1150-11-83 **Freydoon Shahidi*** (shahidi@math.purdue.edu), Department of Mathematics, 150 n. University Street, West Lafayette, IN 47907, and **William Sokurski** (wsokursk@purdue.edu), Department of Mathematics, 150, n. University Street, West Lafayette, IN 47907. *Some remarks on Braverman-Kazhdan program.*

Braverman-Kazhdan, Ngo and L. Lafforgue have introduced a program to develop a generalization of Godement-Jacquet theory of L-functions for any reductive group and any finite dimensional representation of its L-group. In this talk, I will make several observations concerning different aspects of the theory such as how the multiplicativity of gamma factors can be proved in general under the natural assumption that the Fourier transform commutes with the Harish-Chandra descent which seems to be valid for groups over finite fields, and which allows a definition of Schwartz spaces which is in agreement with Kazhdan. I will also make some comments on the boundedness of the pull back of the basic function, or more precisely, the Schwartz measure, to a resolution of the monoid in the case of symmetric power L-functions for GL(2). These are joint with my student William Sokurski. (Received June 25, 2019)