

PARTICLE PHYSICS SEMINAR SERIES

Disorder at the LHC

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Tuesday, October 8

4:00 pm - Rm 415 NSH

In this talk I will discuss how systems with a large number of degrees of freedom and disorder in their mass matrix can play a role in particle physics. I will discuss some known results in large N field theory and random matrix theory. A model of N real scalar fields will be studied in the context of the LHC and HL-LHC, showing that collider events with a large number of soft b -jets can be common.



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