Contribution ID: **15** Type: **Talk**

BSM physics from Sp(2N) gauge Theory: Meson Spectroscopy and Scattering

Wednesday, 3 July 2024 16:50 (25 minutes)

Symplectic gauge theories provide exciting models for composite physics beyond the Standard Model. They are of interest for both composite Dark Matter and composite Higgs models. I study $Sp(4)$ gauge theory with fundamental fermions as well as fermions in the two-index antisymmetric representation on the lattice. I report on their spectrum for both singlet and non-singlet mesons, and the scattering properties of the Goldstone bosons.

Primary author: ZIERLER, Fabian (Swansea University)

Presenter: ZIERLER, Fabian (Swansea University)

Session Classification: Talks