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Waleed K. Al-Rawashdeh* (walrawashdeh@mttech.edu), Montana Tech, 1300 West Park Street, Butte, MT 59701. *Weighted Differentiation Composition Operators from Nevanlinna Classes to Weighted-type Spaces.*

Let ϕ be an analytic self-map of open unit disk \mathbb{D} . Let $\mathcal{H}(\mathbb{D})$ be the space of all analytic functions on \mathbb{D} . For a nonnegative integer n , the weighted differentiation composition operator on $\mathcal{H}(\mathbb{D})$ is defined as $D_{\phi,u}^n f(z) = u(z)f^{(n)}(\phi(z))$, for $f \in \mathcal{H}(\mathbb{D})$ and $z \in \mathbb{D}$. In this talk, we characterize the boundedness and compactness of the weighted differentiation composition operator $D_{\phi,u}^n$ from the weighted Nevanlinna classes \mathcal{N}_α^p to the weighted-type space H_μ^∞ and the little weighted-type space $H_{\mu,0}^\infty$. (Received September 26, 2017)