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Courtney Gibbons* (s-cgibbon5@math.unl.edu). *Modules over short Gorenstein rings*. Preliminary report.

Given a finitely generated module over a short graded Gorenstein ring, its Betti diagram alone is enough to determine some of its indecomposable direct summands. As with cosyzygies of the residue field, some indecomposable Koszul modules can be recognized from a small amount of data. The author also demonstrates the existence of Koszul modules for given Hilbert series. (Received September 24, 2012)