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Susie Kimport (skimport@stanford.edu) and **Holly Swisher**
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Since Dyson defined the rank of a partition, a number of studies have been done on this statistic. For example, a celebrated result of Bringmann and Ono showed that the rank generating function is essentially a mock modular form. Andrews introduced k -marked Durfee symbols and more generally defined the rank for them. In particular, when $k = 1$ one recovers Dyson's rank. In this talk, we establish quantum modularity of this combinatorial series, the rank generating function for k -marked Durfee symbols. This is joint work with Amanda Folsom, Susie Kimport, and Holly Swisher. (Received February 06, 2018)