1046-22-1865   **Stavros Papadakis** and **Bart Van Steirteghem***, Department of Mathematics, Medgar Evers College (CUNY), 1650 Bedford Avenue, Brooklyn, NY 11225. *Equivariant degenerations of spherical modules for groups of type* A. Preliminary report.

Let G be connected reductive algebraic group over $\mathbb{C}$, fix a Borel subgroup B of G and a maximal torus T in B, and let U be the unipotent radical of B. Let Y be an affine toric variety for T. Alexeev and Brion introduced a moduli scheme M_Y which classifies affine (spherical) G-varieties X equipped with a T-equivariant isomorphism $X//U \to Y$, where $X//U = \mathrm{Spec}(\mathbb{C}[X]^U)$.

S. Jansou, P. Bravi and S. Cupit-Foutou described the first examples of M_Y. We studied the case where $Y = W//U$ with W a spherical G-module and G of type A (a spherical G-module W is a representation W of G which is *spherical* as a G-variety, that is, which contains a dense B-orbit). (Received September 16, 2008)

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