

## Exposé court

### **82** *Barsotti-Tate groups with ramified endomorphism structure*

*Marrama, Andrea (École Polytechnique)*

Barsotti-Tate groups with ramified endomorphism structure appear in the study of Shimura varieties at places of bad reduction. In this short talk, I will focus on a concrete example of  $p$ -adic analytic family of such objects. In order to analyse it, I will present different polygons associated to Barsotti-Tate groups with endomorphism structure, whose variation is particularly relevant in the ramified case.