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Courtney Gibbons* (s-cgibbon5@math.unl.edu), Department of Mathematics, University of Nebraska-Lincoln, PO Box 880130, Lincoln, NE 685880130. *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. (Received September 11, 2012)