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Marcel Bischoff* (bischoff@ohio.edu). *Generalized Twisted Orbifold Construction*. Preliminary report.

Given a finite subgroup G of the automorphism group of a holomorphic local conformal net, there is the notion of an anomaly, which is an obstruction of a certain G -kernel arising from G -twisted representations. If the anomaly vanishes one can construct a new holomorphic net, the twisted G -orbifold. I'll give a generalization, where the group G is replaced by a Hopf algebra or more general a subfactor (or planar algebra) using operator algebraic methods. (Received January 20, 2018)