Abstract

In this talk, we assume that the SUSY has been discovered at the LHC. We would want to know which version of SUSY has realized. A question that would arise is whether this Lagrangian can be uniquely reconstructed given the full set of LHC measurement. This issue has been studied in some detail by Arkani-Hamed et al [hep-ph/0512190] which is known as the LHC Inverse Problem. We show that it is possible to extend their study whether data from the proposed ILC can perform this inverse mapping and resolve the model degeneracies found by Arkani-Hamed et al. In this talk, we review the recent paper with eprint number [arXiv:0712.2965].