1146-05-325 **Hongliang Lu** and **Xingxing Yu*** (yu@math.gatech.edu), School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30332, and **Xiaofan Yuan** (xyuan@gatech.edu), School of Mathematics, Georgia Institute of Technology, Atlanta, GA 30332. *Nearly perfect matchings in uniform hypergraphs.*

We prove that, for integers k, l, n, m with $k \geq 3$, $k/2 < l < k-1$, $m \leq n/k - 1 - (1-l/k)\lceil (k-l)/(2l-k)\rceil$, and $n \gg n - km$, if H is a k-uniform hypergraph on n vertices and $\delta_l(H) > \binom{n-l}{k-l} - \binom{(n-l)-m}{k-l}$, then H has a nearly perfect matching, i.e., a matching covering all but a constant number of vertices. This improves upon an earlier result of Hàn, Person, and Schacht for the range $k/2 < l < k-1$. When $k = 3$, with the help of an absorbing lemma of Hàn, Person, and Schacht, our proof also shows that H has a perfect matching, a result proved by Kühn, Osthus, and Treglown and, independently, by Khan. (Received January 25, 2019)