

## 19. - 20. February 2018 - Spring Workshop

## Marco Zagermann (DESY/Hamburg)

## **String Theory Vacua with Positive Cosmological Constant**

## **Abstract**

String theory is a promising candidate for a unified quantum theory of all particles and interactions including gravity. Combining the mathematical constraints of quantized relativistic strings with the requirement of a positive cosmological constant leads to a number of interesting questions and challenges. This talk reviews how a positive cosmological constant is implemented in standard models of string cosmology and discusses the important aspects of computational control and perturbative stability.