

**THE RESULTS OF METEOR OBSERVATIONS OF THE
TAURIDS SHOWER IN KHARKIV IN 2019-2020**

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We present the kinematic, physical and chemical characteristics of the meteoroid of the Southern Taurids meteor shower associated with the comet 2P/Encke. It was observed on November 21, 2019. The observations were carried out using the automatic video and spectral meteor patrol (AVSMP) of the Institute of Astronomy of V.N. Karazin Kharkiv National University. The analysis of the identified emission lines was carried out. The material composition of the investigated meteor body has been determined. The most intense lines in the meteor spectrum belong to FeI, MgI, NaI atoms which are characteristic of meteoroids of the Southern Taurids shower, and atmospheric NI, OI atoms and N₂ molecules. We used methods of the relative and absolute photometry of meteor spectra obtained by CMOS-sensors which are used in modern CCTV video cameras.