1107-05-215 **Geir Agnarsson*** (math.geir@gmail.com), George Mason University, Dept. of Math., 4400 University Drive, MS: 3F2, Fairfax, VA 22030. *General permutahedra*. Preliminary report.

We first derive an exponential generating flag function of the standard permutahedron Π_{n-1} . We then investigate the flags of a Minkowski sum of all the standard simplices Δ_{k-1} in \mathbb{R}^n for fixed k and n. These polytopes are all simple and naturally generalize both the standard simplex Δ_{n-1} and the permutahedron Π_{n-1} both of dimension n-1. (Received January 15, 2015)