The twisted group ring isomorphism problem over fields
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Similarly to how the classical group ring isomorphism problem (GRIP) asks, for a commutative ring $R$, which information about a finite group $G$ is encoded in the group ring $RG$, the twisted group ring isomorphism problem (TGRIP) asks which information about $G$ is encoded in all the twisted group rings of $G$ over $R$.

In this talk we will introduce the (TGRIP) and give some results over fields. We will show that the results can be very different than the results for the (GRIP) and discuss some of the methods we used studying this problem.

Joint work with Leo Margolis.