Contribution ID: **6** Type: **not specified**

Low-energy signals of dynamical electroweak symmetry breaking

Tuesday, 8 September 2015 09:15 (30 minutes)

Strongly-coupled electroweak scenarios are characterized by a spectrum of massive states at high scales. Using effective field theory techniques, we analyse their phenomenological implications at low energies. Integrating out the heavy particles, one gets a definite pattern of low-energy couplings in the resulting effective Lagrangian, which depends on the quantum numbers associated with the integrated states and the ultraviolet properties of the underlying dynamics. A systematic study of these patterns will help to infer useful dynamical information from any future experimental signals indicating small deviations from the Standard Model predictions.

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Session Classification: Session 1