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Tommaso Cremaschi*, cremasch@usc.edu, and **Andrew Yarmola** and **José Andrés Rodríguez Migueles**. *Volume bounds for collections of simple closed curves*.

Consider a surface S with negative Euler characteristic and a filling system of primitive simple closed curve Γ . If one drills, at different levels, Γ from the trivial bundle M we obtain a hyperbolic manifold M_Γ . We will investigate volume bounds for this setup and the case of the projective bundle and canonical lifts. In particular, we will obtain asymptotics relating the volume to formulas involving pants distances of the associated collection Γ . (Received February 27, 2021)