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Gabriel E Sosa* (gsosa@amherst.edu). *Toric rings arising from strongly stable sets of monomials with two generators*. Preliminary report.

A known result by DeNegri establishes that toric rings arising from principal strongly stable sets of monomials are Koszul normal domains. Conca has found examples of toric rings arising from strongly stable sets of monomials with three generators that are neither Koszul nor normal. We presents partial results regarding the Koszulness of toric rings arising from strongly stable sets of monomials with two generators. (Received March 01, 2017)