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Numerical simulation of $N=1$ supersymmetric Yang-Mills theory using domain wall fermions

Tuesday 25 November 2008 10:30 (1 hour)

I will present results from a numerical study of $N=1$ supersymmetric Yang-Mills theory using domain wall fermions. In this particular lattice formulation of the theory, supersymmetry is expected to emerge accidentally in the continuum and chiral limits without fine-tuning of operators. Results from this study will include measurements of the static potential, residual mass, gluino condensate as well as some preliminary measurements of the spectrum.

Presenter: Dr ENDRES