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Marianty Ionel* (mionel@utnet.utoledo.edu), Toledo, OH , and **Maung Min-Oo**. *Calibrated Submanifolds in the Deformed G2-conifold*.

We will describe a class of cohomogeneity one co-associative submanifolds in the spin bundle over the 3-sphere, endowed with the complete G2-holonomy metric constructed by Bryant and Salamon. This is joint work with M. Min-Oo. (Received September 13, 2010)