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Aranya Lahiri*, 800, N Union St, campus view a, Bloomington, IN 47408. *Rigid analytic vectors in locally analytic representations.*

Rigid analytic vectors of a locally analytic representation has played a significant part in Emerton's point of view of Locally Analytic Representations. In this talk we will discuss the exactness properties of the functor "taking rigid analytic vectors of an wide open subgroup" for an admissible locally analytic representation V of a p -adic analytic group. We will also compute some examples of rigid analytic vectors in the low dimensional cases and if time permits indicate some applications of the result in recent works in p -adic Langlands. (Received August 20, 2019)