

BOSTON UNIVERSITY NUMBER THEORY SEMINAR

# On rigid varieties with projective reduction

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Monday, October 22 at 4:15 pm  
111 Cummington Mall, MCS B21  
Tea and cookies in MCS 144 at 4:00 pm

**Abstract:** Bosch, Lütkebohmert, and Raynaud laid down the foundations relating formal geometry and rigid geometry. The type of questions they treat are mostly concerned with going from the rigid side to formal side. In this talk, we will see what geometric consequences one can deduce under the assumption that the rigid space has a projective reduction.

In this talk, I shall first say some background of rigid geometry and Raynaud's theory of formal models with some examples. Then I will state the main theorem and a corollary. If time is permitted, I will say something about the proof.