

## Probing the composite light scalar of the sextet model for dilaton fingerprints

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The light  $0^{++}$  scalar can be probed for dilaton signatures in near-conformal gauge theories. A case study is presented for the analysis of the  $SU(3)$  gauge theory with two fermions in the two-index symmetric representation (sextet model). It is shown that statistical methods which are based on Bayesian Markov Chain Monte Carlo analysis are important for robust tests of dilaton fingerprints in lattice gauge configurations.

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