1117-05-157 **Jie Han** (jhan@ime.usp.br) and **Yi Zhao*** (yzhao6@gsu.edu). *Forbidding Hamilton cycles in uniform hypergraphs.*

For $1 \leq d \leq \ell < k$, we give a new lower bound for the minimum d-degree threshold that guarantees a Hamilton ℓ-cycle in k-uniform hypergraphs. When $k \geq 4$ and $d < \ell = k - 1$, this bound is larger than the conjectured minimum d-degree threshold for perfect matchings and thus disproves a well-known conjecture of Rödl and Ruciński. Our (simple) construction generalizes a construction of Katona and Kierstead and the so-called space barrier for Hamilton cycles. (Received January 12, 2016)