1077-20-117   **Jonathan Scott Brown*** (`brownjs@for.mat.bham.ac.uk`). *Changing highest weight theories for finite W-algebras.*

A highest weight theory for a finite W-algebra $U(\mathfrak{g}, e)$ was developed by Brundan, Goodwin, and Kleshchev. This leads to a strategy for classifying the irreducible finite dimensional $U(\mathfrak{g}, e)$-modules. The highest weight theory depends on the choice of a parabolic subalgebra of $\mathfrak{g}$ leading to different parameterizations of the finite dimensional irreducible $U(\mathfrak{g}, e)$-modules. We explain how to construct an isomorphism preserving bijection between the parameterizing sets for different choices of parabolic subalgebra when $\mathfrak{g}$ is of type A, or when $\mathfrak{g}$ is of types C or D and e is an even multiplicity nilpotent element. (Received July 28, 2011)