

SES21-2021-000175

Abstract for an Invited Paper
for the SES21 Meeting of
the American Physical Society

Using Machine Learning to Break the Unnaturalness of Nature

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Despite decades of searching and the discovery promise of the LHC era, we've found no direct evidence that our world is supersymmetric. Without any direct Beyond-the-Standard-Model (BSM) discovery at the LHC, we ask if there are any ways that a low mass, natural supersymmetry (SUSY) may have evaded our searching. In this talk, I'll cover how R-Parity-violating SUSY could still be hiding at the LHC, and how a new approach to machine learning is needed to find it.