Cesar Cuenca* (cesar.a.cuenk@gmail.com), Pasadena, CA 91106. Probability measures of representation theoretic origin.

I will discuss joint work with Grigori Olshanski on remarkable families of probability measures, which are generalizations of measures arising from the representation theory of infinite-dimensional groups. These measures can be seen as sophisticated q-analogues of the well-known Plancherel measure on partitions; I will review the definition of the latter and compare it to our q-version. (Received September 02, 2019)