1138-42-394   **Michael C. Northington V** and **Josiah Park*** (`jpark685@gatech.edu`). *Finite Balian-Low Theorems in Higher Dimensions.* Preliminary report.

We study Balian-Low type theorems for finite systems in Euclidean spaces of dimension greater than one. Our results are generalizations of S. Nitzan and J.-F. Olsen's recent work and show that a quantity closely related to the Balian-Low Theorem has the same asymptotic growth rate, $O(\log N)$ for each dimension d. Joint work with Michael Northington V. (Received February 13, 2018)