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## Metastability of Reversible Condensed Zero Range Processes on a Finite Set

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Let  $r : S \times S \rightarrow \mathbb{R}_+$  be the jump rates of a irreducible random walk on a finite set  $S$ , reversible with respect to some probability measure  $m$ . For  $\alpha > 2$ , let  $g : \mathbb{N} \rightarrow \mathbb{R}_+$  be given by  $g(0) = 0$ ,  $g(1) = 1$ ,  $g(k) = (k/k - 1)^\alpha$ ,  $k \geq 2$ . Consider a zero-range process on  $S$  in which a particle jumps from a site  $x$ , occupied by  $k$  particles, to a site  $y$  at rate  $g(k)r(x, y)$ . Let  $N$  stand for the total number of particles. In the stationary state, as  $N \uparrow \infty$ , all particles but a finite number accumulate on one single site. We show in this article that in the time scale  $N^{1+\alpha}$  the site which concentrates almost all particles evolves as a random walk on  $S$  whose transition rates  $R(x, y)$  are a multiple of the capacities of the underlying random walk :  $R(x, y) = C_0 \mathfrak{m}_S(x, y)$ .