

BOSTON UNIVERSITY NUMBER THEORY SEMINAR

# On vanishing of torsion in the cohomology of Shimura varieties

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Monday, Oct 26 at 4:15 pm  
111 Cummington Street, MCS B21  
Tea and cookies in MCS 144 at 4:00 pm

**Abstract:** I will discuss joint work with Peter Scholze showing that torsion in the cohomology of certain compact unitary Shimura varieties occurs in the middle degree, under a genericity assumption on the corresponding Galois representation.