1145-VM-857 **Hieu D Nguyen*** (nguyen@rowan.edu), Rowan University, Department of Mathematics, 201 Mullica Hill Rd., Glassboro, NJ 08028, and **James Rosado** (james.rosado@temple.edu), Temple University, Department of Mathematics, Philadelphia, PA 19122. *Partitions of Steiner Equiangular Tight Frames.*

We present new results on partitions of Steiner equiangular tight frames (ETFs) that satisfy the operator norm bound established by a theorem of Marcus, Spielman, and Srivastava (MSS), which they proved as a corollary yields a positive solution to the Kadison-Singer problem. In particular, we prove that partitions derived from blocks defined by incidence matrices in the construction of ETFs based on $(2, k, v)$-Steiner systems (due to Fickus, Mixon, and Tremain) satisfy the MSS bound and explicitly determine the spectrum of their sum of outer products. (Received September 16, 2018)