

q -WHITTAKER MEASURES AND SCHUR MEASURES

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The q -Whittaker measures are probability measures on partition and are written in terms of a product of q -Whittaker functions. Since the introduction by Borodin and Corwin in 2011, it has been playing an important role in recent progresses in the integrable probability. One of the most interesting feature of the measures is that the q -Laplace transform of some observable can be represented as a single Fredholm determinant, although they do not belong to the determinantal point process. This fact strongly implies a certain relationship between the q -Whittaker measures and determinantal point processes. In this talk we discuss such a connection especially with the Schur measures, which are typical models of the determinantal point process. This is a joint work with Matteo Mucciconi and Tomohiro Sasamoto.