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Saskia Roos* (saroos@mpim-bonn.mpg.de), Max-Planck Institute for Mathematics, Vivatsgasse 7, 53111 Bonn, Germany. *Dirac eigenvalues under codimension one collapse.*

After giving a characterization of a collapse of codimension one we study the behavior of Dirac eigenvalues in that situation. We show that there are converging eigenvalues if and only if there is an induced pin structure on the limit space. In addition, we determine the limit operator which corresponds to the limit spectrum. (Received September 14, 2017)