1126-19-20   **Seth Baldwin*** (`seth.e.baldwin@gmail.com`) and **Shrawan Kumar**. *Positivity in T-equivariant K-theory of flag varieties associated to Kac-Moody groups.*

The cohomology ring of flag varieties has long been known to exhibit positivity properties. One such property is that the structure constants of the Schubert basis with respect to the cup product are non-negative. Brion (2002) and Anderson-Griffeth-Miller (2011) have shown that positivity extends to K-theory and T-equivariant K-theory, respectively. In this talk I will discuss recent work (joint with Shrawan Kumar) which generalizes these results to the case of Kac-Moody groups. (Received November 16, 2016)