1052-11-196Youness Lamzouri* (lamzouri@dms.umontreal.ca), 1 Einstein Drive, Princeton, NJ 08540.Distribution of values of L-functions at the edge of the critical strip.

We prove several results on the distribution of values of *L*-functions at the edge of the critical strip, by constructing and studying a large class of random Euler products. Among new applications, we study famillies of symmetric power *L*-functions of holomorphic cusp forms in the level aspect (assuming the automorphy of these *L*-functions) at s = 1, functions in the Selberg class (in the height aspect), and the family of *L*-functions of quadratic twists of a fixed $GL(m)/\mathbb{Q}$ automorphic cusp form at s = 1. (Received August 28, 2009)