

Graduate Seminar

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**Thursday, November 12, 2015
1:00p.m., HH-3017**

Combinatorial aspects of Dyson Series

Abstract:

We review some well-known integer sequences appeared for example in Andre polynomial coefficients, or Bernoulli–Euler numbers, or Seidel triangle. Then we show how these sequences can be re-discovered in different way from studying the time-evolution of particular quantum interacting particle systems, when we apply Dyson series expansion of evolution operator in the interaction (or Dirac) picture of quantum mechanics.