

1115-22-257

**Monica Nevins\*** ([mnevins@uottawa.ca](mailto:mnevins@uottawa.ca)), Department of Mathematics and Statistics, 585 King Edward Ave., Ottawa, ON K1N 6N5, Canada. *Branching to the derived group of some toral supercuspidal representations.*

Let  $\pi$  be a length-one toral supercuspidal representation of a connected reductive group  $G$ , such as constructed by Adler (and in greater generality by Yu). Using methods appearing in the work of Hakim and Murnaghan, we give an explicit decomposition of the restriction of  $\pi$  to the derived group  $G'$  of  $G$ . This restriction is given in terms of the restriction to  $G'$  of the  $G$ -datum used for the construction of  $\pi$ . In particular we are able to show that the restriction has multiplicity one, affirming a case of a conjecture of Adler and Prasad. (Received September 20, 2015)