

Monte-Carlo simulations of the X-ray spectrum of SS433

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We would like to present our results of Monte-Carlo simulation of SS433 spectrum. In this massive binary system, a supercritical regime of accretion onto the relativistic object, which is most likely a black hole, is maintained. It leads to the formation of a supercritical accretion disk with two strongly collimated relativistic jets. Observations of INTEGRAL in 2003 and INTEGRAL/RXTE in 2004 provided us with the data, in particular, the X-ray spectrum. A model of the object, based on the observational data, was created, and Monte-Carlo simulation was used to obtain the spectrum, provided by this model. Comparison with the data allowed us to define physical parameters of SS433. The results of simulation for various angles of observation are presented, and their properties are discussed.