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Sp(2N) gauge theories on the lattice.

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Yang-Mills theories based on the Symplectic groups (denoted by $Sp(2N)$) have the potential to describe a composite Higgs particle. To gain a better understanding of such theories, it is important to understand the dynamics of the pure Yang-Mills sector as well as in the presence of fermions. A detailed study of the glueball spectrum has been carried out for $N = 1, 2, 3$ and 4 along with an extrapolation to the large- N limit. We begin a study of the meson spectrum as a logical continuation to these studies with a view to applying the results to composite Higgs models.

Would you be interested in receiving feedback on your talk?

Yes

Will you be pre-recording your talk?

No

Length of talk

3-5 minutes

Are you happy for your talk to be recorded?

Yes

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