

In some sense, the Segal-Bargmann space, with gaussian weight  $e^{-|z|^2}$  appears as a limit case of the Bergman space in a ball of  $\mathbb{C}^n$ . We study generalized  $L^p$  spaces on  $\mathbb{C}^n$ , associated to the weight  $e^{-|z|^{2m}}$ ,  $m > 0$ . In particular, we give criteria for boundedness of the Bergman projection and present some results for spectral properties of operators on these Fock spaces.