

*A Mini Courses on
Operator Algebras, December 27-30, 2014
School of Mathematics, IPM, Tehran*

Twisted Group Algebras, Crossed Products and T-duality

Ansgar Schneider
University of Münster
Germany

1. Why crossed products? (From groupoids to C^* -algebras)
2. Bundles, classifying spaces, and the projective unitary group
3. Twisted crossed products and twists of groupoids
4. Lifting gerbes and twisted K-theory