JULIEN BICHON, Université Blaise Pascal, Clermont-Ferrand II, campus des Cézeaux, 63177 Aubière Cedex, FRANCE *Qunatum groups acting on 4 points*

Wang's quantum permutation group Q_n is the largest compact quantum group acting on n points. Surprisingly, Q_n is infinitedimensional if n > 3. We will first review the construction of Q_n and some of its basic properties. Then we will report on the classification of quantum subgroups of Q_4 , i.e., the classification of compact quantum groups acting on 4 points. The quantum subgroups of Q_4 are subject to a McKay type correspondence, described at the level of algebraic invariants, i.e., the multiplicities of the trivial representation in the tensor powers of the fundamental representation.

This is joint work with T. Banica.