1139-22-44   **Alfred G Noel*** (`alfred.noel@umb.edu`), 100 Morrissey Boulevard, Boston, MA 02125, and **Steven Jackson**, **Todor Milev** and **Thomas Folz-Donahue**. *Tau Signatures and Characters of Weyl Groups.* Preliminary report.

Let $G_\mathbb{R}$ be the set of real points of a complex reductive Lie group and $\hat{G}_\lambda$, its classes of irreducible character with infinitesimal integral regular character, λ. In this case, each cell of representations is associated to a special nilpotent orbit. This helps organize the corresponding set of irreducible Harish-Chandra modules. The goal of this talk is to describe algorithms for identifying the special nilpotent orbit attached to a cell in terms of descent sets appearing in the cell. (Received January 18, 2018)

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