

# Reducibility loci of $p$ -adic families of Galois representations

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## **Abstract**

We begin a systematic study of  $p$ -adic rigid analytic families of refined Galois representations with moving Hodge–Tate weights. Some applications are given to the geometry of eigenvarieties, as are some relations to Bloch–Kato conjectures.

*(Joint work with Gaëtan Chenevier)*