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**Seth Baldwin\*** ([seth.baldwin@unc.edu](mailto:seth.baldwin@unc.edu)) and **Shrawan Kumar**. *Positivity in  $T$ -equivariant  $K$ -theory of flag varieties associated to Kac-Moody groups II.*

We prove sign-alternation of the structure constants in the basis of the structure sheaves of opposite Schubert varieties in the torus-equivariant Grothendieck group of coherent sheaves on the flag varieties  $G/P$  associated to an arbitrary symmetrizable Kac-Moody group  $G$ , where  $P$  is any parabolic subgroup. This generalizes the work of Anderson-Griffeth-Miller from the finite case to the general Kac-Moody case, and affirmatively answers a conjecture of Lam-Schilling-Shimozono regarding the signs of the structure constants in the case of the affine Grassmannian. (Received August 07, 2017)