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Saber Ahmed* (saber.ahmed@mavs.uta.edu), **D. Grantcharov** (grandim@uta.edu) and **N. Guay** (nguay@ualberta.ca). *Quantized enveloping superalgebra of type P.*

We introduce a new quantized enveloping superalgebra $\mathfrak{U}_q(\mathfrak{p}_n)$ that is a quantization of the Lie bisuperalgebra structure on the periplectic Lie superalgebra \mathfrak{p}_n . We show some of the basic properties of the quantization. We also introduce the periplectic q -Brauer algebra. (Received January 18, 2021)