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REGISTRATION FORM

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TITLE: **Two partial orders for Littlewood-Richardson tableaux**

Abstract: The representation space for short exact sequences of nilpotent linear operators is partitioned into irreducible components which are in one-to-one correspondence with Littlewood-Richardson Tableaux.
Partial orders for tableaux control a variety of algebraic, combinatorial and geometric properties of the representation space.

This talk is about a joint project with Justyna Kosakowska (Torun) and Hugh Thomas (New Brunswick) in which we show that two partial orders of combinatorial nature agree for tableaux which are horizontal and vertical strips. In fact, we discuss two different proofs that the two partial orders agree, one which yields an algorithm that is short and efficient, and an other which links the problem to the Bruhat order of the symmetric group.