1067-05-2388 Christopher J Stocker* (stocker2@illinois.edu), 1409 W. Green Street, Urbana, IL 61801, and Alexandr V Kostochka (kostochk@math.uiuc.edu) and Peter Hamburger (peter.hamburger@wku.edu). Packing sparse hypergraphs.

Two hypergraphs G and H on n vertices are said to pack if there exists a bijection $\sigma: V(G) \to V(H)$ such that for every edge e in G, $\sigma(e)$ is not an edge in H. Proving a conjecture by Milner and Welsh, Sauer and Spencer showed that any two n-vertex graphs G and H with $|E(G)| + |E(H)| < \frac{3n-2}{2}$ pack. The bound $\frac{3n-2}{2}$ is sharp. We extend this result to hypergraphs containing no edges of size 1 and n-1. (Received September 23, 2010)