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Nicolas Guay* (nguay@math.ualberta.ca), University of Alberta, Department of Mathematics, CAB 632, Edmonton, AB T6G 2G1, Canada. *Twisted affine quantized enveloping superalgebra of type Q .*

We consider a twisted loop superalgebra built from a Lie superalgebra of type Q . After presenting some of its properties, we will introduce a quantization of a certain bisuperalgebra structure and we will explain how this new quantized enveloping algebra is related to affine Hecke-Clifford algebras. This is a q -version of previous work of M. Nazarov about the Yangian attached to Lie superalgebras of type Q . (Received August 29, 2010)