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Chunping Xie* (xie@msoe.edu), Dept of Math, Milwaukee School of Engineering, 1025 N. Broadway, Milwaukee, WI 53051. *Littlewood-Paley Functions and Bergman Spaces*. Preliminary report.

The intend of this note is to show that for a analytic function f , f is in the Bergman space $\mathcal{A}^p(D)$, $0 < p < \infty$ if and only if either $g_*(f)$ or $g_d(f)$, Littlewood-Paley functions, belongs to $L^p(D)$. Also a similar results are obtained for the Luzin area function, $A(f)(z)$. (Received August 14, 2014)