1145-60-822   **Paul Bourgade***, bourgade@cims.nyu.edu, and **Fan Yang**, **Horng-Tzer Yau** and **Jun Yin**.
Random band matrices in the delocalized phase.

I will survey recent mathematical results about the spectrum of random band matrices and the problem of their Anderson transition. In particular, I will present a method to obtain delocalization and universality in sparse regimes, highlighting the role of quantum unique ergodicity. (Received September 15, 2018)