1099-35-217 P Laul, J Metcalfe, S Tikare and M Tohaneanu* (mtohanea@math.jhu.edu). Localized energy estimates on Myers-Perry space-times.

We prove local energy estimates on (1+4)-dimensional Myers-Perry black hole backgrounds with small angular momenta. The Myers-Perry space-times are higher dimensional generalizations of the 1+3 Kerr backgrounds where additional planes of rotation are available while still maintaining axial symmetry. Once it is determined that all trapped geodesics have constant r, the method developed by Tataru and the fourth author, which perturbs off of the Schwarzschild case by using a pseudodifferential multiplier, can be adapted. (Received February 09, 2014)