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You Qi. *The differential graded odd nilHecke algebra.*

We equip the odd nilHecke algebra and its associated thick calculus category with diagrammatically local differentials. The resulting differential graded Grothendieck groups are isomorphic to two different forms of the positive part of quantum $\mathfrak{sl}(2)$ at a fourth root of unity. (Received August 11, 2015)