Daniel Groves and Jason Fox Manning* (jfmanning@math.cornell.edu), 310 Malott Hall, 301 Tower Road, Ithaca, NY 14853. Quasiconvexity and Dehn filling.

We extend the techniques of quasiconvex Dehn filling to relatively quasiconvex subgroups which are not necessarily full. Combined with the ubiquitous surfaces constructed by Cooper and Futer, these techniques give an alternative approach to Wise’s theorem on virtual fibering of cusped hyperbolic 3-manifolds. This is joint work with Daniel Groves. (Received July 20, 2017)