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Title: "Very massive stars in the primitive galaxy, I Zw 18"

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Abstract:

I Zw 18 is a local blue, compact dwarf galaxy that meets the requirements for a primitive galaxy: low halo mass $<10^9$ Msun, strong photoionizing radiation, no galactic outflow, and very low metallicity, $\log(O/H)+12=7.2$. We will describe the properties and evolutionary status of very massive stars in I Zw 18, based on UV photometry of individual stars in I Zw 18 and analysis of unresolved ultraviolet spectra of I Zw 18-NW obtained with HST.