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

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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

**Primary author:** BERG, Bernd (Florida State University)

**Presenter:** BERG, Bernd (Florida State University)

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