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Oana Veliche* (o.veliche@northeastern.edu), 360 Huntington Ave, Boston, MA 02115-5005,
and **Pedro Macias Marques** and **Jerzy Weyman**. *On the Structure of Short Grade Four
Artinian Gorenstein Algebras*. Preliminary report.

We consider homogeneous perfect ideals I of grade 4 in the polynomial ring $Q = k[x, y, z, w]$ such that Q/I defines a Gorenstein ring of socle degree 4. After a change of variables, we identify inside I a perfect ideal J of grade 3 such that Q/I is obtained as a quotient of Q/J by its the canonical module. (Received August 17, 2020)