Laboratory for Elementary Particle Physics (LEPP) **Theory Seminar**

S-Confining Product Gauge Groups and Composite Axions



A class of SU(N) product gauge groups confine without breaking chiral symmetry. Each of these models has a quantum-modified moduli space which is described by a minimal set of gauge-invariant operators and a dynamically generated superpotential. Composite models of this type are particularly adept at protecting global symmetries: as an example, we describe a new composite axion model where the Peccei-Quinn symmetry is protected to arbitrary order.

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Wednesday September 20th, 2017 2:00pm 401 Physical Sciences Building

LEPP, the Cornell University Laboratory for Elementary-Particle Physics, and CHESS resources have merged, and a new lab (CLASSE), has formed. LEPP's primary source of support is the National Science Foundation. Visit us at www.lepp.cornell.edu