1126-57-172 **Robert Adler**, **Moshe Cohen*** (mcohen@vassar.edu) and **Sunder Ram Krishnan**. *Towards a central limit theorem for random 2-bridge Chebyshev billiard table diagrams.*

Koseleff and Pecker show that all knots can be realized as trajectories on billiard tables together with crossing information. We randomize this knot diagram model by flipping a coin at each 4-valent vertex of the trajectory.

We truncate this model to study 2-bridge knots together with the unknot, giving the exact probability of a knot arising here. Furthermore, with Chaim Even-Zohar and Sunder Ram Krishnan we give the exact probability of obtaining a knot with crossing number c.

I will discuss preliminary work towards a central limit theorem for the probability of obtaining a knot with crossing number c in this truncated model. (Received January 12, 2017)