1138-47-249 **Zhijian Wu*** (zhijian.wu@unlv.edu), Department of Mathematical Sciences, University of Nevada, Las Vegas, 4505 S. Maryland Parkway, Box 454020, Las Vegas, NV 89154. *A Note on Differences of Weighted Composition Operators on μ-weighted Bergman Spaces.* Preliminary report.

For a positive measure μ on the unit disk $\mathbb{D}$, The μ-weighted Bergman space A_μ is defined as the closure of analytic polynomials in $L^2(\mathbb{D},\mu)$. For a μ measurable function u on $\mathbb{D}$ and an analytic self-map φ of $\mathbb{D}$, the operator $uC_\varphi : f \mapsto uf\circ\varphi$ on A_μ is called a weighted composition operator with weight u and symbol φ. Suppose every point in $\mathbb{D}$ is an analytic bounded point evaluation for μ. Under certain condition, we characterize the compactness of the difference of two weighted composition operators in terms of the weights, symbols and the reproducing kernel of A_μ. We also calculate the Hilbert-Schmidt norm of the difference operators. (Received February 11, 2018)