Monitoring the non-thermal Universe 2018



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Blazar Optical Sky Survey - BOSS project (2013-2018) and the quasi-periodic variability of BL Lac

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The prototype blazar BL Lac is monitored in the frame of the Blazar Optical Sky Survey (BOSS) Project at the University of Athens Observatory (UOAO), during the period of 2014-2018. BL Lac is continuously observed on a daily basis, in order to achieve dense temporal coverage in optical wavelengths, and study the short time-scale flux variability. Several long-runs have been conducted, where the target is monitored for several hours during the night, aiming towards the IDV detection and characterization. In this presentation, the preliminary results of the frequency analysis are given, summarizing the achievements after the 5-year long operation of the BOSS Project, while the advantage of small, robotic and remotely controlled telescopes is highlighted.

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