I will describe the asymptotic behaviour of  $L^p$ -norms of caloric functions u on affine buildings for compactly supported initial datum f. To do so we introduce a mass  $M_p(f)$  and show that

$$||k_n||_{\ell^p}^{-1}||u_n - M_p(f)k_n||_{\ell^p} - > 0$$

as n tends to infinity, where  $k_n$  is n-transition function (heat kernel). It is nonarchimedean counterpart to the results obtained by Anker-Papageorgiou-Zhang, Naik-Ray-Sarkar and Papageorgiou on symmetric spaces of non-compact type.

Joint work with Effie Papageorgiou.