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Yadira Lizeth Barreto Felipe* (yalibafe@gmail.com). *Moment-angle manifolds and higher dimensional contact manifolds.*

I describe a new construction of compact contact manifolds in arbitrarily large odd dimensions. These manifolds are generalizations of the moment-angle manifolds that have been studied by V. Gómez Gutierrez and Santiago L'opez de Medrano. The construction is in some sense explicit and uses the heat flow method described by J. S. Altschuler and L. F. Wu. In other words, we construct a positive confoliation which is conductive i.e. every point of the manifold can be connected by a suitable Legendrian path to a point where the form is positive. (Received May 10, 2013)