1145-05-1750   **Jim Haglund*** (`jhaglund@math.upenn.edu`) and **Emily Sergel**. *Ordered Set Partitions and the Delta Conjecture.* Preliminary report.

In 2002 the speaker and N. Loehr showed that a conjectured combinatorial formula for the bigraded Hilbert series of the space of diagonal harmonics can be expressed more compactly as a sum over permutations. This uses Haiman's Theorem that the bigraded character is a certain symmetric function defined using Macdonald polynomial operators. In this talk we show that there is a corresponding formula associated to the Delta Conjecture of the speaker, Remmel, and Wilson. The formula says that a certain sum over parking functions with q,t weight equals a more compact sum over ordered set partitions. (Received September 24, 2018)