



ID de Contribution: 11

Type: Non spécifié

Interpreting a 2 TeV resonance in WW scattering

jeudi 26 novembre 2015 16:30 (30 minutes)

A diboson excess has been observed —albeit with very limited statistical significance— in WW, WZ and ZZ final states at the LHC experiments using the accumulated 8 TeV data. Assuming that these signals are due to resonances resulting from an extended symmetry breaking sector in the standard model and exact custodial symmetry we determine using unitarization methods the values of the relevant low-energy constants in the corresponding effective Lagrangian. Unitarity arguments also predict the widths of these resonances. We introduce unitarized form factors to allow for a proper treatment of the resonances in Monte Carlo generators and a more precise comparison with experiment.

Orateur: Prof. ESPRIU, Domenec (ICCUB-Universitat de Barcelona)

Classification de Session: CoDyCE 1