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## From Gauge Theory to Higgs Compositeness Using EFT

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In recent years, many numerical investigations of confining Yang Mills gauge theories near the edge of the conformal window have been carried out using lattice gauge theory techniques. These studies have revealed that the spectrum of hadrons in nearly conformal gauge theories differs significantly from the QCD spectrum. In particular, a light singlet scalar appears in the spectrum which is nearly degenerate with the PNBs. This state is a viable candidate for a composite Higgs boson. I report on an investigation which uses both numerical lattice calculations and EFT techniques to determine the correct effective description of nearly conformal gauge theories. I assess a conjecture that the low-lying states are described by a linear sigma model.

### Summary

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**Primary authors:** GASBARRO, Andrew (Yale University); LATTICE STRONG DYNAMICS COLLABORATION

**Co-author:** INGOLDBY, James (Yale University)

**Presenter:** GASBARRO, Andrew (Yale University)

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