## Coefficients of Wronskian Hermite polynomials

**01.15** **Marco Stevens**
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**Time:** Thursday 25.07., 16:30 - 17:00, Room AM

**Abstract:** Wronskians of Hermite polynomials appear in the rational solutions of Painlevé equations and in the field of exceptional orthogonal polynomials. In previous work, we exploited the combinatorial framework of these polynomials to derive recurrence relations in terms of integer partitions. In this talk, we use this framework to relate the coefficients of Wronskian Hermite polynomials to 2-cores and 2-quotients of integer partitions, as well as to characters of irreducible representations of the symmetric group. Joint work with Niels Bonneux (KU Leuven) and Clare Dunning (University of Kent).