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Theodora Bourni* (tbourni@utk.edu), **Mat L Langford** (langford@math.utk.edu) and **Giuseppe Tinaglia** (giuseppe.tinaglia@kcl.ac.uk). *Collapsing ancient solutions of mean curvature flow.*

We construct a compact, convex, rotationally symmetric, ancient solution of mean curvature flow that lies in a slab of width π and show that, up to rigid motions, it is the only such solution (which lies in no smaller slab). (Received September 14, 2017)