

**Meeting:** 1003, Atlanta, Georgia, SS 25A, AMS Special Session on Complex and Functional Analysis, I

1003-46-1348      **Genady Y. Grabarnik\*** ([genady@us.ibm.com](mailto:genady@us.ibm.com)), IBM T.J. Watson Research Center, 19 Skyline Dr., Hawthorne, NY 10510, **Alexander A. Katz** ([katza@stjohns.edu](mailto:katza@stjohns.edu)), St. John's University, Dep. of Math & CS, 300 Howard Ave., DaSilva Hall R335, Staten Island, NY 10301, and **Laura Shwartz** ([lauralsh@hotmail.com](mailto:lauralsh@hotmail.com)), University of South Africa, Dep. of Math, Applied Math and Astronomy, Pretoria 0003, So Africa. *Ergodic Theorems for Skew Product for Actions of Finitely-generated Semi-groups on von Neumann Algebras.*

A non-commutative version of Bufetov's Ergodic Theorem for Skew Product is obtained for actions of finitely-generated semi-groups on von Neumann algebras. (Received October 06, 2004)