



ID de Contribution: 43

Type: **Ordinary**

Strong electroweak symmetry breaking

mercredi 7 mars 2012 17:40 (15 minutes)

In the absence of an elementary scalar boson the perturbative description of the Standard Model breaks down at energies around 1TeV. Heavy spin-1 fields coupled to W and Z bosons can extend the validity of the theory up to higher scales. In my talk I will discuss the prospects to observe the degrees of freedom that unitarize the WW scattering amplitudes in the context of strong electroweak symmetry breaking saturated by vector resonances. The study performed in a simple self-consistent setup with a well defined range of validity will enable us to answer the question about the allowed mass range for the lightest set of resonances.

Auteurs principaux: M. FALKOWSKI, Adam (Orsay); M. WEILER, Andreas (DESY); Mme KAMINSKA, Anna (University of Warsaw); M. CHRISTOPHE, Grojean (CERN and CEA-Saclay); POKORSKI, Stefan (University of Warsaw)

Orateur: Mme KAMINSKA, Anna (University of Warsaw)

Classification de Session: EWSB (SM and beyond). Precision tests

Classification de thématique: Theory