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## Nuclear physics beyond QCD

*Friday, 27 June 2014 14:15 (20 minutes)*

We consider QCD-like, composite models of dark matter and investigate what role nuclear physics may play in the dark sector. We compute the multi-particle spectrum of  $SU(N_c=2)$  gauge theory with two fundamental fermions, finding strong evidence for the existence of bound multi-hadron systems (nuclei) in this theory. We briefly discuss the rich phenomenological consequences of such strong interaction dynamics.

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