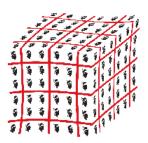
Lattice2010



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## Search for non-perturbative mechanisms to generate a W boson mass

Thursday, 17 June 2010 16:40 (20 minutes)

As long as a Higgs boson is not observed, the design of alternative mechanisms for electroweak symmetry breaking remains of interest. The question addressed here is whether there are possibly non-perturbative mechanisms, which deconfine SU(2) at zero temperature and generate massive vector bosons. Results for a model with a mixing interaction of SU(2) and U(1) gauge fields, which is invariant under unified SU(2) $\otimes$ U(1) gauge transformations, are presented.

## Please, insert your presentation type (talk, poster)

Talk

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