

The 3rd "Seminar on Star Formation and Astrochemistry in Toruń" (SFAT) - everyone is welcome!

Friday, May 17, 2019, Institute of Physics NCU Toruń, room no. 20

- 11:30 - 11:40 Introduction - Agata Karska / Maciej Koprowski (NCU Toruń)
- 11:40 - 12:10 *The discovery of a hot cocoon around an exploding supernova: the source of heavy elements*
Michał Michałowski (AMU Poznań)
- 12:10 - 12:40 *Qualitative insights from computational chemistry*
Katharina Boguslawski (NCU Toruń)
- 12:40 - 13:00 *Modeling SiS variability in IRC+10216*
Mirosław Schmidt (CAMK Toruń)
- 13:00 - 14:00 *Lunch break*
- 14:00 - 14:15 *Absolute intensities and photolytic behaviour of methyl mercaptan (HS-CH₃), ethyl mercaptan (HS-CH₂CH₃) and dimethyl sulfide (CH₃-S-CH₃) in solid Ar and in CO*
Joanna Zapła (University of Warsaw)
- 14:15 - 14:30 *Searching for new physics with molecular lattice clocks*
Mateusz Borkowski (NCU Toruń)
- 14:30 - 14:45 *Mid-Infrared Spectroscopy of Dark Cloud, DC 314.8-5.1*
Emily Kosmaczewski (UJ Kraków)
- 14:45 - 15:00 *Galaxy Main Sequence at $z \sim 1$ with VIPERS*
Mateusz Rałowski (UJ Kraków)
- 15:00 - 15:15 *Coffee break*
- 15:15 - 15:30 *Computational Astrochemistry: H₂O-H₂ Collisions*
Michał Żółtkowski (NCU Toruń)
- 15:30 - 15:45 *CMa I-224 star forming region with KMOS*
Dominika Itrich (NCU Toruń)
- 15:45 - 16:00 *Assessing the accuracy of simplified Coupled Cluster methods for electronic excited states in f₀ actinide compounds*
Artur Nowak (NCU Toruń)
- 16:00 - 16:15 *K-band continuum and emission-line maps of YSO candidates with Very Large Telescope in Chile*
Mateusz Zieliński (University of Warsaw)
- 16:15 - 16:30 *Detecting molecules with IRAM 30 submillimetre telescope*
Agnieszka Mirocha (UJ Kraków)
- 15:30 End of the official part of the meeting