1023-20-1656   **Zongzhu Lin*** (`zlin@math.ksu.edu`), Department of Mathematics, CW 138, Kansas State University, Manhattan, KS 66506, and **Bangming Deng** (`dengbm@bnu.edu.cn`), Department of Mathematics, Beijing Normal University, Beijing, Peoples Rep of China. *Quiver representations with bilinear forms and nilpotent orbits of graded classical Lie algebras.* Preliminary report.

Given a quiver with an anti-involution, consider the representations of the quiver with symplectic and orthogonal strctures compatible with the anti-involution. All such quivers with finitely many indecomposable representations are classified and their indecomposable representations are also classified. Using this theory we give a classification of simple equi-variant perverse sheaves on homogeneous part of graded classical Lie algebras in terms of partitions (Received September 26, 2006)