants of ground state pseudoscalar and vector quarkonia and heavy-light mesons. Quark masses are varied from the u/d region to the b-quark region. The effectiveness of a constituent mass approximation is evaluated. Residual effects of dressing are clearly evident in the values of the decay constants in the c- and b-quark regions. This fully covariant study is made with a consistent ladder-rainbow truncation for the Bethe-Salpeter and Dyson-Schwinger equations.

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