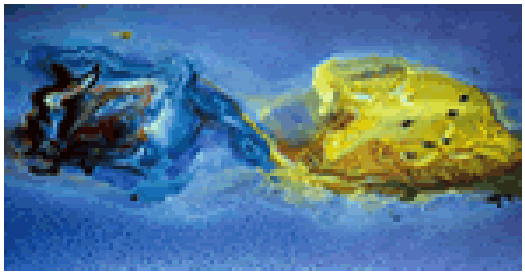

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The emergent light BSM scalar as 0++ sigma-particle or dilaton

Thursday 2 August 2018 14:00 (30 minutes)

The effective field theory of the light 0^{++} scalar is discussed in an important near-conformal strongly coupled BSM gauge theory and its lattice simulations. Relevant for the composite Higgs, two distinct scenarios are analyzed for the emergent light scalar as composite σ-particle of chiral symmetry breaking or the dilaton of conformal symmetry breaking.

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