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Spectral Characteristics of Radiation from the Nucleus of the Seyfert Galaxy NGC 1275 After an Epoch of its Maximum Activity

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Abstract

© 2016, Springer Science+Business Media New York.The spectral characteristics of radiation from the nucleus of the Seyfert galaxy NGC 1275 are studied on a long time scale. Changes in the profiles of some emission lines and changes in the relative intensities of hydrogen and forbidden lines and their equivalent widths (EWλ) are demonstrated on a time scale of decades. These studies employed spectral data obtained with the 1.5-m Russian-Turkish telescope (RTT-150) during January 2012 and drew on spectral data published earlier in the literature. These results made it possible to trace the state of the nucleus of NGC 1275 after an activity maximum that occurred during the 1960's.

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Keywords

active galactic nuclei, Seyfert galaxy NGC 1275, variability of emission lines