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Shijie Gu* (sgu@unr.edu), Davidson Math and Science Center DMS 314, 1664 N. Virginia Street, Reno, NV 89557-0084. *On the Shrinkable U.S.C. Decomposition Spaces of Spheres.*

Let G be a u.s.c decomposition of S^n , H_G denote the set of nondegenerate elements and π be the projection of S^n onto S^n/G . Suppose that each point in the decomposition space has arbitrarily small neighborhoods with $(n - 1)$ -sphere frontiers which miss $\pi(H_G)$, and such frontiers satisfies the Mismatch Property. Then this paper shows that this condition implies S^n/G is homeomorphic to S^n ($n \geq 4$). This answers a weakened form of a conjecture asked by Daverman [3, p. 61]. In the case $n = 3$, the strong form of the conjecture has an affirmative answer from Woodruff [12]. (Received December 24, 2013)