

Activity monitoring telescope network in preparation of PLATO

Monday 17 April 2023 16:35 (15 minutes)

Main PLATO targets exhibit short- and long-term activity variability. Knowledge about a star's activity pattern, e.g., cycle length and amplitude, and the momentary status of activity within this pattern during PLATO observing campaigns, is fundamental for the correct interpretation of photometric variability, RV follow-up, and estimates of stellar age. Together with WP 145, we are planning observing campaigns with a telescope network to monitor CaII H&K emission of a large number of potential PLATO targets. Active participation of the German community is an opportunity to collect a relevant amount of information for the PLATO mission, and to initiate an efficient network of small telescopes.

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Session Classification: Contributed Talks (part 1)