



LABORATORY FOR ELEMENTARY-PARTICLE
PHYSICS (LEPP)

Theory Seminar



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Karlstad

String Loops in Curved Space

I will outline a few motivations in particle physics and cosmology to study string loop corrections in gauge and gravitational backgrounds. One technical motivation is that they provide a generalization of and improved understanding of Feynman loop diagrams in gauge and gravitational fields. This may also be of some interest for field theories of topological superconductors. I review some recent work by others, particularly in Anti-de-Sitter space, and give highlights of some of my work in progress with physicists and with mathematicians.

Friday, March 1, 2019

12:30pm

401 Physical Sciences Building