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ELECTROMAGNETIC AND GRAVITATIONAL RADIATION DURING THE UNUSUAL FLASH IN THE ACTIVE CORE OF THE GALAXY 3C454. 3

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Presents data analysis of long-term multi-frequency monitoring of the active galaxy nucleus in 3C 454.3 during unusual and prolonged flare, ongoing since the beginning of 2014 to 2020. The unique phenomenon may be due to a coincidence of the accretion disk (AD) plane of the Central supermassive black hole and the orbit of the companion at the time of precession of the Central body. Large and different scales fluctuations in the radiation flux density over the entire range of the electromagnetic spectrum during a long flare can be the result of various inhomogeneities of matter in AD. what can be used to study the distribution of matter in AD. Variants of radiation of electromagnetic and gravitational waves coming from 3C 454.3 in various States of object activity are considered.

Summary

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