## Abstract Submitted for the APR09 Meeting of The American Physical Society

Towards 4-quark states with 2 heavy quarks<sup>1</sup> R.R. SILBAR, T. GOLDMAN, Los Alamos National Laboratory — We study the changes in the relativistic wave functions of quarks in a (linear) confining potential as a function of quark mass and the effect of color Coulomb contributions. Our goal is to delineate the uncertainties in phenomenological estimates of the masses of multiquark (molecular) states that are expected in QCD.

<sup>1</sup>NNSA of the DOE, Contract DE-AC52-06NA25396

Richard Silbar Los Alamos National Laboratory

Date submitted: 25 Feb 2009 Electronic form version 1.4