

- [29] See EPAPS supplementary material at <http://dx.doi.org/XXX> for further details and additional calculations and simulations.
- [30] G. E. Begtrup, K. G. Ray, B. M. Kessler, T. D. Yuzvinsky, H. Garcia, and A. Zettl, Phys. Rev. Lett. **99**, 155901 (2007).
- [31] M. C. Gutzwiller, *Chaos in Classical and Quantum Mechanics*, Springer New York (1990).