

Contribution ID: 33 Type: not specified

## New results with colour-sextet quarks

Tuesday, 15 June 2010 10:30 (20 minutes)

We have been studying lattice QCD with colour-sextet staggered quarks, as a model for conformal/walking technicolor. We are studying the thermodynamics of these theories and using the positions of the deconfinement

and chiral transitions to try to distinguish between conformal and walking behaviour. Our preliminary simulations

with  $N_f=2$ , on  $N_t=4$  and  $N_t=6$  lattices, favoured the walking scenario. I will present new results at  $N_t=8$ . In

addition I will present the results from simulations with  $N_f=3$ .

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talk

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Session Classification: Parallel 14: Applications beyond QCD

Track Classification: Applications beyond QCD