

**On two mod p period maps: Ekedahl–Oort and fine
Deligne–Lusztig stratifications**

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Consider the integral model S of a Shimura variety with good reduction, in mixed characteristic $0-p$. Caraiani and Scholze construct a perfectoid cover of the generic fiber of S and the so called Hodge–Tate period map, with target a suitable flag variety. In this talk I will compare the pull-back to this perfectoid cover of two stratifications. The first is the Ekedahl–Oort stratification on the mod p special fiber of S . The second is the fine Deligne–Lusztig stratification on the mod p special fiber of the flag variety.