

Arithmetic and Algebraic Geometry: A conference in honor of Ofer Gabber  
on the occasion of his 60th birthday

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## On relative log de Rham-Witt complex

*mercredi 13 juin 2018 16:00 (1 heure)*

The notion of relative log de Rham-Witt complex, which is the log version of relative de Rham-Witt complex of Langer-Zink, is defined by Matsuue. In this talk, we give the comparison theorem between relative log de Rham-Witt cohomology and relative log crystalline cohomology for log smooth saturated morphism of fs log schemes satisfying certain condition on which  $p$  is nilpotent. Our result generalizes most of the previously known results by Illusie, Hyodo-Kato, Langer-Zink and Matsuue. This is a joint work with Kazuki Hironaka.

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