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**Matthias Strauch.** *Locally algebraic vectors in  $p$ -adic Banach space representations.* Preliminary report.

Locally algebraic representations play an important role in the  $p$ -adic Langlands program. We study the restriction of  $p$ -adic Banach space representations of a connected reductive group  $G$  to a subgroup  $H$  containing the derived subgroup of  $G$ , and the properties related to locally algebraic vectors. (Received August 09, 2018)