Contribution ID: **49** Type: **not specified**

Higgs boson from a soft wall geometry

Many different extensions of the Standard Model have been proposed where the Higgs doublet is emerging as a bound state from a new physics strongly coupled sector: I discuss a general class of these models, recently reviewed in 1511.08218, where the new sector is an approximate conformal theory and the Higgs scalar experiences non trivial spectral properties, as a Higgs continuum, besides the 125 GeV pole. A novel realization of these models is then proposed in terms of a dual description based on a warped five dimensional theory with a soft wall geometry and some properties of this scenario are derived.

Presenter: Dr PAROLINI, Alberto