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Cohomology ring of symplectic reductions by circle actions

In this talk I will show how the Tolman-Weitsman theorem enables us to compute the cohomology ring of symplectic quotients at the zero level set of the moment map when a circle acts on the symplectic manifold. This is done when the original manifold is a product of two-dimensional spheres or more generally when it is a product of manifolds such that the cohomology ring of each of them is generated by a degree two class.