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Given a finite volume homogeneous space $G/\Gamma$ of a higher rank semisimple Lie group of $G$, a point $x$ in the space, and an unit length element $a$ of the Cartan subgroup $A$, we will consider the set of directions in the tangent space at $x$ for which the outgoing $a$-orbit of length $T$ asymptotically spends at most a portion of measure $\epsilon T$ near the cusp. The Hausdorff dimension of this set will be at most $e^{-C\epsilon T}$, where $C$ is independent of the choice of $a$. This is a joint work with F. Rodriguez Hertz. (Received September 24, 2018)