

Du  
**01**  
DÉC.  
2021

14h00

-  
15h15

## RÉGA

**Arnab Kundu - 14h00 - Tilting correspondences of perfectoid rings.**  
INSCRIPTION

We present an alternate proof of a vanishing result of etale cohomology of perfectoid rings due to Cesnavicius. To establish that, we prove a tilting equivalence of etale cohomology of perfectoid rings taking values in commutative, finite etale group schemes. On the way, we algebraically establish an analogue of the tilting correspondences of Scholze, between the category of finite etale schemes over a perfectoid ring and that over its tilt, without using tools from almost ring theory or adic spaces.



## **INSTITUT HENRI POINCARÉ - UAR839**

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### **HORAIRES**

L'institut :

- lundi au vendredi de 8h30 à 18h,
- fermé les jours fériés.

Le musée - Maison Poincaré :

- lundi, mardi, jeudi et vendredi de 9h30 à 17h30,
- samedi de 10h à 18h,
- fermé le mercredi et le dimanche.