1160-53-240 **Franco E Vargas Pallete*** (franco.vargaspallete@yale.edu) and **James Farre**. *Some curvature bounds for least area fibers in fibered hyperbolic 3-manifolds.*

Due to work of Uhlenbeck, we know that for a least area fiber on a fibered hyperbolic 3-manifold the maximum of the norm of its shape operator $|A|_\infty$ is strictly bigger than 2. On this talk we will see that for certain families of fibered hyperbolic 3-manifolds there is a uniform lower bound for $|A|_\infty$ which is greater than 2. We will see how this relates to pants distance between drilling geodesics along a sequence in our family. This is joint work with James Farre. (Received August 10, 2020)