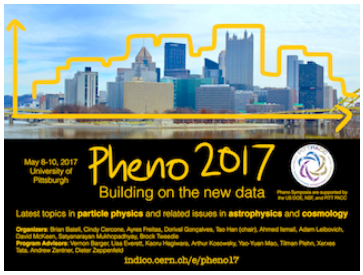

Contribution ID: **229** Type: **parallel talk**

A Cosmologist's Perspective on Higgs Factories

Tuesday, 9 May 2017 16:45 (15 minutes)

To probe the electroweak phase transition, cosmologists are looking forward to the next generation of high energy collider experiments, which will likely be electron-positron colliders that sit at the threshold to produce a Z-boson and Higgs boson pair. These Higgs factories will furnish precisions measurements of the Higgs's couplings to other Standard Model particles. In the talk, I will discuss a few simplified extensions of the Standard Model that include new particles at the electroweak scale, and I will assess how precision measurements of the Higgs-Z-Z coupling, in particular, can be used to deepen our understanding of the electroweak phase transition.

Summary

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