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Sarah C Mousley* (mousley2@illinois.edu). *Exotic limit sets of Teichmuller geodesic rays.*

We will present our result that a geodesic ray in Teichmuller space does not necessarily converge to a unique point in the hierarchically hyperbolic space (HHS) boundary of Teichmuller space. In fact, the limit set of a geodesic ray can be almost anything allowed by topology. This stands in contrast to the situation for Gromov hyperbolic spaces where each geodesic ray converges to a unique point in the HHS boundary (which happens to agree with the Gromov boundary). (Received February 09, 2018)