



**ΚΟΙΝΟ ΣΕΜΙΝΑΡΙΟ ΚΕΝΤΡΟΥ ΚΒΑΝΤΙΚΗΣ ΠΟΛΥΠΛΟΚΟΤΗΤΑΣ ΚΑΙ
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JOINT CCQCN -CCTP SEMINAR**

Tuesday, 27 October 2015

15:00-16:00

2nd Floor Seminar Room

Discrete symmetries from hidden sectors

Dr Pascal Anastasopoulos

TU Wien

Abstract

We study the presence of abelian discrete symmetries in globally consistent orientifold compactifications based on rational conformal field theory. We extend previous work by allowing the discrete symmetries to be a linear combination of $U(1)$ gauge factors of the visible as well as the hidden sector. This more general ansatz significantly increases the probability of finding a discrete symmetry in the low energy effective action. Applied to globally consistent MSSM-like Gepner constructions we find multiple models that allow for matter parity or Baryon triality.

