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SEMINARIO DE GEOMETRÍA ALGEBRAICA

Jueves 16 de Octubre de 2008, **13:00**, Seminario 238

Marc-Hubert Nicole

Université de Paris 7

Impartirá la conferencia

Purity of level m stratifications

Resumen.

We will focus on stratifications coming from truncations in level m of Barsotti-Tate groups (also called p -divisible groups), generalizing the Ekedahl-Oort stratification. We will define the stratifications, recall the hierarchy of purity and give the state-of-the-art for level m stratifications, with proof. We will illustrate the main result in the case of the Siegel modular varieties, and mention how our techniques apply to Shimura varieties of Hodge type. This talk is about algebraic geometry in characteristic $p > 0$, and no prior knowledge of Shimura varieties is needed. Joint work with A. Vasiu and T. Wedhorn.