

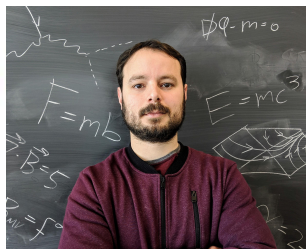


LABORATORY FOR ELEMENTARY-PARTICLE
PHYSICS (LEPP)

B Exam

Ofri Telem

Advisor: **Csaba Csáki**



Naturalness without New Resonances: The Continuum Composite Higgs

Traditional searches for fermionic top partners have focused on particles that can be described by Breit-Wigner resonances. We consider a broader setting in which the top and gauge partners responsible for cutting off the Higgs potential are not particles, but rather gapped continuum states at a critical point. For concreteness, we realize this critical point in a 5D linear dilaton setting and construct a fully calculable composite Higgs model with continuum top and gauge partners.

Wednesday, May 8, 2019

1:00pm

301 Physical Sciences Building