

THE SUPERMASSIVE BLACK HOLES MERGING IN TICK-TOCK AGN (SDSS J1430+2303): PRO AND CONTRA

A. Moiseev^{1,3}, A. Marchuk² and I. Mereminskiy³

¹ *Special Astrophysical Observatory, Russian Academy of Sciences,
Nizhny Arkhyz 369167, Russia*

² *Central (Pulkovo) Astronomical Observatory, Russian Academy of Sciences,
Pulkovskoye chaussee 65/1, St. Petersburg 196140, Russia*

³ *Space Research Institute of the Russian Academy of Sciences (IKI),
Profsoyuznaya 84/32, 117997, Moscow, Russia*

E-mail: moisev@gmail.com

Since 2022, the galaxy SDSS J1430+2303 is considered as a potential candidate for supermassive black holes imminent merging thanks to its unusual light curve in the optical and X-ray ranges, as well as a significant change in Balmer lines shape in the comparison to the archive data. This report discusses the results of SDSS J1430+2303 new observations obtained at the 6-m telescope, Hubble Space telescope and Mikhail Pavlinsky ART-XC telescope on board the Spektr-RG space observatory. We consider arguments for and against the central black hole duality in SDSS J1430+2303.