

Abstract Submitted  
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**Quark Distributions and Nuclear Binding** WAVERLY GORMAN,  
New Mexico State University — We consider a 1+1 dimensional model for nuclei  
where the ‘nucleons’ are represented by a heavy-light system. This allows for the  
study of binding energies and quark distributions as a function of the separation  
between the nucleons. We find a significant shift of quark distributions towards  
smaller momentum.

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