

## Marcos Soriano: Parametrization of Central Frattini Extensions

I will present some joint work with Martin Hertweck (Stuttgart).

In this talk we will concentrate on a certain class of short exact sequences of  $p$ -groups ( $p$  any prime), which we call Central Frattini Extensions (CFEs for short).

We will show how to parametrise the isomorphism classes of CFEs in terms of a universal extension and a certain action of the automorphism group of the factor group involved in the sequence. Furthermore, we will show how this parametrization extends smoothly to the associated small group ring sequences.