

## **Przemysław Mikołajczyk - Beta Cephei stars from multi-source photometry**

*Wednesday, 12 June 2019 17:20 (20 minutes)*

In my presentation I will briefly outline possibilities of detecting new pulsation modes in Beta Cephei stars utilizing SMEI (Solar Mass Ejection Instrument) photometry.

Although reduction process of this kind of data is very complicated, it can be done quickly and efficiently and the final product are single band photometric measurements spanning over the period of over 8 years.

I will show some examples of data already prepared and decorrelated, focusing on B-type pulsators, but I will also present capabilities of such data for other spectral types of stars, including known binary systems, A- and F-type pulsators as well as long-term variables.

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