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S. Paul Smith* (smith@math.washington.edu), Department of Mathematics, University of Washington, Seattle, WA 98195-4350, and **Alex Chirvasitu**. *Some algebras having relations like the 4-dimensional Sklyanin algebras.*

(Joint work with Alex Chirvasitu) We discuss a 3-parameter family of associative algebras as in the title. They are graded and are generated by 4 elements subject to 6 quadratic relations. The motivation is a conjecture by Cho, Hong, and Lau, to the effect that a 2-parameter family of algebras that appeared in their work on homological mirror symmetry are 4-dimensional Sklyanin algebras. Only a 1-parameter sub-family of their algebras are Sklyanin algebras, but all of them belong to the 3-parameter family that is the focus of this talk. The members of this larger 3-parameter family that are not Sklyanin algebras differ from them in interesting ways. We discuss some of these differences. (Received February 01, 2017)