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Claudia Miller* (clamille@syr.edu), **Hamid Rahmati** and **Zheng Yang**. *DG algebra resolutions of quotients by weak complete intersection ideals*. Preliminary report.

We discuss several different ways of obtaining minimal resolutions of quotients of a ring by weak complete intersection ideals and dg algebra structures on these, as well as an implication for the cotangent homology. The resolutions behave similarly to the resolution of the residue field. This is joint work with Hamid Rahmati and Zheng Yang. (Received January 18, 2021)