

# Séminaire Groupes Réductifs et Formes Automorphes

Le 13 mai 2019 à 10h30 (PRG)

## Prismatic Dieudonné theory.

Exposé de Johannes Anschütz  
(Jussieu)

### Résumé :

The recent theory of prisms, currently developed by Bhargav Bhatt and Peter Scholze, allows the definition of an analog of crystalline sites in mixed characteristics. Using these prismatic sites we want to present a generalization of crystalline Dieudonné theory to quasi-syntomic rings and use it to obtain a classification of  $p$ -divisible groups over such rings by filtered prismatic Dieudonné crystals. This is joint work with Arthur-Cesar Le Bras.