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Dubravka Ban* (dban@siu.edu), Department of Mathematics, Southern Illinois University, Carbondale, IL 62901. *Basic properties of Iwasawa modules corresponding to p -adic principal series representations*. Preliminary report.

We use the structure theory of p -adic reductive groups to study the continuous principal series over p -adic fields. Our approach is based on the duality theory of Schneider and Teitelbaum and the corresponding Iwasawa modules. (Received February 03, 2017)