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Byungchul Cha, Adam Claman, Joshua Harrington, Ziyu Liu, Barbara Maldonado, Alexander Miller, Ann Palma and Wing Hong Tony Wong*, 15200 Kutztown Road, Kutztown, PA 19530, and **Hongkwon Yi**. *Factorization of prime powers with the same sum.*

Integers with different partitions that share the same product is a topic with long term integers in the field of number theory. In this talk, we will present the necessary and sufficient condition for a prime power to have different factorizations that share the same sum. (Received September 12, 2019)