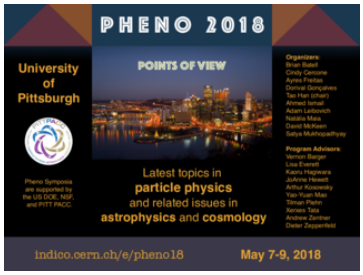

Contribution ID: **568** Type: **parallel talk**

Higgs to ZZ and Zγ in the SMEFT at NLO

Monday 7 May 2018 17:30 (15 minutes)

The LHC experimental discovery of the Higgs boson, along with the measurement of Higgs properties suggests that the SM is a valid effective theory at the weak scale. The lack of new particles up to the TeV scale makes possible the parameterization of possible high scale physics effects in terms of higher dimension operators containing only SM fields (SMEFT). In this talk I will present the computation of the NLO corrections to the Higgs decays to Z boson pairs and Zγ in the context of the SMEFT. This is a precursor of the eventual one-loop $H \to Z\bar{f}f$ SMEFT calculation.

Summary

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