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Marisa Hughes and **Ed Swartz*** (ebs22@cornell.edu). *Matroids and Quotients of Spheres, II.*

We will continue the story which connects linear quotients of spheres by abelian groups to matroids. Previous results include finite elementary abelian p -groups and real tori. The most recent chapter comes from M. Hughes thesis and includes the $\mathbb{Z}/p\mathbb{Z}$ homology of linear quotients of spheres by orientable actions of any finite abelian group. (Received August 27, 2012)