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Treumann* (treumann@bc.edu). *The Fargues-Fontaine curve for symplectic geometers*. Preliminary report.

Homological mirror symmetry for the torus describes Lagrangian Floer theory on T^2 in terms of vector bundles on the Tate elliptic curve. A version of Lekili and Perutz works over $\mathbf{Z}[[t]]$ where t is the Novikov parameter. I will describe a modified form of this story, joint with Lekili, where the Floer theory is altered by a locally constant sheaf of rings on T^2 (an "F-field"). When the fiber of this sheaf of rings is perfectoid of characteristic p , it is possible to specialize to $t = 1$, and the resulting theory there is described in terms of vector bundles on the equal-characteristic version of the Fargues-Fontaine curve. (Received January 21, 2019)