

COLLOQUIUM

REPRESENTATIONS OF COVERING GROUP

DUBRAVKA BAN

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NECKERS 156 | TIME: 3:00PM

RECEPTION IMMEDIATELY FOLLOWING IN THE MATH LIBRARY.

Let F be a p -adic field, and let G be the group of F -points of an algebraic group defined over F . We will talk about n -fold topological coverings of G . In general, these groups are not algebraic. Still, we can use the structure of G to obtain important information about the structure of covering groups. This is a basis for developing representation theory for covering groups. Important examples of covering groups are metaplectic groups, which are n -fold covers of $GL(k, F)$.