

OPTICAL FOLLOW-UP OF TRANSIENT EVENTS FROM BELOGRADCHIK OBSERVATORY IN THE ERA OF THE MULTI-MESSENGER ASTRONOMY

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For the last two decades the 60cm telescope of Belogradchik Observatory, Bulgaria was extensively used to monitor optical behavior of transient events: flaring blazars, variable X-ray binary systems, asteroid occultations, etc. Since year 2020, in the era of the multi-messenger astronomy, a new wide-field camera has been installed to search for optical counterparts of neutrino, gravitational-wave and gamma-flare events. Here we present examples of successful transient observations. Variability characteristics and the role of the small telescopes for understanding the physics of these interesting objects are discussed.