

1083-17-130

Sean I Clark* (sic5ag@virginia.edu), **David Hill** and **Weiqliang Wang**. *Towards canonical bases for quantum Kac-Moody superalgebras*. Preliminary report.

In this talk, we will briefly discuss the construction of the canonical basis of $\mathfrak{osp}(1|2)$ and explain how this motivates a new definition of quantum Kac-Moody superalgebras. Then we will discuss recent joint work with Hill and Wang towards a general approach to constructing canonical bases for Kac-Moody superalgebras. (Received August 25, 2012)