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Lattice simulations of technicolour theories with adjoint fermions and supersymmetric Yang-Mills theory

Wednesday, 15 July 2015 15:00 (20 minutes)

In this talk I will present our newest results from the lattice simulation of $SU(2)$ adjoint QCD with two Dirac flavours, also known as minimal walking technicolour. These results include the mass spectrum of the theory, in particular mesonic states with disconnected contributions and a specific spin half fermion-gluon state of the theory. I will discuss the results in comparison with $SU(2)$ adjoint QCD with one Dirac flavour and supersymmetric Yang-Mills theory.

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