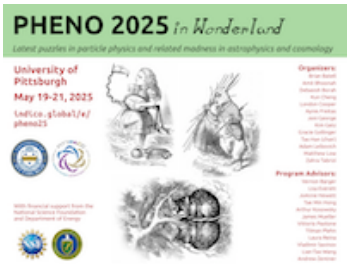

Contribution ID: **23** Type: **not specified**

Understanding Strongly Coupled Theories with AMSB

Monday 19 May 2025 15:30 (15 minutes)

I will review developments in applying Anomaly Mediated SUSY Breaking (AMSB) as a theoretical tool for understanding the dynamics of strongly coupled gauge theories. After reviewing the general properties of AMSB, I will show what we have been able to learn when applying it to a variety of examples. Many non-trivial consistency conditions are satisfied. In the case of QCD, I will show how we can establish the presence of chiral symmetry breaking vacua, explicitly calculate condensates, derive the chiral lagrangian, and even obtain the low-lying spectrum of hadrons in qualitative agreement with QCD. I will conclude with an example of a phenomenological application in composite axion models.

Mini Symposia (Invited Talks Only)

Plenary (Invited talks only)

Author: NOETHER, Bea (UC Berkeley)

Presenter: NOETHER, Bea (UC Berkeley)

Session Classification: New Developments in Theory

Track Classification: New Developments in Theory