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Wen. *Maximal amenable subalgebras in q -Gaussian factors.*

For $1 < q < \infty$, Bozejko and Speicher's q -Gaussian factors can be thought of as q -deformed versions of the free group factor. Indeed they are known to share several properties in common with the free group factors like being non-injective, strongly solid, isomorphic to LF_n (for $|q|$ small enough). Continuing this line of investigation, in a joint work with K. Shimada and C. Wen, we show the generator masa in these factors are maximal amenable by constructing a Riesz basis in the spirit of Radulescu. (Received September 25, 2017)